

# DENON

Ver. 6

Please refer to the  
MODIFICATION NOTICE.

## SERVICE MANUAL

MODEL	JP	E3	E2	EK	EA	E1C	E1K	EUT
<b>AVR-1910</b>		✓	✓			✓		
<b>AVR-1620</b>							✓	
<b>AVR-1610</b>		✓	✓				✓	
<b>AVR-790</b>		✓				✓		
<b>AVR-590</b>		✓			✓			

### AV SURROUND RECEIVER

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

• Please use this service manual with referring to the operating instructions without fail.

• Some illustrations using in this service manual are slightly different from the actual set.

# DENON

D&M Holdings Inc.

## SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

### LEAKAGE CURRENT CHECK

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

#### **CAUTION Please heed the points listed below during servicing and inspection.**

##### ○ Heed the cautions!

Spots requiring particular attention when servicing, such as the cabinet, parts, chassis, etc., have cautions indicated on labels or seals. Be sure to heed these cautions and the cautions indicated in the handling instructions.

##### ○ Caution concerning electric shock!

- (1) An AC voltage is impressed on this set, so touching internal metal parts when the set is energized could cause electric shock. Take care to avoid electric shock, by for example using an isolating transformer and gloves when servicing while the set is energized, unplugging the power cord when replacing parts, etc.
- (2) There are high voltage parts inside. Handle with extra care when the set is energized.

##### ○ Caution concerning disassembly and assembly!

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

##### ○ Only use designated parts!

The set's parts have specific safety properties (fire resistance, voltage resistance, etc.). For replacement parts, be sure to use parts which have the same properties. In particular, for the important safety parts that are marked  $\triangle$  on wiring diagrams and parts lists, be sure to use the designated parts.

##### ○ Be sure to mount parts and arrange the wires as they were originally!

For safety reasons, some parts use tape, 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 inside and clamps are used to keep wires away from heating and high voltage parts, so be sure to set everything back as it was originally.

##### ○ Inspect for safety after servicing!

Check that all screws, parts and wires removed or disconnected for servicing have been put back in their original positions, inspect that no parts around the area that has been serviced have been negatively affected, conduct 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 turn the power switch on. Using a 500V insulation resistance tester, check that the insulation resistance between the terminals of the power plug and the externally exposed metal parts (antenna terminal, headphones terminal, microphone terminal, input terminal, etc.) is  $1M\Omega$  or greater. If it is less, the set must be inspected and repaired.

#### **CAUTION Concerning important safety parts**

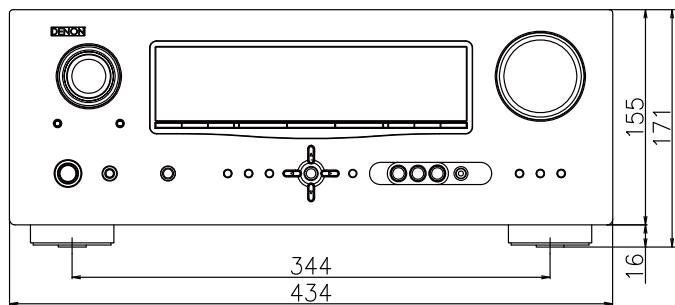
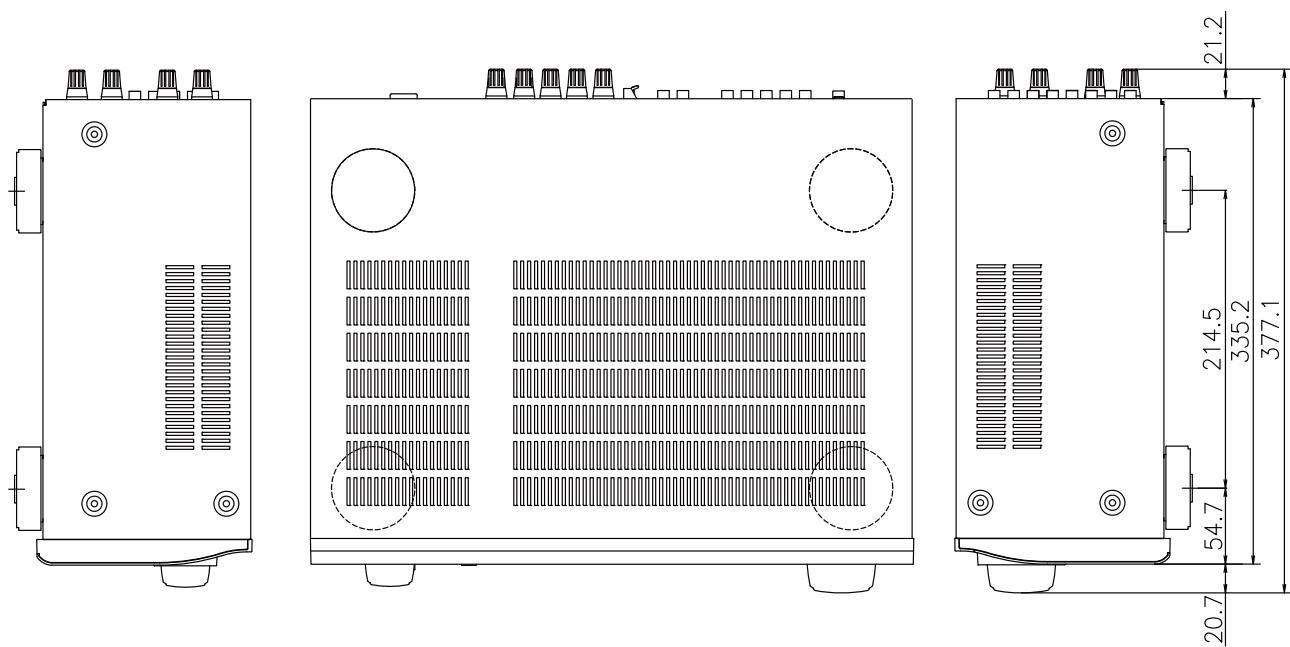
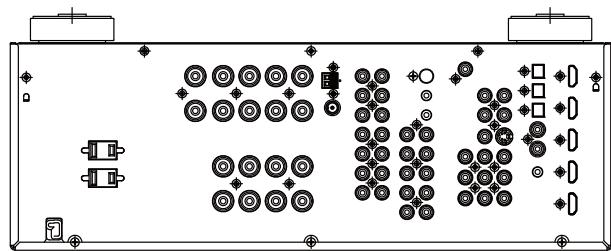
Many of the electric and structural parts used in the set have special safety properties. In most cases these properties are difficult to distinguish by sight, and using replacement parts with higher ratings (rated power and withstand voltage) does not necessarily guarantee that safety performance will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

(1) Schematic diagrams ... Indicated by the  $\triangle$  mark.

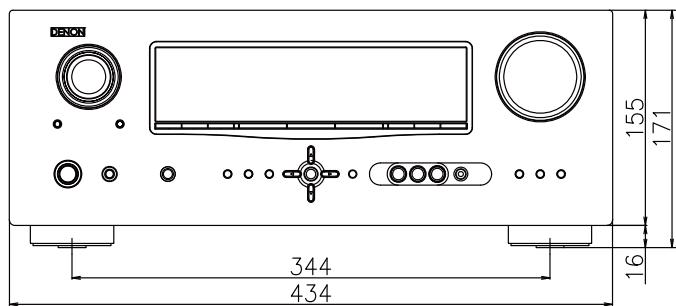
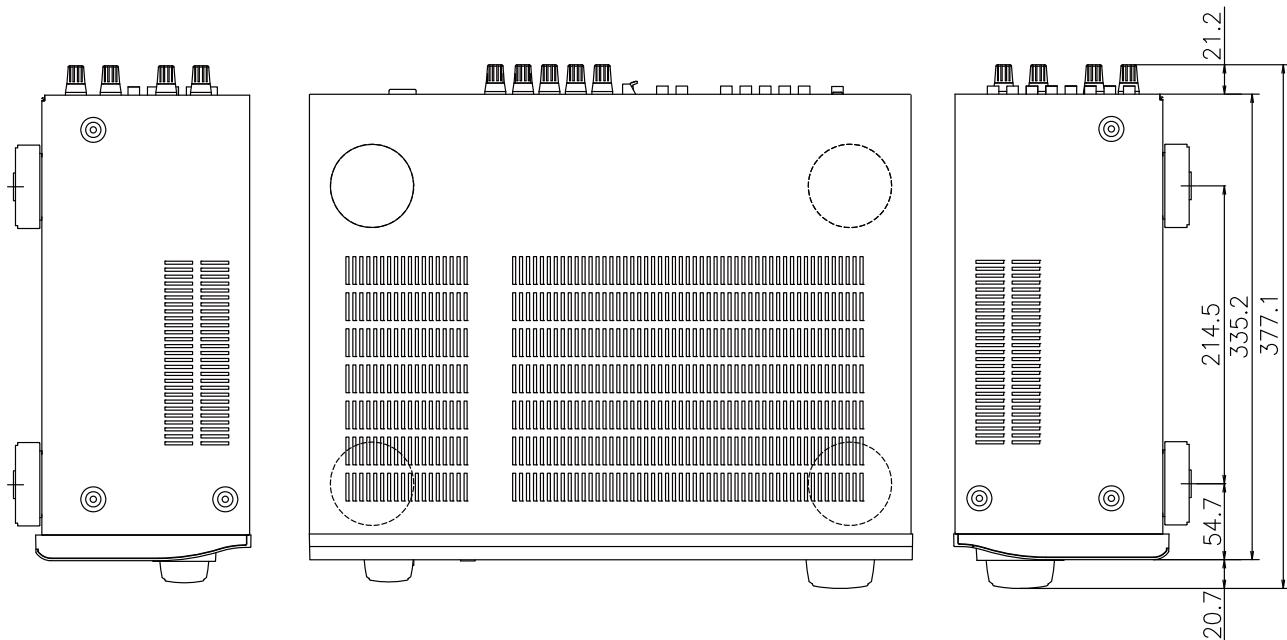
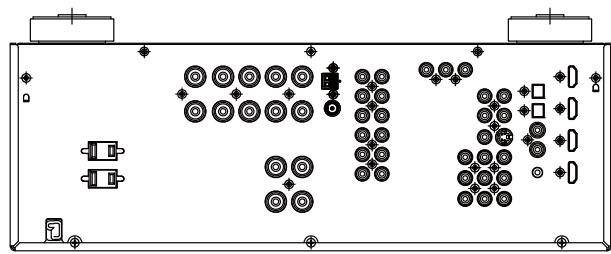
(2) Parts lists ... Indicated by the  $\triangle$  mark.

Using parts other than the designated parts could result in electric shock, fires or other dangerous situations.

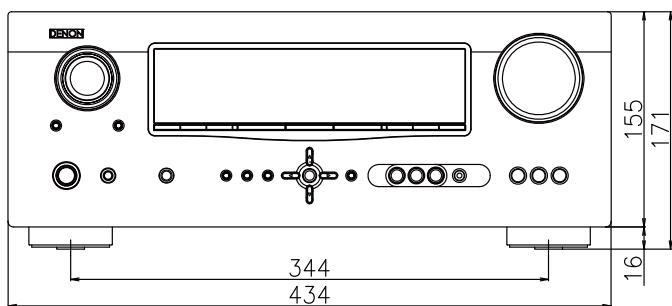
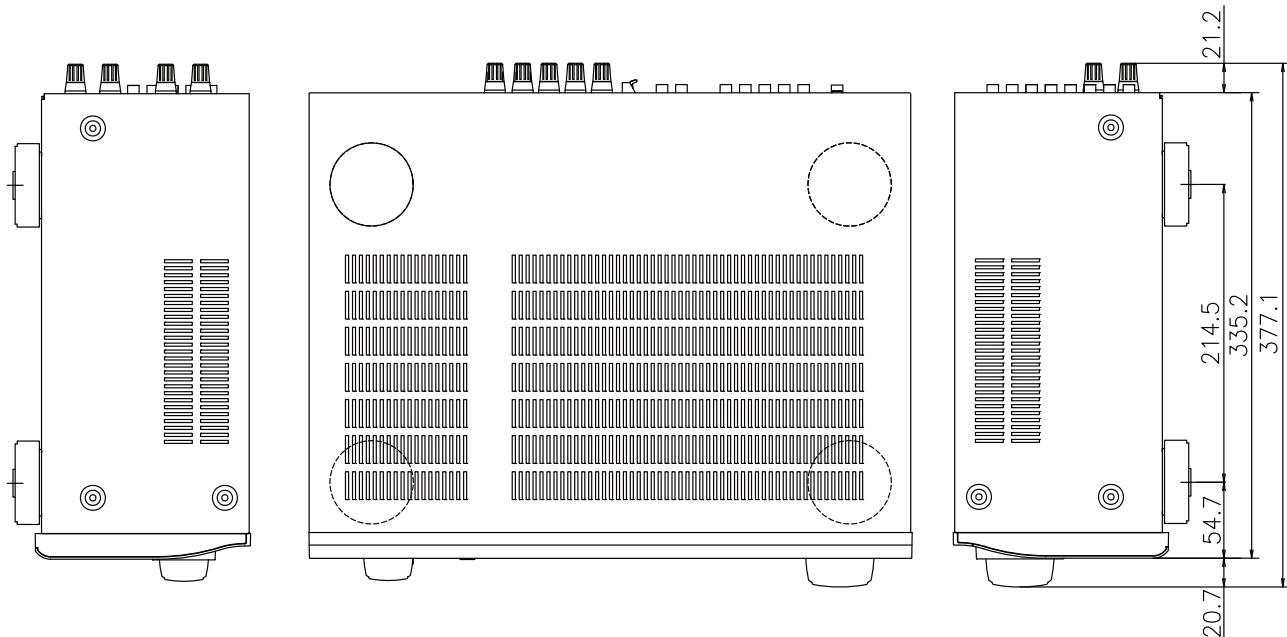
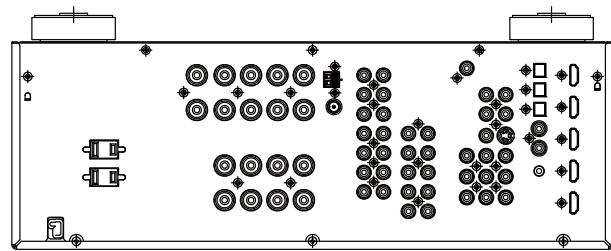
**DIMENSION**  
**AVR-1910 model**



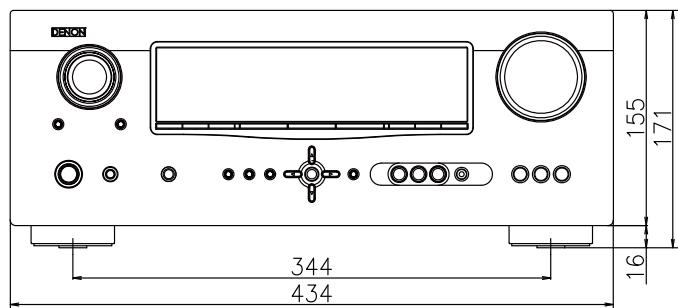
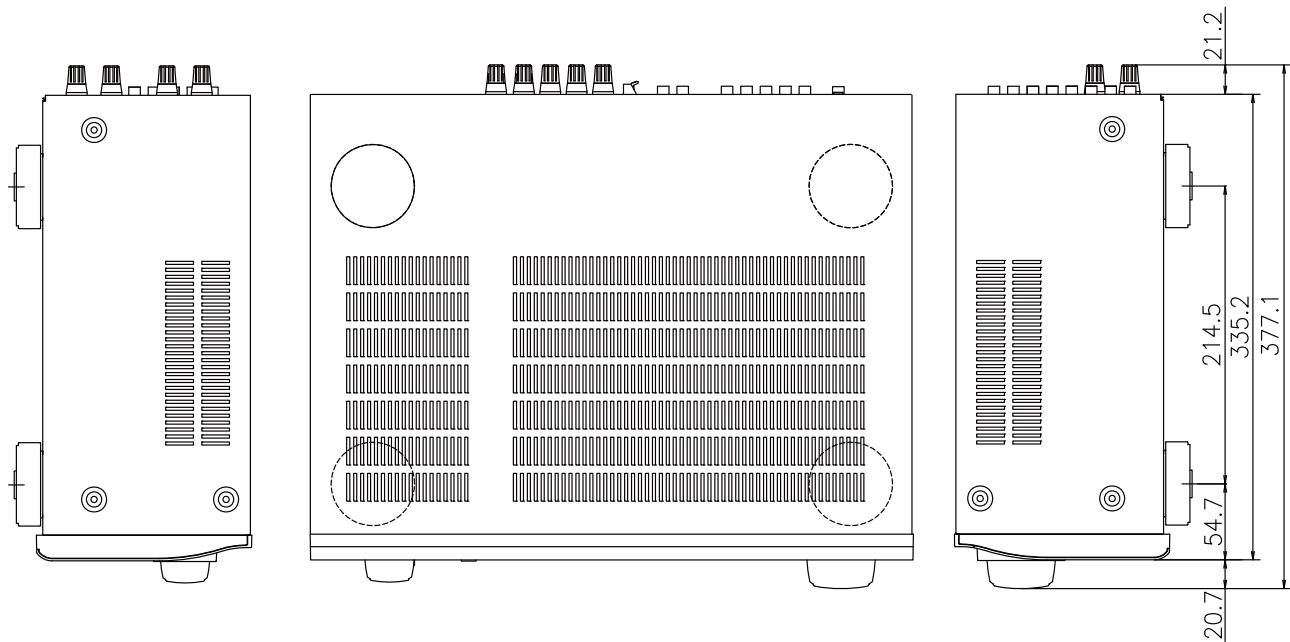
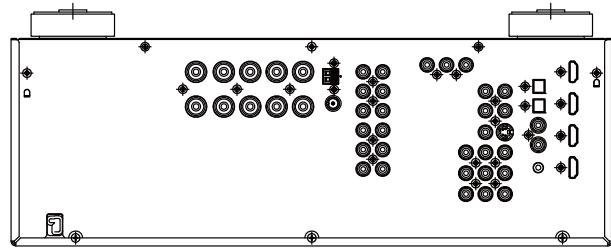
## AVR-1610/1620 model



## AVR-790 model



## AVR-590 model

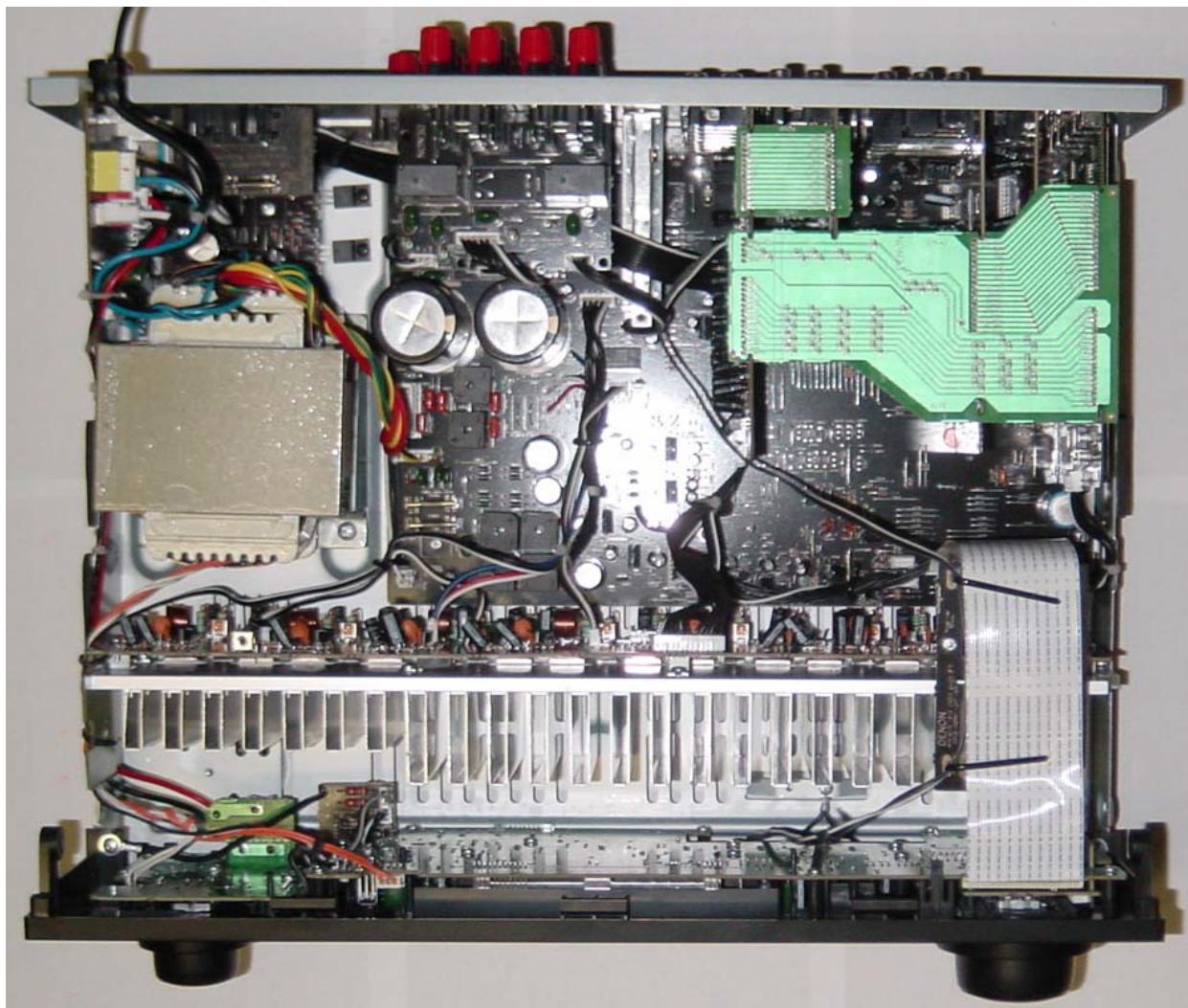


## WIRE ARRANGEMENT

If wire bundles are untied or moved to perform adjustment or parts replacement 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.

Wire arrangement viewed from the top

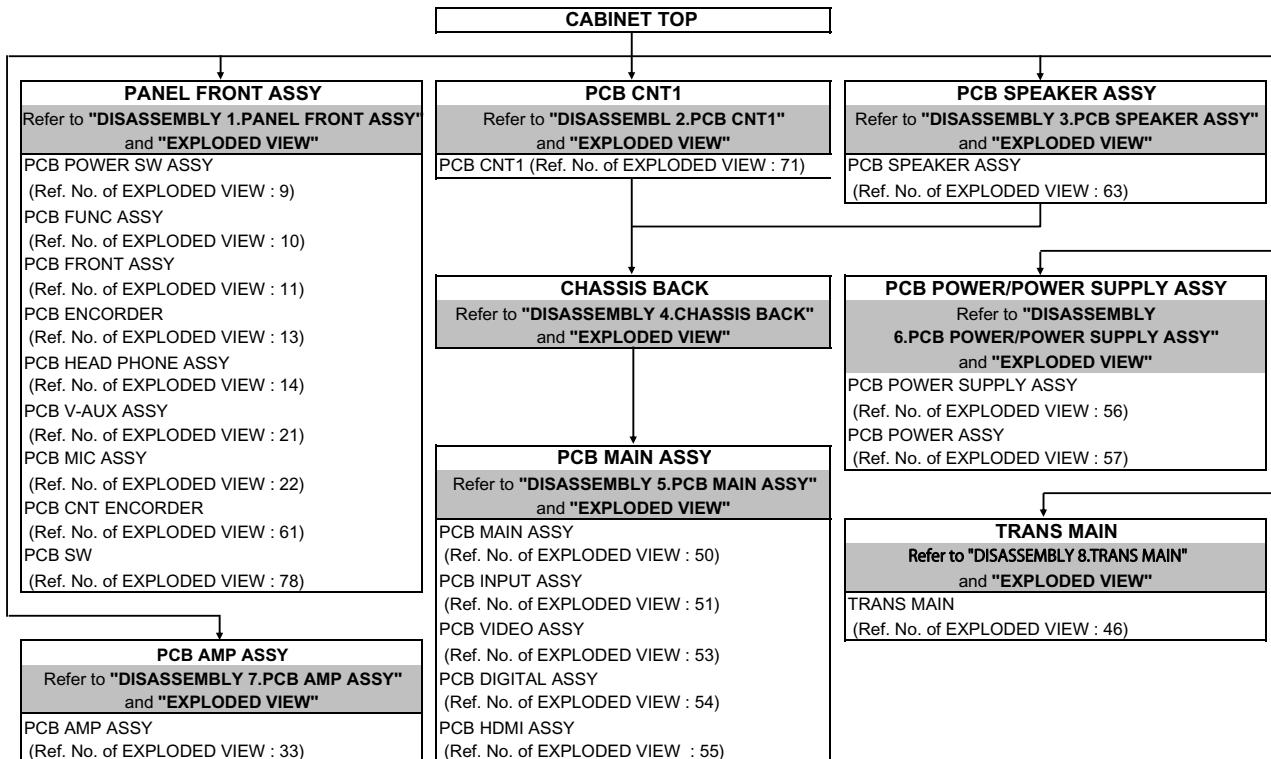
Back Panel side



Front Panel side

## DISASSEMBLY

- Disassemble in order of the arrow of the figure of following flow.
- In the case of the re-assembling, assemble it in order of the reverse of the following flow.
- In the case of the re-assembling, observe "attention of assembling" it.



### About the photos used for descriptions in the “DISASSEMBLY” section.

- The direction from which the photographs used herein were photographed is indicated at "Direction of photograph: \*\*\*\*" at the left of the respective photographs.
- Refer to the table below for a description of the direction in which the photos were taken.
- Photographs for which no direction is indicated were taken from above the product.
- The photograph is AVR-1910.

**The viewpoint of each photograph  
(Photography direction)**

[View from above]

Direction of photograph: B



Direction of photograph: C →



Front side  
↑

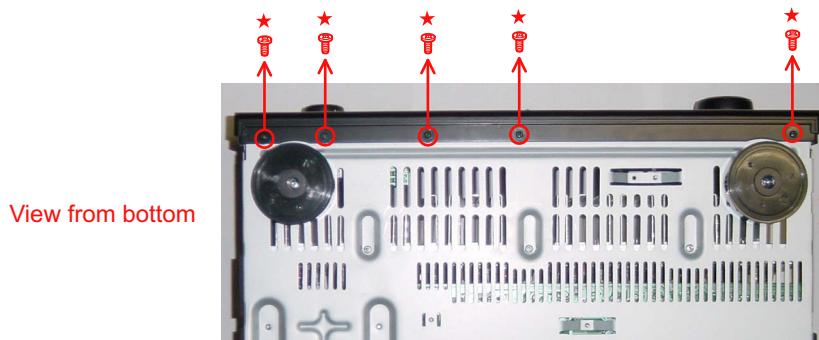
← Direction of photograph: D

↑  
Direction of photograph: A

## 1. PANEL FRONT ASSY

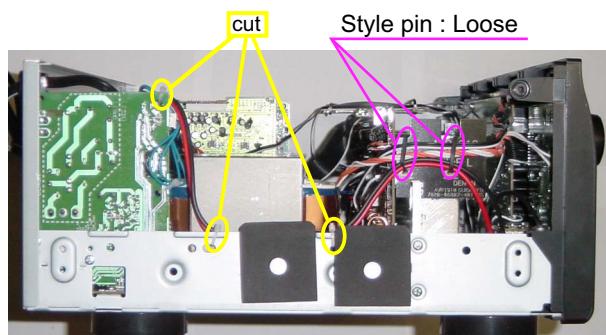
Proceeding : **CABINET TOP** → **PANEL FRONT ASSY**

- (1) Remove the screws.

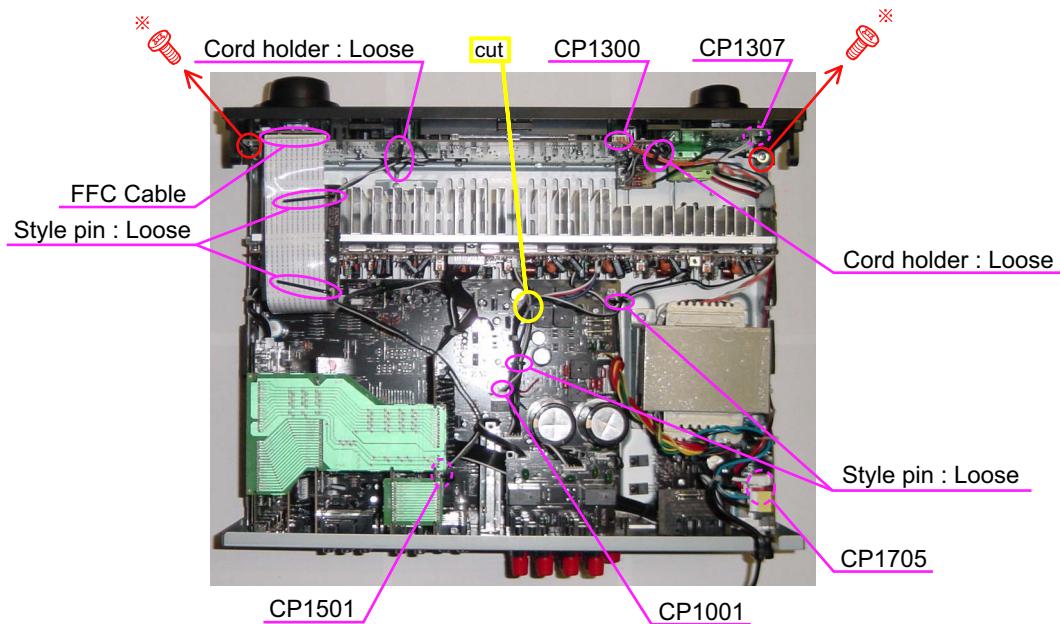


- (2) Cut the wire clamp band, and loose the style pin.

Direction of photograph: D



- (3) Cut the wire clamp band, then loose the style pin and Cord holder. Disconnect the connector wire and FFC Cable.

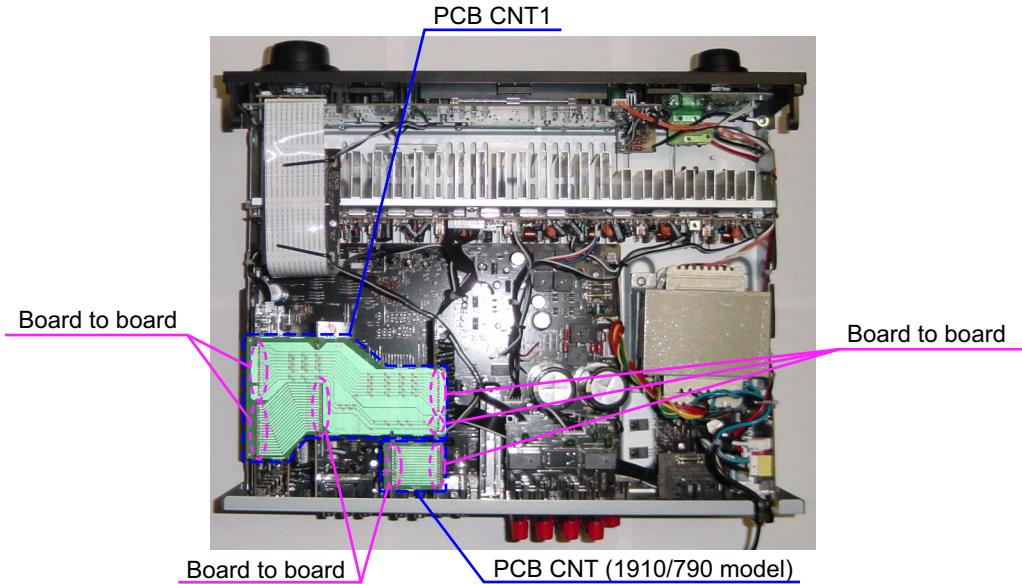


Please refer to "EXPLODED VIEW" for the disassembly method of each P.W.B included in PANEL FRONT ASSY.

## 2. PCB CNT1

Proceeding : **CABINET TOP** → **PCB CNT1**

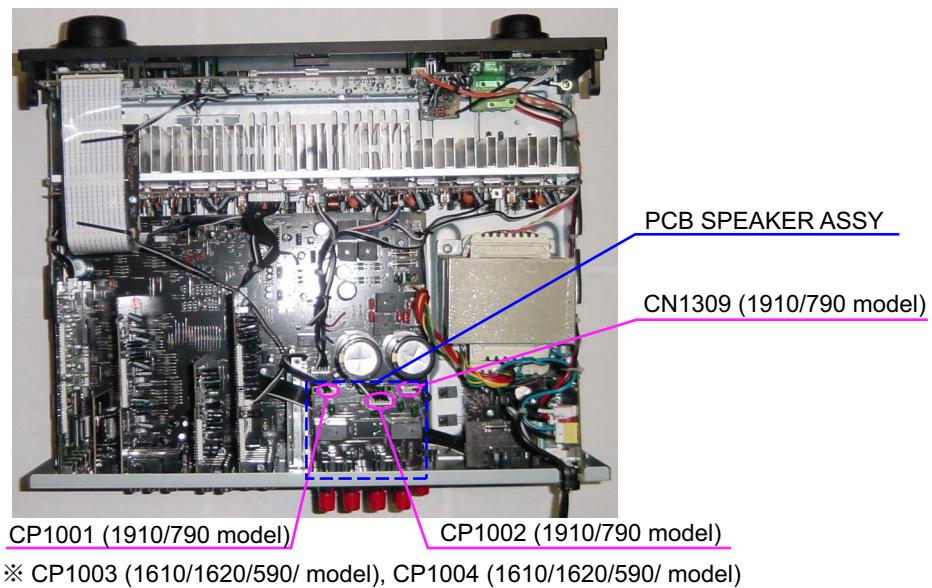
- (1) Disconnect the connector board.



## 3. PCB SPEAKER ASSY

Proceeding : **CABINET TOP** → **PCB SPEAKER ASSY**

- (1) Disconnect the connector wires.



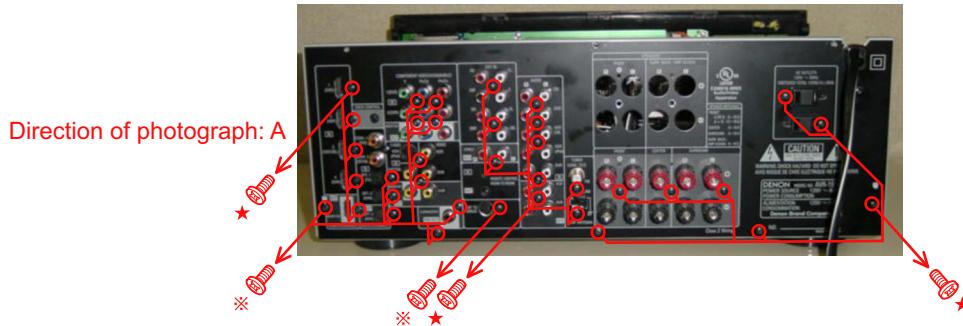
- (2) Remove the screws.



## 4. CHASSIS BACK

Proceeding : **CABINET TOP** → **PCB SPEAKER ASSY** → **CHASSIS BACK**

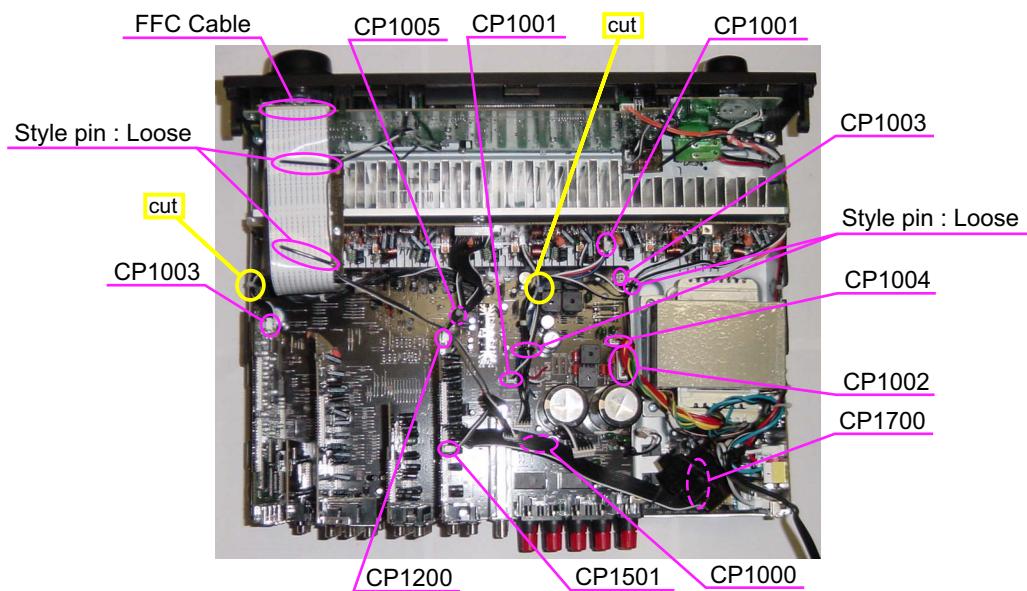
- (1) Remove the screws.



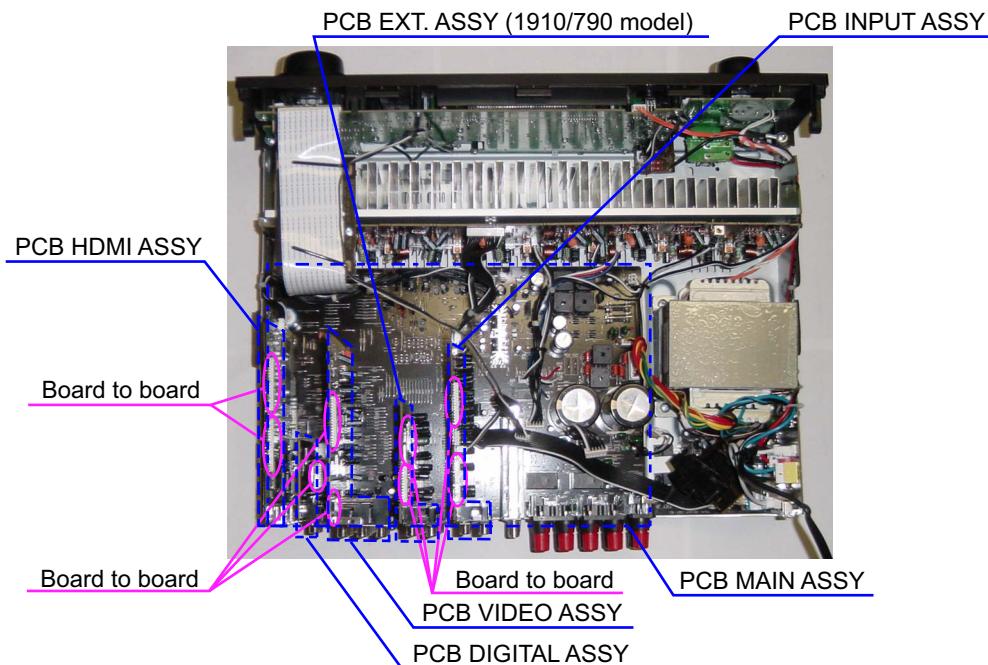
## 5. PCB MAIN ASSY

Proceeding : **CABINET TOP** → **PCB SPEAKER ASSY** → **CHASSIS BACK**  
→ **PCB MAIN ASSY**

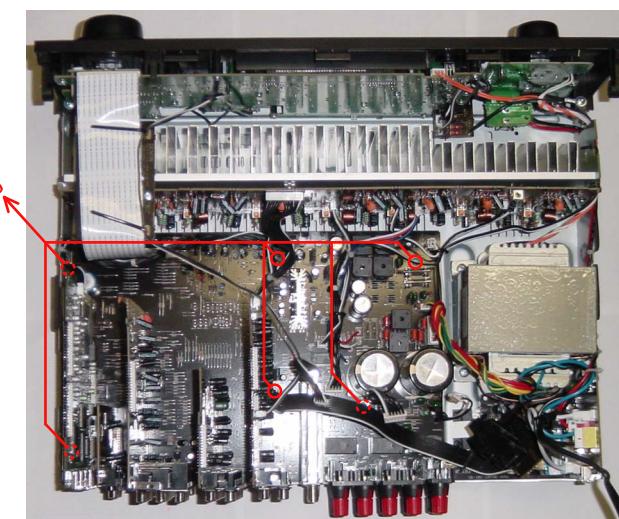
- (1) Cut the wire clamp band, then loose the style pin and Cord holder. Disconnect the connector wire and FFC Cable.



(1) Disconnect the connector board.



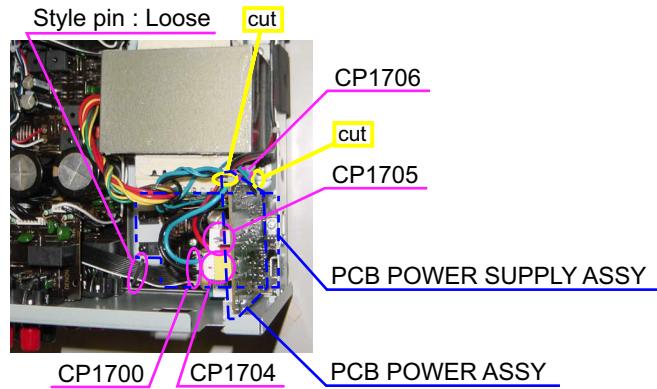
(2) Remove the screws.



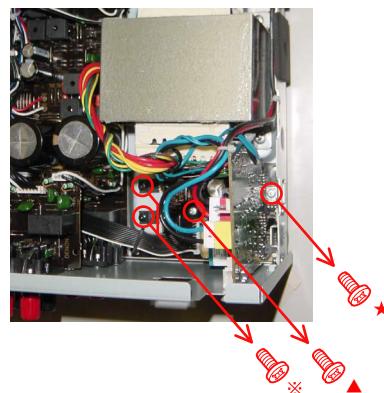
## 6. PCB POWER/POWER SUPPLY ASSY

Proceeding : **CABINET TOP** → **PCB POWER/POWER SUPPLY ASSY**

- (1) Cut the wire clamp band, then loose the style pin and Cord holder. Disconnect the connector wire.



- (2) Remove the screws.

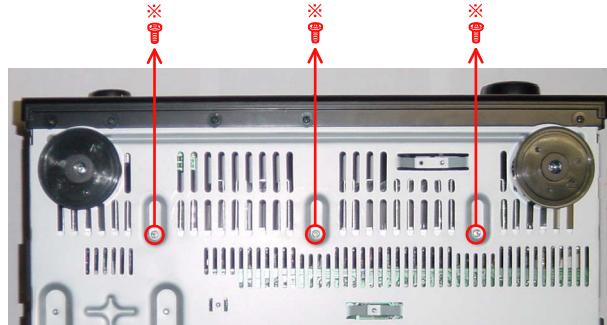


## 7. PCB AMP ASSY

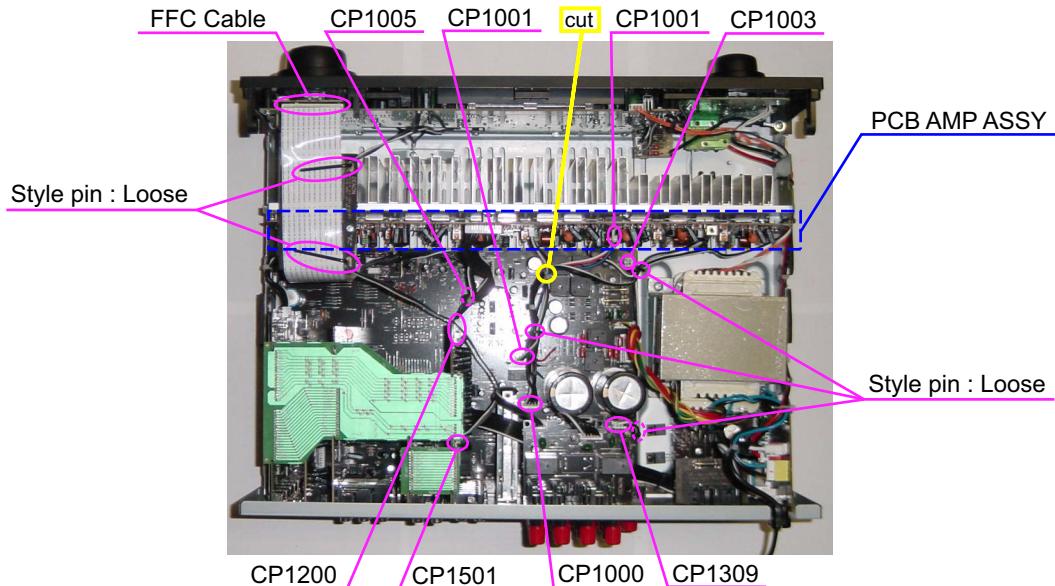
Proceeding : **CABINET TOP** → **PCB AMP ASSY**

- (1) Remove the screws.

View from bottom

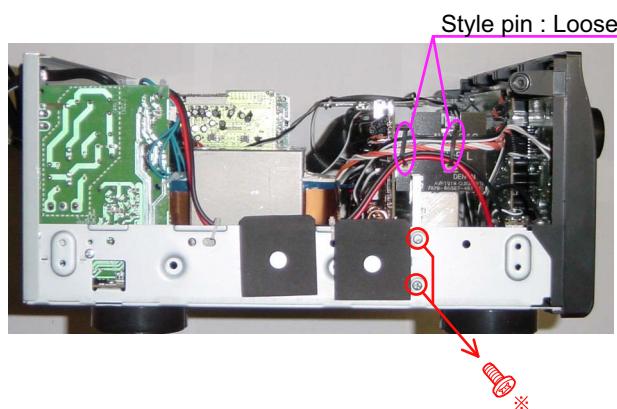


- (2) Cut the wire clamp band, then loose the style pin and Cord holder. Disconnect the connector wire.

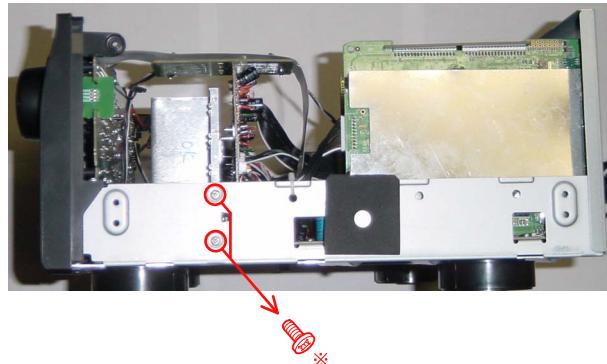


- (3) Loose the style pin, then remove the screws.

Direction of photograph: D



Direction of photograph: C

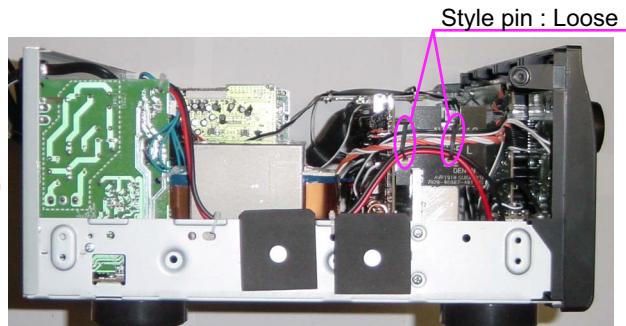


## 8. TRANS MAIN

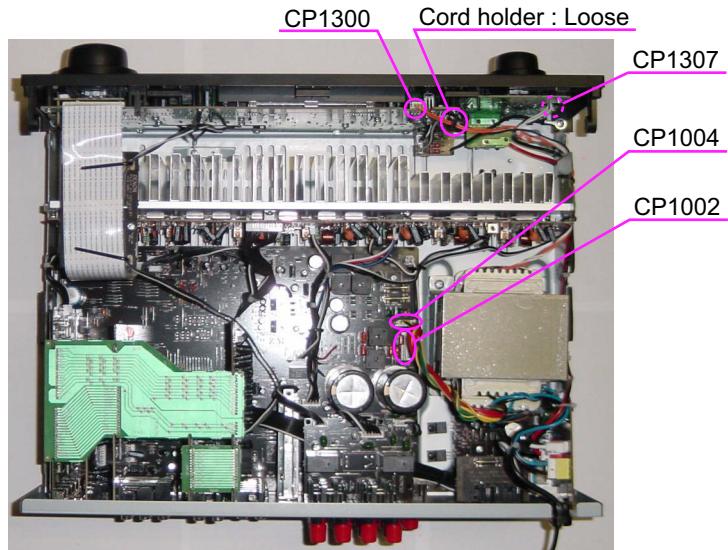
Proceeding : **CABINET TOP** → **TRANS MAIN**

- (1) Loose the style pin.

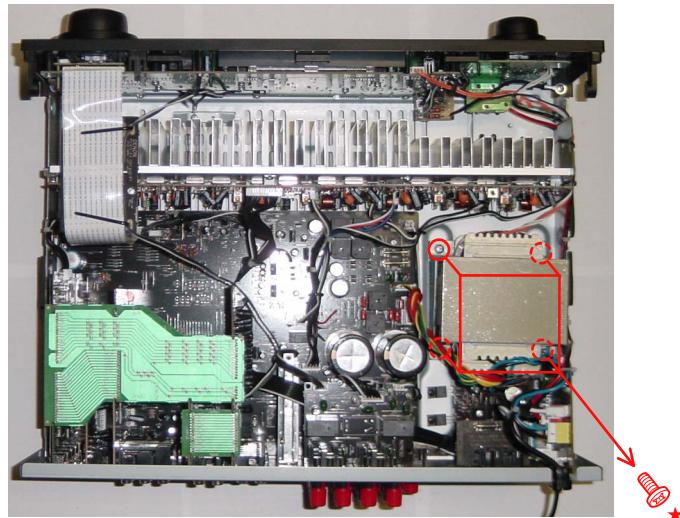
Direction of photograph: D



- (2) Loose the Cord holder, then disconnect the connector wire.



- (3) Remove the screws.



## CAUTION IN SERVICING

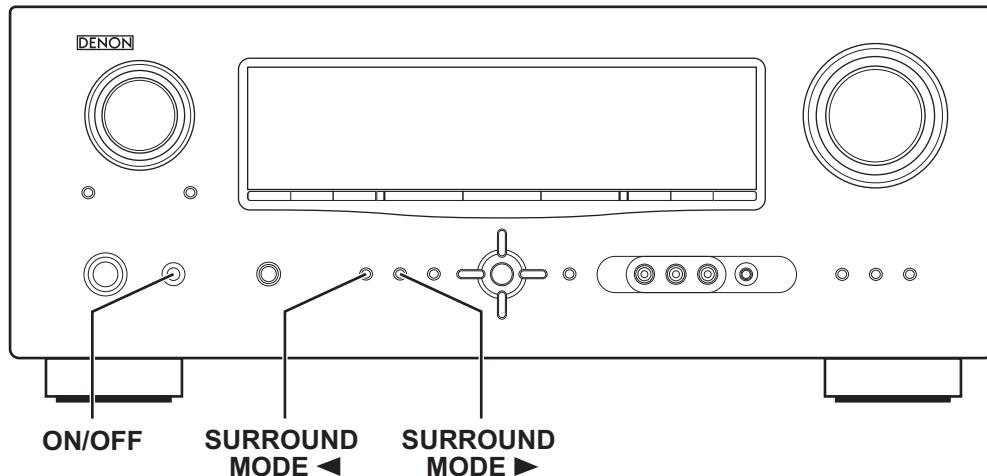
### Initializing AV SURROUND RECEIVER

AV SURROUND RECEIVER initialization should be performed when the µcom, peripheral parts of µcom, and Digital P.W.B. are replaced.

1. Switch off the unit.
2. With the "SURROUND MODE ▲" and "SURROUND MODE ▼" buttons pressed, press the "ON/OFF" button to turn the power on.
3. Check that the entire display is flashing with an interval of about 1 second, and release your fingers from the 2 buttons and the microprocessor will be initialized.

**Note:** • If step 3 does not work, start over from step 1.

• All user settings will be lost and this factory setting will be recovered when this initialization mode.  
So make sure to memorize your setting for restoring after the initialization.



### JIG to use for servicing

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

00D SPK- 561 EXTENSION UNIT KIT : 1 Set  
00D SPK- 562 9120 CONN. JOINT KIT : 1 Set

When you update the firmware, you can use the following JIG (RS232C to internal connector conversion adapter with 8P cable kit ). Please order to Denon Official Service Distributor in your region if necessary.

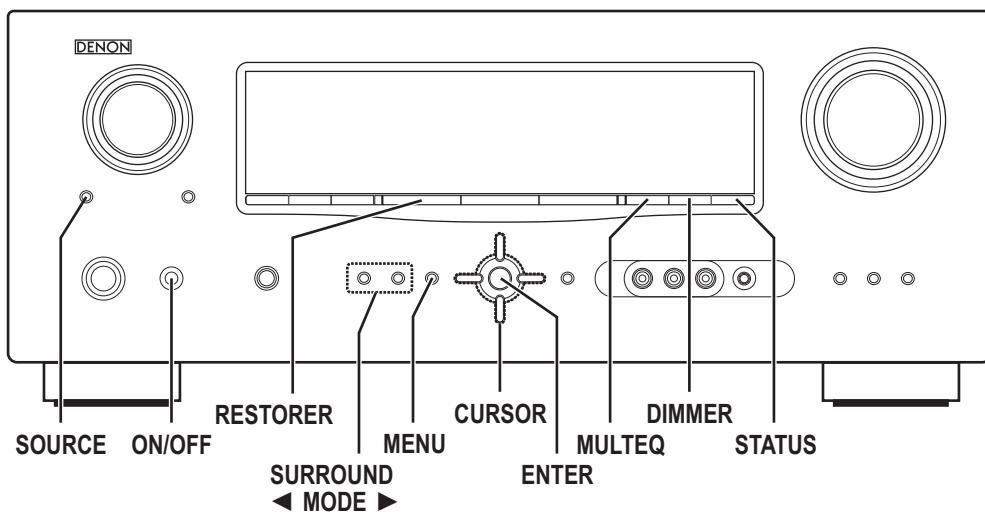
00DSPK-581 WRITING UNIT : 1 Set

## SPECIAL MODE ▲

### Special mode setting button

※ Press the ON/OFF button to turn on while pressing both buttons A and B at the same time.

Mode	Button A	Button B	Contents
μcom/DSP Version display mode	STATUS	DIMMER	Serial No. and firmware versions such as Main, Sub, DSP are displayed in the FL manager. Errors are displayed when they occur. (Refer to 18 page.)
Errors checking mode (Displaying the protection history)	STATUS	MULT EQ	Displaying the protection history (Refer to 19 page.)
Initialization mode	SURROUND MODE◀	SURROUND MODE▶	Backup data initialization is carried out. (Refer to 16 page.)
Mode for switching tuner frequency step	SOURCE	- (non)	--E2 model only--- Select with the SOURCE ▲▼ button. Change tuner frequency step to AM9k/FM50kHz STEP or AM:10k/ FM:200kHz.
Mode for preventing remote control acceptance	CURSOR ◀	RESTORER	Operations using remote control are rejected. (Mode cancellation: Turn off power and execute the same button operations as when performing setup.)
Panel lock mode	SURROUND MODE◀	RESTORER	Operations using main unit panel buttons or master volume are rejected.
Panel lock mode (Remove Master volume)	SURROUND MODE▶	RESTORER	Operations using main unit panel buttons are rejected.
Cancellation of panel lock mode	MENU	RESTORER	Panel lock mode is cancelled.



## 1. μcom/DSP Version display mode

### 1.1. Operation specifications

#### μcom/DSP version display mode:

When started up, the version information is displayed.

#### Starting up:

With the "DIMMER" and "STATUS" buttons pressed, press the "ON/OFF" button to turn the power on.  
Now, press the "STATUS" button to display the 2nd item information on the FL Display.

### 1.2. Display Order

Destination information → Main-μcom version information → Sub-μcom version information → DSP version information  
→ APLD version information

### 1.3. Error display

See the following table for each "Error information" display and its contents (status).

Display order is ①②③④ .

Condition	State	Display
① Sub-μcom NG	No response from Sub-μcom	"□ S U B □ □ E R R O R □ 0 1 □ □"
② DIR NG	No response from DIR	"□ D I R □ □ E R R O R □ 0 1 □ □"
③ DSP NG	When DSP boot, executing DSP reset makes no change to DSP FLAG0 port "H".	"□ D S P □ □ E R R O R □ 0 1 □ □"
	No change to DSP FLAG0 port "H" before issuing DSP command.	"□ D S P □ □ E R R O R □ 0 2 □ □"
	When DSP data read, executing WRITE="L" makes no change to ACK="H".	"□ D S P □ □ E R R O R □ 0 3 □ □"
	When DSP data read, executing REQ="L" makes no change to ACK="L".	"□ D S P □ □ E R R O R □ 0 4 □ □"
	When DSP data write, executing WRITE="H" makes no change to ACK="H".	"□ D S P □ □ E R R O R □ 0 5 □ □"
	When DSP data write, executing REQ="L" makes no change to ACK="L".	"□ D S P □ □ E R R O R □ 0 6 □ □"
	When DSP special code boot, executing DSP reset makes no change to DSP FLAG0 port "H".	"□ D S P □ □ E R R O R □ 1 1 □ □"
	No change to DSP FLAG0 port "H" before issuing DSP special read command.	"□ D S P □ □ E R R O R □ 1 2 □ □"
	No change to DSP FLAG0 port "H" before DSP version read.	"□ D S P □ □ E R R O R □ 1 3 □ □"
④ Both SUB/DSP OK		(No error display, version display only)

## 2. Errors checking mode (Displaying the protection history)

### 2.1. Operation specifications

#### Error mode (Displaying the protection history):

When started up, the error information is displayed.

#### Starting up:

##### ● All model commonness

With the "STATUS" and "MULTEQ" buttons pressed, press the "ON/OFF" button to turn the power on. The error (protection history display) mode is set.

Now, press the "STATUS" button to turn on the FL display.

### 2.2. About the display on the FL display

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

- (1) Normally (when there has been no protection incident)

FLD		N	O		P	R	O	T	E	C	T						
-----	--	---	---	--	---	---	---	---	---	---	---	--	--	--	--	--	--

- (2) For ASO/DC (when the last protection incident was ASO or DC protection)

FLD		P	R	T	:	A	S	O	/	D	C						
-----	--	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--

- (3) For THERMAL (when the last protection incident was THERMAL protection)

FLD		P	R	T	:	T	H	E	R	M	A	L					
-----	--	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

When the "STATUS" button is pressed again after the above protection history is displayed, the normal display reappears.

### 2.3. Clearing the protection history

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

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

FLD		:	T	H	E	R	M	A	L	T	H	E					
-----	--	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

↓  
Press and hold in the "ENTER" button for 3 seconds

FLD		P	R	T	:	C	L	E	A	R							
-----	--	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--

↓  
The above is displayed and the protection history is cleared.

FLD		N	O		P	R	O	T	E	C	T						
-----	--	---	---	--	---	---	---	---	---	---	---	--	--	--	--	--	--

- (2) Initialize.

※ If you want to save a backup, use the method in 3.(1) above.

### Warning indication by the POWER LED

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

- (1) ASO/DC PROTECTION : Flashes in cycles of 0.5 seconds (0.25 seconds lit, 0.25 seconds off)

- (2) THERMAL PROTECTION : Flashes in cycles of 2 seconds (1 second lit, 1 second off)

# ADJUSTMENT

## Audio Section

### Idling Current

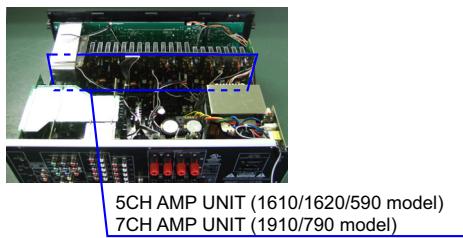
Required measurement equipment: DC Voltmeter

#### 1. Preparation

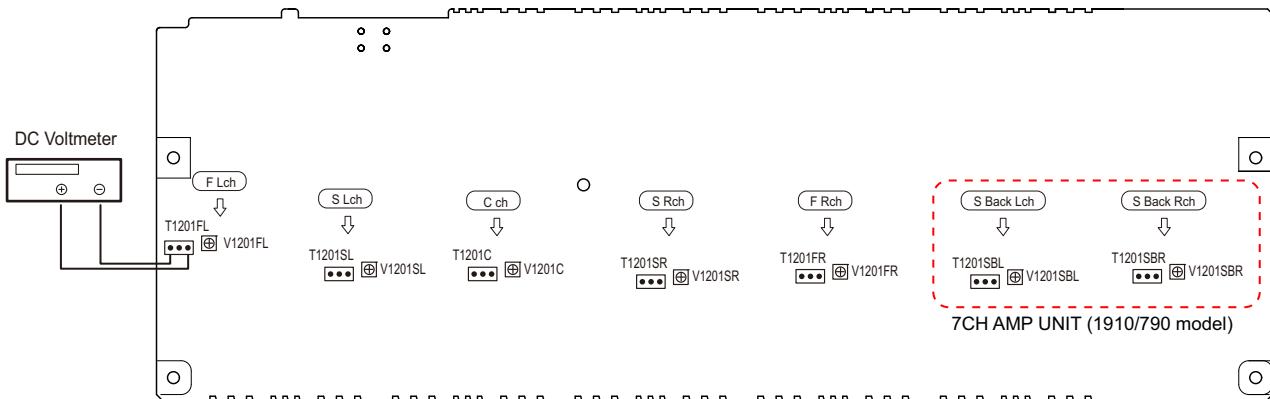
- (1) Avoid direct blow from an air conditioner or an electric fan, and adjust the unit at normal room temperature 15 °C ~ 30 °C (59 °F ~ 86 °F).
- (2) Presetting
  - POWER (Power source switch) OFF
  - SPEAKER (Speaker terminal) No load  
(Do not connect speaker, dummy resistor, etc.)

#### 2. Adjustment

- (1) Remove top cover and set VR1201 FL, FR, C, SL, SR, SBL, SBR on 7CH AMP UNIT at fully counterclockwise (○) position(1910/790 model).
- (1') Remove top cover and set VR1201 FL, FR, C, SL, SR on 5CH AMP UNIT at fully counterclockwise (○) position(1610/1620/590 model).
- (2) Connect DC Voltmeter to test points (FRONT-Lch: TP1201, FRONT-Rch: TP1205, CENTER ch: TP1203, SURROUND-Lch: TP1202, SURROUND-Rch: TP1204, SURROUND-BACK Lch: TP1207(1910/790 model), SURROUND-BACK Rch: TP1206 (1910/790 model)).
- (3) Connect power cord to AC Line, and turn power switch "ON".
- (4) Presetting.  
MASTER VOLUME : "—" counterclockwise (○ min.)  
SPEAKER (Speaker terminal) : No load  
(Do not connect speaker, dummy resistor, etc.)  
MODE : 7CH STEREO (5CH STEREO)  
FUNCTION : CD
- (5) Within 2 minutes after the power on, turn VR1201 clockwise (○) to adjust the TEST POINT voltage to 1.5 mV ± 0.5 mV DC.
- (6) After 10 minutes from the preset above, turn VR1201 to set the voltage to 2.0 mV ± 0.5 mV DC.
- (7) Adjust the Variable Resistors of other channels in the same way.



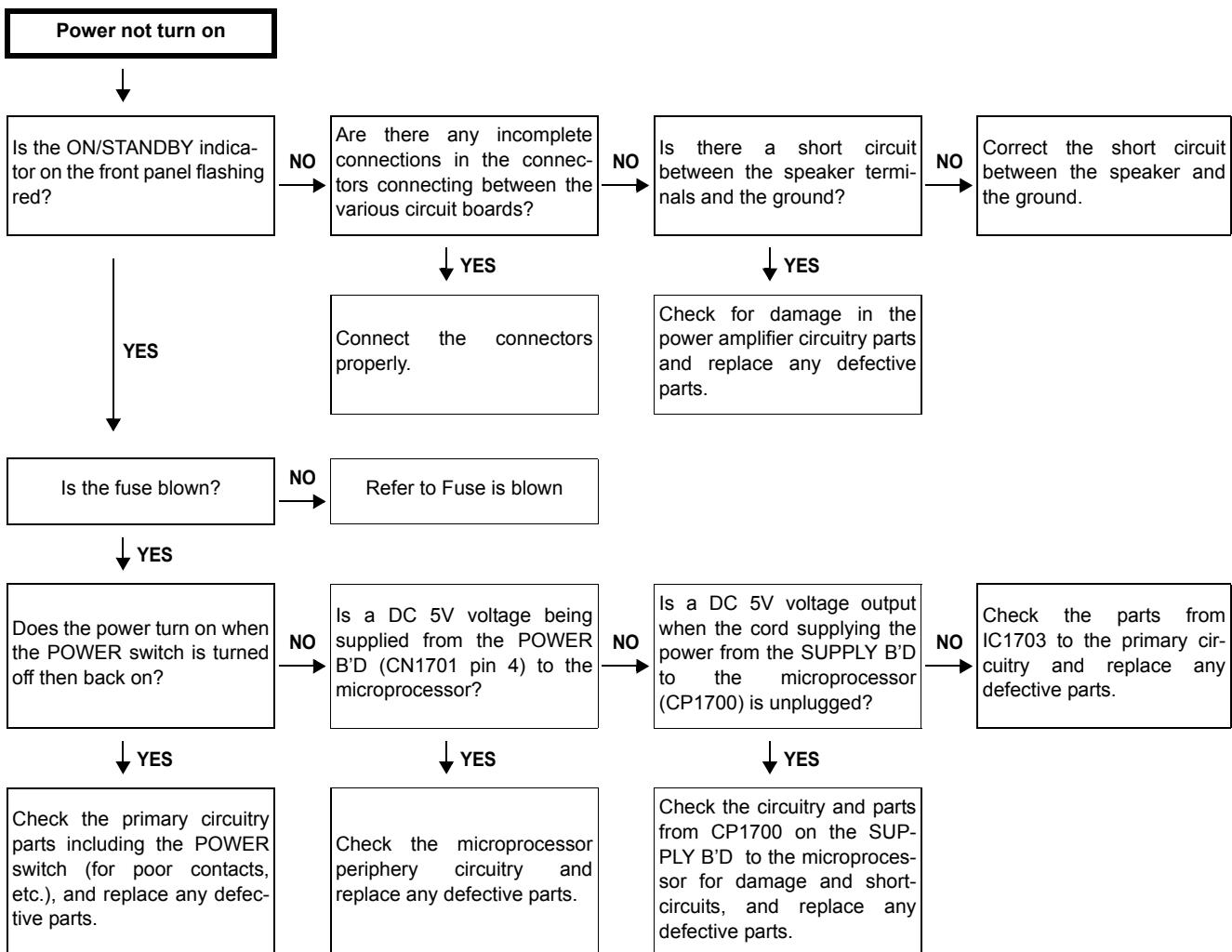
5CH AMP UNIT (1610/1620/590 model)  
7CH AMP UNIT (1910/790 model)



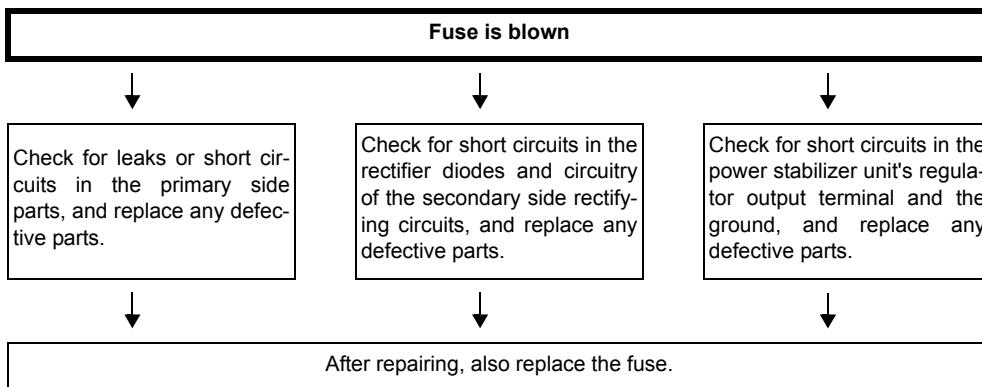
# TROUBLE SHOOTING

## 1. POWER

### 1.1. Power not turn on



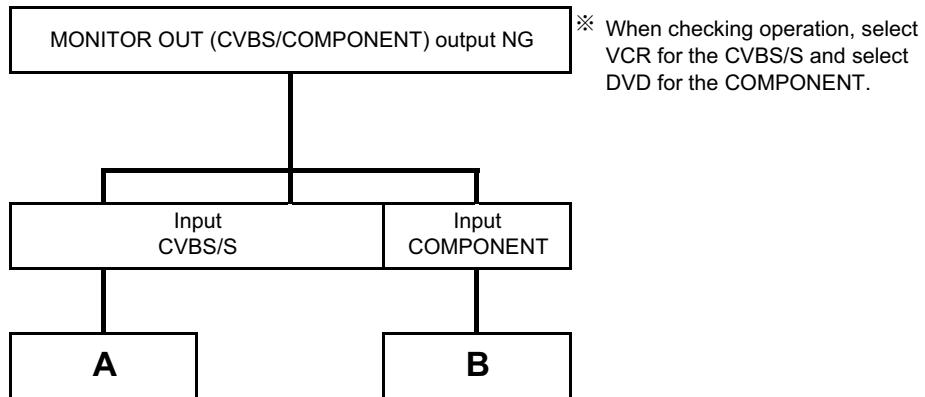
### 1.2. Fuse is blown



## 2. Analog video

### 2.1. MONITOR OUT (CVBS/COMPONENT) output NG

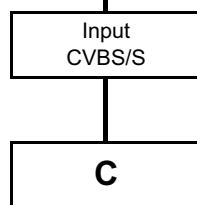
DVR MONITOR OUT (CVBS) output NG

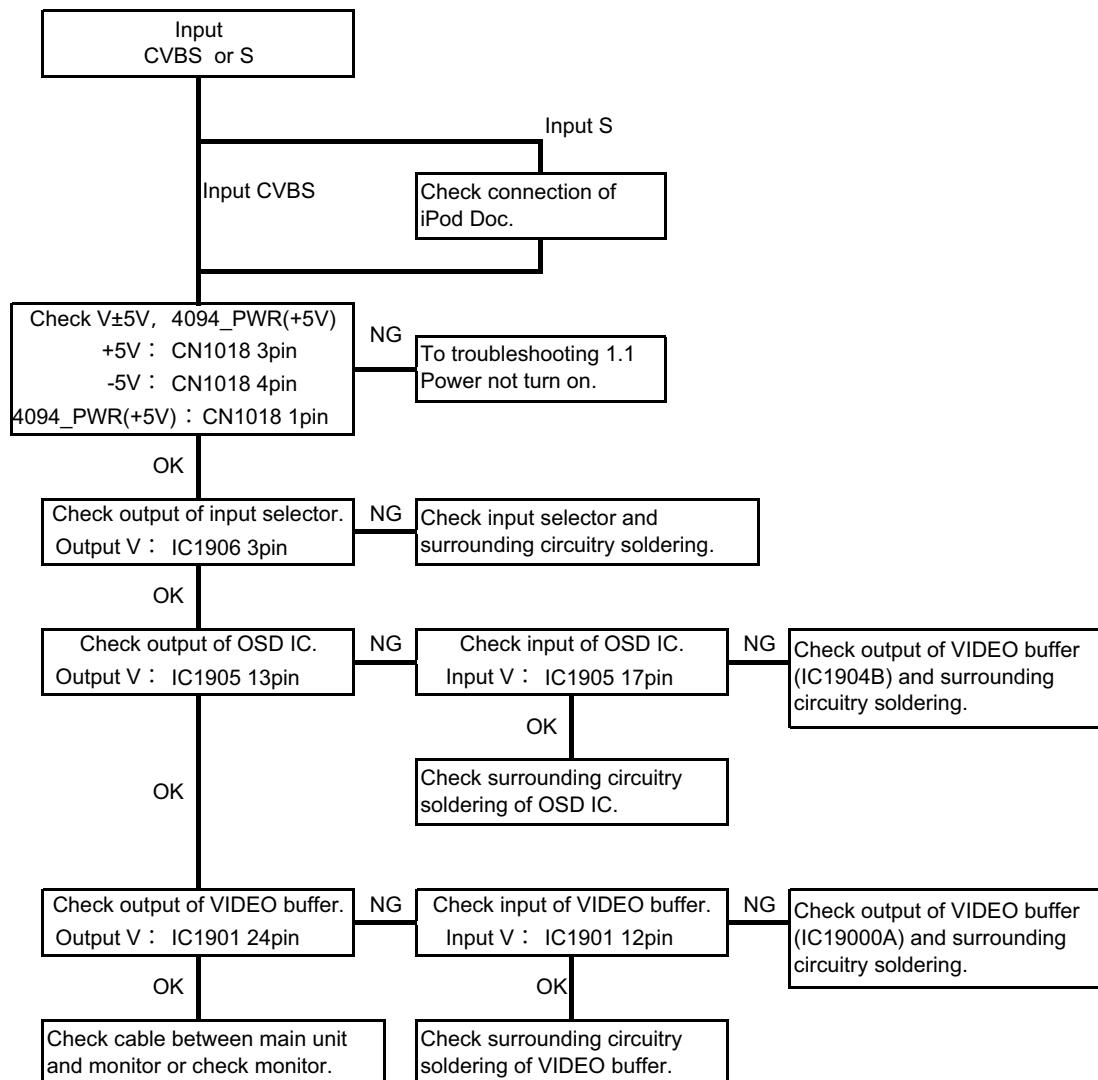
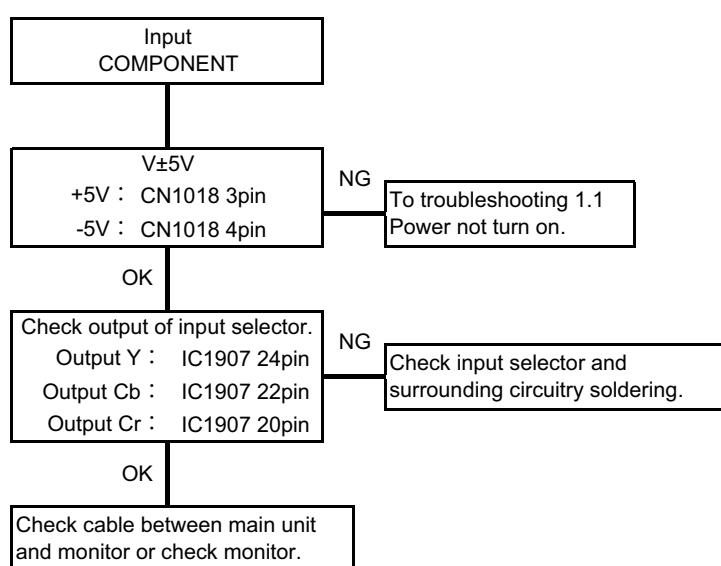


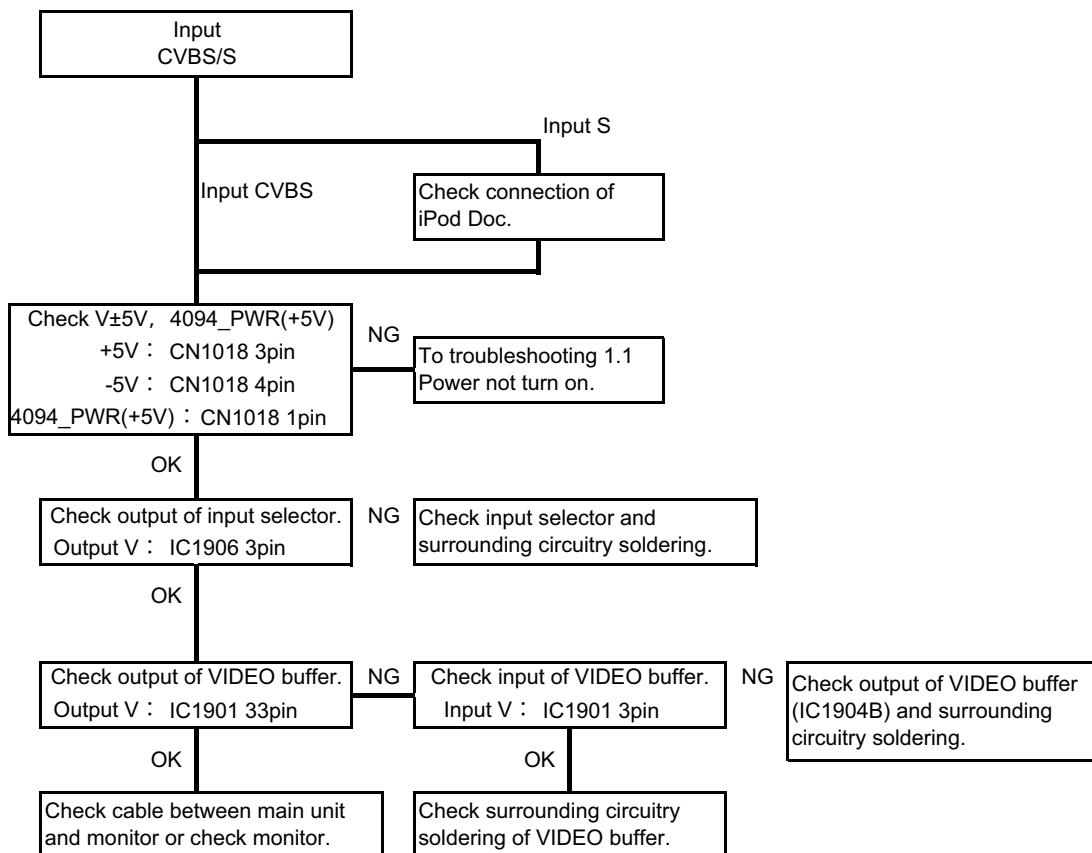
※ When checking operation, select VCR for the CVBS/S and select DVD for the COMPONENT.

### DVR MONITOR OUT(CVBS) Output NG

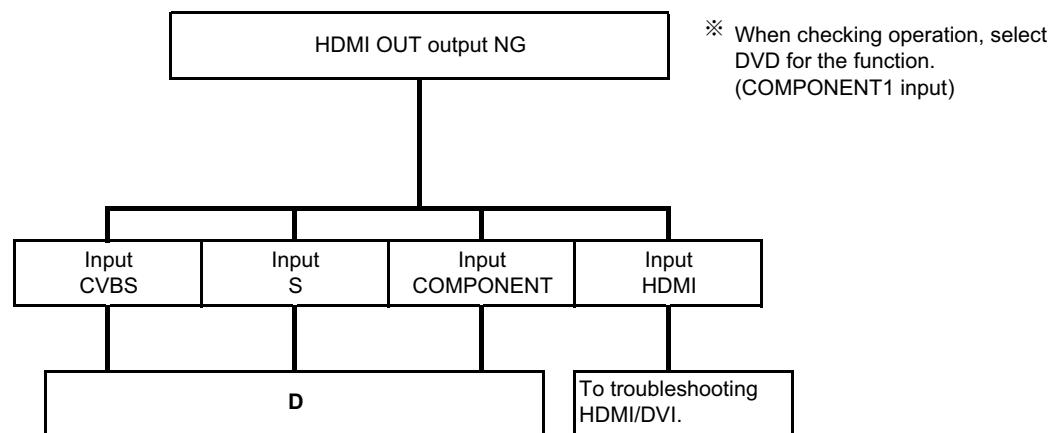
※ When checking operation, select VCR for the function.

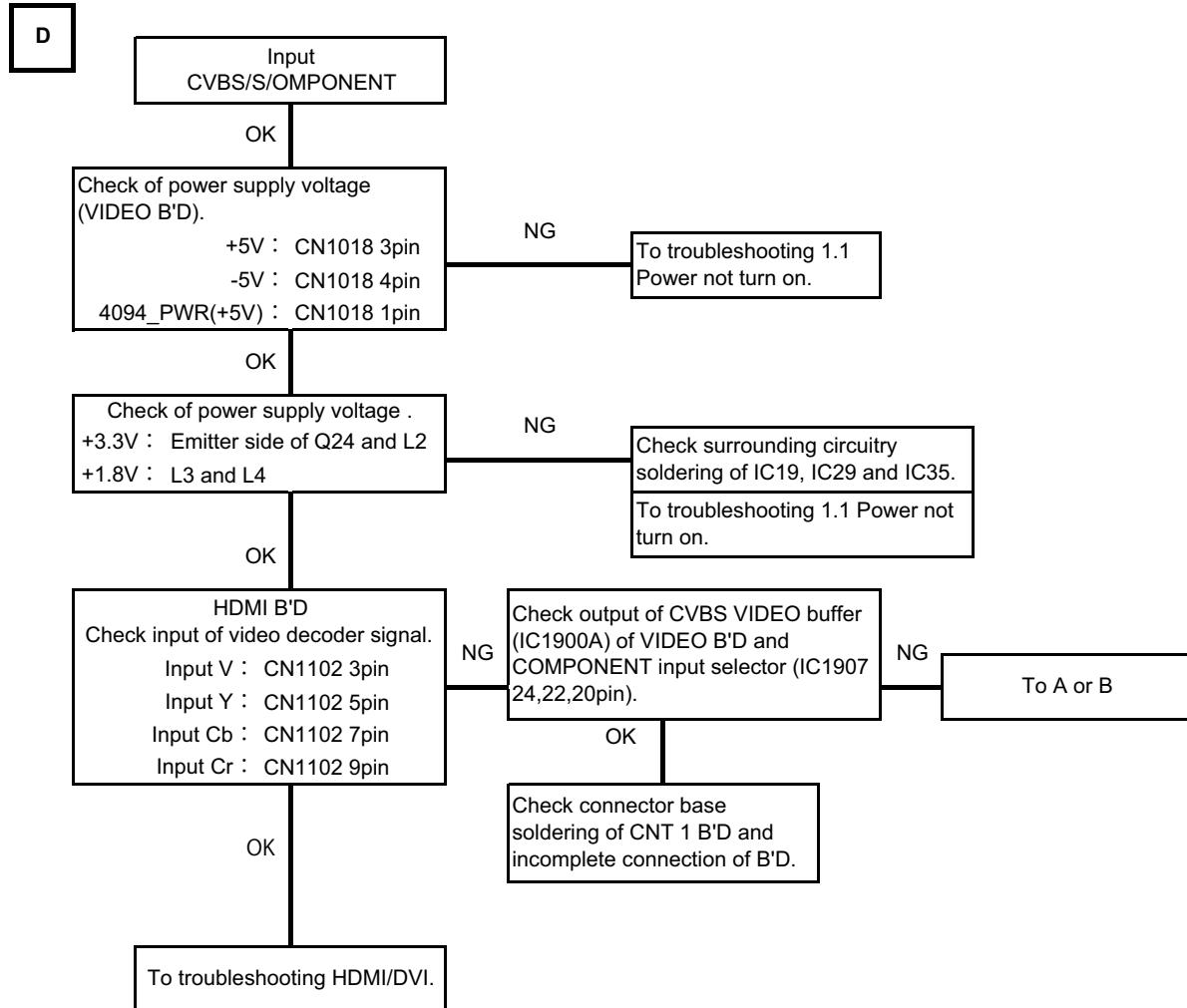


**A****B**

**C**

## 2.2. HDMI OUT Output NG (AVR-1910/790 model)

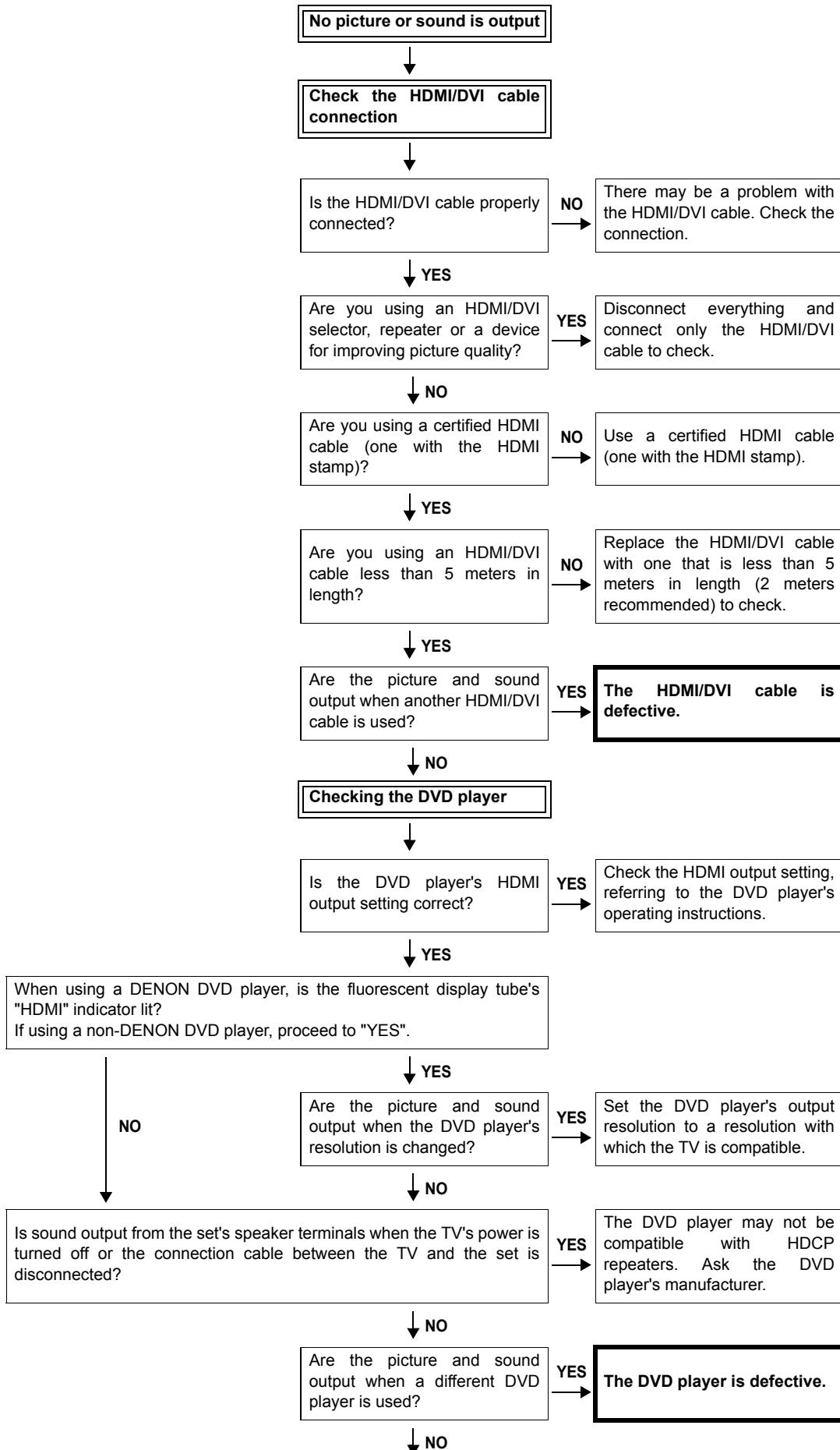


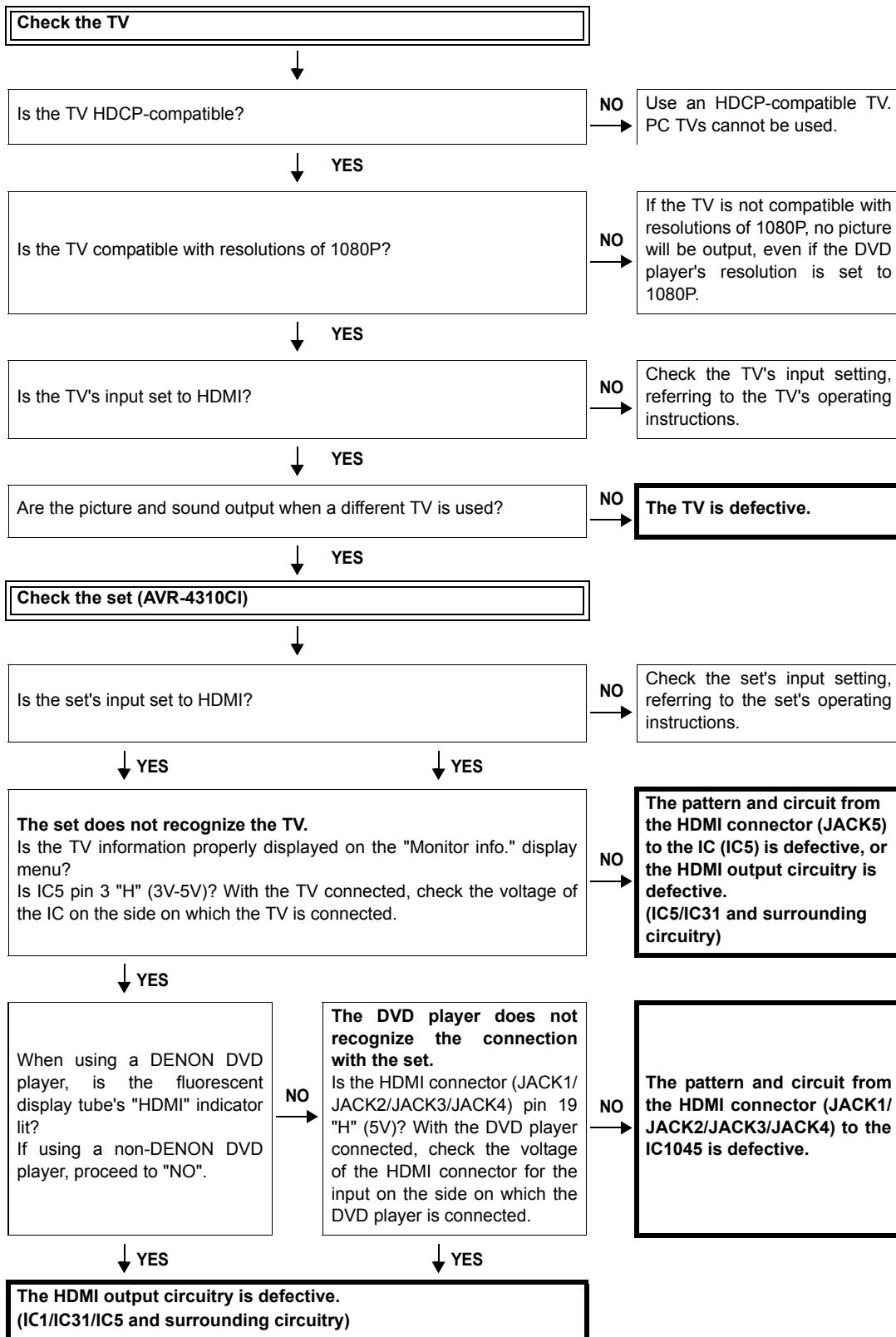


※ Unless specified, HDMI B'D part.

### 3. HDMI/DVI

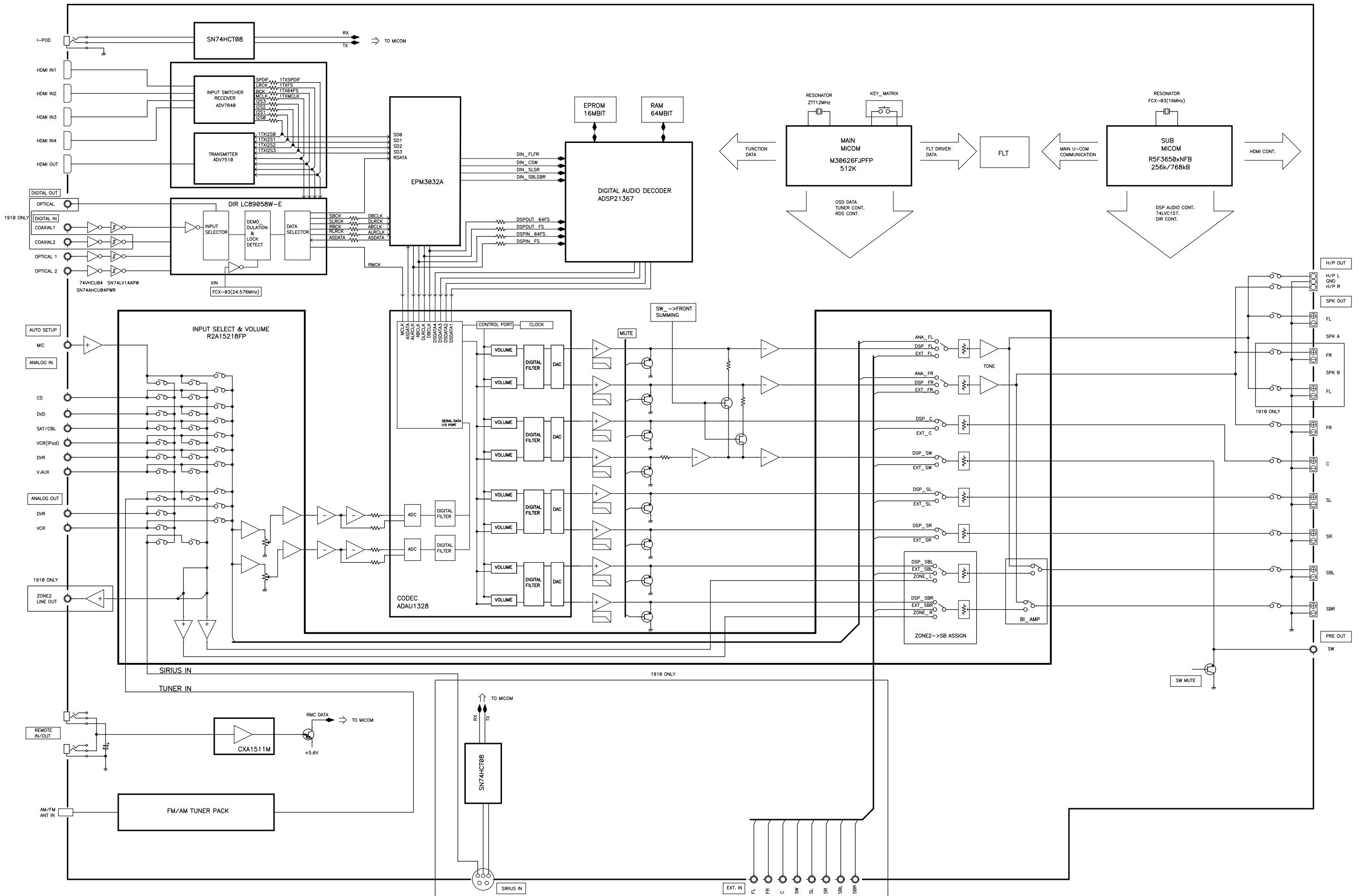
#### 3.1. No picture or sound is output



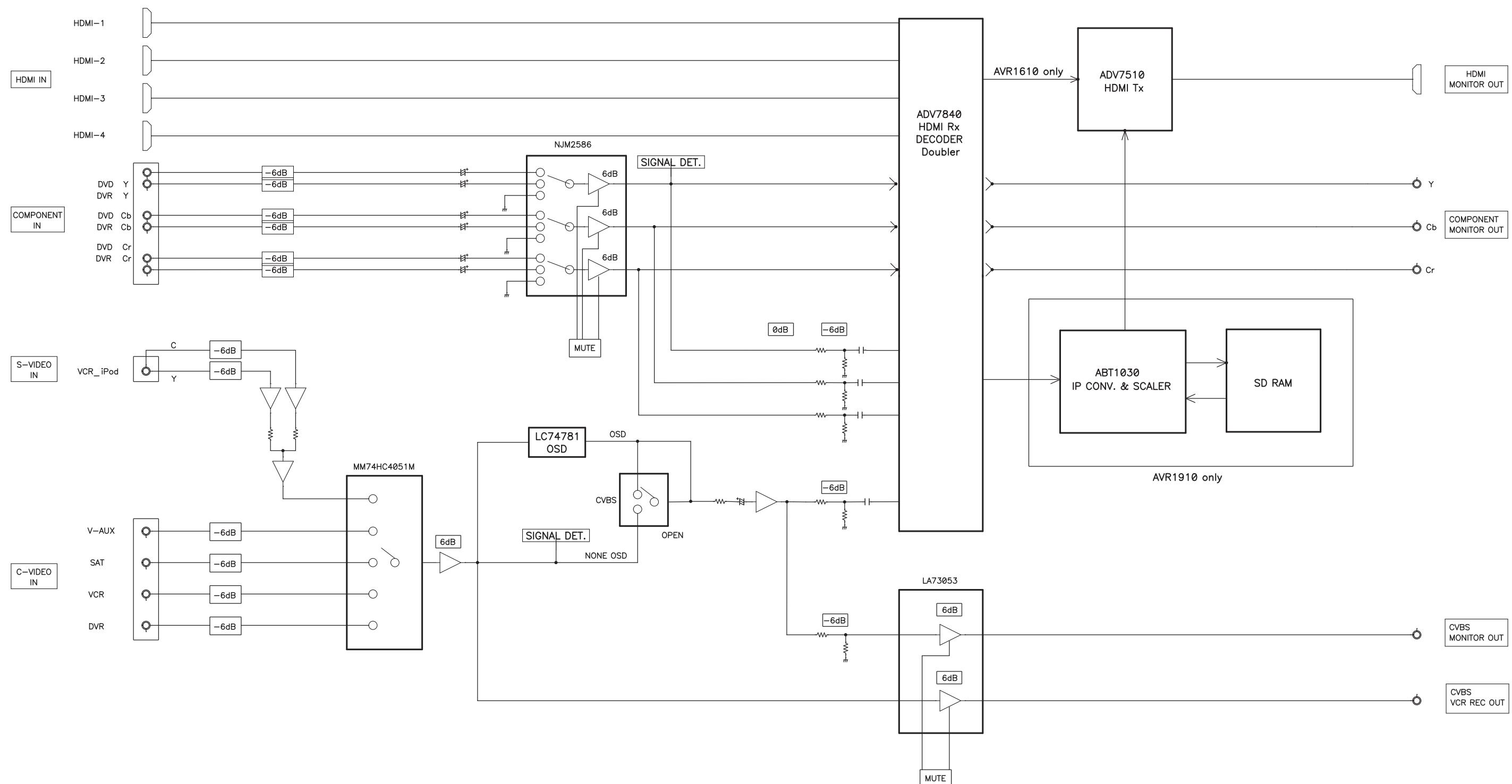


# BLOCK DIAGRAM

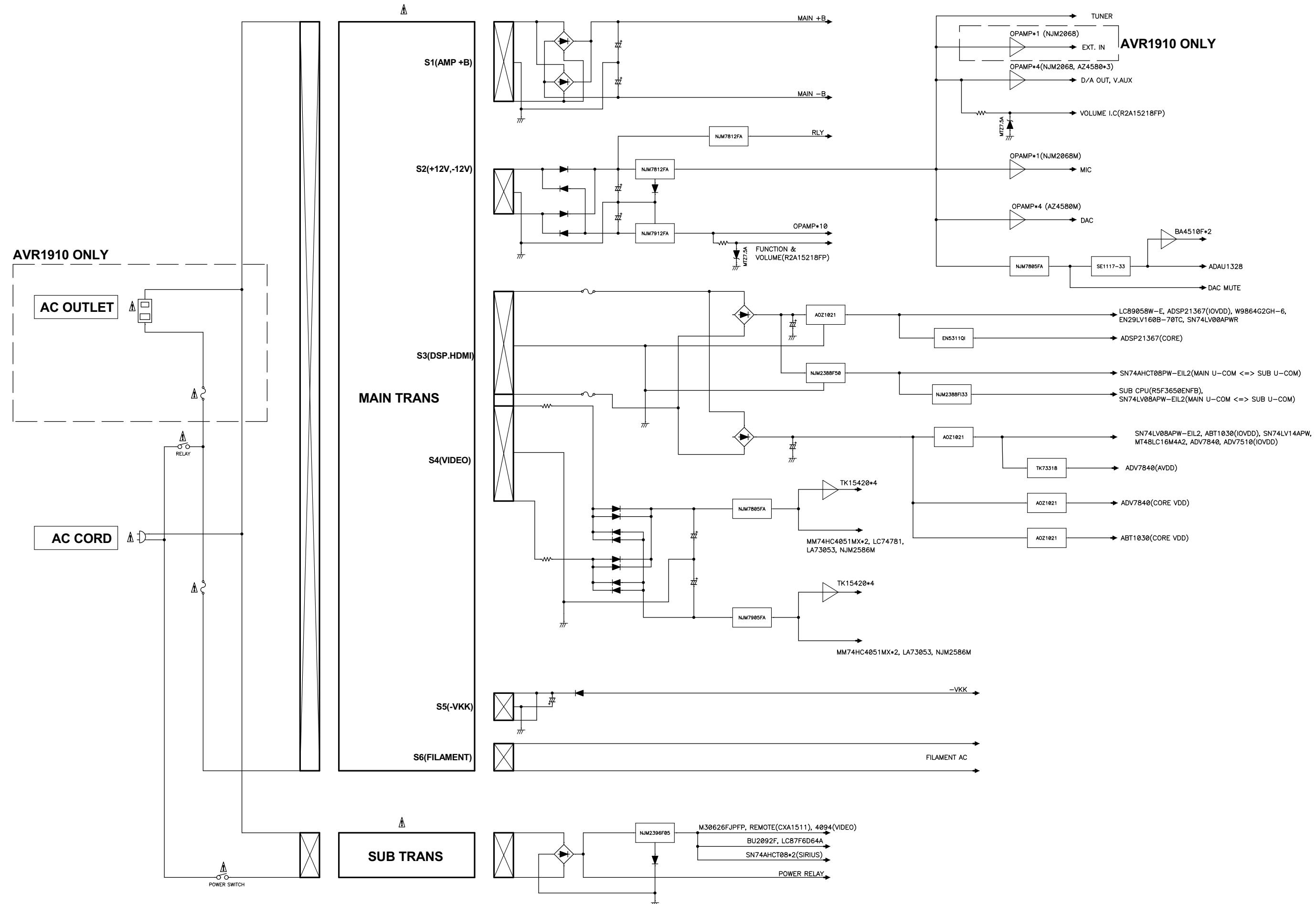
## AUDIO BLOCK DIAGRAM



## VIDEO BLOCK DIAGRAM



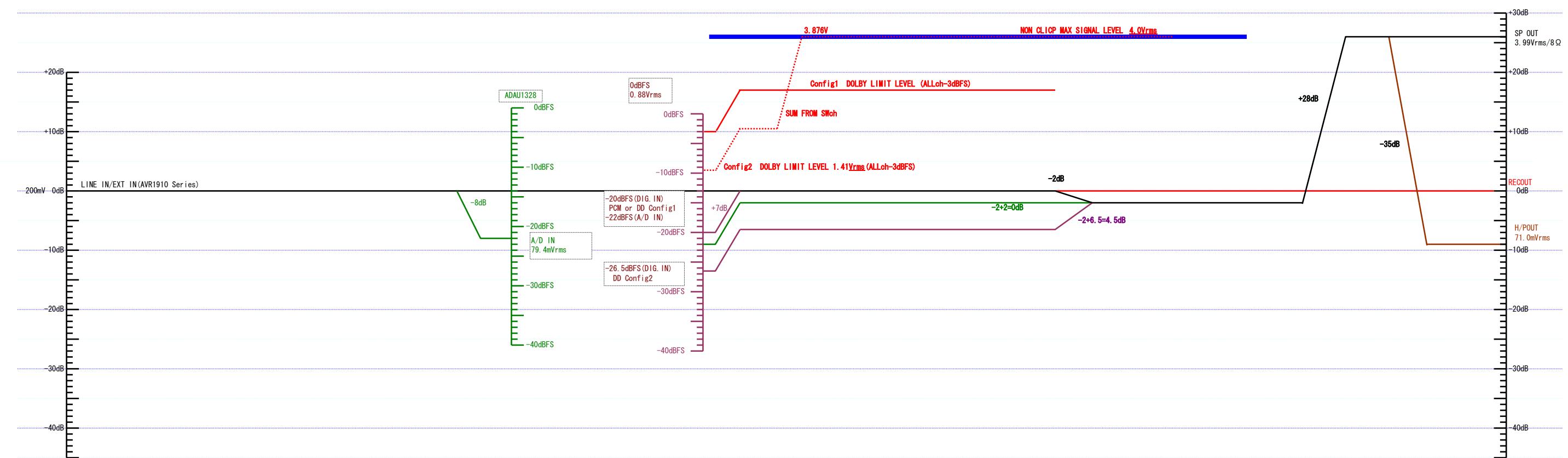
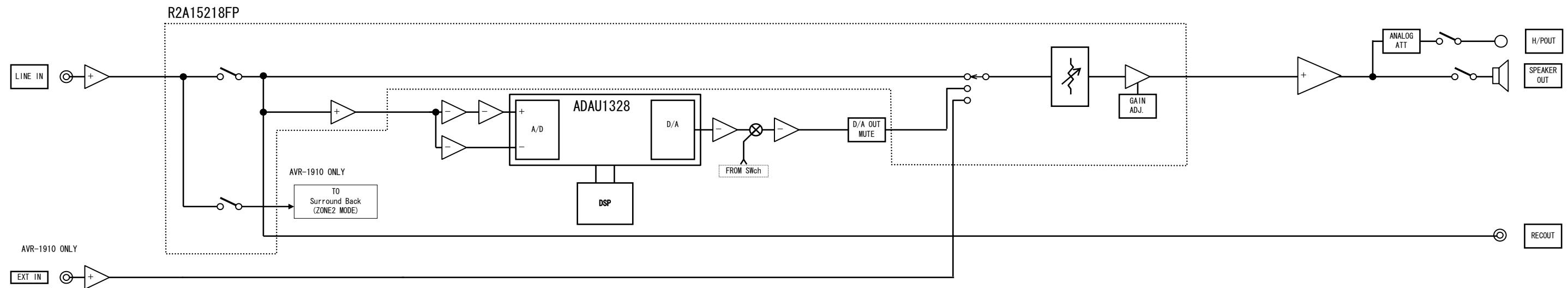
## VCC DIAGRAM



## LEVEL DIAGRAMS

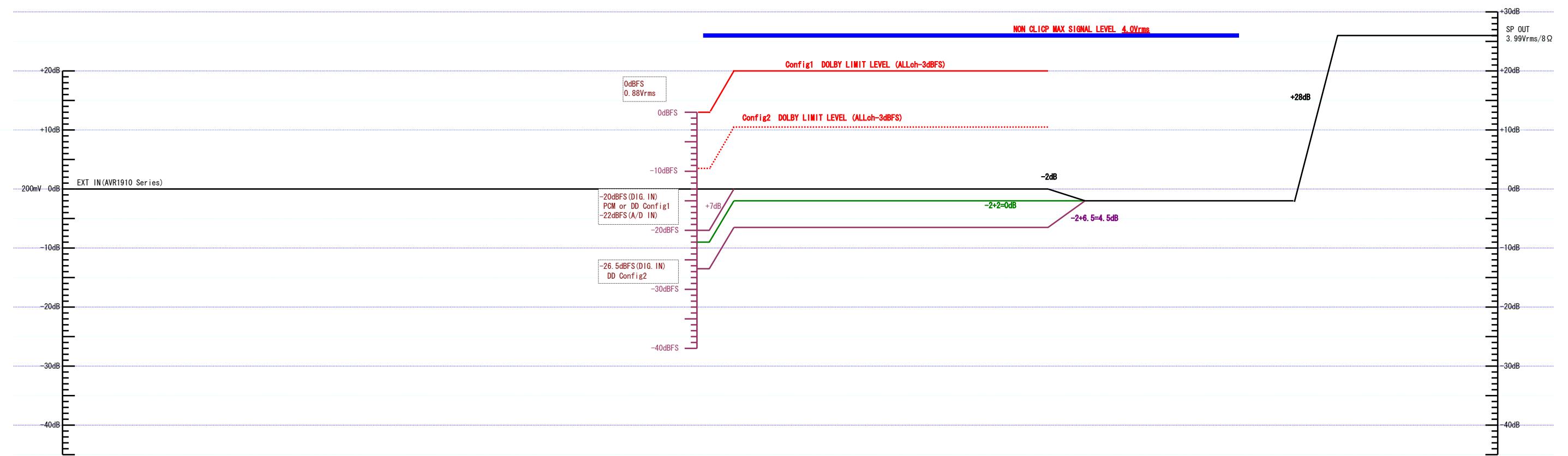
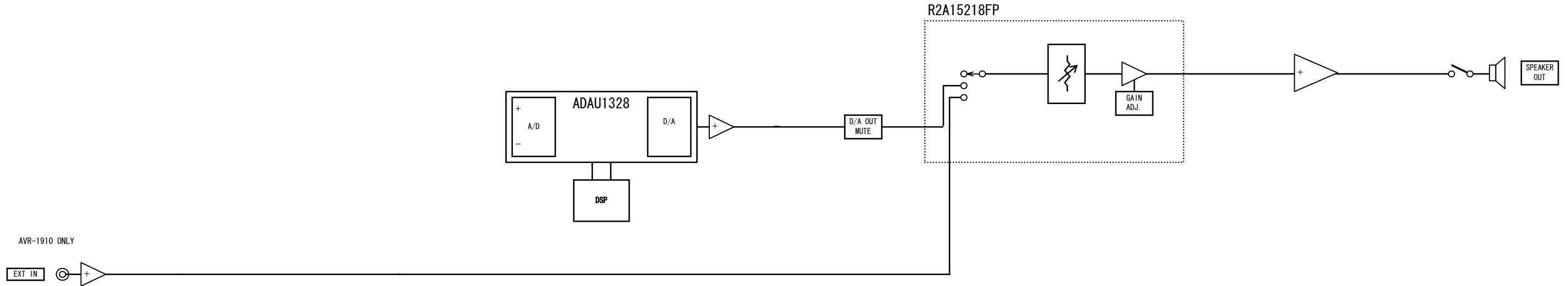
### FRONT LEVEL DIAGRAM

**LEVEL DIAGRAM  
FRONT ch**



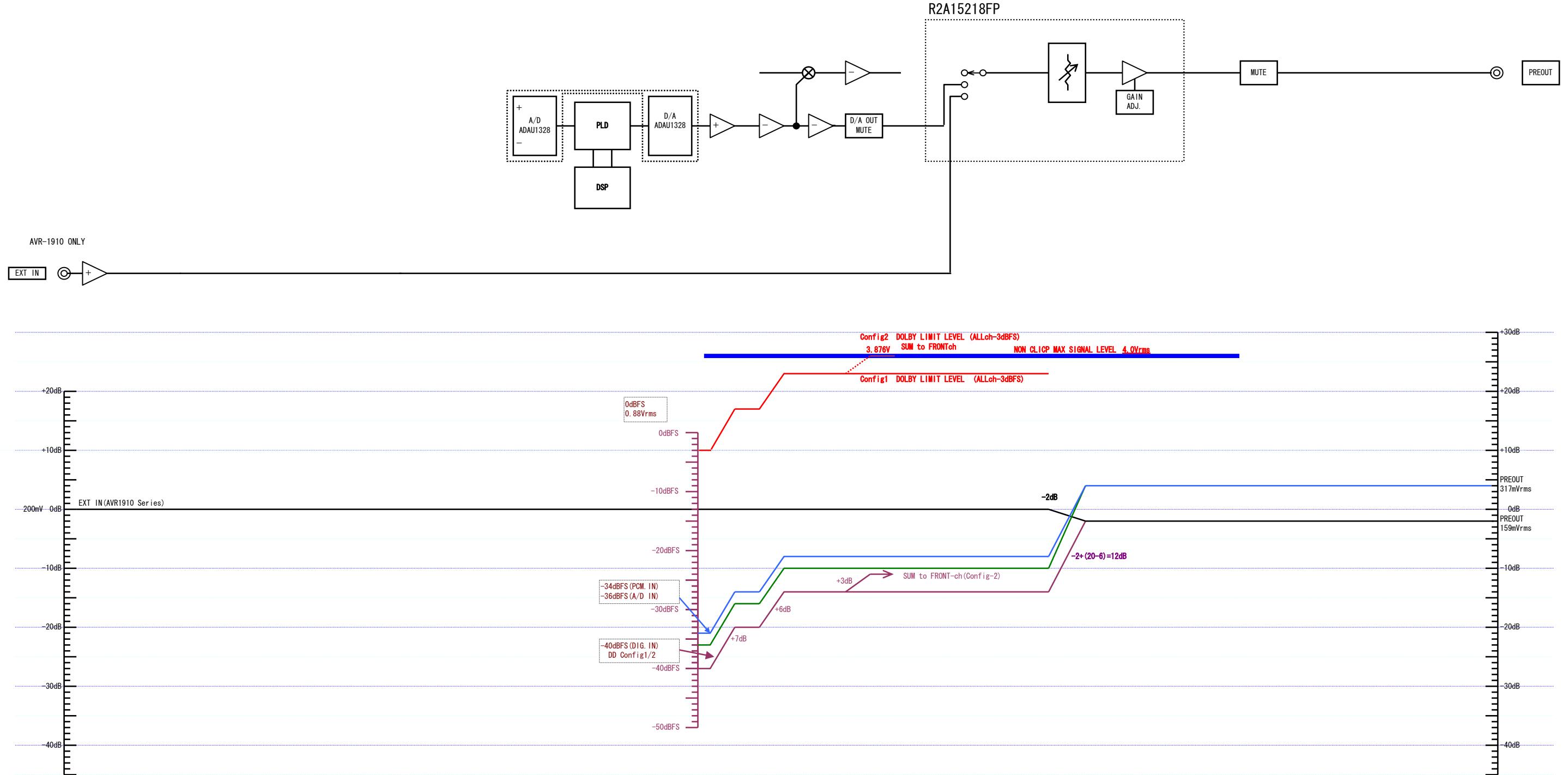
## CENTER LEVEL DIAGRAM

**LEVEL DIAGRAM  
CENTER ch**



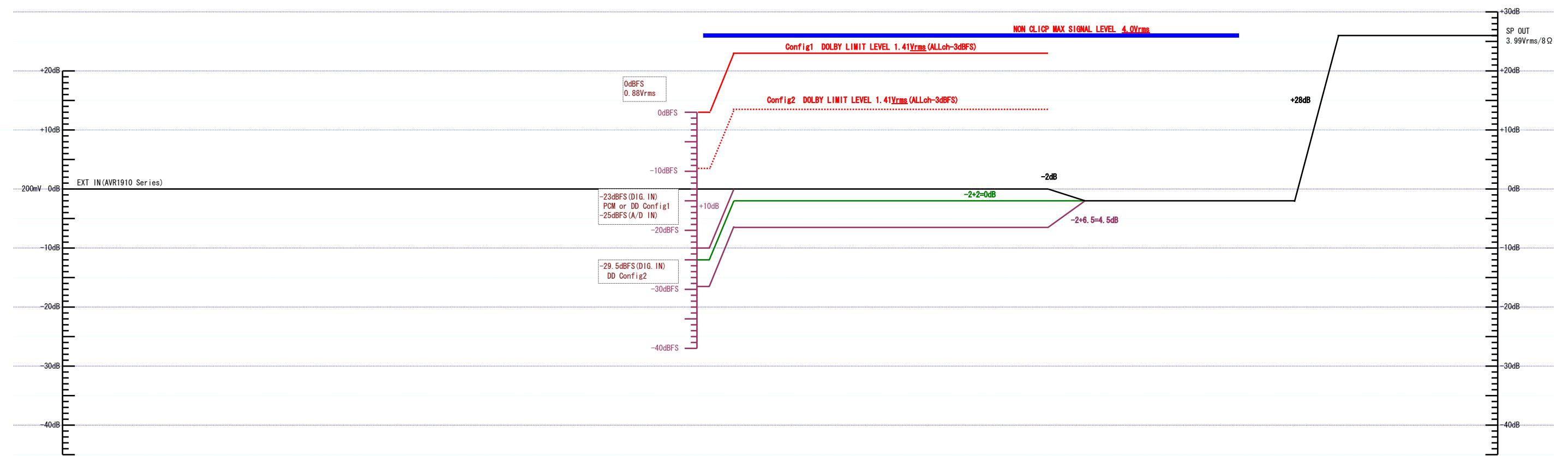
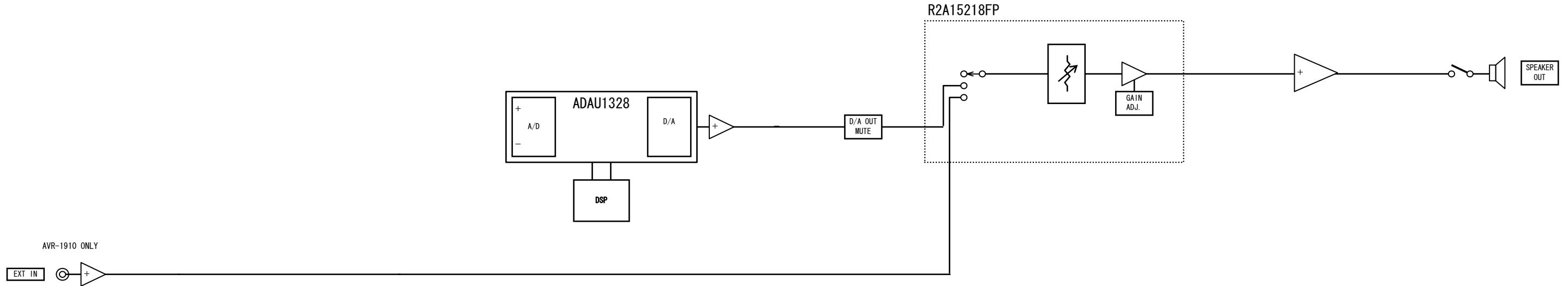
## SUB WOOFER LEVEL DIAGRAM

**LEVEL DIAGRAM  
SUBWOOFER ch**



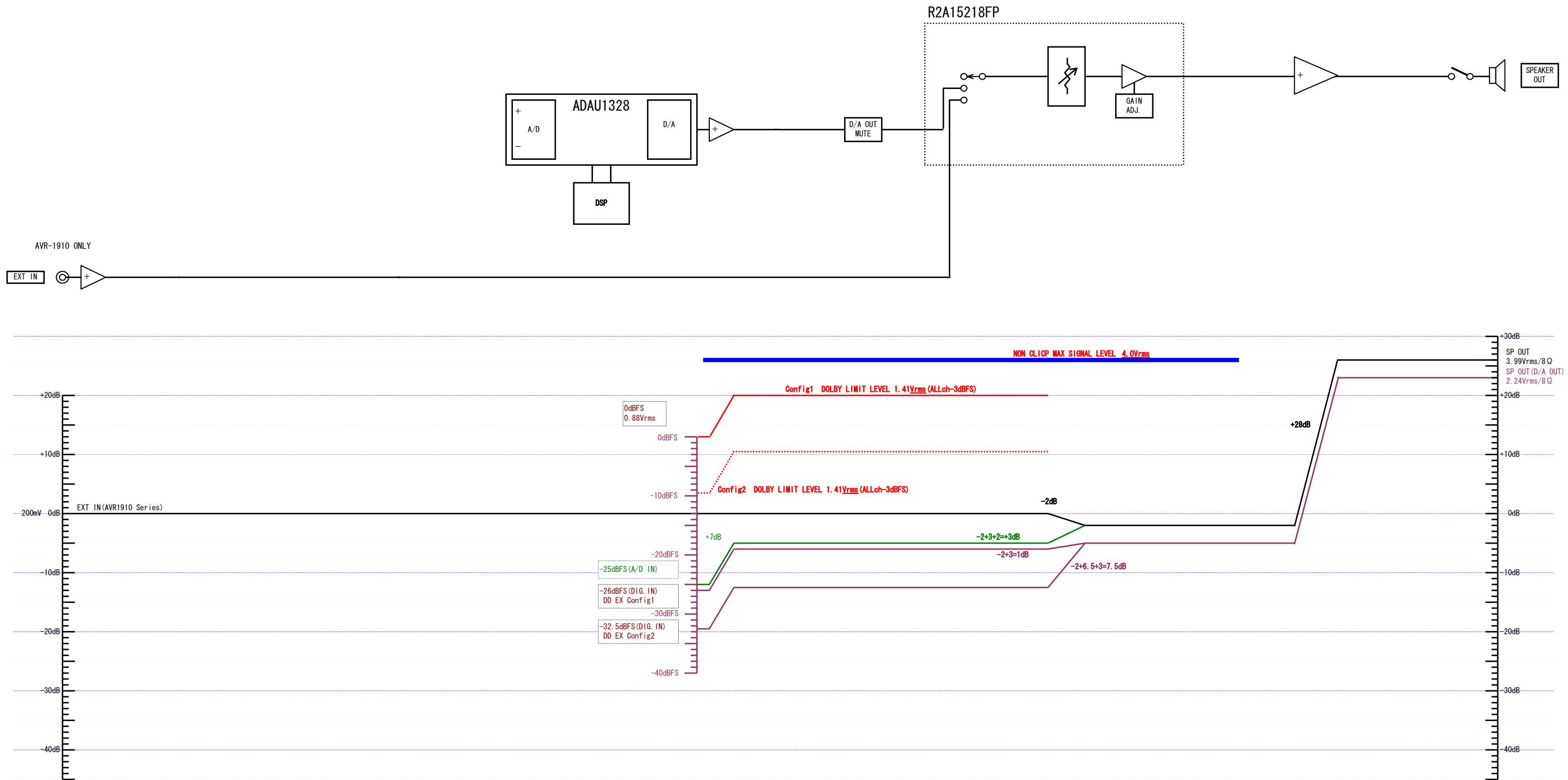
## SURROUND LEVEL DIAGRAM

**LEVEL DIAGRAM  
SURROUND ch**



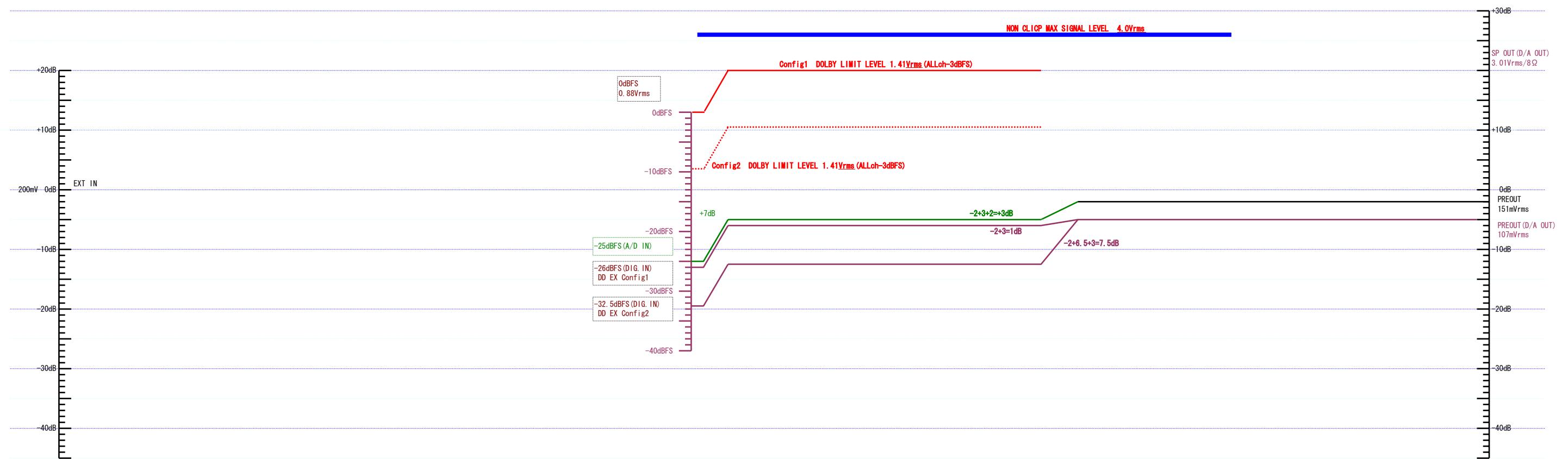
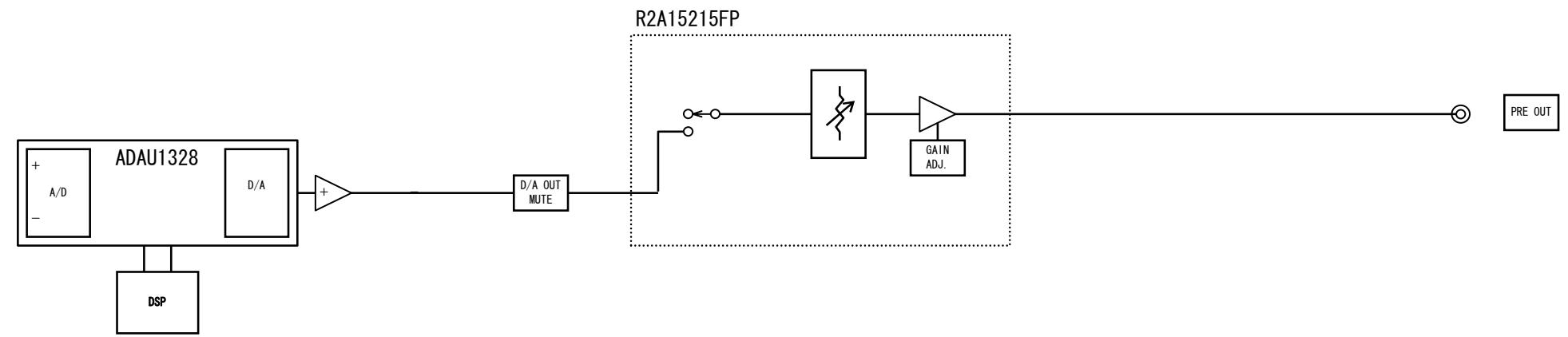
## SURROUND BACK LEVEL DIAGRAM (1910/790 model)

**LEVEL DIAGRAM  
SURR.BACK ch**



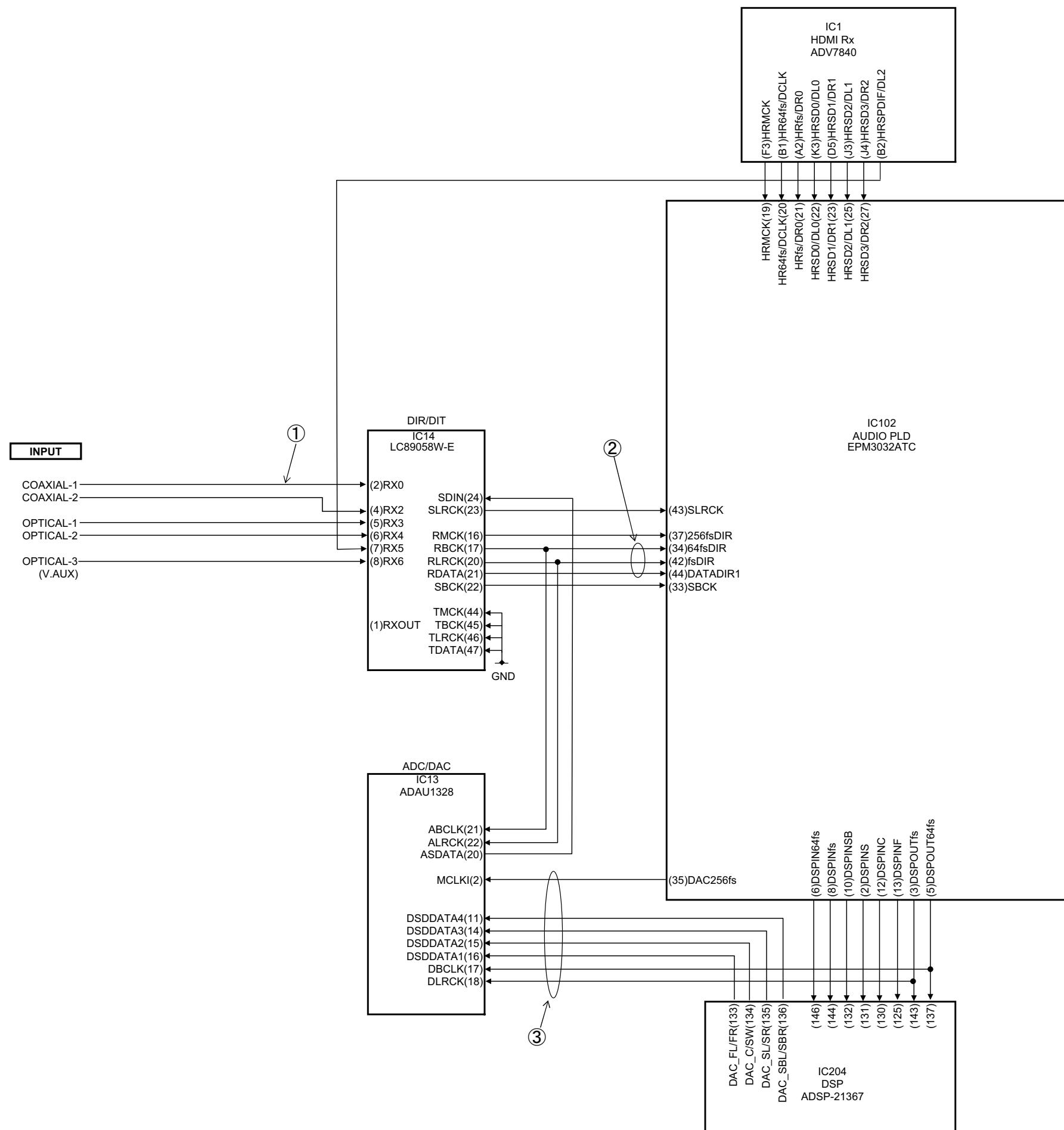
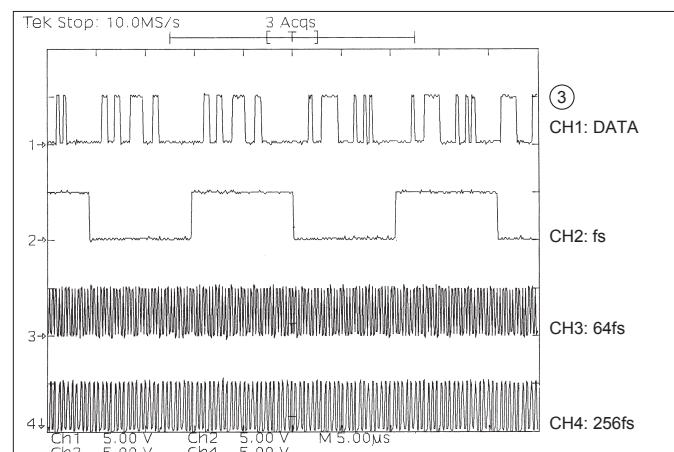
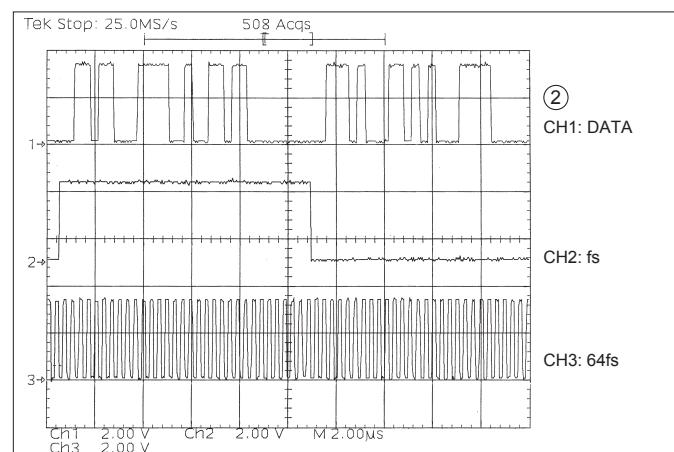
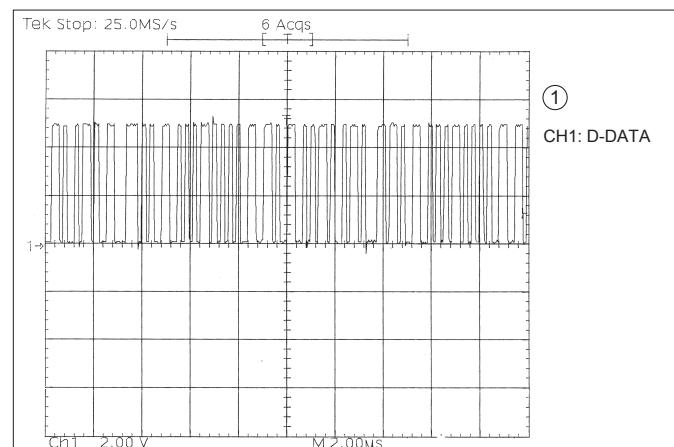
## SURROUND BACK LEVEL DIAGRAM (1610/1620/590 model)

**LEVEL DIAGRAM  
SURR.BACK ch**



## CLOCK FLOW & WAVE FORM IN DIGITAL BLOCK

### Wave form



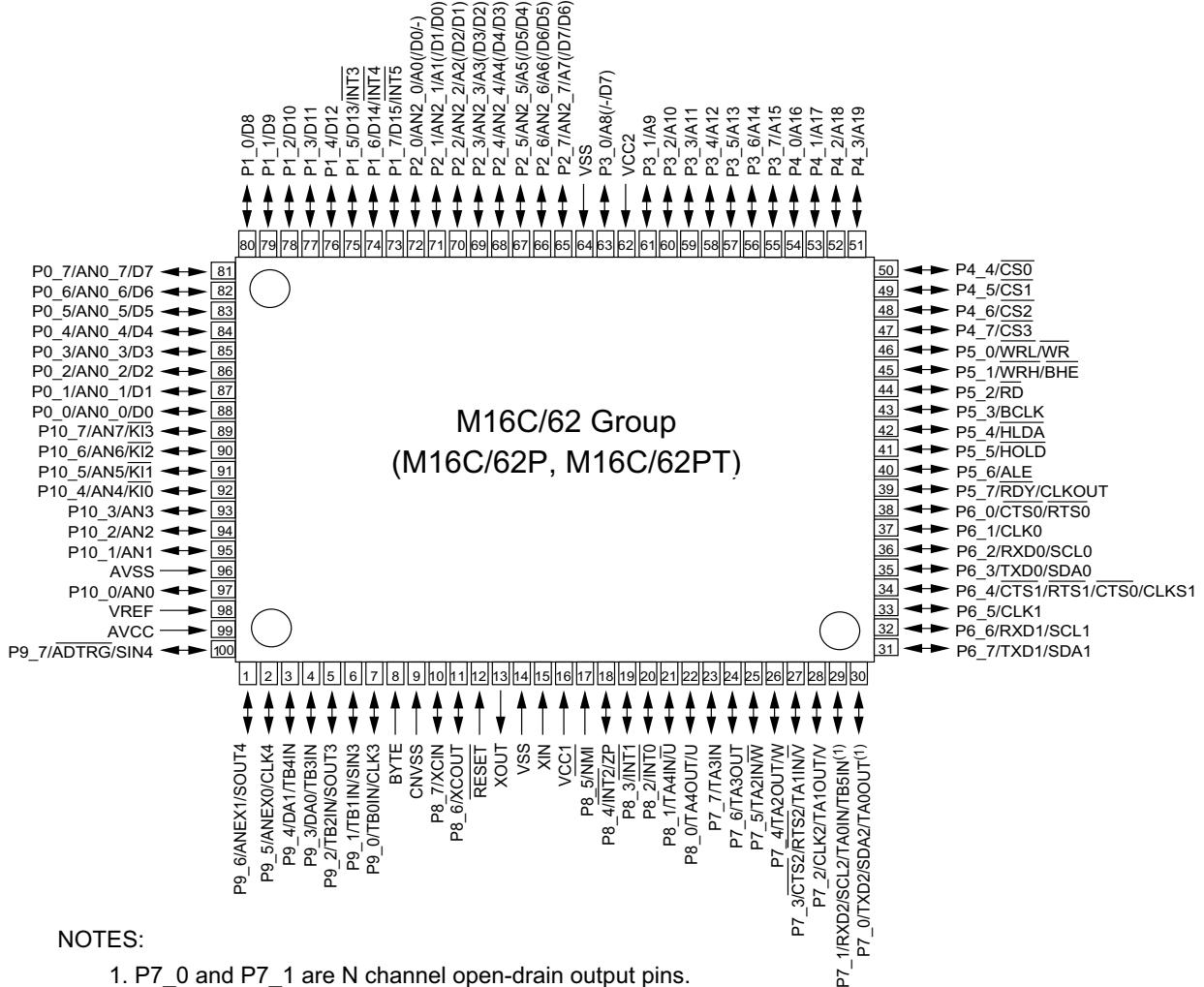
# SEMICONDUCTORS

Only major semiconductors are shown, general semiconductors etc. are omitted to list.

The semiconductor which described a detailed drawing in a schematic diagram are omitted to list.

## 1. IC's

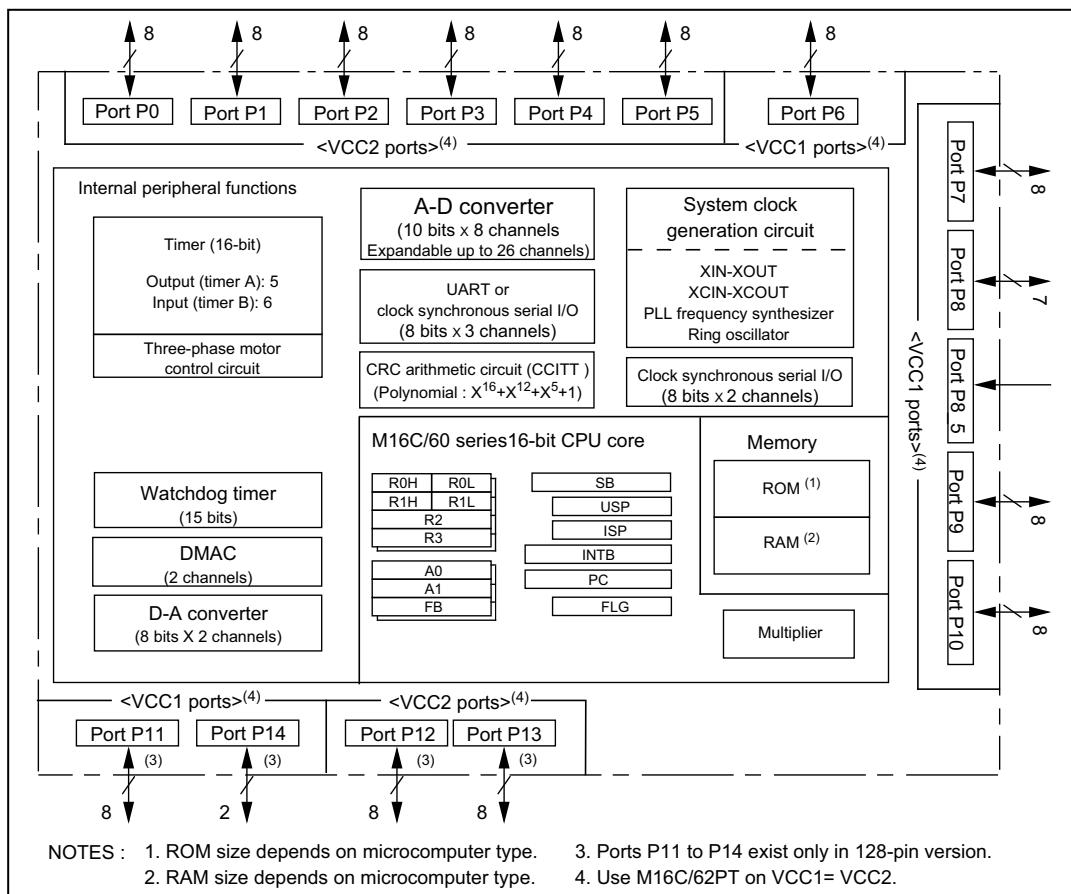
### M30626FJPFP (IC1005)



#### NOTES:

- P7\_0 and P7\_1 are N channel open-drain output pins.

## M30626FJPFP Block Diagram



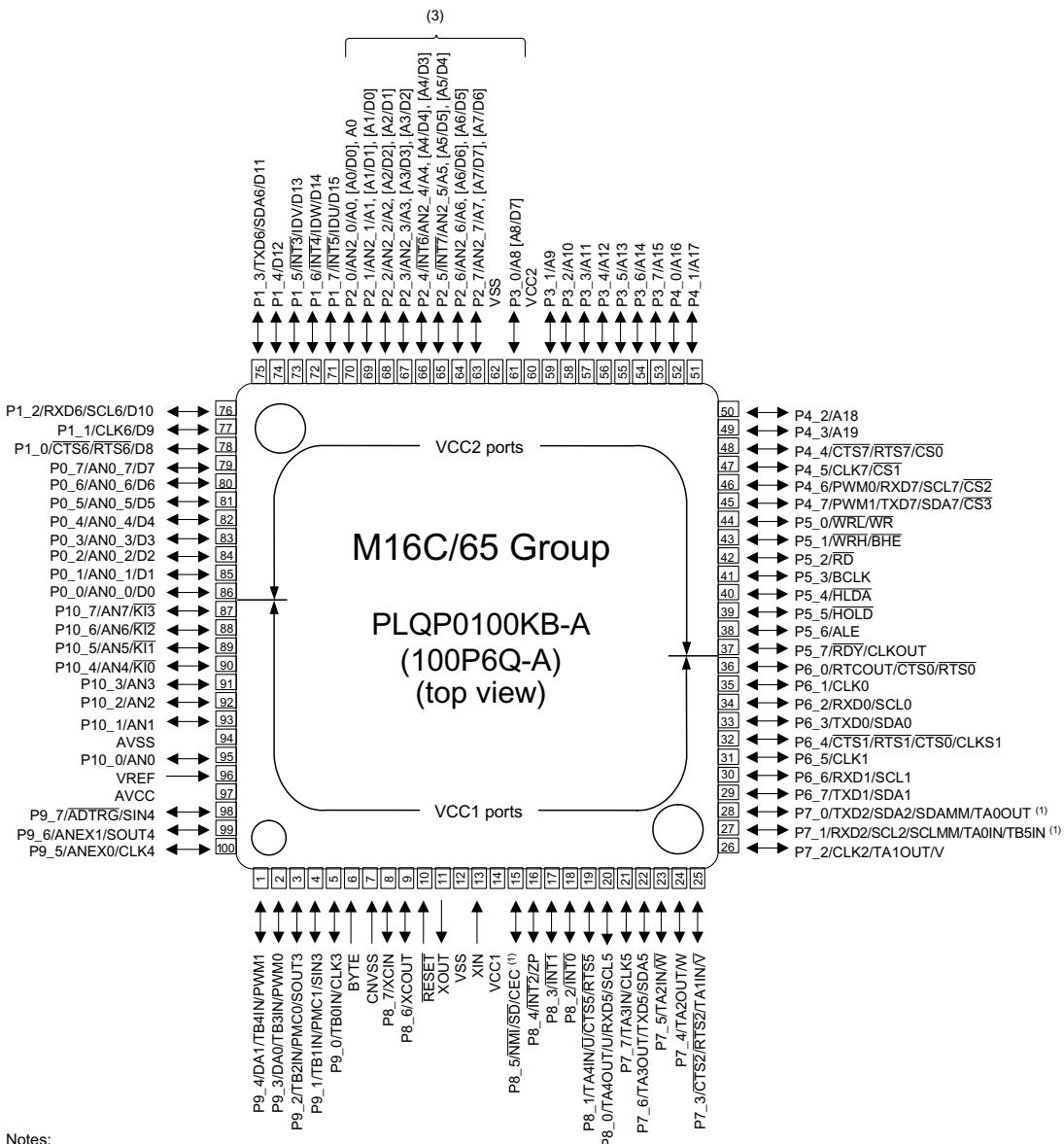
## M30626FJPFP Terminal Function

PIN No.	PIN	PIN NAME	I/O	Type	DET	Lv Cnv	Op (in)	Op (ex)	Res	PURE D	CEC STBY	STBY STOP	P.OFF STOP		Function
1	P96/ (SOUT4)	NC	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	UART	
2	P95/ (CLK4)	MICDET	I	-	Lv	-	-	-	Eu	Z	-	-	O/L	O/L	Mic insert detect
3	P94	H/PDET	I	-	Lv	-	-	-	Eu	Z	-	-	O/L	O/L	Headphone insert detect
4	P93	FL_DATA	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	FLD control	
5	P92/ SOUT3	MOSI	O	C	-	5/3	-	-	Z	-	-	O/L	O/L	Interface between Main CPU and Sub CPU	
6	P91/SIN3	SOMIm	I	-	Lv	5/3	-	-	Z	-	-	I	O/L	Interface between Main CPU and Sub CPU	
7	P90/CLK3	CLKMO	O	C	-	5/3	-	-	Z	-	-	O/L	O/L	Interface between Main CPU and Sub CPU	
8	BYTE	BYTE	I	-	-	-	-	-	-	-	-	-	-	GND	
9	CNVCS	CNVSS	I	-	-	-	-	-	Ed	Z	-	-	I	I	Firmware update control
10	P87	FL_RST	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	FL display control	
11	P86	REDLED	O	C	-	-	-	-	Z	-	O/H	O/H	O/L	H : ON	Power indicator (red led) control
12	RESET	RESET	I	-	Lv	-	-	Eu	L	-	-	I	I		RESET pulse input
13	XOUT	XOUT	O	-	-	-	-	-	-	-	-	-	-		Oscillator connect
14	VSS	VSS	-	-	-	-	-	-	-	-	-	-	-		GND
15	XIN	XIN	I	-	-	-	-	-	-	-	-	-	-		Oscillator connect
16	VCC	VCC	-	-	-	-	-	-	-	-	-	-	-		POWER 5V
17	P85/NMI	NMI	I	-	-	-	-	-	-	-	-	-	-		Connect to +5V
18	P84/INT2	PROTECTION	I	-	E↓ & L	-	-	Eu	Z	-	-	I	I		Fall Edge & L
19	P83/INT1	LED1 (TBD)	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : ON	LED control
20	P82/INT0	GRNLED	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : ON	Power indicator (green led) control
21	P81	BLUE LED	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : ON	HD_AUDIO indicator (blue led) control

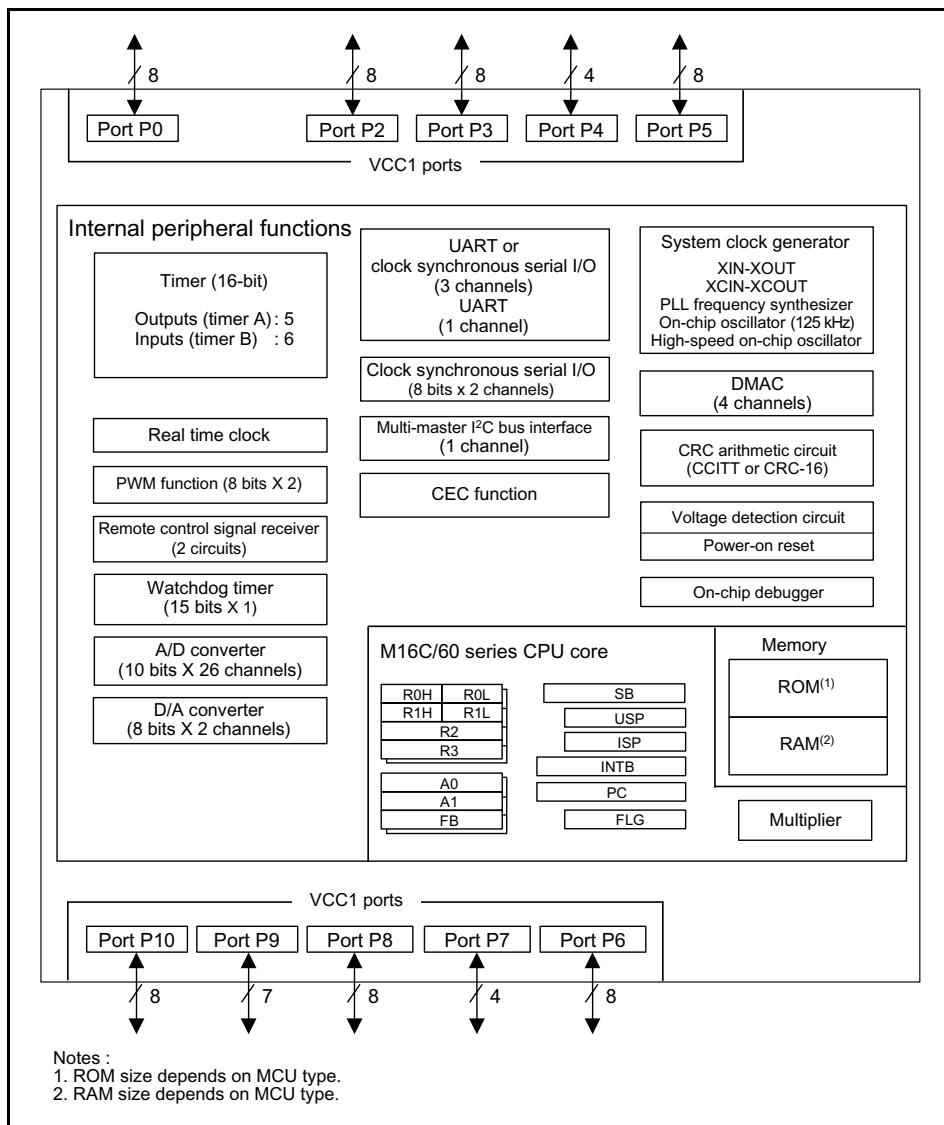
PIN No.	PIN	PIN NAME	I/O	Type	DET	Lv Cnv	Op (in)	Op (ex)	Res	PURE D	CEC STBY	STBY STOP	P.OFF STOP		Function	
22	P80	DYN_GRN_LED	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : ON	DYNAMIC EQ indicator (green led) control	
23	P77	DYN_RED_LED	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : ON	DYNAMIC EQ indicator (red led) control	
24	P76	ISELA	I	-	-	-	-	-	Eu	Z	-	-	O/L	O/L	SOURCE encoder operation detect	
25	P75	ISELB	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		SOURCE encoder operation detect	
26	P74	VSELA	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		VOLUME encoder operation detect	
27	P73	VSELB	I	-	-	-	-	-	Eu	Z	-	-	O/L	O/L		VOLUME encoder operation detect
28	P72/CLK2	LED2 (TBD)	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : ON	LED control	
29	P71/RXD2	SIRIUS RXD	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	UART	SIRIUS control	
30	P70/TXD2	SIRIUS TXD	O	N	-	-	-	-	Z	O/L	-	O/L	O/L	UART	SIRIUS control	
31	P67/TXD1	MO232CI	O	C	-	-	-	-	Z	-	-	O/L	O/L	UART	Interface between Main CPU and external i/o port	
32	P66/RXD1	MI232CO	I	-	-	-	-	-	Ed	Z	-	-	O/L	O/L	UART	Interface between Main CPU and external i/o port
33	P65/CLK1	NC	O	C	-	-	-	-	Ed	Z	-	-	O/L	O/L	PullDown	
34	P64/	NC	O	C	-	-	-	-	Ed	Z	-	-	O/L	O/L	PullDown	
35	P63/TXDO	MOIPI	O	C	-	-	-	-	Z	-	-	O/L	O/L	UART	iPod dock control	
36	P62/RXD0	MIPO	I	-	-	-	-	-	Ed	Z	-	-	O/L	O/L	UART	iPod dock control
37	P61/ (CLK0)	NC	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : ON		
38	P60	NC	O	C	-	-	-	-	Ed	Z	-	-	O/L	O/L	PullDown	
39	P57	SCPUPOWER	O	C	-	-	-	-	Z	-	O/H	O/L	O/L	H : SCPUPOWER ON	Sub CPU power control	
40	P56	FL_CE1	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		FLD control	
41	P55/EPM	FRASH EMP/ FL_CLK	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		Firmware update / FL display control	
42	P54	NC	O	C	-	-	-	-	Ed	Z	-	-	O/L	O/L	PullDown	
43	P53	VOLCLK	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		Volume control	
44	P52	VOLDATA	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		Volume control	
45	P51	FRONT HEIGHT RLY (TBD)	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : Front H Sp ON		
46	P50/CE	FRASH CE	O	C	-	-	-	-	Z	-	-	O/L	O/L		Firmware update control	
47	P47	RDSOUT	I	-	-	-	-	-	Eu	Z	-	-	O/L	O/L		TUNER control
48	P46	TURDCLK (CKTU)	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		TUNER control	
49	P45	TURDSDATA (DATATU)	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		TUNER control	
50	P44	RDSCE	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		TUNER control	
51	P43	RDSRST	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		TUNER control	
52	P42	THERMAL	I	-	-	-	-	-	Ed	Z	-	-	O/L	O/L	L : PROTECTION	Thermal protection detect
53	P41	FRONT A RLY	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : Front A Sp ON	FRONT A speaker relay control	
54	P40	FRONT B RLY	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : Front B Sp ON	FRONT B speaker relay control	
55	P37	STEREO	I	-	Lv	-	-	-	Ed	Z	-	-	O/L	O/L		STEREO broadcast detect
56	P36	TUSTB	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		TUNER control	
57	P35	NC	O	C	-	-	-	-	Ed	Z	-	O/L	O/L	O/L		
58	P34	TUNED	I	-	Lv	-	-	-	Eu	Z	-	O/L	O/L	O/L		TUNED det.
59	P33	TUNER MUTE	O	C	-	-	-	-	Z	-	O/L	O/H	O/L	H : MUTE	TUNER mute control	
60	P32	SIRIUS MUTE	O	C	-	-	-	-	Z	-	O/L	O/H	O/L	H : MUTE	SIRIUS mute control	
61	P31	MULTI MUTE	O	C	-	-	-	-	Z	-	O/L	O/H	O/L	H : MUTE	MULTI ZONE mute control	
62	VCC	VCC	-	-	-	-	-	-	-	-	-	-	-	-		
63	P30	SW MUTE	O	C	-	-	-	-	Z	-	O/L	O/H	O/L	H : MUTE	SW mute control	
64	VSS	VSS	-	-	-	-	-	-	-	-	-	-	-	-		
65	P27	MULTI POWER	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : ON	MULTI power control	
66	P26	SUB UPDATE	O	C	-	-	-	-	Z	-	O/L	O/L	O/L		Sub-CPU F/W update control	
67	P25	SIRIUS RESET	O	C	-	-	-	-	Z	-	-	O/L	O/L		SIRIUS control	
68	P24	POWER	O	C	-	-	-	-	Ed	Z	-	O/H	O/L	O/L	H:POWER ON	Main relay control
69	P23	PRE POWER	O	C	-	-	-	-	-	Z	-	O/L	O/L	O/L	H : ON	Pre-power components power control
70	P22	CENTER RLY	O	C	-	-	-	-	Ed	Z	-	O/L	O/L	O/L	H : Center Sp ON	Center speaker relay control
71	P21	SURROUND RLY	O	C	-	-	-	-	-	Z	-	O/L	O/L	O/L	H : Surround Sp ON	Surround speaker relay control

PIN No.	PIN	PIN NAME	I/O	Type	DET	Lv Cnv	Op (in)	Op (ex)	Res	PURE D	CEC STBY	STBY STOP	P.OFF STOP		Function
72	P20	SURRUOND BACK RLY	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : SurBack Sp ON	Surround-back speaker relay control
73	P17/INT5	REMOCOM	I	-	E↑ & H	-	-	Ed	Z	-	-	I	I	Rise Edge & H	Remote signal detect
74	P16/INT4	REQSOMIm	I	-	E↓ & H	-	-	-	Z	-	-	I	O/L		Interface between Main CPU and Sub CPU
75	P15/INT3	POWER DOWN	I	-	E↓ & H	-	-	Eu	Z	-	-	I	I	Fall Edge & L	Power off detect
76	P14	RSTSUB	O	C	-	-	-	-	Z	-	-	O/L	O/L		Interface between Main CPU and external i/o port
77	P13	LIMITDET	I	-	Lv	-	-	Eu	Z	-	-	O/L	O/L	L : DETECTIVE	Max current det
78	P12	LIMIT	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : ON	Current limit control
79	P11	H/P RLY	O	C	-	-	-	-	Z	-	O/L	O/L	O/L	H : Headphone ON	Headphone relay control
80	P10	SBL MUTE	O	C	-	-	-	-	Z	-	O/L	O/H	O/L	H : MUTE	Surround back channel mute control
81	P07	IPDET	I	-	Lv	-	-	Eu	Z	-	-	O/L	O/L	H:DETECTIVE	iPod dock connection det
82	P06	NC	O	C	-	-	-	-	Z	O/L	O/L	O/L	O/L		
83	P05	NC	O	C	-	-	-	-	Z	O/L	O/L	O/L	O/L		
84	P04	SYNCDET_M	I	-	Lv	-	-	-	Z	-	-	O/L	O/L		OSD control
85	P03	CVBS MUTE	O	C	-	-	-	-	Z	O/L	O/L	O/L	O/L		CVBS mute control
86	P02	OSD STR	O	C	-	-	-	-	Z	O/L	O/L	O/L	O/L	L : MUTE	OSD control
87	P01	OSD_CLK	O	C	-	-	-	-	Z	O/L	O/L	O/L	O/L	L : MUTE	OSD control
88	P00	OSD_DT	O	C	-	-	-	-	Z	O/L	O/L	O/L	O/L	L : MUTE	OSD control
89	P107/AN7/KI3	KEY1	I	-	Lv	-	-	Eu	Z	-	-	I	O/L		Front panel key operation det
90	P106/AN6/KI2	KEY2	I	-	Lv	-	-	Eu	Z	-	-	I	O/L		Front panel key operation det
91	P105/AN5/KI1	KEY3	I	-	Lv	-	-	Eu	Z	-	-	I	O/L		Front panel key operation det
92	P104/(AN4)/(K10)	ACKSUB	O	C	-	5/3	-	-	Z	-	-	O/L	O/L		Interface between Main CPU and Sub CPU
93	P103/(AN3)	NC	O	C	-	-	-	Ed	Z	-	-	O/L	O/L	PullDown	
94	P102/(AN2)	NC	O	C	-	-	-	Ed	Z	-	-	O/L	O/L	PullDown	
95	P101/(AN1)	NC	O	C	-	-	-	Ed	Z	-	-	O/L	O/L	PullDown	
96	AVSS	AVSS	-	-	-	-	-	-	-	-	-	-	-	-	
97	P100/AN0	SET_OPTION	I	-	Lv	-	-	-	Z	-	-	I	O/L	Lv	Area setting
98	VREF	VREF	-	-	-	-	-	-	-	-	-	-	-	-	
99	AVCC	AVCC	-	-	-	-	-	-	-	-	-	-	-	-	
100	P97/(SIN4)	NC	O	C	-	-	-	-	Z	O/L	O/L	O/L	O/L		

# R5F3650ENFB (IC28)



## R5F3650ENFB Terminal Function



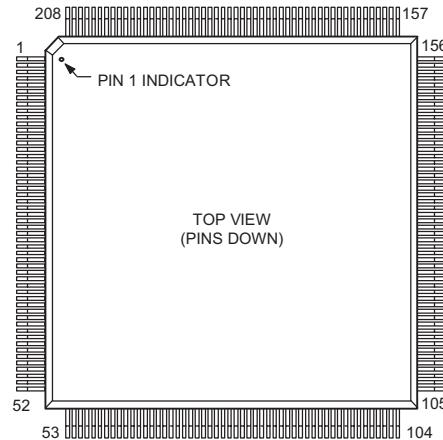
## R5F3650ENFB Terminal Function

Pin	Pin	Pin Name	I/O	Type	Det	Op (in)	Op(ex)	Res	PURE D	CEC STBY	P.O.F	Function
1	P94	NC	O	C	-	-	-	Z	O/L	O/L	Z	
2	P93	DIR CE	O	C	-	-	-	Z	O/L	O/L	Z	DIR(LC89058W-VF4A) control
3	P92/SOUT3	DIR DIN	O	C	-	-	-	Z	O/L	O/L	Z	DIR(LC89058W-VF4A) control
4	P91/SIN3	DIR DOUT	I	-	Lv	-	Eu	Z	-	-	Z	DIR(LC89058W-VF4A) control
5	P90/CLK3	DIR CLK	O	C	-	-	-	Z	O/L	O/L	Z	DIR(LC89058W-VF4A) control
6	BYTE	BYTE	-	-	-	-	-	-	-	-	-	GND
7	CNVCS	CNVSS	-	-	-	-	Ed47K	-	-	-	-	Firmware update control
8	P87	NC	O	C	-	-	Eu	Z	O/H	O/H	Z	
9	P86	NC	O	C	-	-	Ed	Z	O/L	O/L	Z	
10	RESET	SUBRESET	I	-	Lv	-	Eu	L	-	-	Z	RESET pulse input
11	XOUT	X1	O	-	-	-	-	-	-	-	-	Oscillator connect
12	VSS	VSS	-	-	-	-	-	-	-	-	-	GND
13	XIN	X2	I	-	-	-	-	-	-	-	-	Oscillator connect
14	VCC	VCC	-	-	-	-	-	-	-	-	-	+3.3V
15	P85/NMI/(CEC)	NMI/(CEC_IN)	I	-	-	-	-	-	-	-	-	Connect to +3.3V
16	P84/INT2	CEC_IN	I	-	E↓ & L	-	Eu	Z	-	-	Z	CEC control
17	P83/INT1	ACK SIMO	I	-	E↓ & L	-	Ed	Z	-	-	Z	Interface between Main CPU and Sub CPU
18	P82/INT0	SUB BDOWN	I	-	E↓ & L	-	Eu	Z	-	-	Z	Power off detect
19	P81	IP_RST	O	C	-	-	-	Z	O/H	O/H	Z	IP CONV.(ABT1030) control
20	P80/(RXD5)	NC	O	C	-	-	Ed	Z	O/L	O/L	Z	(1910/790 model)

Pin	Pin	Pin Name	I/O	Type	Det	Op (in)	Op(ex)	Res	PURE D	CEC STBY	P.O.F	Function
20	P80/(RXD5)	PLDCE/TDO	O	C	-	-	Ed	Z	O/L	O/L	Z	PLD(EPM240T100C5N) firmware update control (1610/1620/590 model)
21	P77/(CLK5)	SI CODECO	I	-	Lv	-	-	Z	O/L	O/L	Z	CODEC(ADAU1328) control
22	P76/(TXD5)	CPUMUTE/TMS/M_D	O	C	-	-	Eu	Z	O/L	-	O/L	PLD(EPM240T100C5N) control
23	P75	APLDSEL/TDI	O	C	-	-	-	Z	O/L	O/L	Z	PLD(EPM240T100C5N) control
24	P74	MTCK	O	C	-	-	-	Z	O/L	O/L	Z	PLD(EPM240T100C5N) control
25	P73/(CTS2)	ANALOG VIDEO POWER	O	C	-	-	-	Z	O/L	O/L	Z	Video components power control
26	P72/(CLK2)	DIGITAL (D/A) POWER	O	C	-	-	-	Z	Z	-	Z	Digital components power control
27	P71/RXD2/SCLMM	HSCL(400k)	I/O	N	-	-	Eu	Z	O/L	O/L	O/L	Interface between IP CONV(ABT1030)/HDMI RECEIVER(ADV7840)/HDMI TRANSMITTER1 (ADV7510) (1910/790 model)
27	P71/RXD2/SCLMM	HSCL(400k)	I/O	N	-	-	Eu	Z	O/L	O/L	O/L	Interface between HDMI RECEIVER(ADV7840)/HDMI TRANSMITTER1 (ADV7510) (1610/1620/590 model)
28	P70/TXD2/SDAMM	HSDA(400k)	I/O	N	-	-	Eu	Z	O/L	O/L	O/L	Interface between IP CONV(ABT1030)/HDMI RECEIVER(ADV7840)/HDMI TRANSMITTER1 (ADV7510) (1910/790 model)
28	P70/TXD2/SDAMM	HSDA(400k)	I/O	N	-	-	Eu	Z	O/L	O/L	O/L	Interface between HDMI RECEIVER(ADV7840)/HDMI TRANSMITTER1 (ADV7510) (1610/1620/590 model)
29	P67/TXD1	TXD	O	C	-	-	Eu	Z	-	-	Z	Interface between Main CPU and external i/o port
30	P66/RXD1	RXD	I	-	Lv	-	Eu	Z	-	-	Z	Interface between Main CPU and external i/o port
31	P65/(CLK1)	SW SUM	O	C	-	-	Ed	Z	-	O/L	Z	Subwoofer signal control
32	P64/(CTS1)	SYNCDET	I	-	Lv	-	-	Z	-	-	Z	Sync signal detect
33	P63/TXD0	SOMI	O	C	-	-	-	Z	-	-	Z	Interface between Main CPU and Sub CPU
34	P62/RXD0	SIMO	I	-	-	-	Ed	Z	-	-	Z	Interface between Main CPU and Sub CPU
35	P61/CLK0	CLK SIMO	I	-	-	-	Ed	Z	-	-	Z	Interface between Main CPU and Sub CPU
36	P60/(CTS0)	REQ SOMI	O	C	-	-	Ed	Z	-	-	Z	Interface between Main CPU and Sub CPU
37	P57	NC	O	C	-	-	-	Z	O/H	-	Z	
38	P56	HPD2	O	C	-	-	-	Z	O/L	-	Z	HDMI control (hot plug detect)
39	P55/EPM	EPM	O	C	-	-	Ed	Z	-	-	Z	Firmware update control
40	P54	CEC_OUT	O	C	-	-	-	Z	O/L	-	Z	CEC control
41	P53	MONI DIS	O	C	-	-	-	Z	O/L	O/L	Z	Copponent monitor out control
42	P52	DVR INH	O	C	-	-	-	Z	O/L	O/L	Z	Video recout control
43	P51	NC	O	C	-	-	-	Z	O/L	O/L	Z	
44	P50/CE	CE	O	C	-	-	Eu	Z	O/L	-	Z	Firmware update control
45	P47/(TXD7)/SDA7	COMP SW1	I/O	C	-	-	Eu	Z	O/L	-	O/L	Component selector control
46	P46/(RXD7)/SCL7	COMP SW2	I/O	C	-	-	Eu	Z	O/L	-	O/L	Component selector control
47	P45/(CLK7)	HPD1	O	C	-	-	Ed	Z	O/L	-	Z	HDMI control (hot plug detect)
48	P44	NC	O	C	-	-	-	Z	Z	-	Z	
49	P43	NC	O	C	-	-	-	Z	Z	-	Z	
50	P42	NC	O	C	-	-	Ed	Z	O/L	O/L	Z	
51	P41	CEC PWR	O	C	-	-	Ed	Z	O/L	O/L	Z	CEC components power control
52	P40	NC	O	C	-	-	-	Z	O/L	O/L	Z	
53	P37	HDMIR_RST	O	C	-	-	Eu	Z	O/H	-	Z	HDMI receiver (ADV7840) control
54	P36	1TX RST	O	C	-	-	Eu	Z	O/H	-	Z	HDMI transmitter (ADV7510) control
55	P35	NC	O	C	-	-	Ed	Z	O/L	O/L	Z	
56	P34	NC	I	-	Lv	-	Eu	Z	-	-	Z	
57	P33	NC	O	C	-	-	-	Z	Z	-	Z	
58	P32	SO CODECI	O	C	-	-	-	Z	O/L	O/L	Z	CODEC (ADAU1328) control
59	P31	CLK CODEC	O	C	-	-	-	Z	O/L	O/L	Z	CODEC (ADAU1328) control
60	VCC	VCC	-	-	-	-	-	-	-	-	-	+3.3V
61	P30	CE CODEC	O	C	-	-	-	Z	O/L	O/L	Z	CODEC (ADAU1328) control
62	VSS	VSS	-	-	-	-	-	-	-	-	-	GND
63	P27	CODEC RST	O	C	-	-	-	Z	O/H	O/H	Z	CODEC (ADAU1328) control
64	P26	DIG VIDEO POWER	O	C	-	-	-	Z	O/L	O/L	Z	Digital video components power control
65	P25/INT7	NC	I	-	Lv	-	-	Z	-	-	Z	
66	P24/INT6	1TX INT	I	-	Lv	-	.	Z	-	-	Z	HDMI control
67	P23	NC										
68	P22	VEXP STB	O	C	-	-	-	Z	O/L	O/L	Z	Extended i/o components (BU4094BCFV) control
69	P21	VEXP OE	O	C	-	-	Ed	Z	O/L	O/L	Z	Extended i/o components (BU4094BCFV) control
70	P20	VEXP CLK	O	C	-	-	-	Z	O/L	O/L	Z	Extended i/o components (BU4094BCFV) control

Pin	PIN	PIN NAME	I/O	Type	Det	Op (in)	Op(ex)	Res	PURE D	CEC STBY	P.O.F	Function
71	P17/INT5	ADVINT1	I	-	E↓ & L	-	-	Z	-	-	Z	HDMI receiver(ADV7840) control
72	P16/INT4	ADVINT2	I	-	E↓ & L	-	-	Z	-	-	Z	HDMI receiver(ADV7840) control
73	P15/INT3	ADVINT3	I	-	E↓ & L	-	-	Z	-	-	Z	HDMI receiver(ADV7840) control
74	P14	OSD SEL	O	C	-	-	Eu	Z	-	-	Z	OSD control
75	P13/TXD6	DSP MOSI	O	C	-	-	Eu	Z	O/L	O/L	Z	DSP(ADSP-21367-333) control
76	P12/RXD6	DSP MISO	I	-	-	-	Eu	Z	-	-	Z	DSP(ADSP-21367-333) control
77	P11/CLK6	DSPCLK	O	C	-	-	Eu	Z	O/L	O/L	Z	DSP(ADSP-21367-333) control
78	P10	Z1VSIGDET	I	-	Lv	-	Eu	Z	-	-	Z	Video signal detect
79	P07	PLD WRITE	O	C	-	-	-	Z	O/L	O/L	Z	PLD(EPM240T100C5N) firmware update control
80	P06	PLDCE/TDO	O	C	-	-	Ed	Z	O/L	O/L	Z	PLD(EPM240T100C5N) firmware update control (1910/790 model 9)
80	P06	NC	O	C	-	-	Ed	Z	O/L	O/L	Z	(1610/1620/590 model)
81	P05	HPD3	O	C	-	-	-	Z	O/L	-	Z	HDMI control (hot plug detect)
82	P04	HPD4	O	C	-	-	-	Z	O/L	-	Z	HDMI control (hot plug detect)
83	P03	DIR INT	I	-	Lv	-	Eu	Z	-	-	Z	DIR(LC89058W-VF4A) control
84	P02	NC	O	C	-	-	-	Z	Z	-	Z	
85	P01	NC	O	C	-	-	-	Z	Z	-	Z	
86	P00	DIR RST1	O	C	-	-	-	Z	O/L	O/L	O/L	DIR(LC89058W-VF4A) control
87	P107/(AN7)	DSP RST	O	C	-	-	-	Z	O/L	O/L	Z	DSP(ADSP-21367-333) control
88	P106/(AN6)	NC	O	C	-	-	-	Z	O/L	O/L	Z	
89	P105/(AN5)	DSP ROMRST	O	C	-	-	Ed	Z	O/L	O/L	Z	Memory for DSP control
90	P104/(AN4)	COMPS DET	I	-	Lv	-	Eu	Z	-	-	Z	Component video signal detect
91	P103/(AN3)	DSP FLAG0	I	-	Lv	-	Ed	Z	-	-	Z	DSP(ADSP-21367-333)control
92	P102/(AN2)	DSPICS	O	C	-	-	Eu	Z	O/L	O/L	Z	DSP(ADSP-21367-333) control
93	P101/(AN1)	DSP FLAG1	I	-	Lv	-	Ed	Z	-	-	Z	DSP(ADSP-21367-333) control
94	AVSS	AVSS	-	-	-	-	-	-	-	-	-	GND
95	P100/(AN0)	NC	O	C	-	-	-	Z	O/L	O/L	Z	
96	VREF	VREF	-	-	-	-	-	-	-	-	-	+3.3V
97	AVCC	AVCC	-	-	-	-	-	-	-	-	-	+3.3V
98	P97/(SIN4)	NC	O	C	-	-	Eu	Z	O/L	O/L	Z	
99	P96/(SOUT4)	NC	O	C	-	-	Eu	Z	O/L	O/L	Z	
100	P95/(CLK4)	VEXP DIN	O	C	-	-	-	Z	O/L	O/L	Z	Extended i/o components (BU4094BCFV) control

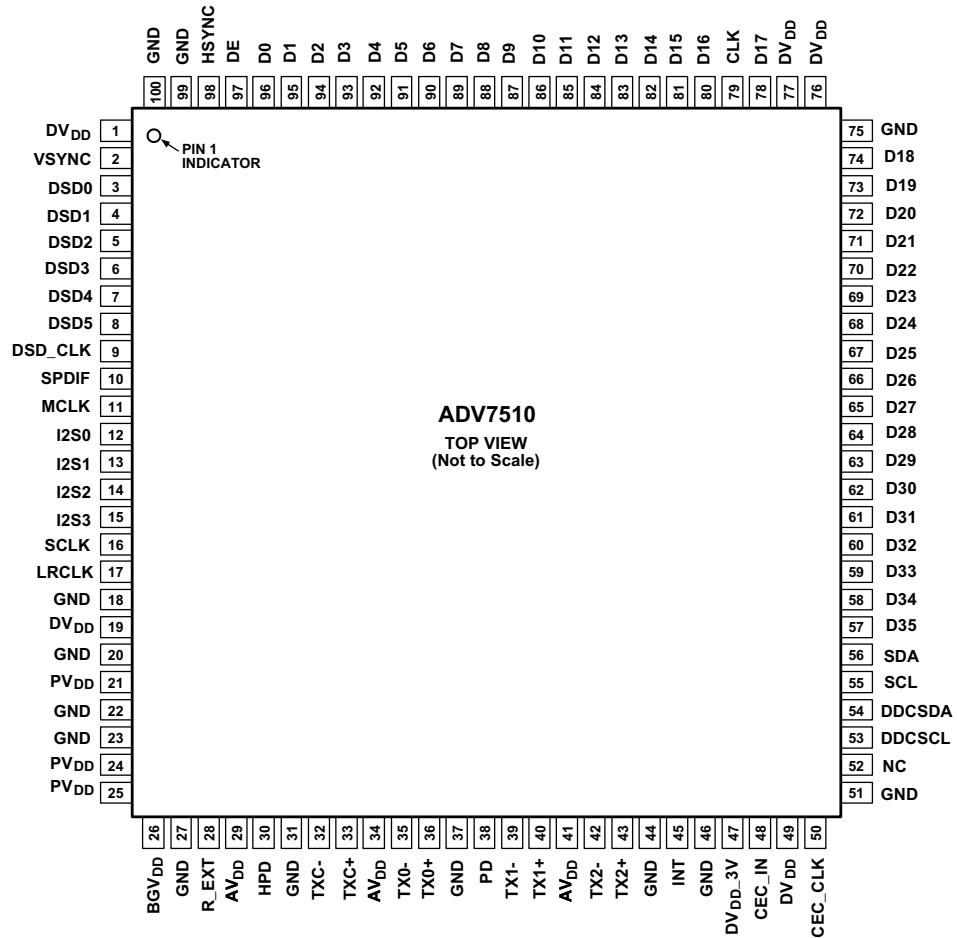
## ADSP-21367 (IC10)



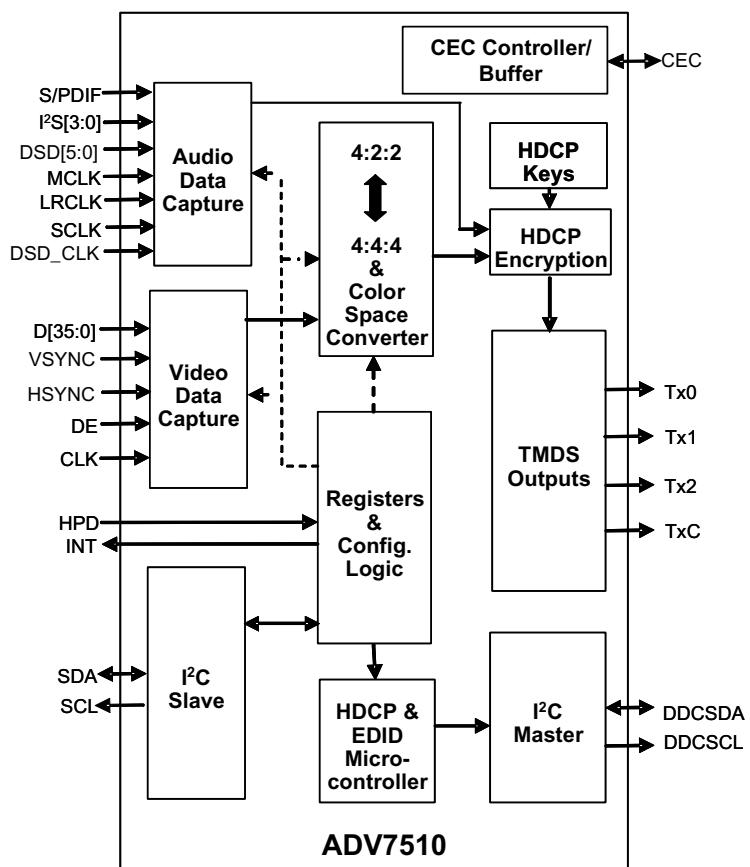
## ADSP-21367 Terminal Function

Pin No.	Signal						
1	VDD	53	VDD	105	VDD	157	VDD
2	DATA28	54	GND	106	GND	158	VDD
3	DATA27	55	IOVDD	107	IOVDD	159	GND
4	GND	56	ADDR0	108	SDCAS	160	VDD
5	IOVDD	57	ADDR2	109	SDRAS	161	VDD
6	DATA26	58	ADDR1	110	SDCKE	162	VDD
7	DATA25	59	ADDR4	111	SDWE	163	TDI
8	DATA24	60	ADDR3	112	WR	164	TRST
9	DATA23	61	ADDR5	113	SDA10	165	TCK
10	GND	62	GND	114	GND	166	GND
11	VDD	63	VDD	115	IOVDD	167	VDD
12	DATA22	64	GND	116	SDCLK0	168	TMS
13	DATA21	65	IOVDD	117	GND	169	CLK_CFG0
14	DATA20	66	ADDR6	118	VDD	170	BOOTCFG0
15	IOVDD	67	ADDR7	119	RD	171	CLK_CFG1
16	GND	68	ADDR8	120	ACK	172	EMU
17	DATA19	69	ADDR9	121	FLAG3	173	BOOTCFG1
18	DATA18	70	ADDR10	122	FLAG2	174	TDO
19	VDD	71	GND	123	FLAG1	175	DAI4
20	GND	72	VDD	124	FLAG0	176	DAI2
21	DATA17	73	GND	125	DAI20	177	DAI3
22	VDD	74	IOVDD	126	GND	178	DAI1
23	GND	75	ADDR11	127	VDD	179	IOVDD
24	VDD	76	ADDR12	128	GND	180	GND
25	GND	77	ADDR13	129	IOVDD	181	VDD
26	DATA16	78	GND	130	DAI19	182	GND
27	DATA15	79	VDD	131	DAI18	183	DPI14
28	DATA14	80	AVSS	132	DAI17	184	DPI13
29	DATA13	81	AVDD	133	DAI16	185	DPI12
30	DATA12	82	GND	134	DAI15	186	DPI11
31	IOVDD	83	CLKIN	135	DAI14	187	DPI10
32	GND	84	XTAL2	136	DAI13	188	DPI9
33	VDD	85	IOVDD	137	DAI12	189	DPI8
34	GND	86	GND	138	VDD	190	DPI7
35	DATA11	87	VDD	139	IOVDD	191	IOVDD
36	DATA10	88	ADDR14	140	GND	192	GND
37	DATA9	89	GND	141	VDD	193	VDD
38	DATA8	90	IOVDD	142	GND	194	GND
39	DATA7	91	ADDR15	143	DAI11	195	DPI6
40	DATA6	92	ADDR16	144	DAI10	196	DPI5
41	IOVDD	93	ADDR17	145	DAI8	197	DPI4
42	GND	94	ADDR18	146	DAI9	198	DPI3
43	VDD	95	GND	147	DAI6	199	DPI1
44	DATA4	96	IOVDD	148	DAI7	200	DPI2
45	DATA5	97	ADDR19	149	DAI5	201	CLKOUT
46	DATA2	98	ADDR20	150	IOVDD	202	RESET
47	DATA3	99	ADDR21	151	GND	203	IOVDD
48	DATA0	100	ADDR23	152	VDD	204	GND
49	DATA1	101	ADDR22	153	GND	205	DATA30
50	IOVDD	102	MS1	154	VDD	206	DATA31
51	GND	103	MS0	155	GND	207	DATA29
52	VDD	104	VDD	156	VDD	208	VDD

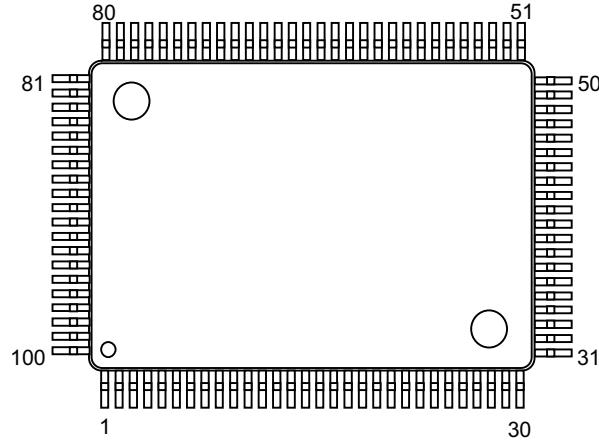
## ADV7510 (IC5)



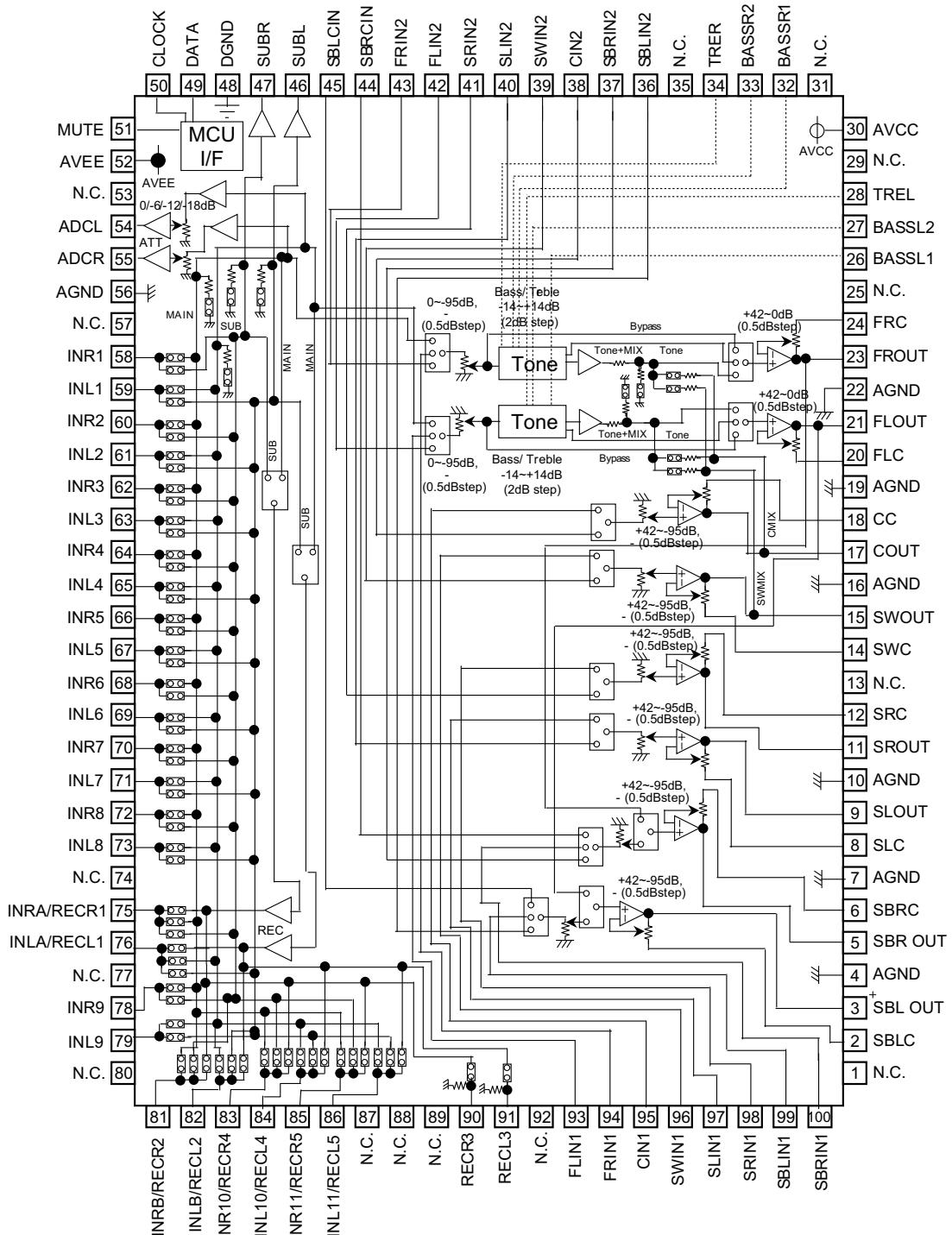
## ADV7510 Block Diagram



## R2A15218FP (IC1504)



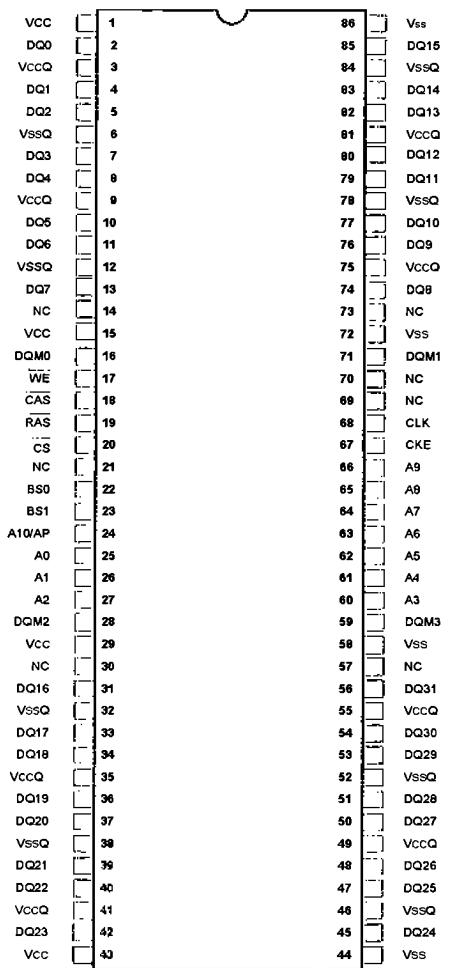
## R2A15218FP Block Diagram



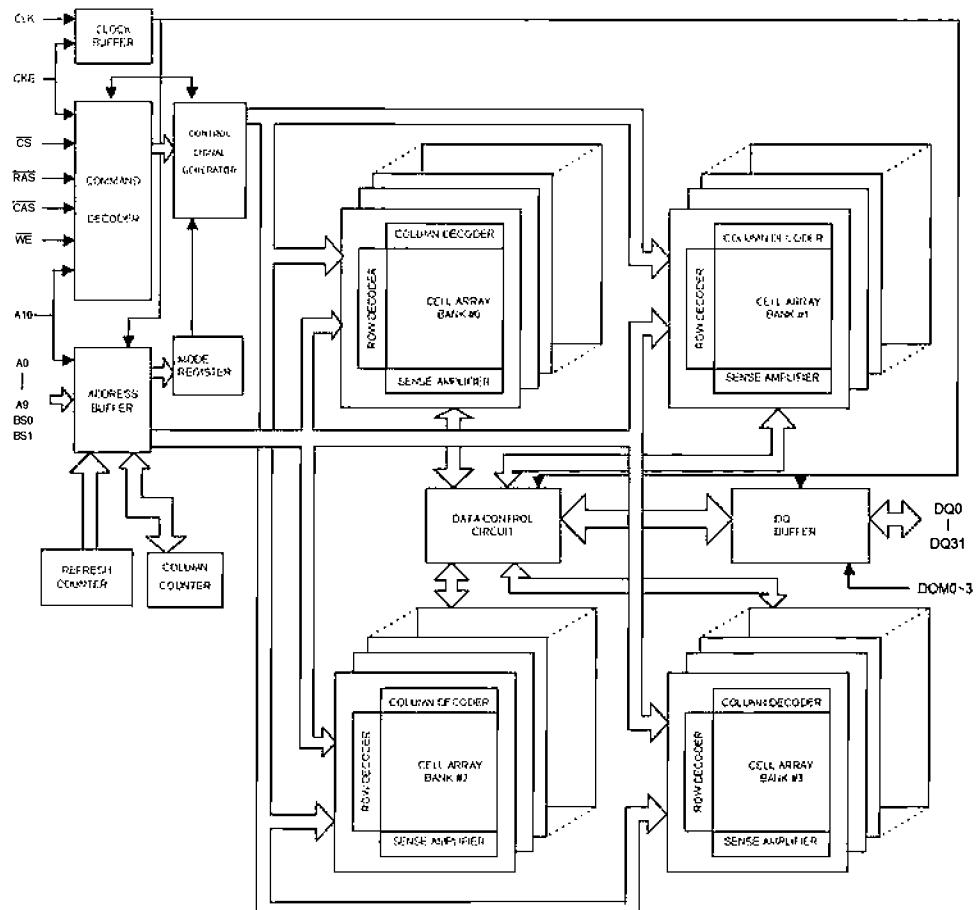
## R2A15218FP Terminal Function

PIN No.	Name	Function
23,21, 17,15, 11,9, 5,3	FROUT,FLO UT, COUT,SWOUT, SROUT, SLO UT, SBROUT,SBLOUT	Output pin of FL/ FR/C/SW/SL/ SR/SBL/ SBR channel
24,20, 18,14, 12,8, 6,2	FRC,FLC, CC,SWC, SRC,SLC, SBRC,SBL C	Connects capacitor for reducing click noise of L/R/C/SW/SL/SR/SBL/ SBR channel volume
4,7,10,16, 19,22,56	AGND	Analog ground of internal circuit
28,34	TREL, TREL R	Frequency characteristic setting pin of L/R channel tone control (Treble)
26,27, 32,33	BA SSL1,BA SSL2 BASSR1,BASSR2	Frequency characteristic setting pin of L/R channel tone control (Bass)
30	AVCC	Positive power supply to internal circuit
43,42, 41,40, 39,38, 37,36	FRIN2,FLIN2, SRN2,SLIN2, SWIN2,CIN2 , SBRIN2,SBLIN2	Input pin of L/R /C/SW/SL/ SR/SBL /SBR channel (Multi IN 1/2)
93,94, 95,96, 97,98, 99,100	FLIN1, F RIN1, CIN1,SWIN1 , SLIN1,S RIN1, SBLIN1,S BRIN1	
48	DGND	Digital ground of internal circuit
49	DATA	Input pin of control data
50	CLOCK	Input pin of control clock
52	AVEE	Negative power supply to internal circuit
59,61,63, 65,67,69, 71,73,79	INL1, INL2, I NL3, INL4, INL5,INL6, INL7, INL8,INL9	Input pin of L/R channel ( Input Selector)
58,60,62, 64,66,68, 70,72,78	INR1,INR2, I NR3, INR4,INR5,I NR6, INR7,INR8,I NR9	
51	MUTE	Outside Mute Control PIN
44,45	SBRCIN,SBL CIN	Input pin for S BL/SBR channel Volume
46,47	SUBL,SUBR	Output pin for L/R channel SUB Output
54,55	ADCL, ADCR	Output pin for L/R channel ADC
90,91	RECR3,RECL3	Output pin for L/R channel REC Output
75,76, 81,82, 83,84, 85,86	INRA/RECR1,INLA/RECL1, INRB/REC R2,INLB/ RECL2, INR10/RECR4,I NL10/RECL4, INR11/RECR5,I NL11/RECL5	Input pin of L/R channel ( Input Selector)/ Output pin for L/R channel REC Output
1,13,25,29,31, 35,53, 57,74,77,80, 87,88,89,92	N.C.	No Connected PIN

## W9864G2GH (IC8)



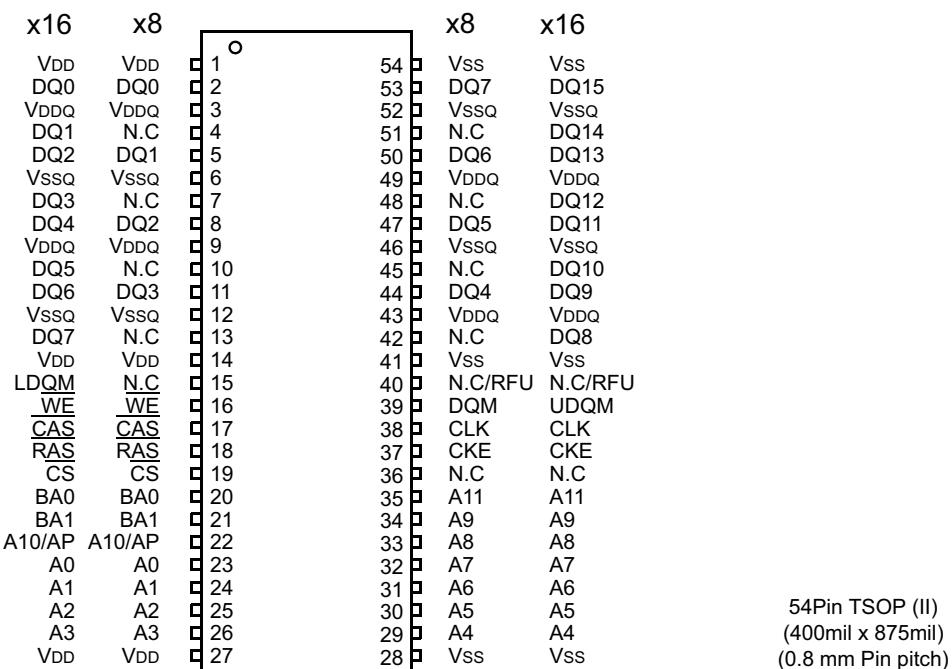
## W9864G2GH Block Diagram



## W9864G2GH-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	CS	Chip Select	Disable or enable the command decoder. When command decoder is disabled, new command is ignored and previous operation continues.
19	RAS	Row Address Strobe	Command input. When sampled at the rising edge of the clock RAS, CAS and WE define the operation to be executed.
18	CAS	Column Address Strobe	Referred to RAS
17	WE	Write Enable	Referred to 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	Vcc	Power	Power for input buffers and logic circuit inside DRAM.
44, 58, 72, 86	Vss	Ground	Ground for input buffers and logic circuit inside DRAM.
3, 9, 35, 41, 49, 55, 75, 81	VCCQ	Power for I/O Buffer	Separated power from VCC, to improve DQ noise immunity.
6, 12, 32, 38, 46, 52, 78, 84	VSSQ	Ground for I/O Buffer	Separated ground from VSS, to improve DQ noise immunity.
14, 21, 30, 57, 69, 70, 73	NC	No Connection	No connection.(The NC pin must connect to ground or floating.)

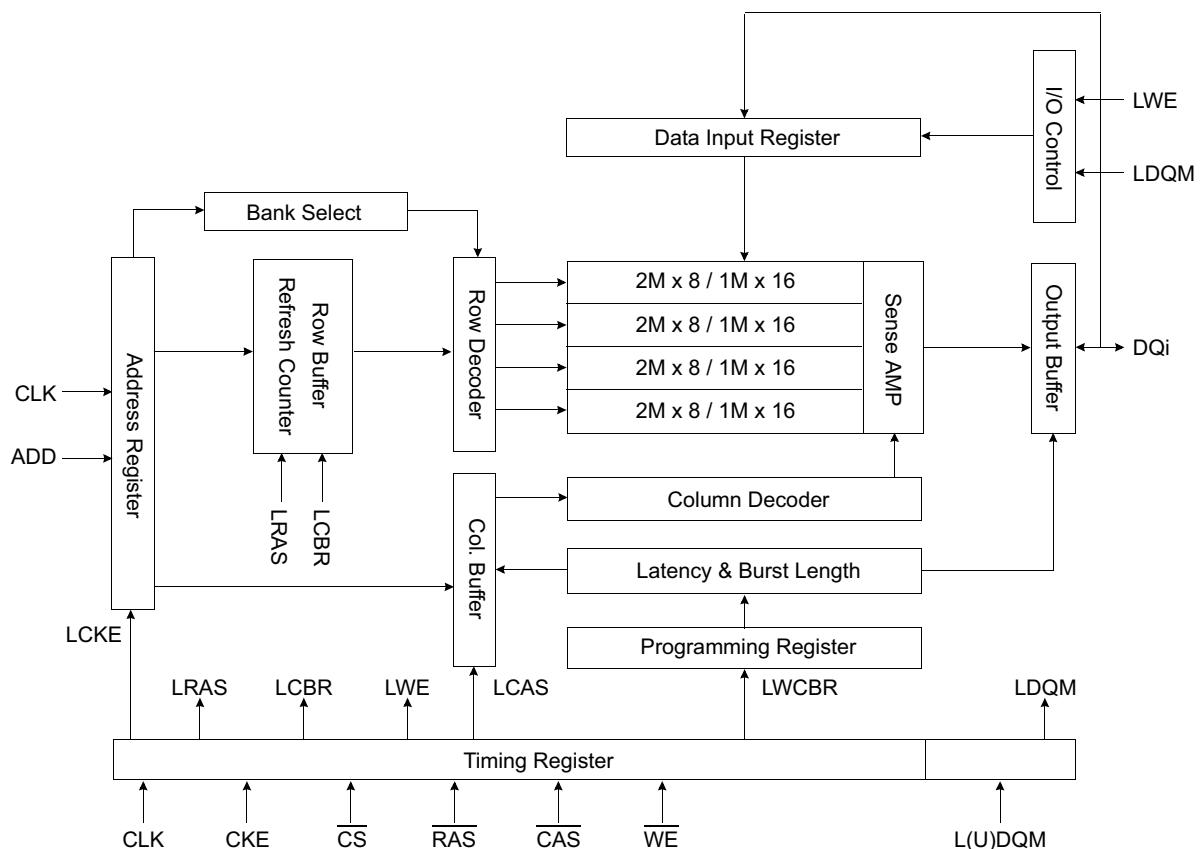
## K4S641632K (IC30 : for AVR-1910)



### PIN FUNCTION DESCRIPTION

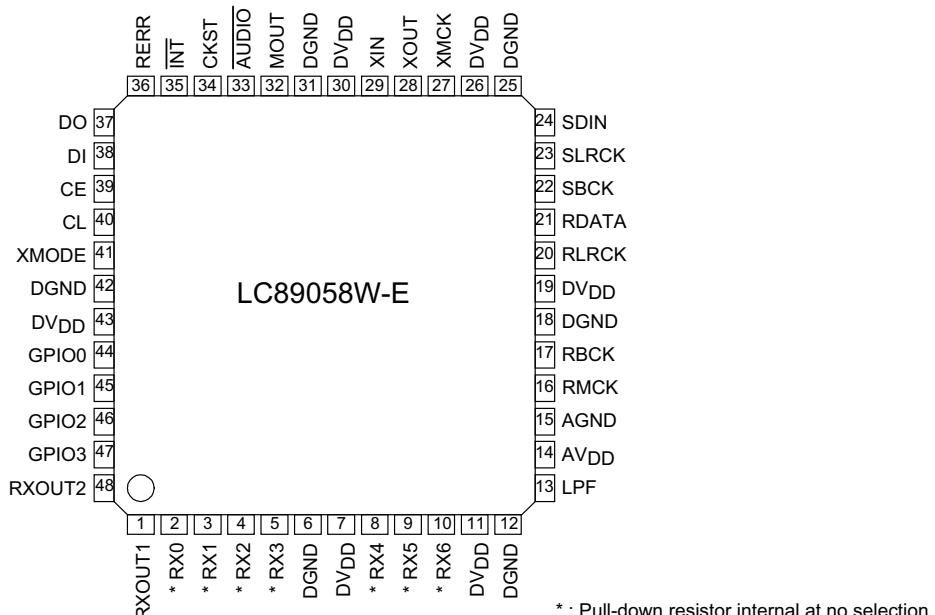
Pin	Name	Input Function
CLK	System clock	Active on the positive going edge to sample all inputs.
CS	Chip select	Disables or enables device operation by masking or enabling all inputs except CLK, CKE and DQM
CKE	Clock enable	Masks system clock to freeze operation from the next clock cycle. CKE should be enabled at least one cycle prior to new command. Disable input buffers for power down in standby.
A0 ~ A11	Address	Row/column addresses are multiplexed on the same pins. Row address : RA0 ~ RA11, Column address : (x8 : CA0 ~ CA8 , x16 : CA0 ~ CA7)
BA0 ~ BA1	Bank select address	Selects bank to be activated during row address latch time. Selects bank for read/write during column address latch time.
RAS	Row address strobe	Latches row addresses on the positive going edge of the CLK with RAS low. Enables row access & precharge.
CAS	Column address strobe	Latches column addresses on the positive going edge of the CLK with CAS low. Enables column access.
WE	Write enable	Enables write operation and row precharge. Latches data in starting from CAS, WE active.
DQM	Data input/output mask	Makes data output Hi-Z, tSHZ after the clock and masks the output. Blocks data input when DQM active.
DQ0 ~ N	Data input/output	Data inputs/outputs are multiplexed on the same pins. (x8 : DQ0 ~ 7), (x16 : DQ0 ~ 15)
VDD/Vss	Power supply/ground	Power and ground for the input buffers and the core logic.
VDDQ/VSSQ	Data output power/ground	Isolated power supply and ground for the output buffers to provide improved noise immunity.
N.C/RFU	No connection /reserved for future use	This pin is recommended to be left No Connection on the device.

## K4S641632K Block Diagram



\* Samsung Electronics reserves the right to change products or specification without notice.

## LC89058W (IC14)



### Pin Functions

Pin No.	Name	I/O	Function
1	RXOUT1	O	RX0-6 input S/PDIF through output pin 1
2	RX0	I <sub>S</sub> (pd)	5V withstand voltage TTL input level compatible S/PDIF input pin (connected to GND when RX1 is set)
3	RX1	I <sub>S</sub> (pd)	Co-axial compatible S/PDIF input pin (supported demodulation sampling frequency of up to 96kHz)
4	RX2	I <sub>S</sub> (pd)	5V withstand voltage TTL input level compatible S/PDIF input pin (connected to GND when RX1 is set)
5	RX3	I <sub>S</sub> (pd)	5V withstand voltage TTL input level compatible S/PDIF input pin
6	DGND		Digital GND
7	DV <sub>DD</sub>		Digital power supply (3.3V)
8	RX4	I <sub>S</sub> (pd)	5V tolerable TTL input level compatible S/PDIF input pin
9	RX5	I <sub>S</sub> (pd)	5V tolerable TTL input level compatible S/PDIF input pin
10	RX6	I <sub>S</sub> (pd)	5V tolerable TTL input level compatible S/PDIF input pin
11	DV <sub>DD</sub>		Digital power supply (3.3V)
12	DGND		Digital GND
13	LPF	O	PLL loop filter connection pin
14	AV <sub>DD</sub>		Analog power supply (3.3V)
15	AGND		Analog GND
16	RMCK	O	R system clock output pin (VCO, 512fs, XIN)
17	RBCK	O/I	R system bit clock I/O pin (64fs)
18	DGND		Digital GND
19	DV <sub>DD</sub>		Digital power supply (3.3V)
20	RLRCK	O/I	R system LR clock I/O pin (fs)
21	RDATA	O	Serial audio data output pin
22	SBCK	O	S system bit clock output pin (16fs, 32fs, 64fs, 128fs)
23	SLRCK	O	S system LR clock output pin (fs/4, fs/2, fs, 2fs)
24	SDIN	I <sub>S</sub>	External serial audio data input pin

Pin No.	Name	I/O	Function
25	DGND		Digital GND
26	DV <sub>DD</sub>		Digital power supply (3.3V)
27	XMCK	O	Oscillation amplifier clock output pin
28	XOUT	O	Output pin connected to the resonator
29	XIN	I	External clock input pin, connected to the resonator (12.288MHz/24.576MHz)
30	DV <sub>DD</sub>		Digital power supply
31	DGND		Digital GND
32	MOUT	I/O	Emphasis information    Input fs monitor output    Chip address setting input pin
33	AUDIO	I/O	Channel status bit 1 output    Chip address setting input pin
34	CKST	I/O	Clock switching transition period signal output    Master/slave setting input pin
35	INT	I/O	Microcontroller interrupt signal output    Pins44-48 I/O setting input pin
36	RERR	O	PLL lock error, data error flag output pin
37	DO	O	CCB microcontroller I/F, read data output pin (3-state)
38	DI	I <sub>5</sub>	CCB microcontroller I/F, write data input pin
39	CE	I <sub>5</sub>	CCB microcontroller I/F, chip enable input pin
40	CL	I <sub>5</sub>	CCB microcontroller I/F, clock input pin
41	XMODE	I <sub>5</sub>	System reset input pin
42	DGND		Digital GND
43	DV <sub>DD</sub>		Digital power supply (3.3V)
44	GPIO0	O/I	General-purpose I/O pin    Selector input pin (output referred to RDATA pin)
45	GPIO1	O/I	General-purpose I/O pin    Selector input pin (output referred to RLRCK pin)
46	GPIO2	O/I	General-purpose I/O pin    Selector input pin (output referred to RBCK pin)
47	GPIO3	O/I	General-purpose I/O pin    Selector input pin (output referred to RMCK pin)
48	RXOUT2	O	RX0-6 input S/PDIF through output pin 2

\* Input voltage: I= -0.3 to 3.6V, I<sub>5</sub> = -0.3 to 5.5V

\* Output voltage: O= -0.3 to 3.6V

\* Pins 2, 4, 5, 8, 9, 10, 24, 38, 39, 40, and 41 have an internal pull-down resistor (pd).

Their level is fixed when they are unselected.

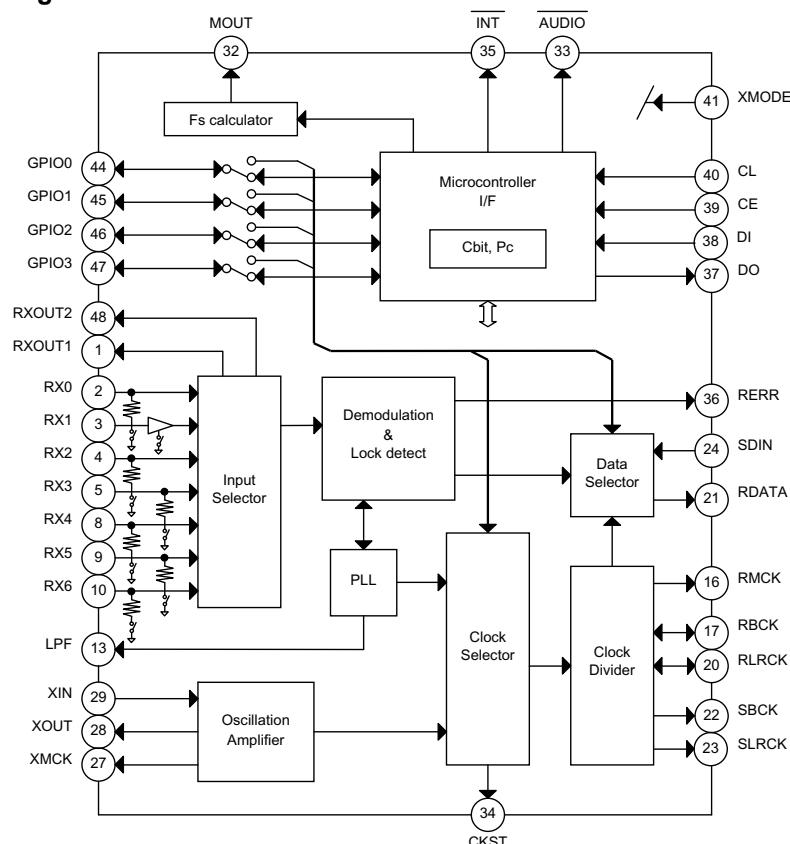
\* Pins 32 and 33 are input pins for chip address setting when pin 41 is held at the low level.

\* Pin 34 serves as the input pin for designating as the master or slave when pin 41 is held at the low level.

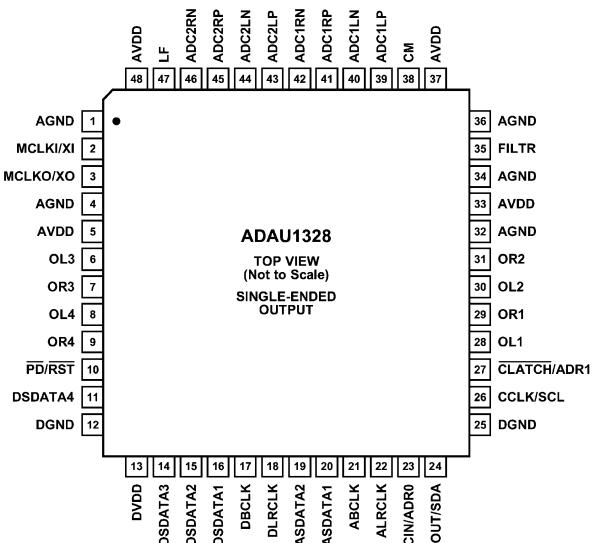
\* Pin 35 serves as the input pin for configuring the I/O of pins 44 to 47 when pin 41 is held at the low level.

\* The DV<sub>DD</sub> and AV<sub>DD</sub> pins must be held at the same level and turned on and off at the same timing to preclude Latch-up conditions.

## LC89058W Block Diagram

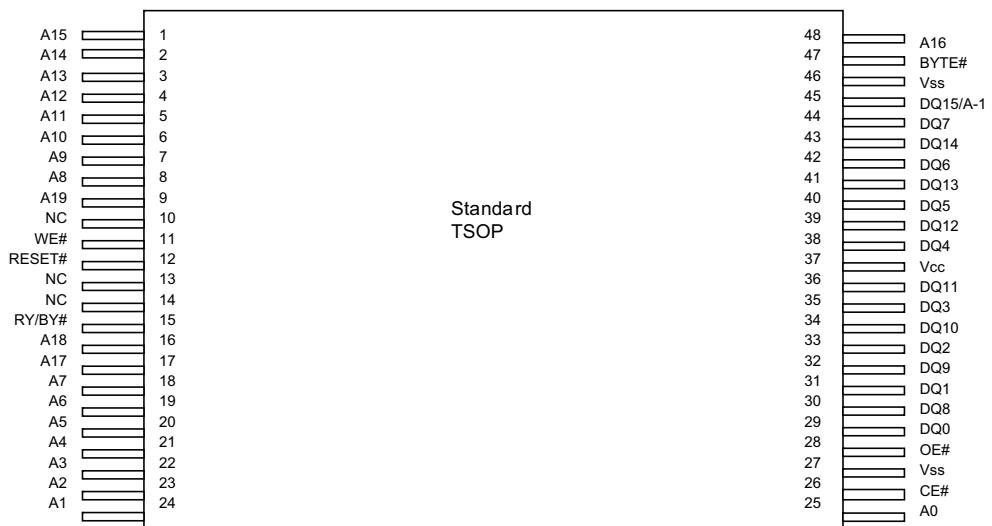


## ADAU1328 (IC13)

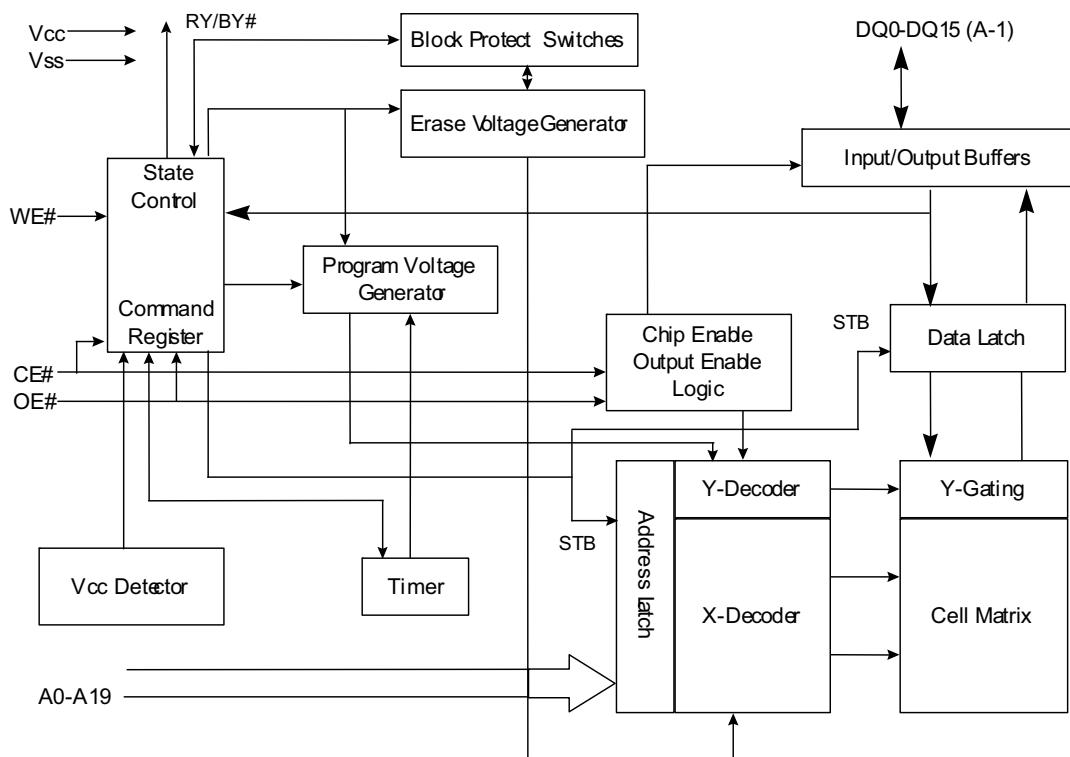


Pin No.	In/Out	Mnemonic	Description
1	I	AGND	Analog Ground.
2	I	MCLKI/XI	Master Clock Input/Crystal Oscillator Input.
3	O	MCLKO/XO	Master Clock Output/Crystal Oscillator Output.
4	I	AGND	Analog Ground.
5	I	AVDD	Analog Power Supply. Connect to analog 3.3 V supply.
6	O	OL3	DAC 3 Left Output.
7	O	OR3	DAC 3 Right Output.
8	O	OL4	DAC 4 Left Output.
9	O	OR4	DAC 4 Right Output.
10	I	PD/RST	Power-Down Reset (Active Low).
11	I/O	DSDATA4	DAC Input 4 (Input to DAC 4 L and R)/DAC TDM Data Out 2/AUX ADC 1 Data In.
12	I	DGND	Digital Ground.
13	I	DVDD	Digital Power Supply. Connect to digital 3.3 V supply.
14	I/O	DSDATA3	DAC Input 3 (Input to DAC 3 L and R)/DAC TDM Data In 2/AUX DAC 2 Data Output.
15	I/O	DSDATA2	DAC Input 2 (Input to DAC 2 L and R)/DAC TDM Data Out 1/AUX ADC 1 Data In.
16	I	DSDATA1	DAC Input 1 (Input to DAC 1 L and R)/DAC TDM Data In 1/AUX ADC 2 Data In.
17	I/O	DBCLK	Bit Clock for DACs.
18	I/O	DLRCLK	LR Clock for DACs.
19	I/O	ASDATA2	ADC Serial Data Output 2 (ADC 2 L and R)/ADC TDM Data Input/AUX DAC 1 Data Output.
20	O	ASDATA1	ADC Serial Data Output 1 (ADC 1 L and R)/ADC TDM Data Output.
21	I/O	ABCLK	Bit Clock for ADCs.
22	I/O	ALRCLK	LR Clock for ADCs.
23	I	CIN/ADRO	Control Data Input (SPI).
24	I/O	COUT/SDA	Control Data Output (SPI).
25	I	DGND	Digital Ground.
26	I	CCLK/SCL	Control Clock Input (SPI).
27	I	CLATCH/ADR1	Latch Input for Control Data (SPI).
28	O	OL1	DAC 1 Left Output.
29	O	OR1	DAC 1 Right Output.
30	O	OL2	DAC 2 Left Output.
31	O	OR2	DAC 2 Right Output.
32	I	AGND	Analog Ground.
33	I	AVDD	Analog Power Supply. Connect to analog 3.3 V supply.
34	I	AGND	Analog Ground.
35	O	FILTR	Voltage Reference Filter Capacitor Connection. Bypass with 10 $\mu$ F  100 nF to AGND.
36	I	AGND	Analog Ground.
37	I	AVDD	Analog Power Supply. Connect to analog 3.3 V supply.
38	O	CM	Common-Mode Reference Filter Capacitor Connection. Bypass with 47 $\mu$ F  100 nF to AGND.
39	I	ADC1LP	ADC1 Left Positive Input.
40	I	ADC1LN	ADC1 Left Negative Input.
41	I	ADC1RP	ADC1 Right Positive Input.
42	I	ADC1RN	ADC1 Right Negative Input.
43	I	ADC2LP	ADC2 Left Positive Input.
44	I	ADC2LN	ADC2 Left Negative Input.
45	I	ADC2RP	ADC2 Right Positive Input.
46	I	ADC2RN	ADC2 Right Negative Input.
47	O	LF	PLL Loop Filter. Return to AVDD.
48	I	AVDD	Analog Power Supply. Connect to analog 3.3 V supply.

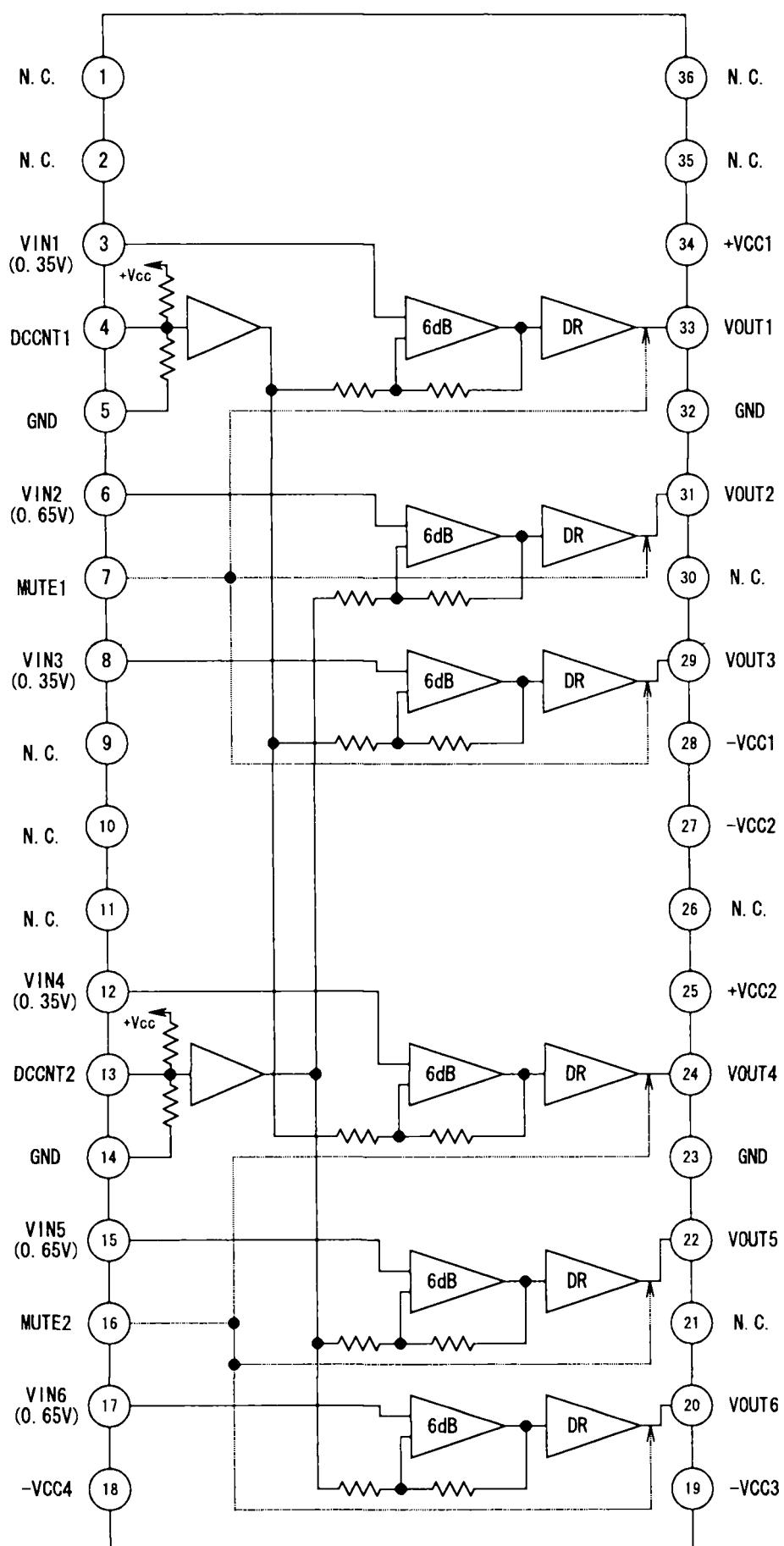
## EN29LV160AB-70TI (IC9)

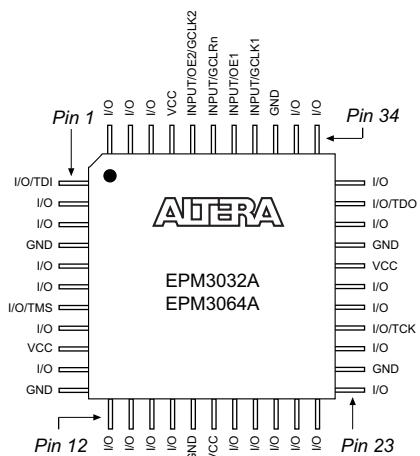
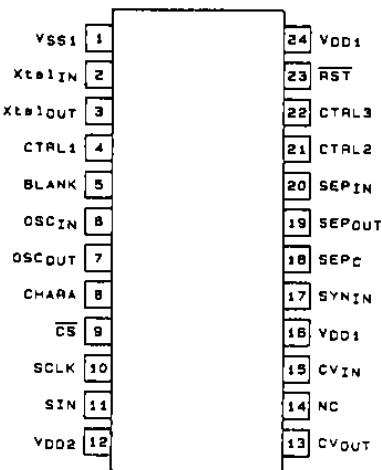
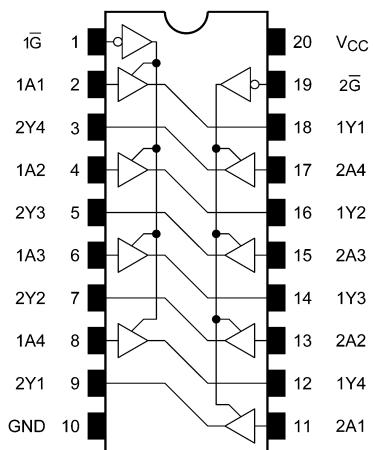
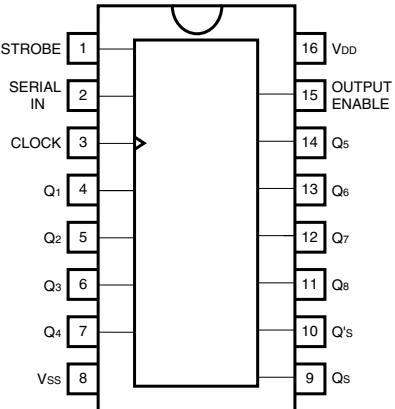
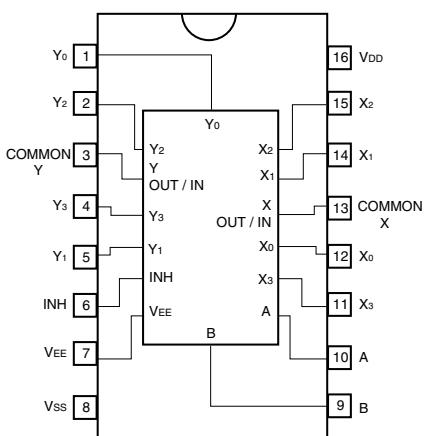
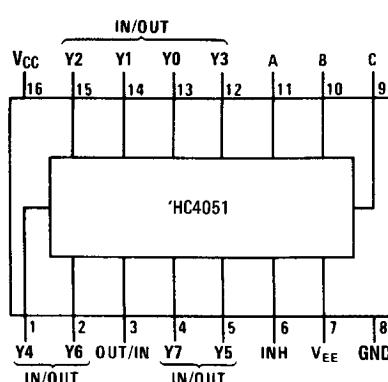


Block Diagram



## LA73053 (IC1901)



**EPM3032A-TC44 (IC34)****LC74781 (IC1905)****SN74LVC244APW (IC33)****BU4094BCF (IC1908, 1909)****BU4052 (IC2000, 2001 : AVC model)****MM74HC4051 (IC1906)**

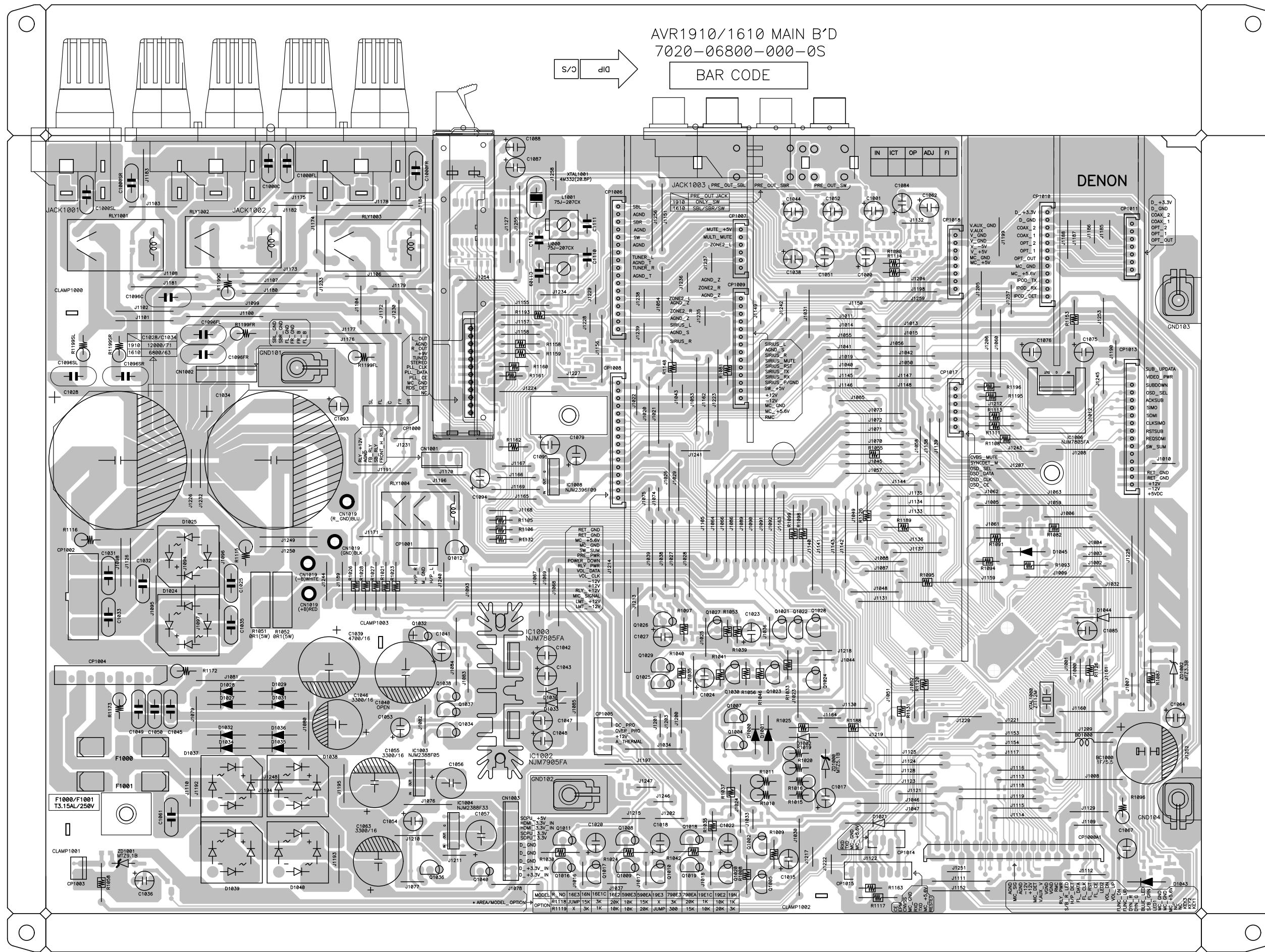
Inh	Input				"ON" Channel
	C	B	A		
H	X	X	X		None
L	L	L	L		Y0
L	L	L	H		Y1
L	L	H	L		Y2
L	L	H	H		Y3
L	H	L	L		Y4
L	H	L	H		Y5
L	H	H	L		Y6
L	H	H	H		Y7



## ANODE CONNECTION

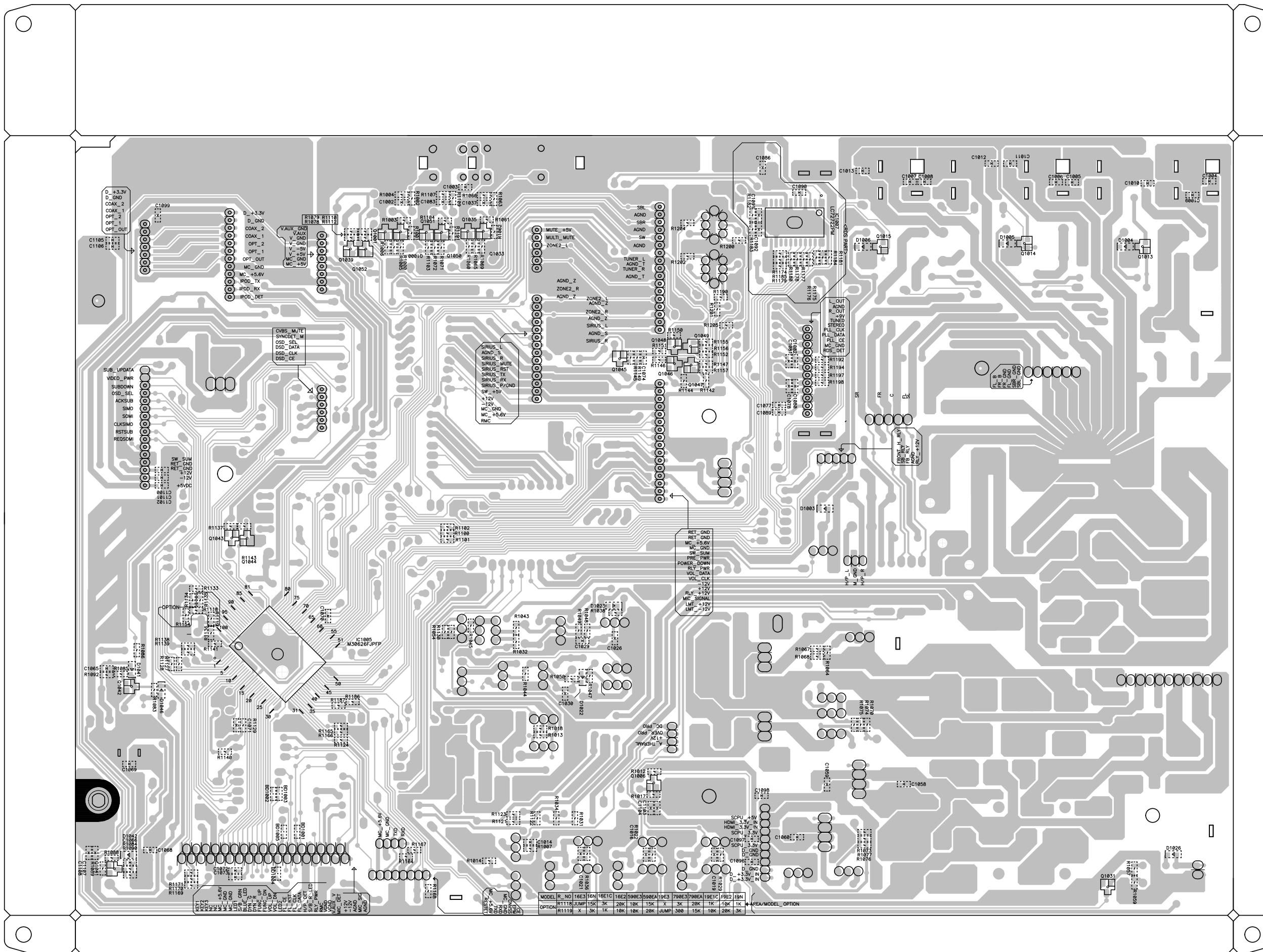
	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	12G	13G	14G	15G	16G	17G	18G	
D0	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	S1	PCM	
D1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	3d	AAC	
D2	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	2d	S2	
D3	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	3e	EQ	
D4	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	2e	VOL	
D5	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	3c	DYN	
D6	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2c	XT	
D7	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3g	MULTEQ	
D8	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	2g	AUDYSSEY	
D9	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	3f	X	
D10	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	2f	II	
D11	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	3b	PL	
D12	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	2b	DD <sub>(PL)</sub>	
D13	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	3a	+	
D14	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	2a	MASTER	
D15	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	Dp	RDS	
D16	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	dB	AUTO	
D17	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	1d	TUNED	
D18	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	1e	STEREO	
D19	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	1c	Neo:6	
D20	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1g	HD	
D21	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	1f	dts	
D22	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	1b	-	
D23	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	1a	-	
D24	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	SP-	-	
D25	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	A	-	
D26	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	B	-	
D27	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	Z2	-	
D28	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	Q1	-	
D29	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	Q2	-	
D30	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	Q3	-	
D31	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	-	-	
D32	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	-	-	
D33	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	-	DIG.	
D34	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	-	ANA.	
AD1	-	-	-	-	-	-	<b>AUTO</b>	-	<b>HDMI</b>	<b>DVI</b>	<b>AV</b>	<b>AV</b>	<b>AV</b>	<b>AV</b>	<b>AV</b>	-	MUTE	-	DIGITAL
AD2	-	-	-	-	-	-	<b>HDMI</b>	-	<b>RSTR</b>	<b>REC</b>	-	<b>BACK</b>	-	-	-	<b>SLEEP</b>	-	DIGITAL	

**PRINTED WIRING BOARDS**  
**PCB MAIN ASS'Y (1/2)**

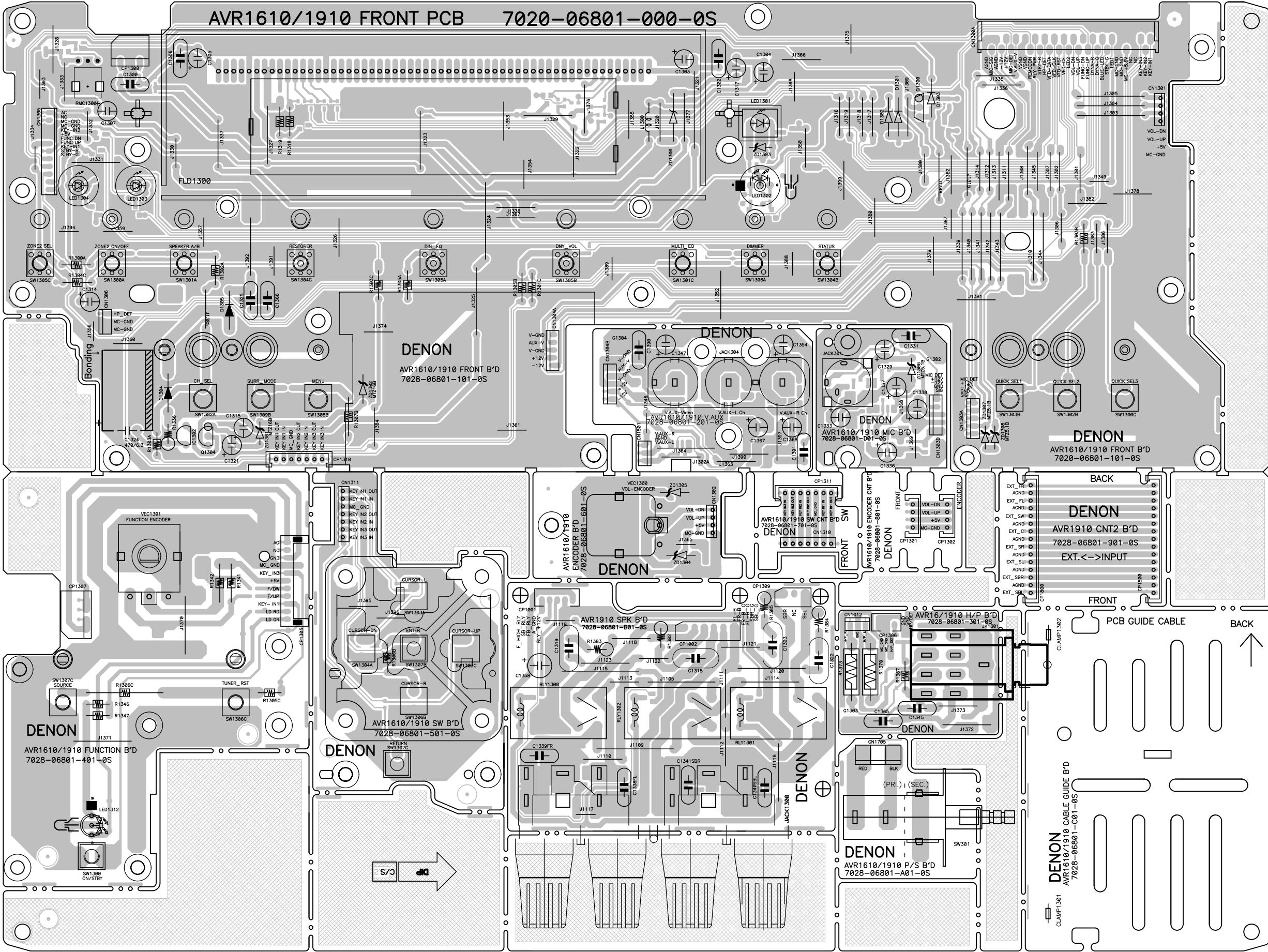


COMPONENT SIDE

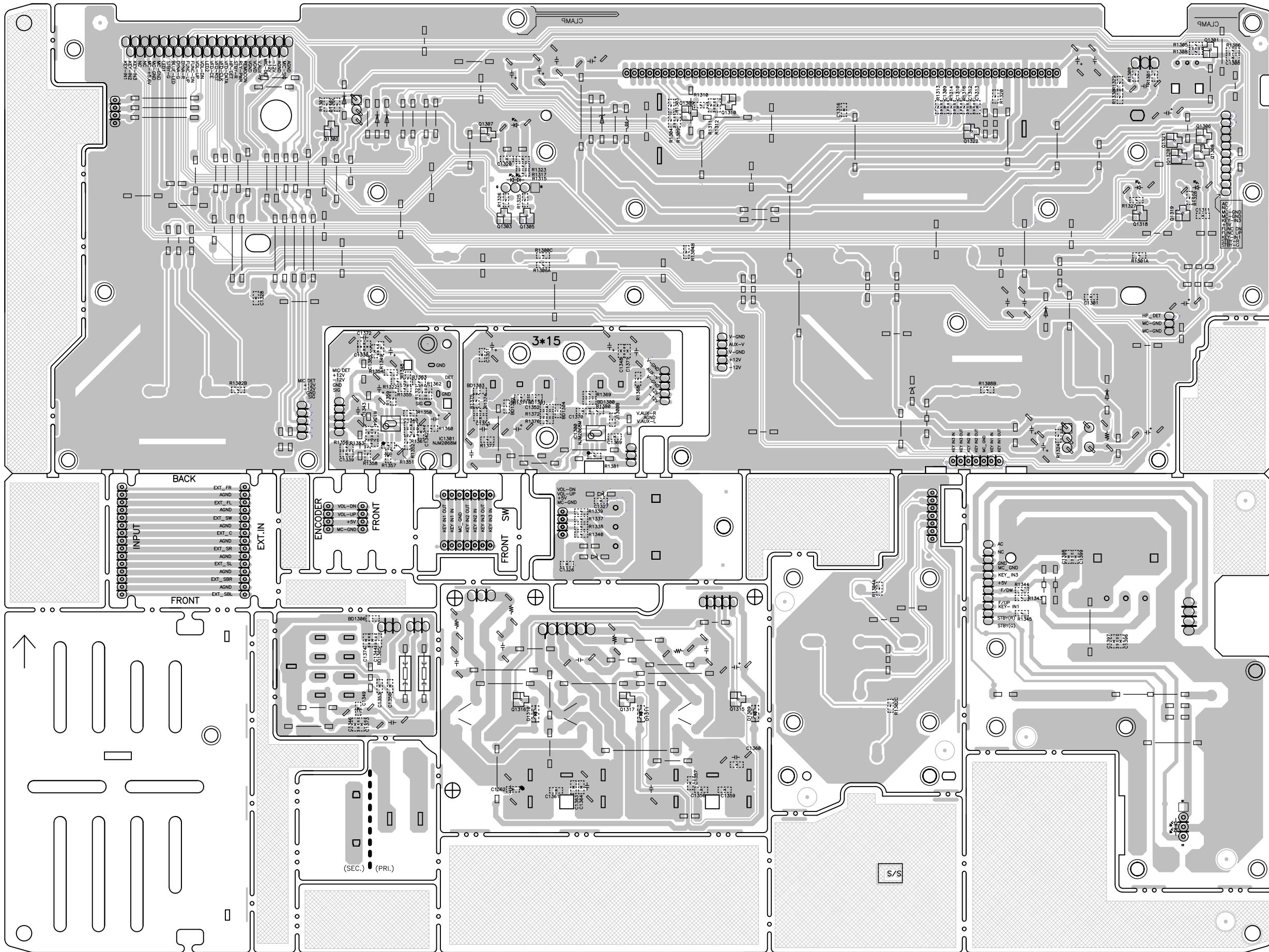
**PCB MAIN ASS'Y (2/2)**



**PCB FRONT ASS'Y (1/2)**

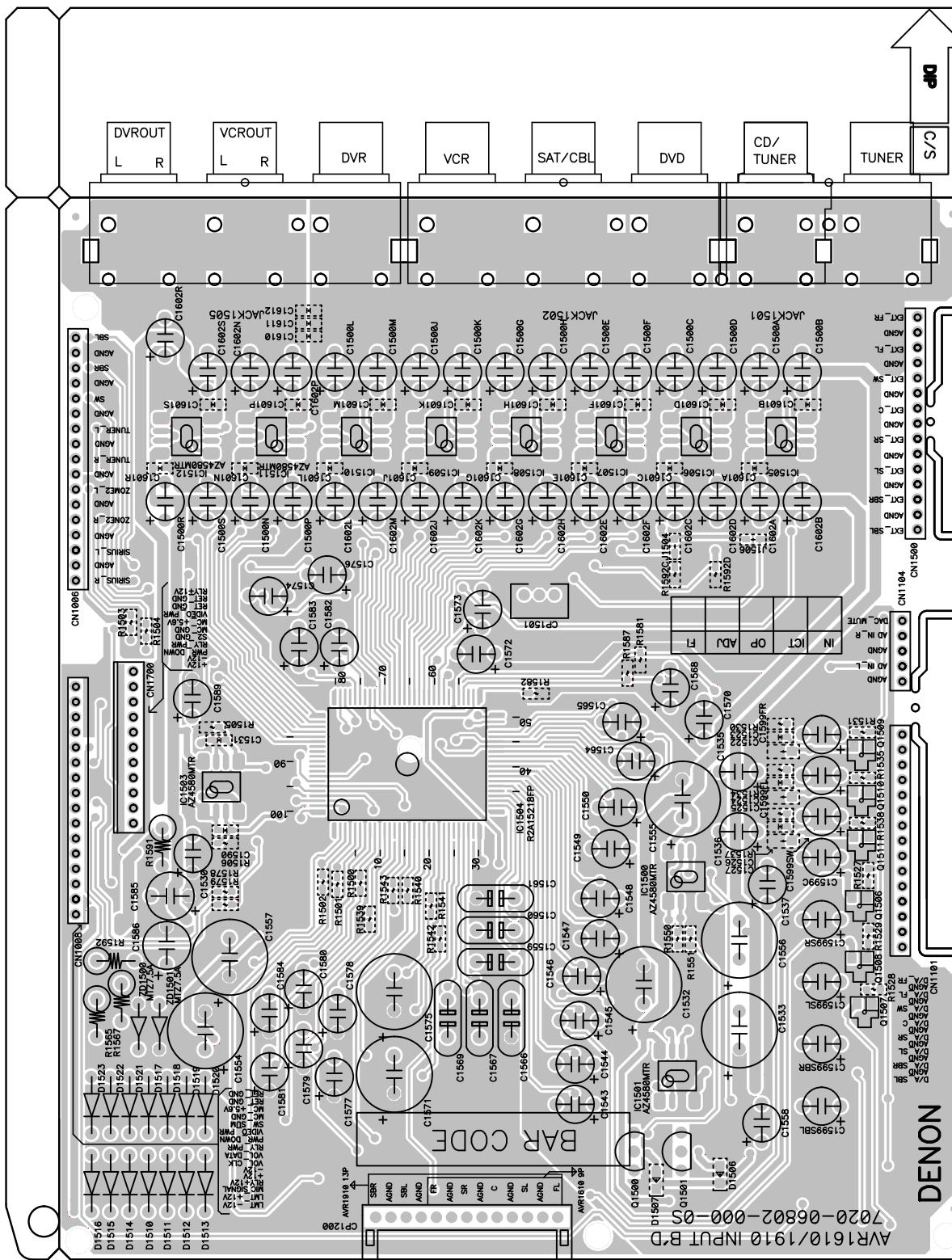


## **PCB FRONT ASS'Y (2/2)**

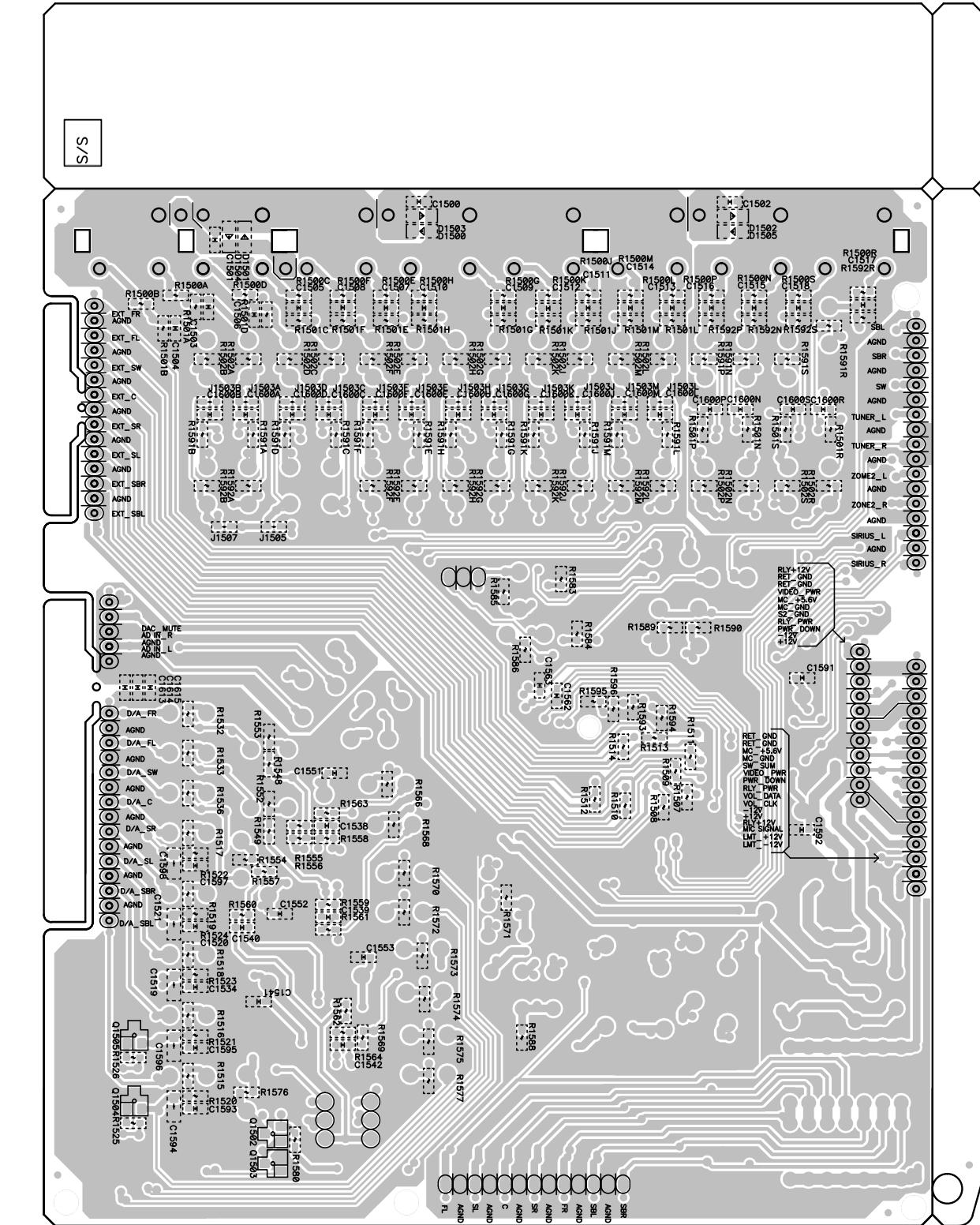


FOIL SIDE

## PCB INPUT ASS'Y

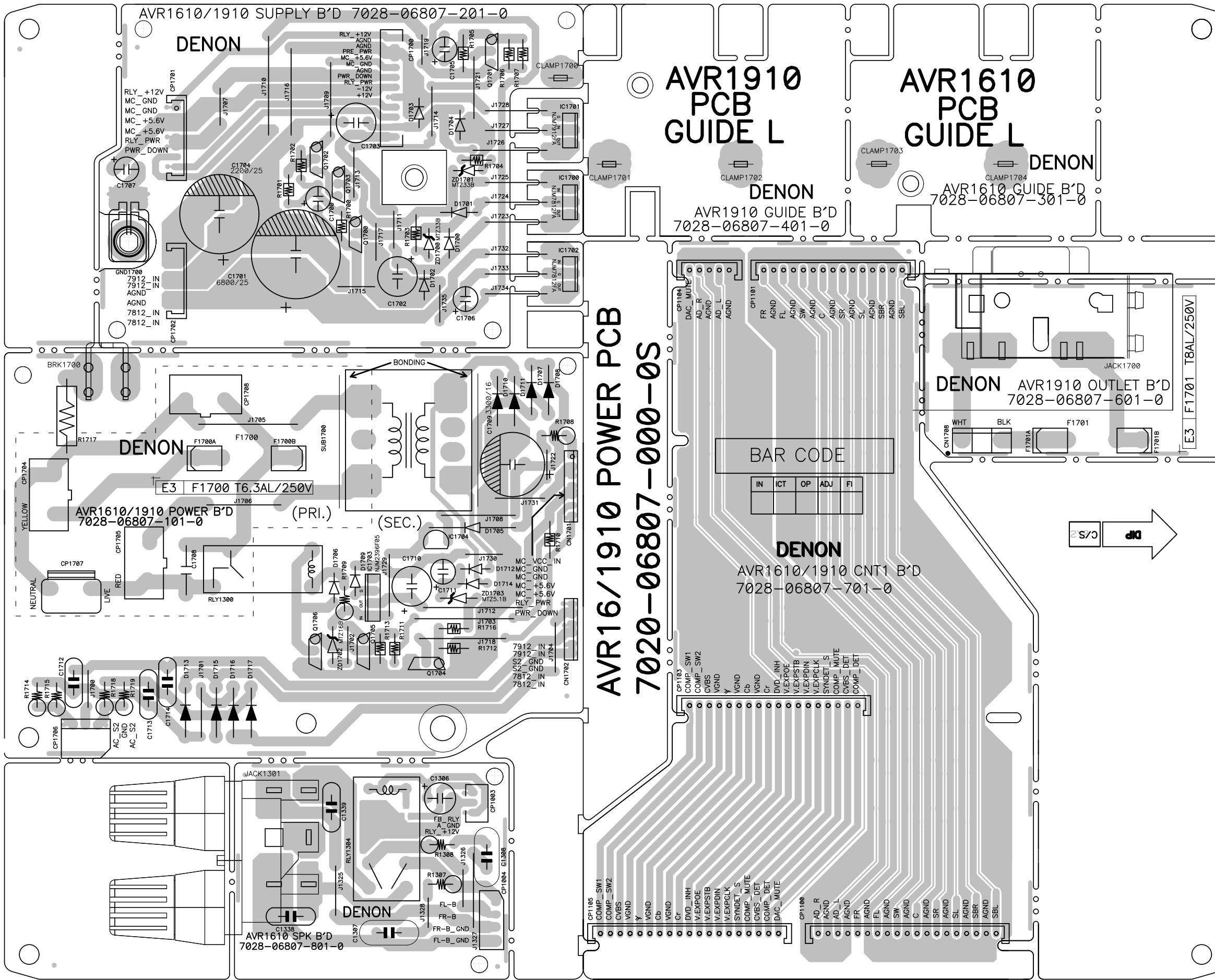


COMPONENT SIDE

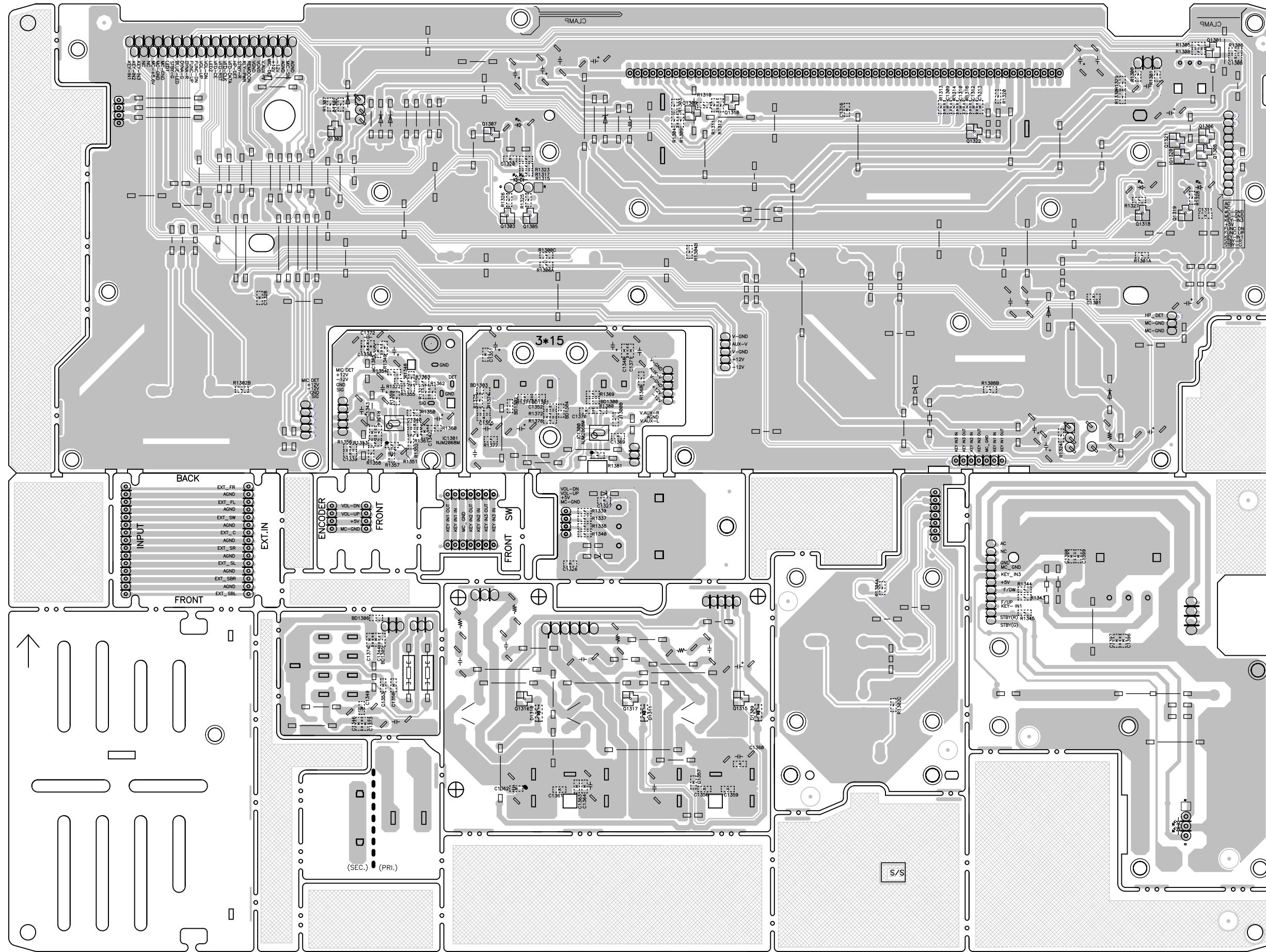


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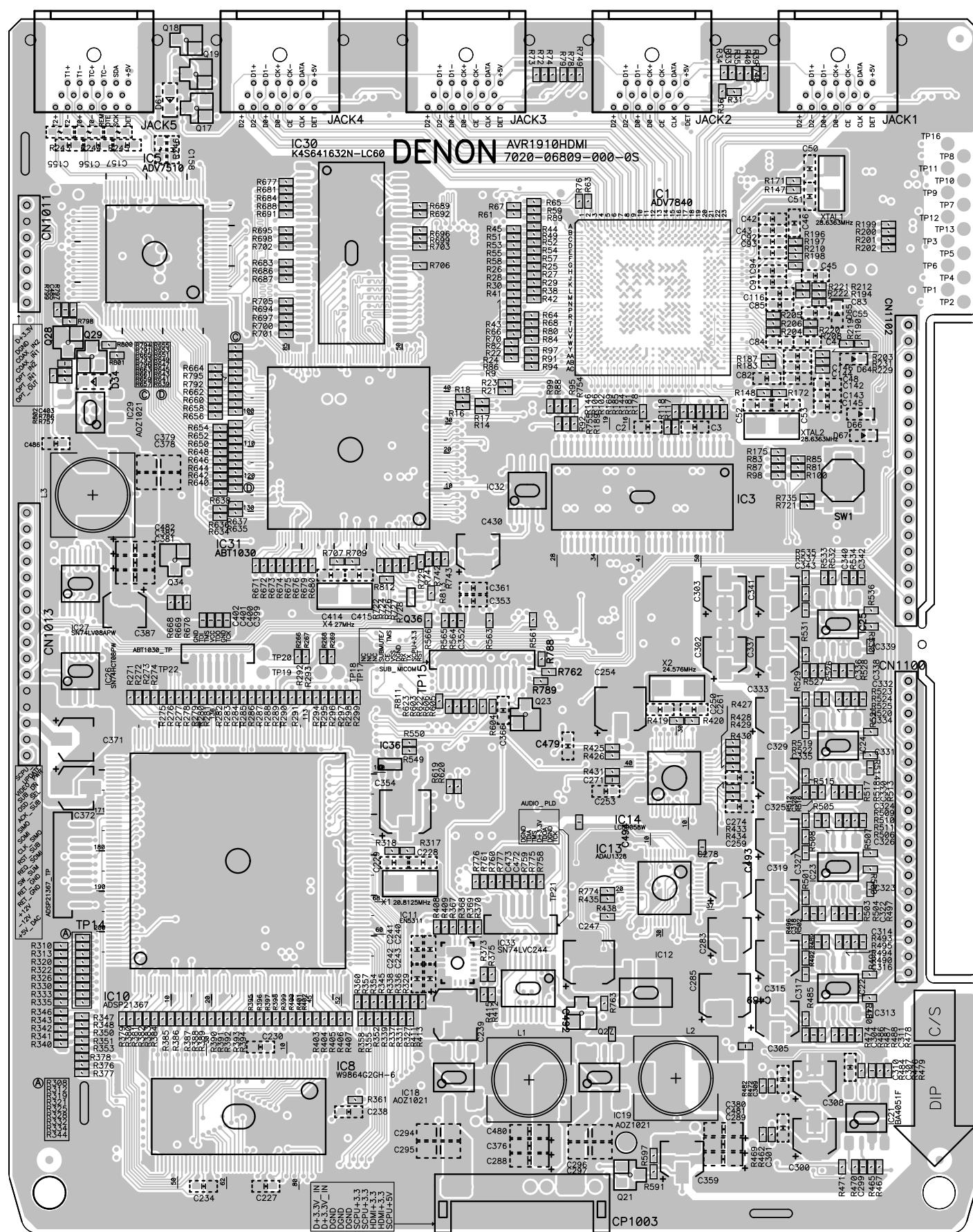
PCB POWER ASS'Y (1/2)



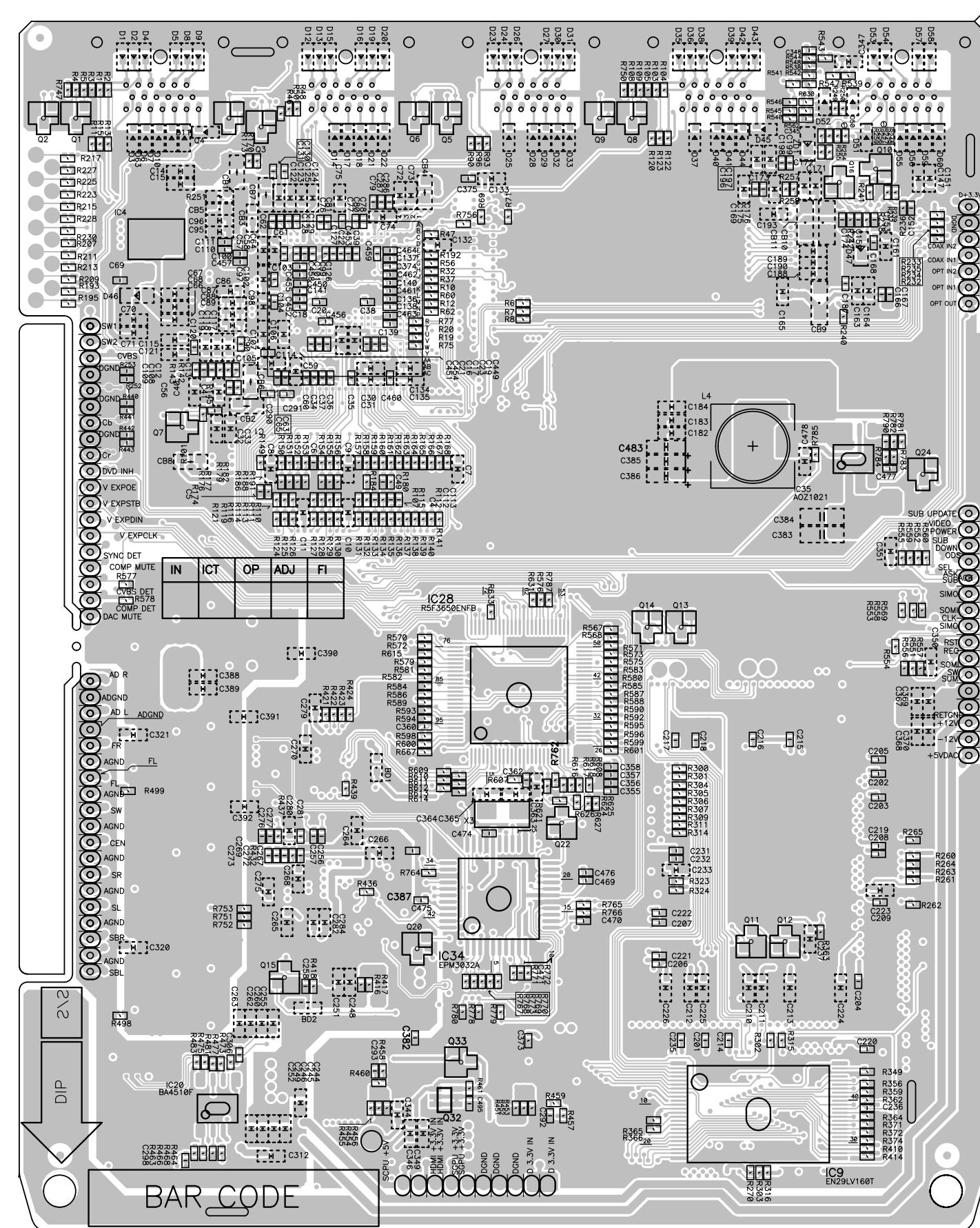
PCB POWER ASS'Y (2/2)



## **PCB HDMI ASS'Y (1910/790 model)**

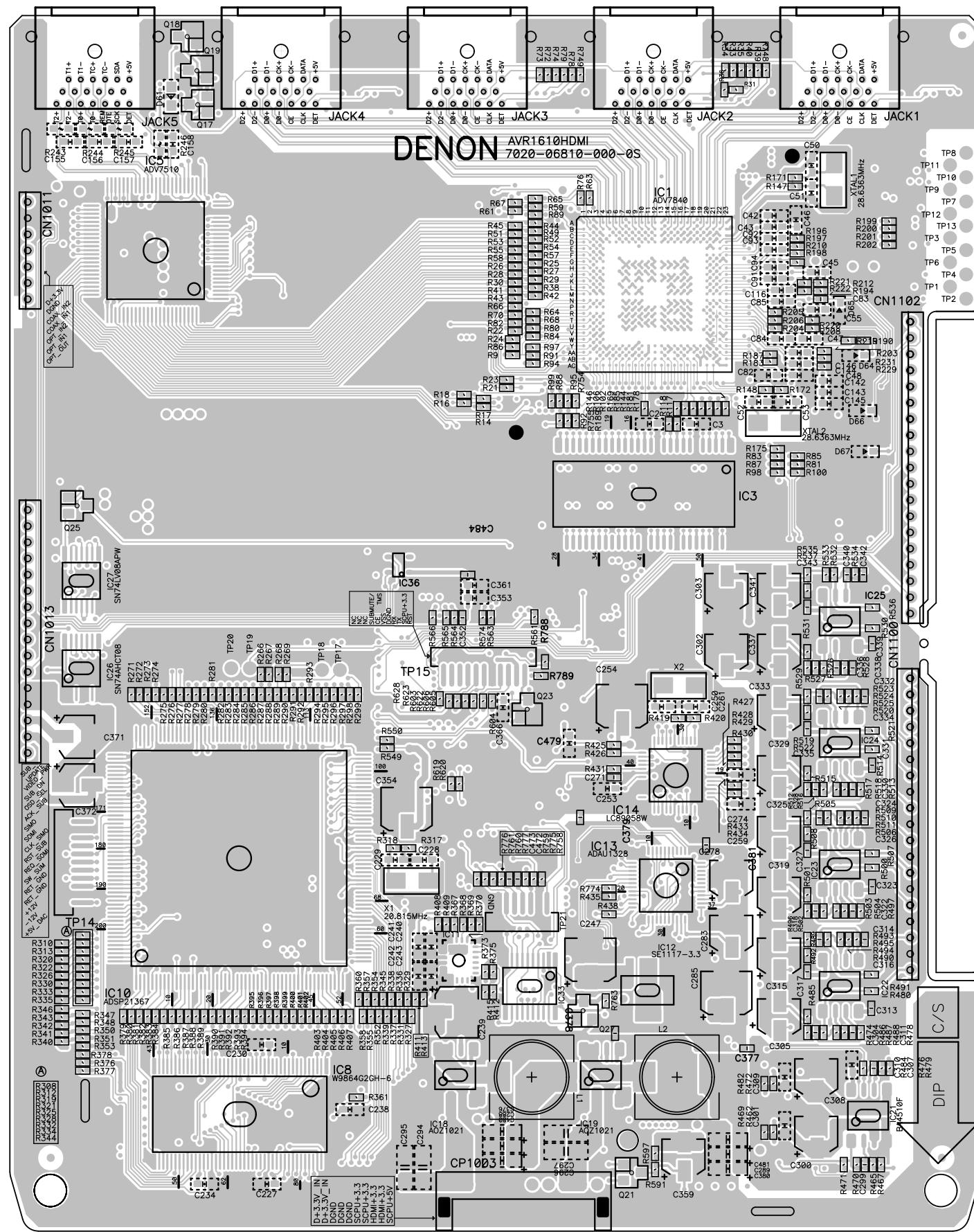


COMPONENT SIDE

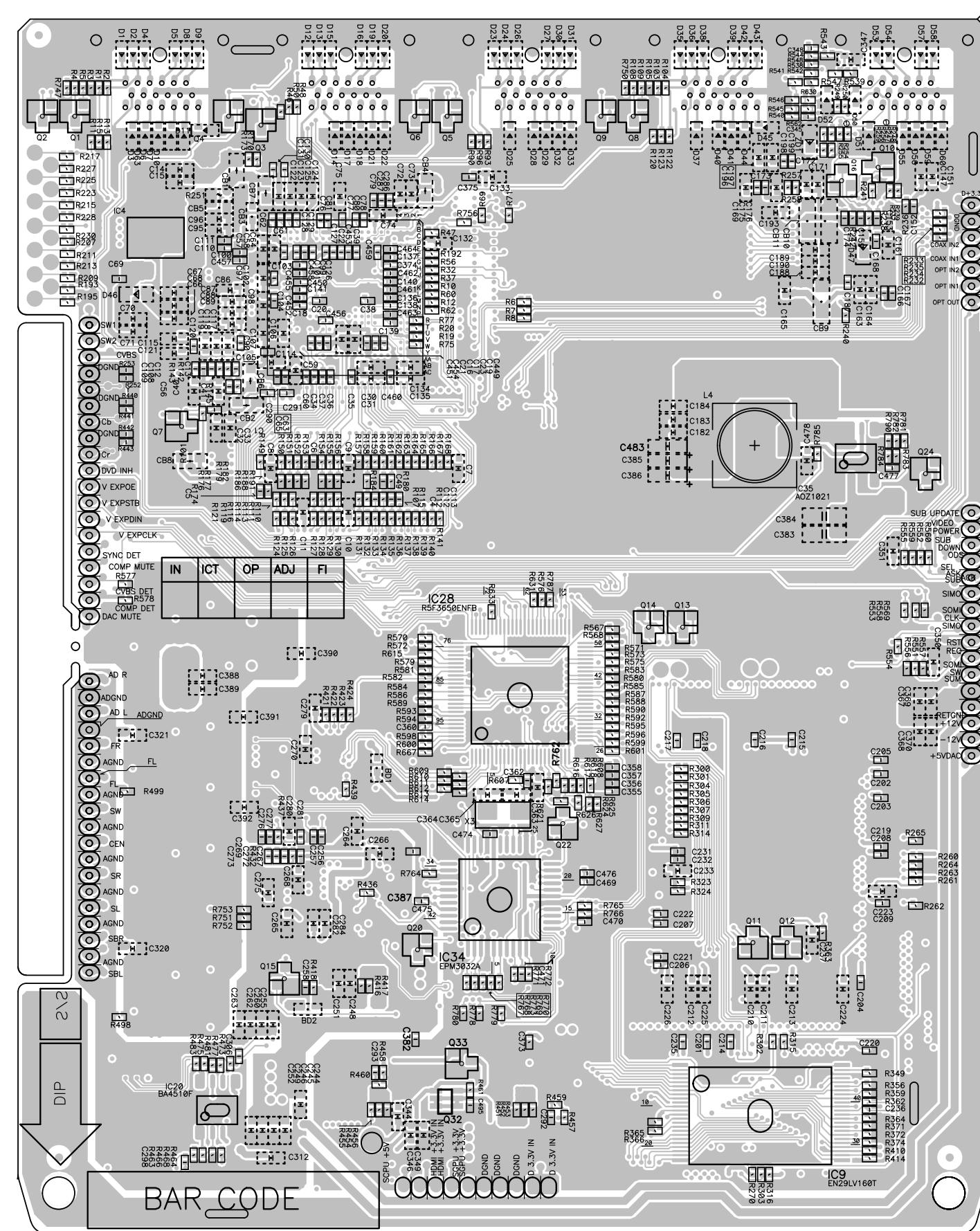


FOIL SIDE

## **PCB HDMI ASS'Y (1610/1620/590 model)**

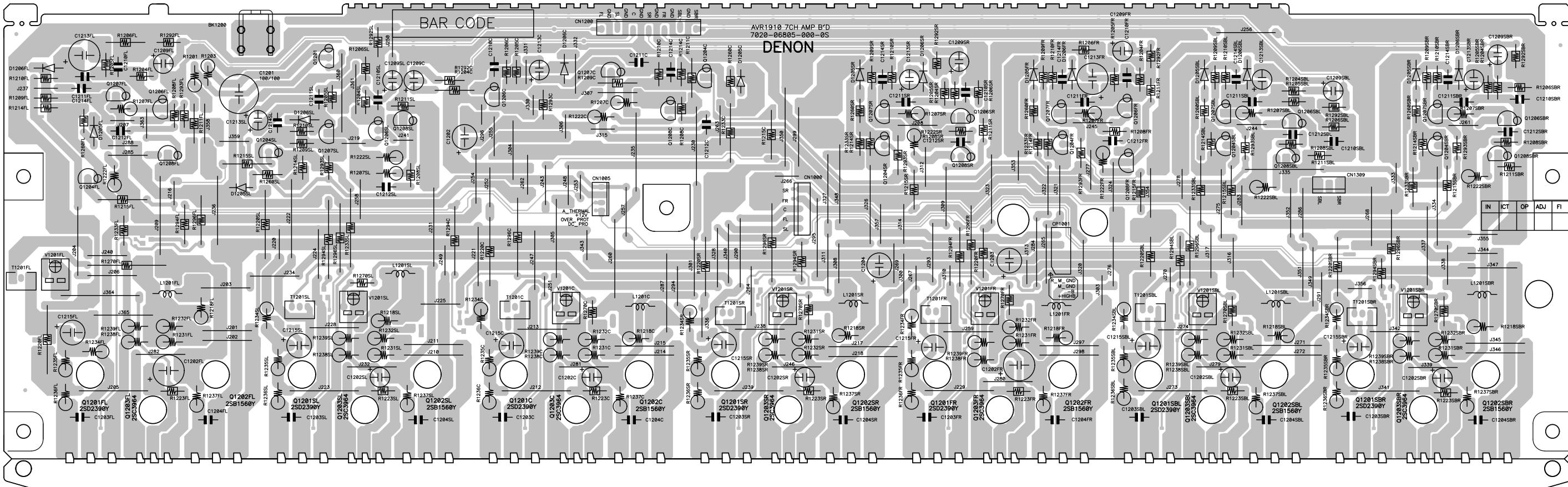


COMPONENT SIDE

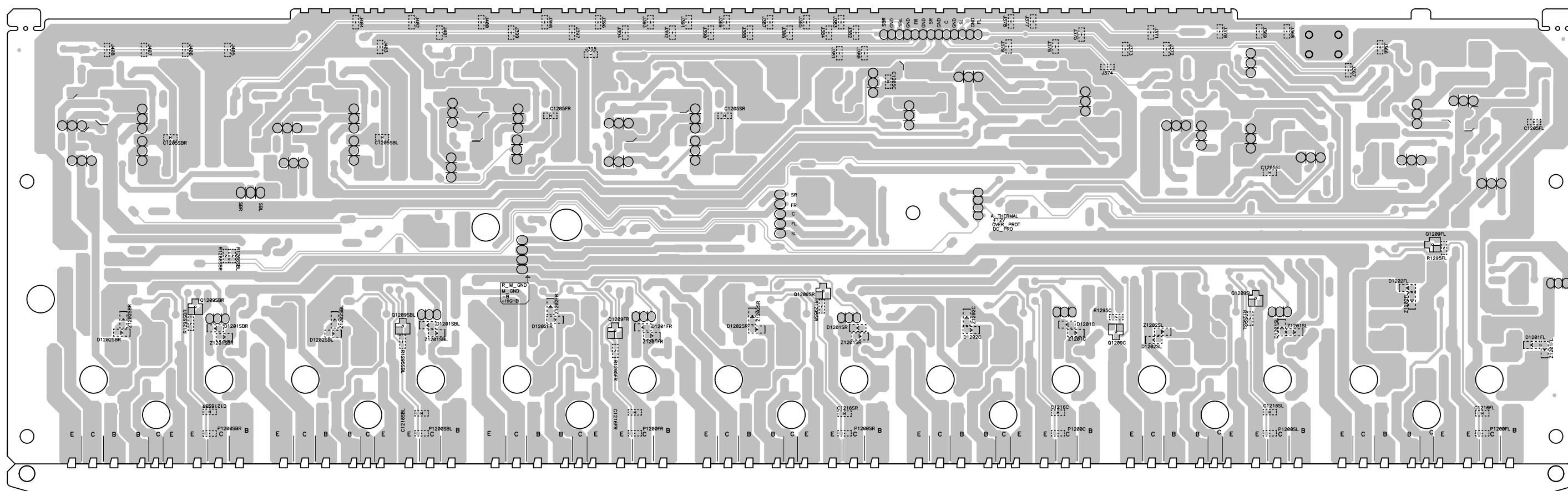


## **FOIL SIDE**

**PCB 7CH AMP ASS'Y (1910/790 model)**

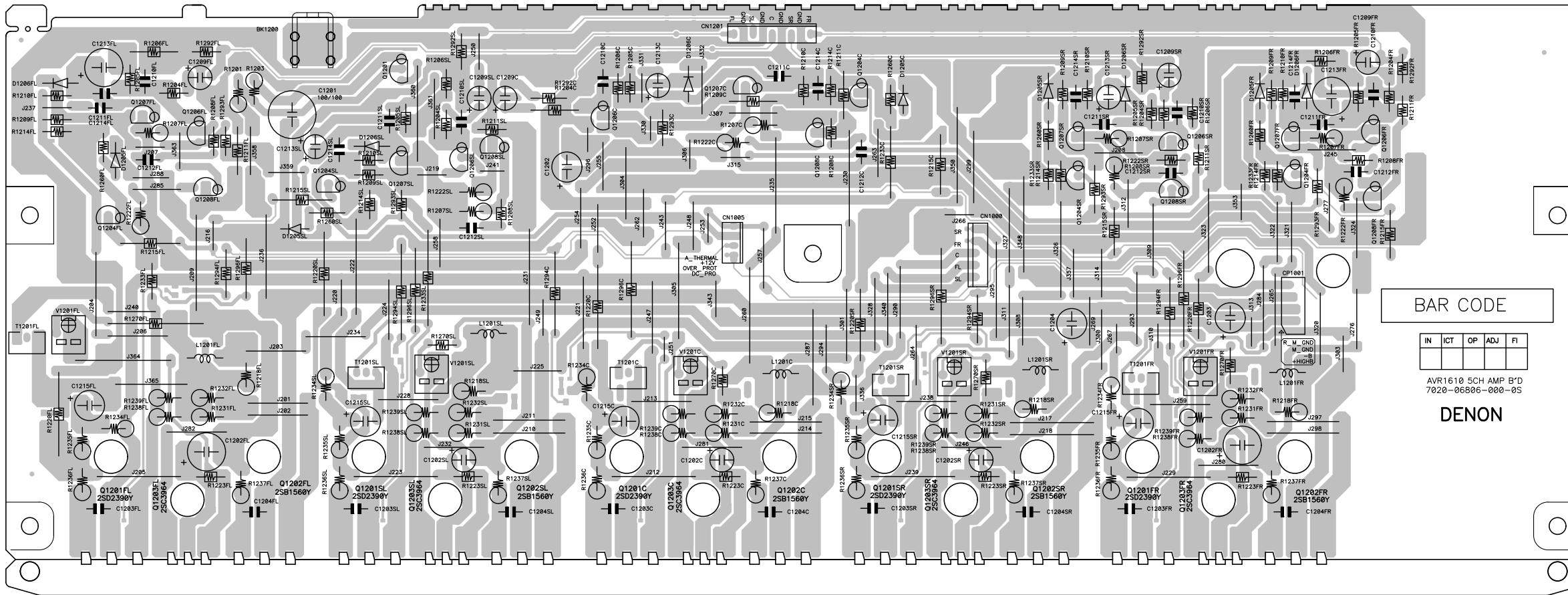


**COMPONENT SIDE**

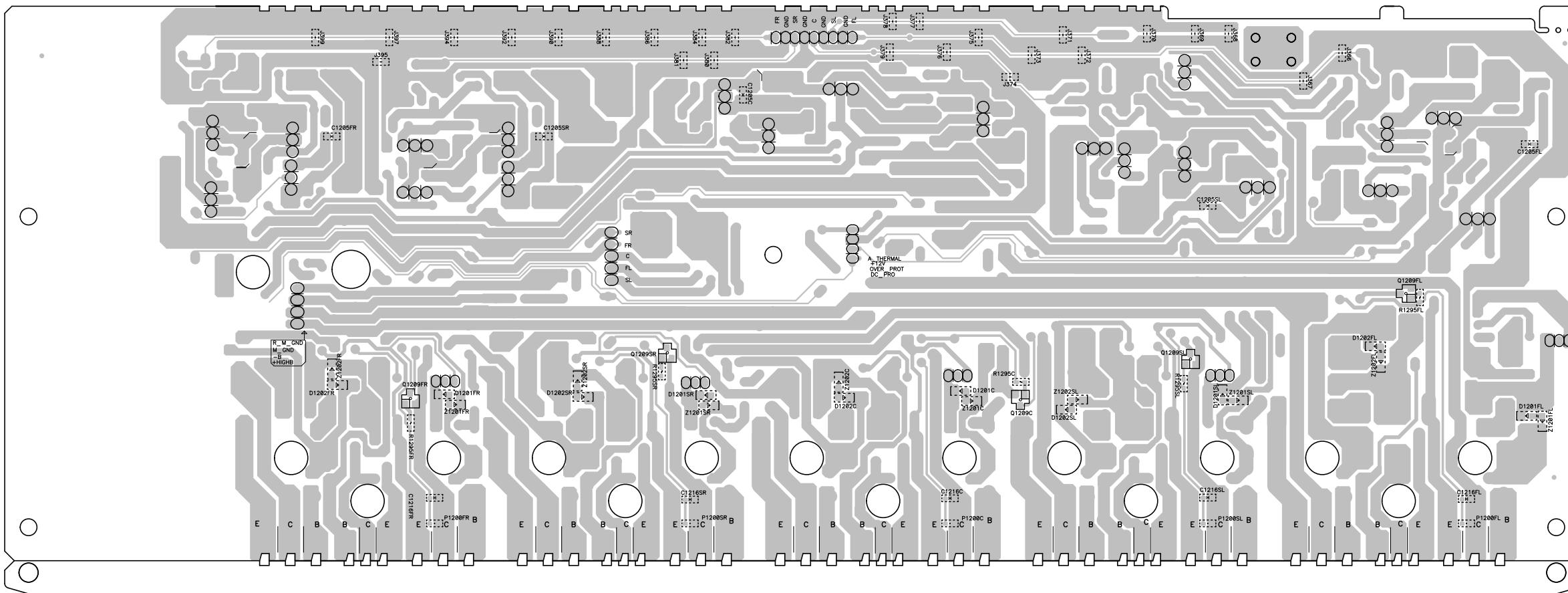


**FOIL SIDE**

## **PCB 5CH AMP ASS'Y (1610/1620/590 model)**

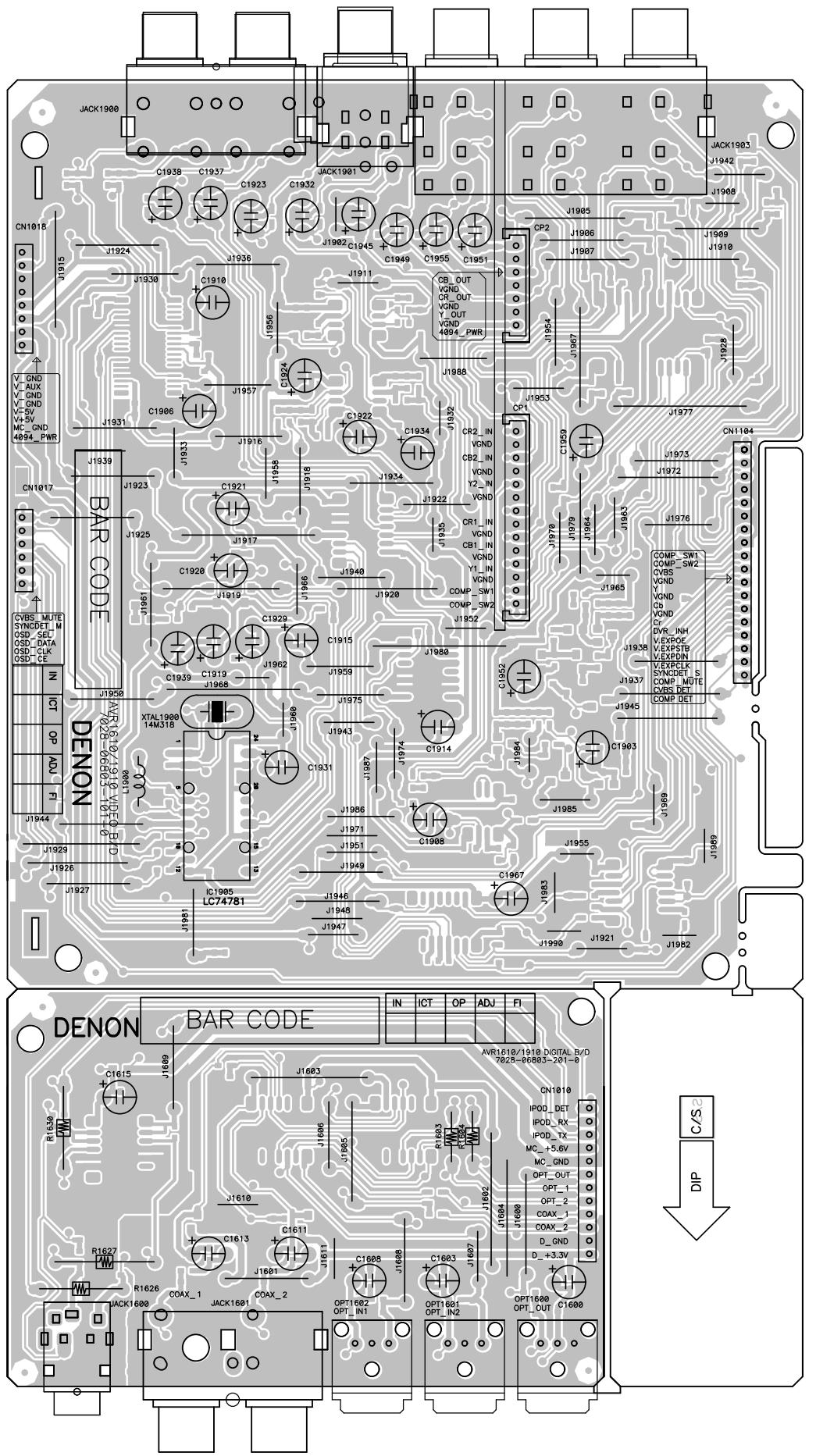


COMPONENT SIDE

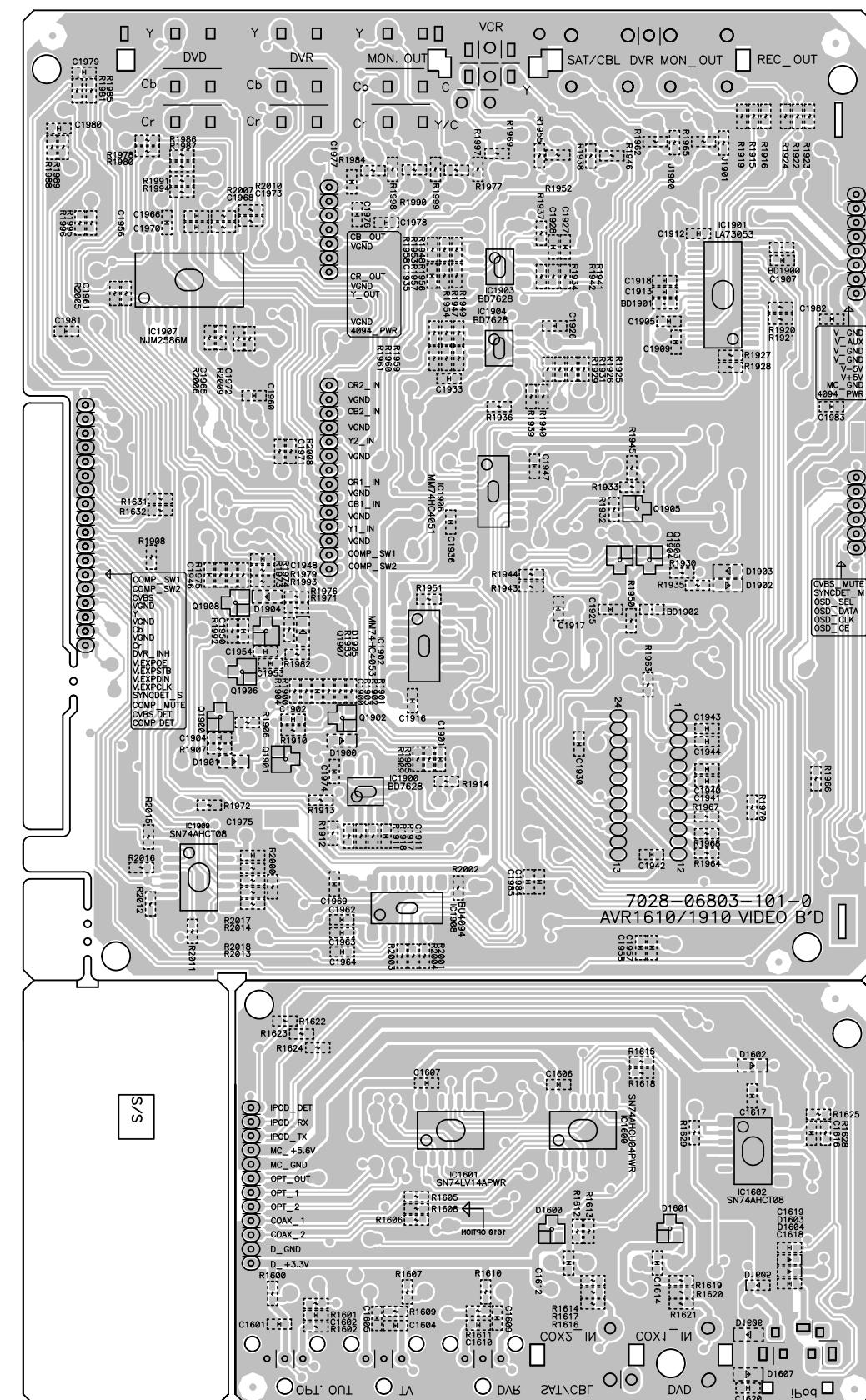


FOIL SIDE

**PCB VIDEO ASS'Y**

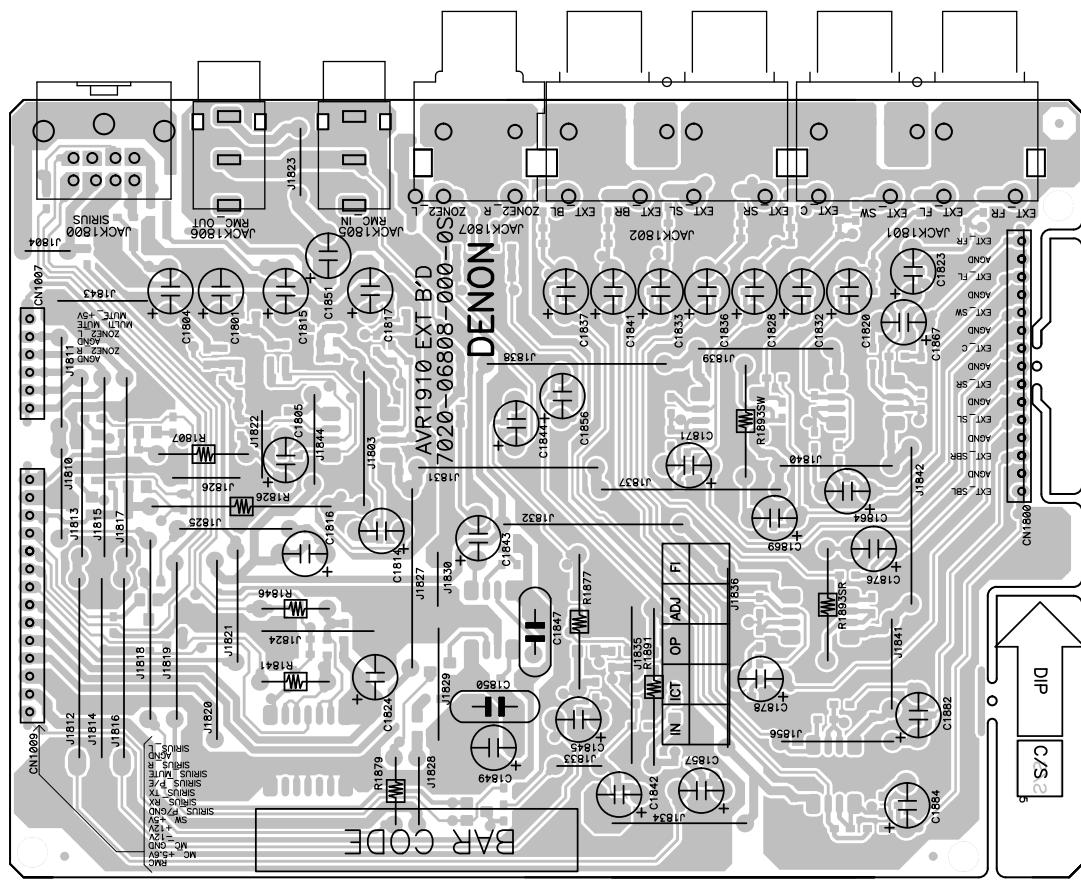


COMPONENT SIDE

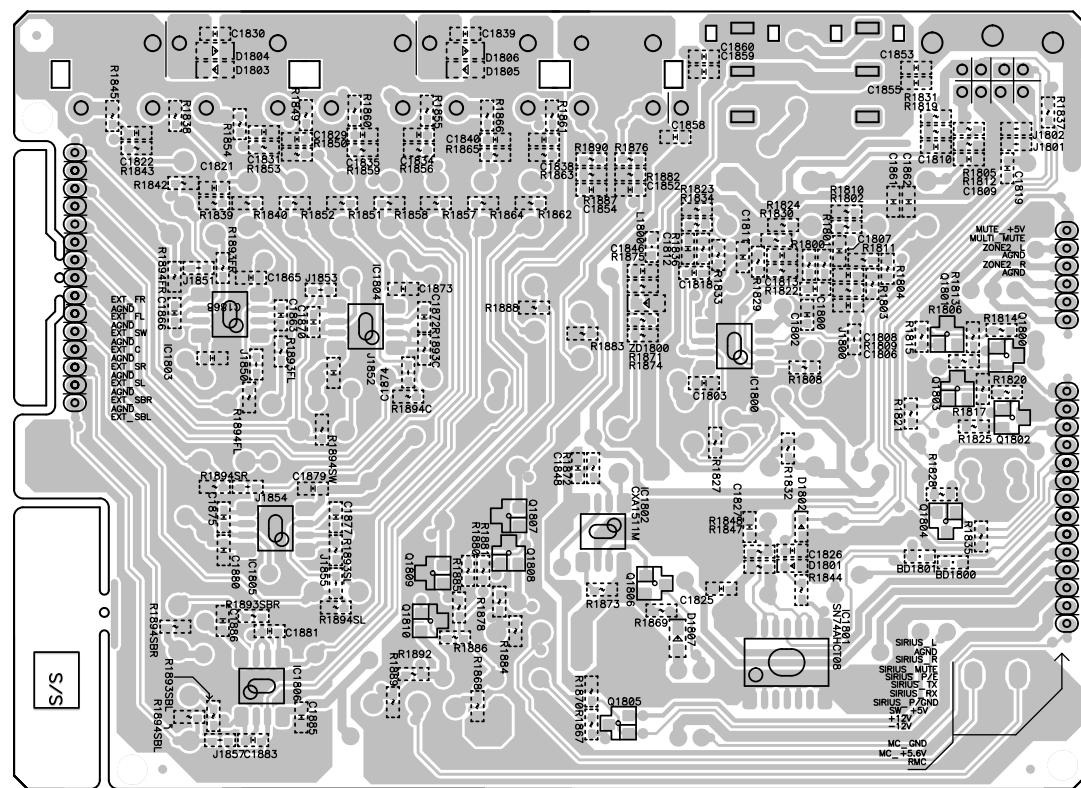


FOIL SIDE

## PCB EXT\_IN ASS'Y (1910/790 model)



COMPONENT SIDE



FOIL SIDE

## NOTE FOR PARTS LIST

- Parts for which "nsp" is indicated on this table cannot be supplied.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including General-purpose Carbon Film Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
- Not including General-purpose Carbon Chip Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

### WARNING:

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

#### ● Resistors

Ex.:	RN	14K	2E	182	G	FR
Type	Shape and performance	Power	Resistance	Allowable error	Others	
RD: Carbon	2B : 1/8 W	F : ±1%	P : Pulse-resistant type			
RC: Composition	2E : 1/4 W	G : ±2%	NL : Low noise type			
RS: Metal oxide film	2H : 1/2 W	J : ±5%	NB : Non-burning type			
RW: winding	3A : 1 W	K : ±10%	FR : Fuse-resistor			
RN: Metal film	3D : 2 W	M : ±20%	F : Lead wire forming			
RK: Metal mixture	3F : 3 W					
	3H : 5 W					

\* Resistance

 ⇒ 1800ohm=1.8kohm  
 Indicates number of zeros after effective number.  
 2-digit effective number.

 ⇒ 1.2ohm  
 1-digit effective number.  
 2-digit effective number, decimal point indicated by R.  
 : Units: ohm

#### ● Capacitors

Ex.:	CE	04W	1H	3R2	M	BP
Type	Shape and performance	Dielectric strength	Capacity	Allowable error	Others	
CE: Aluminum foil electrolytic	0J : 6.3 V	F : ±1%	HS : High stability type			
	1A : 10 V	G : ±2%	BP : Non-polar type			
CA: Aluminium solid electrolytic	1C : 16 V	J : ±5%	HR : Ripple-resistant type			
	1E : 25 V	K : ±10%	DL : For charge and discharge			
CS: Tantalum electrolytic	1V : 35 V	M : ±20%	HF : For assuring high frequency			
CQ: Film	1H : 50 V	Z : ±80%	U : UL part			
CK: Ceramic	2A : 100 V		C : CSA part			
CC: Ceramic	2B : 125 V	P : +100%	W : UL-CSA part			
CP: Oil	2C : 160 V	C : ±0.25pF	F : Lead wire forming			
CM: Mica	2D : 200 V	D : ±0.5pF				
CF: Metallized	2E : 250 V	= : Others				
CH: Metallized	2H : 500 V					
	2J : 630 V					

\* Capacity (electrolyte only)

 ⇒ 2200 μF  
 Indicates number of zeros after effective number.  
 2-digit effective number.  
 : Units: μF.

 ⇒ 2.2 μF  
 1-digit effective number.  
 2-digit effective number, decimal point indicated by R.  
 : Units: μF.

\* Capacity (except electrolyte)

 ⇒ 2200pF=0.0022 μF  
 Indicates number of zeros after effective number.  
 (More than 2)  
 2-digit effective number.  
 : Units:pF

 ⇒ 220pF  
 Indicates number of zeros after effective number.  
 (0 or 1)  
 2-digit effective number.  
 : Units:pF

• When the dielectric strength is indicated in AC, "AC" is included after the dielectric strength value.

## PARTS LIST OF P.W.B. UNIT

\* Parts for which "nsp" is indicated on this table cannot be supplied.

\* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

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

E3 : U.S.A. & Canada model  
E1C : China model

E2 : Europe model  
EA : Australia model

### PCB MAIN ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
<b>SEMICONDUCTORS GROUP</b>							
	IC1000	00D2630553006	IC NJM7805FA		J126780500130S		
	IC1002	00D2630554005	IC NJM7905FA		J126790500020S		
	IC1003	963239003420S	IC NJM2388F05		J126238800050S		
	IC1004	963239003480S	IC NJM2388F33		J126238800330S		
	IC1005	963249004210D	IC M30626FJPFP		-		
	IC1006	00D2630553006	IC NJM7805FA		J126780500130S		
	IC1007	00D9630326906	IC LC72722PM-TLM-E	E2	J124727220010S		
	IC1008	00D2631274012	IC NJM2396F09		J126239600090S		
	Q1000,1001	00D9630044301	TR KTC2875B(MB)		J5222875B0010S		
	Q1002	00D9600196302	TR KTA1268BL		J5001268B0050S		
	Q1004	00D9600196302	TR KTA1268BL		J5001268B0050S		
	Q1005	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1006	00D9630121509	TR KTC3875S		J522038750210S		
	Q1007	00D9630219602	TR KRC106M		J6020106M0010S		
	Q1008	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1009	00D9600196302	TR KTA1268BL		J5001268B0050S		
	Q1010,1011	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1012	00D9630121208	TR KRC107M		J6020107M0010S		
	Q1013-1015	00D9630121606	TR KRC107S		J522107S00210S		
	Q1016	00D9600196302	TR KTA1268BL		J5001268B0050S		
	Q1017,1018	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1019	00D9600196302	TR KTA1268BL		J5001268B0050S		
	Q1020	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1031	00D9630121509	TR KTC3875S		J522038750210S		
	Q1032	90M-HT100330R	TR 2SA KTA1267Y		J5001267Y0050S		
	Q1033	00D9630044301	TR KTC2875B(MB)	1610, 1620, 590	J5222875B0010S		
	Q1034	00D9630255802	TR KTC3199Y		J5023199Y0010S		
	Q1035	00D9630044301	TR KTC2875B(MB)	1610, 1620, 590	J5222875B0010S		
	Q1036	00D9630327808	TR KTA1281Y		J5001281Y0010S		
	Q1037	90M-HT100330R	TR 2SA KTA1267Y		J5001267Y0050S		
	Q1038	00D9600097304	TR KRC102M		J6020102M0010S		
	Q1039	00D9630120704	TR KRA102S		J520010200210S		
	Q1040	00D9600097304	TR KRC102M		J6020102M0010S		
	Q1041,1042	00D9630121509	TR KTC3875S		J522038750210S		
	Q1043	00D9630148508	TRKTA1504S		J520015040150S		
	Q1044	00D9630120801	TR KRC102S		J522010200210S		
	Q1045	00D9630120704	TR KRA102S		J520010200210S		
	Q1046-1049	00D9630044301	TR KTC2875B(MB)		J5222875B0010S		
	Q1050,1051	00D9630044301	TR KTC2875B(MB)	1610, 1620, 590	J5222875B0010S		
	Q1052	00D9630120704	TR KRA102S	1610, 1620, 590	J520010200210S		
	D1000,1001	00D9630328409	D,SWITCHING 1N4007		K000400700010S		
	D1002	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1003-1006	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1021	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1024,1025	00D9600197107	D,RECTIFIER BRIDGE KBPC604		K047604000020S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	D1026	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1027-1029	00D9630328409	D,SWITCHING 1N4007		K000400700010S		
	D1030	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1031,1032	00D9630328409	D,SWITCHING 1N4007		K000400700010S		
	D1033	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1034-1036	00D9630328409	D,SWITCHING 1N4007		K000400700010S		
	D1037-1040	00D9600197107	D,RECTIFIER BRIDGE KBPC604		K047604000020S		
	D1041,1042	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1043	00D9630328409	D,SWITCHING 1N4007		K000400700010S		
	D1044	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1045	00D9630328409	D,SWITCHING 1N4007		K000400700010S		
	D1046	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	ZD1000	00D9600095500	D,ZENER MTZJ5.1B		K06005R144520S		
	ZD1001	00D9600128105	D,ZENER MTZJ9.1B		K06009R144520S		
	ZD1002	00D9630047502	D,ZENER MTZJ3.3B		K06003R344520S		
<b>RESISTORS GROUP</b>							
	R1008	00D9630232906	R,METAL FILM 47K-F,1/4W		C060047343530S		
	R1010,1011	00D9630310404	R,METAL FILM 2.2K-J,1W		C060022265050S		
	R1015,1016	00D9630310404	R,METAL FILM 2.2K-J,1W		C060022265050S		
	R1019,1020	00D9630310404	R,METAL FILM 2.2K-J,1W		C060022265050S		
	R1096	00D9639005639	R,METAL FILM 100-J,1W		C060010165060S		
	R1172,1173	00D9630216003	R,METAL 0.22-J,1W-R		C060R22065050S		
	R1199C	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1199FL	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1199FR	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1199SL	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1199SR	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
<b>CAPACITORS GROUP</b>							
	C1000	00D9630224503	C,ELECT 22UF-M/50V		D040220087060S		
	C1000C	nsp	C,FILM 0.015UF-J/100V		D02015306C060S		
	C1000FL	nsp	C,FILM 0.015UF-J/100V		D02015306C060S		
	C1000FR	nsp	C,FILM 0.015UF-J/100V		D02015306C060S		
	C1000SL	nsp	C,FILM 0.015UF-J/100V		D02015306C060S		
	C1000SR	nsp	C,FILM 0.015UF-J/100V		D02015306C060S		
	C1001	00D9630224503	C,ELECT 22UF-M/50V		D040220087060S		
	C1002	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
	C1003-1008	nsp	C,CERAMIC 0.1UF-Z/50V		D011104597160S		
	C1014	nsp	C,CERAMIC 0.01UF-K/50V		D010103777160S		
	C1015	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1016	nsp	C,CERAMIC 0.1UF-Z/50V		D011104597160S		
	C1017	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1018	00D9639006557	C,ELECT 220UF-M/6.3V		D040221081060S		
	C1019	nsp	C,CERAMIC 0.1UF-Z/50V		D011104597160S		
	C1020	00D9639006557	C,ELECT 220UF-M/6.3V		D040221081060S		
	C1021	nsp	C,CERAMIC 0.1UF-Z/50V		D011104597160S		
	C1022	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1025	00D9639003097	C,FILM 0.1UF-K/250V		D02010407H080S		
	C1028	00D2546276008	C,ELECT 12000UF-M/71V(VSSN)	1910, 790	D040123089020S		
	C1028	00D9639003107	C,ELECT 6800UF-M/63V	1610/590E3	D040682088010S		
	C1028	963134004220S	C,ELECT 6800UF-M/75V	1610E2/E1C, 1620E1C, 590EA	D04068208A000S		
	C1031-1033	00D9639003097	C,FILM 0.1UF-K/250V		D02010407H080S		

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
C1034	00D2546276008	C,ELECT 12000UF-M/71V(VSSN)	1910, 790	D040123089020S		
C1034	00D9639003107	C,ELECT 6800UF-M/63V	1610/590E3	D040682088010S		
C1034	963134004220S	C,ELECT 6800UF-M/75V	1610E2/E1C, 1620E1C, 590EA	D04068208A000S		
C1035	00D9639003097	C,FILM 0.1UF-K/250V		D02010407H080S		
C1036	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
C1037	nsp	C,CERAMIC 100PF-J/50V	1610, 1620, 590	D010101167160S		
C1038	00D9630224503	C,ELECT 22UF-M/50V	1610, 1620, 590	D040220087060S		
C1039	00D9630324704	C,ELECT 4700UF-M/16V	1610, 1620, 590	D040472083200S		
C1039	00D9630324704	C,ELECT 4700UF-M/16V	1910, 790	D040472083200S		
C1041-1043	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S		
C1044	00D9630224503	C,ELECT 22UF-M/50V	1610, 1620, 590	D040220087060S		
C1045	00D9630021900	C,FILM 0.047UF-J/100V		D02047306C060S		
C1046	00D9630217002	C,ELECT 3300UF-M/16V		D040332083010S		
C1047,1048	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S		
C1049,1050	00D9630021900	C,FILM 0.047UF-J/100V		D02047306C060S		
C1051,1052	00D9630224503	C,ELECT 22UF-M/50V	1610, 1620, 590	D040220087060S		
C1053,1054	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S		
C1055	00D9630217002	C,ELECT 3300UF-M/16V		D040332083010S		
C1056,1057	00D9600298802	C,ELECT 470UF-M/6.3V		D040471081070S		
C1058-1060	nsp	C,CERAMIC 1000PF-K/50V		D011102777160S		
C1061	nsp	C,FILM 0.1UF-J/100V		D02010406C060S		
C1062	00D9630244606	C,ELECT 0.1UF-M/50V (Pb Free)		D040R10087080S		
C1063	00D9630217002	C,ELECT 3300UF-M/16V		D040332083010S		
C1064	00D9609010010	C,ELECT 4.7UF-M/50V		D0404R7087250S		
C1065	nsp	C,CERAMIC 0.01UF-K/50V		D010103777160S		
C1066	nsp	C,CERAMIC 0.1UF-Z/50V		D011104597160S		
C1067	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
C1068	nsp	C,CERAMIC 0.01UF-K/50V		D010103777160S		
C1069-1071	nsp	C,CERAMIC 0.1UF-Z/50V		D011104597160S		
C1072,1073	nsp	C,CERAMIC 0.022UF-Z/50V		D011223597160S		
C1074	nsp	C,CERAMIC 0.1UF-Z/50V		D011104597160S		
C1075,1076	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
C1077,1078	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
C1079	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
C1080,1081	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
C1082	nsp	C,CERAMIC 0.01UF-K/50V		D010103777160S		
C1083	nsp	C,CERAMIC 100PF-J/50V	1610, 1620, 590	D010101167160S		
C1084	00D9630244606	C,ELECT 0.1UF-M/50V (Pb Free)	1610, 1620, 590	D040R10087080S		
C1086	nsp	C,CERAMIC 0.01UF-K/50V	E2	D010103777160S		
C1087	00D9639005862	C,ELECT 47UF-M/16V	E2	D040470083080S		
C1088	00D9630234205	C,ELECT 10UF-M/50V	E2	D040100087070S		
C1089	nsp	C,CERAMIC 330PF-J/50V	E2	D010331167160S		
C1090	nsp	C,CERAMIC 560PF-J/50V	E2	D010561167160S		
C1091,1092	nsp	C,CERAMIC 27PF-J/50V	E2	D010270167160S		
C1093	00D9630244606	C,ELECT 0.1UF-M/50V (Pb Free)		D040R10087080S		
C1094	00D9639005804	C,ELECT 100UF-M/25V		D040101084060S		
C1095	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
C1096	nsp	C,CERAMIC 0.1UF-Z/50V		D011104597160S		
C1096C	nsp	C,FILM 0.1UF-J/50V		D020104167050S		
C1096FL	nsp	C,FILM 0.1UF-J/50V		D020104167050S		
C1096FR	nsp	C,FILM 0.1UF-J/50V		D020104167050S		
C1096SL	nsp	C,FILM 0.1UF-J/50V		D020104167050S		
C1096SR	nsp	C,FILM 0.1UF-J/50V		D020104167050S		
C1097-1102	nsp	C,CERAMIC 0.1UF-Z/50V		D011104597160S		
C1103	nsp	C,CERAMIC 1000PF-K/50V		D011102777160S		
C1104	nsp	C,CERAMIC X7R4700PF-K/50V		D011472777160S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C1105 C1106 C1107 C1108	nsp nsp nsp nsp	C,CERAMIC 1000PF-K/50V C,CERAMIC X7R4700PF-K/50V C,CERAMIC 1000PF-K/50V C,CERAMIC X7R4700PF-K/50V		D011102777160S D011472777160S D011102777160S D011472777160S		
	BC1000	00D2544666005	C,ELECT 1F-FG5.5V		D041105090010S		
<b>OTHERS PARTS GROUP</b>							
	BD1001-1005	00D9630223009	R,THICK 0-J,1/16W		C20000006M160S		
	CN1001 CN1001 CN1002 CN1002	nsp nsp nsp nsp	CN,WIRE 5P CN,WIRE 3P CN,WIRE 6P CN,WIRE4P	1910, 790 1610, 1620, 590 1910, 790 1610, 1620, 590	L002111052620S L002111032620S L000101062050S L000101042050S		
	CN1003 CN1019  CP1000 CP1000A1	nsp nsp 963649004230S	CN,WIRE 10P CN,WIRE 4P  CN.WAFER 5P CN.FPC 35P		L002261100020S L000181040100S  L102526700500S L131125023510S		
	CP1001 CP1002 CP1003 CP1004 CP1005	nsp nsp nsp nsp nsp	CN.WAFER 3P CN.WAFER 3CKT CN.WAFER 2P CN.WAFER 11P CN.WAFER 4P		L101200100310S L108353280360S L102020010020S L102526701100S L101200100410S		
	CP1006 CP1007 CP1008 CP1009 CP1010	nsp nsp nsp nsp	CN.WAFER 17 CN.WAFER 6P CN.WAFER 16P CN.WAFER 14P CN.WAFER 12P	1910, 790  1910, 790	L101100041710S L101100040610S L101100041610S L101100041410S L101100041210S		
	CP1011 CP1013 CP1014 CP1015 CP1017	nsp nsp nsp nsp	CN.WAFER 7P CN.WAFER 16P CN.WAFER 4P CN.WAFER 8P CN.WAFER 6P		L101100040710S L101100041610S L101200100410S L101200100810S L101100040610S		
	CP1018  F1000 F1000A F1000B	nsp 00D9630104801 nsp nsp	CN.WAFER 8P  FUSE T3.15A /250V HOLDER,FUSE CLIP HOLDER,FUSE CLIP		L101100040810S  N751223151110S G645000050010S G645000050010S		
	F1001 F1001A F1001B  GND101-104	00D9630104801 nsp nsp nsp	FUSE T3.15A /250V HOLDER,FUSE CLIP HOLDER,FUSE CLIP  TERMINAL EARTH		N751223151110S G645000050010S G645000050010S  3790040886000S		
	JACK1001 JACK1002 JACK1003 JACK1003	00D9630158608 963646001690S 00D9630146005 963643003560S	TER,BOARD SCREW 2P TER,BOARD SCREW 8P TER,RCA 1PIN TER,RCA-303B1-10	1910, 790 1610, 1620, 590	G611201A0200YS G614108V1010MS G600107A0000YS G606303B1100YS		
	RLY1001-1003 RLY1004  XTAL1000	963682003410S 00D9630218409  00D9630217701	RELAY HL3-2A-12S 12V 5A RELAY BC3-12 24V 2A  RESONATOR ZTT12.00MT		G680120503020S G680240202030S  E83012000060S		
	XTAL1001	00D9630217604	CRYSTAL 4.332MHZ	E2	E800433200100S		

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
CLP1000	nsp	CLAMP WIRE(SOLDER)	1910, 790	4330000120000S		
CLP1001	nsp	CLAMP WIRE(SOLDER)	1910, 790	4330000120000S		
CLP1002	nsp	CLAMP WIRE(SOLDER)		4330000120000S		
CLP1003	nsp	CLAMP WIRE(SOLDER)		4330000120000S		
	nsp	HEAT SINK		2120043538080S		
	nsp	SCREW(3X8 B-TYPE ZNY/BH)		B020030081B10S		
963183003630S		TUNER,FM/AM KST-MT001MV0-0S	E3	E903001000030S		
963183003730D		TUNER,FM/AM KST-MT004MV1-0	1610, 1620, 590	E903004100040S		

# PCB FRONT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
<b>SEMICONDUCTORS GROUP</b>							
	IC1300,1301	00D9630024004	IC NJM2068M		J121206800020S		
	IC1302	00D9600195808	IC ICP-N15		J120001500030S		
	Q1300	00D9630102803	TR 2SA933S		J5000933S0050S		
	Q1301	00D9630120704	TR KRA102S		J520010200210S		
	Q1302	00D9630121606	TR KRC107S		J522107S00210S		
	Q1303	00D9630120801	TR KRC102S		J522010200210S		
	Q1304	00D9600133103	TR KSA916Y		J5000916Y0050S		
	Q1305	00D9630120801	TR KRC102S		J522010200210S		
	Q1306	00D9630120704	TR KRA102S		J520010200210S		
	Q1307	00D9630120801	TR KRC102S		J522010200210S		
	Q1308	00D9630120704	TR KRA102S		J520010200210S		
	Q1309,1310	00D9630121509	TR KTC3875S		J522038750210S		
	Q1315	00D9630121606	TR KRC107S	1910	J522107S00210S		
	Q1316	00D9630121606	TR KRC107S	1910, 790	J522107S00210S		
	Q1318-1322	00D9630120801	TR KRC102S		J522010200210S		
	D1301-1303	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1304,1305	00D9630328409	D,SWITCHING 1N4007		K000400700010S		
	D1309	00D9630355401	D,SWITCHING KDS4148U	1910, 790EA	K005041480030S		
	D1310	00D9630355401	D,SWITCHING KDS4148U	1910, 790	K005041480030S		
	ZD1300	00D9600095801	D,ZENER MTZJ6.8B		K06006R844520S		
	ZD1301,1302	00D9630219903	D,ZENER MTZJ16B		K06016R044520S		
	ZD1306-1308	00D9600095500	D,ZENER MTZJ5.1B		K06005R144520S		
	LED1301	963263002040S	LED,ROUND SEL5020J 5PI		K500056000110S		
	LED1302	963263000500S	LED BL-BVT204-S 5PI		K500052500040S		
	LED1312	00D9630366108	LED BL-BEG204-L 5PI		K500052004010S		
<b>RESISTORS GROUP</b>							
	R1336	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1370	00D9609009270	R,METAL FILM 470-J,2W		C060047166520S		
	R1373	00D9609009270	R,METAL FILM 470-J,2W		C060047166520S		
	R1382,1383	00D9639006256	R,FIXED 1WJ-10	1910	N113135610020S		
	R1384,1385	00D9639006256	R,FIXED 1WJ-10	1910, 790	N113135610020S		
<b>CAPACITORS GROUP</b>							
	C1300	nsp	C,FILM 0.1UF-J/100V		D02010406C060S		
	C1301	nsp	C,CERAMIC 0.01UF-K/50V		D01103777160S		
	C1302	nsp	C,FILM 0.047UF-J/100V		D02047306C060S		
	C1303	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S		
	C1304	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1305	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S		
	C1306	nsp	C,FILM 0.047UF-J/100V		D02047306C060S		
	C1307	00D9639005862	C,ELECT 47UF-M/16V		D040470083080S		
	C1308-1310	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
	C1311	nsp	C,CERAMIC 0.022UF-K/25V		D011223777160S		
	C1312	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
	C1313	nsp	C,CERAMIC 1000PF-K/50V		D011102777160S		
	C1314	00D9639005862	C,ELECT 47UF-M/16V		D040470083080S		
	C1315	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C1316 C1317 C1318,1319 C1321 C1322,1323	nsp 00D9630234205 nsp 00D9630293602 nsp	C,CERAMIC 1UF-Z/50V C,ELECT 10UF-M/50V C,FILM 0.1UF-J/50V C,ELECT 1UF-M/50V (Pb Free) C,FILM 0.1UF-J/50V	1910, 790  1910, 790	D011105597160S D040100087070S D020104167050S D040010087150S D020104167050S		
	C1324 C1325 C1326-1328 C1329 C1330	nsp 00D9639003097 nsp 00D9630234205 nsp	C,ELECT 470UF-M/63V C,FILM 0.1UF-K/250V C,CERAMIC 0.01UF-K/50V C,ELECT 10UF-M/50V C,CERAMIC 0.01UF-K/50V		D040471088010S D02010407H080S D011103777160S D040100087070S D011103777160S		
	C1333 C1336-1338 C1338FL C1339 C1339FR	00D9630293602 00D9630293602 nsp nsp nsp	C,ELECT 1UF-M/50V (Pb Free) C,ELECT 1UF-M/50V (Pb Free) C,FILM 0.015UF-J/100V C,CERAMIC 100PF-J/50V C,FILM 0.015UF-J/100V	1910  1910	D040010087150S D040010087150S D02015306C060S D010101167160S D02015306C060S		
	C1340 C1340SBL C1341SBR C1342 C1343	nsp nsp nsp nsp nsp	C,CERAMIC 91PF-J/50V C,FILM 0.015UF-J/100V C,FILM 0.015UF-J/100V C,CERAMIC 100PF-J/50V C,CERAMIC 91PF-J/50V	1910, 790  1910, 790	D010910167160S D02015306C060S D02015306C060S D010101167160S D010910167160S		
	C1344 C1346 C1347 C1348 C1349	nsp nsp 00D9630293602 nsp nsp	C,CERAMIC 1000PF-K/50V C,CERAMIC 0.1UF-K/50V C,ELECT 1UF-M/50V (Pb Free) C,CERAMIC 0.1UF-K/50V C,CERAMIC 0.01UF-K/50V		D011102777160S D011104577160S D040010087150S D011104577160S D011103777160S		
	C1350 C1351 C1352 C1353 C1354	nsp nsp nsp nsp 00D9630293602	C,CERAMIC 1000PF-K/50V C,CERAMIC 0.1UF-K/50V C,CERAMIC 330PF-J/50V C,CERAMIC 1000PF-K/50V C,ELECT 1UF-M/50V (Pb Free)		D011102777160S D011104577160S D010331167160S D011102777160S D040010087150S		
	C1355 C1356 C1358 C1359 C1361	nsp nsp 00D9639005804 nsp nsp	C,CERAMIC 330PF-J/50V C,CERAMIC 0.1UF-K/50V C,ELECT 100UF-M/25V C,CERAMIC 0.1UF-K/50V C,CERAMIC 0.1UF-K/50V	1910  1910, 790  1910 1910, 790	D010331167160S D011104577160S D040101084060S D011104577160S D011104577160S		
	C1363 C1366 C1367,1368 C1369,1370 C1371,1372	nsp 00D9639003097 00D9630234205 nsp nsp	C,CERAMIC 0.1UF-K/50V C,FILM 0.1UF-K/250V C,ELECT 10UF-M/50V C,CERAMIC 0.047UF-Z/50V C,CERAMIC 0.01UF-K/50V	1910, 790	D011104577160S D02010407H080S D040100087070S D011473597160S D011103777160S		
	C1373 C1374 C1385 C1396 C1397	nsp nsp nsp nsp nsp	C,CERAMIC 1000PF-K/50V C,CERAMIC 2200PF-K/50V C,CERAMIC 0.1UF-K/50V C,CERAMIC 0.047UF-Z/50V C,CERAMIC 0.01UF-K/50V		D011102777160S D011222777160S D011104577160S D011473597160S D011103777160S		
	C1398 C1399	nsp nsp	C,CERAMIC 0.047UF-Z/50V C,CERAMIC 0.01UF-K/50V		D011473597160S D011103777160S		
<b>OTHERS PARTS GROUP</b>							
	BD1300-1304 BD1305,1306  CN1012 CN1300A  CN1301,1302	00D9630223009 963115003230S  nsp 00D9630368506  nsp	R,THICK 0-J,1/16W COIL,BEAD CBW160808U121T  CN,WIRE 3P CN.FPC 35P  CN.WAFER 4P		C20000006M160S D340160811210S  L002601032620S L131103500010S  L101100030410S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	CN1303A CN1304A CN1305 CN1306	nsp nsp nsp nsp	CN,WIRE 5P CN,WIRE 5P CN,WIRE 11P CN,WIRE 3P		L000450050010S L000450050010S L002700110020S L000500030050S		
	CN1310,1311 CN1501 CN1705 CP1001	nsp nsp nsp nsp	CN.WAFER 7P CN,WIRE 3P CN,WIRE 2P CN.WAFER 5P	1910, 790	L101100030710S L002501032620S L000401020050S L101200100510S		
	CP1002 CP1300 CP1301,1302 CP1305 CP1306	nsp nsp nsp nsp nsp	CN.WAFER 6P CN.WAFER 3P CN.WAFER 4P CN.WAFER 11P CN.WAFER 3P	1910, 790	L102526700600S L102526803010S L101100040410S L101200101120S L101200100310S		
	CP1307 CP1309 CP1310,1311 CP1500 CP1800	nsp nsp nsp nsp nsp	CN.WAFER 4P ANGLE CN.WAFER 3P CN.WAFER 7P CN.WAFER 15P CN.WAFER 15P	1910, 790	L102526800400S L102526700300S L101100040710S L101100041510S L101100041510S		
	G1303 G1304 JACK301	nsp nsp 00D9630367802	RING,TER WIRE 120MM/1P RING,TER WIRE 80MM/2P JACK,D3.5 EARPHONE		8410121010060S 8410800020040S G401PJ354H40YS		
	JACK304 JACK1300 JACK1300 JK1301	00D9630146403 963646001690S 00D9630257208 00D9630294708	TER,RCA 3PIN TER,BOARD SCREW 8P TER,BOARD SCREW 4P JACK,D6.5 PHONE	1910 790	G606308HG110YS G614108V1010MS G612405E0200YS G402PJ612AG0YS		
	L1300 RLY1300 RLY1301	nsp 963682003410S 963682003410S	COIL INDUCTOR 100UH RELAY HL3-2A-12S 12V 5A RELAY HL3-2A-12S 12V 5A	1910 1910, 790	D330101001020S G680120503020S G680120503020S		
	RMC1300 SW301 SW1300	00D9630217808 00D9630145802 00D9630095305	MODULE,REMOCON NJL34H380A SW,PUSH SDDL-005-S(C-UL) SW,TACT SKHV10910D01		E940343800010S G000122006060S G180040500010S		
	SW1300A SW1300C SW1301A SW1301C SW1302A	00D9630095305 00D9630095305 00D9630095305 00D9630095305 00D9630095305	SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10910D01		G180040500010S G180040500010S G180040500010S G180040500010S G180040500010S		
	SW1302B SW1302C SW1303A SW1303B SW1303C	00D9630095305 00D9630095305 00D9630095305 00D9630095305 00D9630095305	SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10910D01		G180040500010S G180040500010S G180040500010S G180040500010S G180040500010S		
	SW1304A SW1304B SW1304C SW1305A SW1305B	00D9630095305 00D9630095305 00D9630095305 00D9630095305 00D9630095305	SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10910D01 SW,TACT SKHV10910D01		G180040500010S G180040500010S G180040500010S G180040500010S G180040500010S		
	SW1305C SW1306A	00D9630095305 00D9630095305	SW,TACT SKHV10910D01 SW,TACT SKHV10910D01		G180040500010S G180040500010S		

	<b>Ref. No.</b>	<b>Part No.</b>	<b>Part Name</b>	<b>Remarks</b>		<b>Q'ty</b>	<b>New</b>
	SW1306B	00D9630095305	SW,TACT SKHV10910D01		G180040500010S		
	SW1306C	00D9630095305	SW,TACT SKHV10910D01		G180040500010S		
	SW1307B	00D9630095305	SW,TACT SKHV10910D01		G180040500010S		
	SW1307C	00D9630095305	SW,TACT SKHV10910D01		G180040500010S		
	SW1308B	00D9630095305	SW,TACT SKHV10910D01		G180040500010S		
	SW1309B	00D9630095305	SW,TACT SKHV10910D01		G180040500010S		
	VEC1300,1301	00D9630387408	SW,ENCODER EC16B24SO		G121162400070S		
	FLD1300	963172003430D	DISPLAY,FLT 18-ST-11GINK		K530180110010S		
	CLP1301	nsp	CLAMP WIRE(SOLDER)		4330000120000S		
	CLP1302	nsp	CLAMP WIRE(SOLDER)		4330000120000S		
		nsp	HOLDER FLT		4320200026000S		

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# PCB INPUT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
<b>SEMICONDUCTORS GROUP</b>							
	IC1500,1501	963239001880S	IC AZ4580M		J121458000020S		
	IC1503	963239001880S	IC AZ4580M		J121458000020S		
	IC1504	963239000650S	IC R2A15218FP		J084152180010S		
	IC1511,1512	963239001880S	IC AZ4580M		J121458000020S		
	Q1500,1501	00D9600196807	TR 2SK117Y		J5441170Y0050S		
	Q1502	00D9630120704	TR KRA102S		J520010200210S		
	Q1503	00D9600285006	TR KRC104S		J522104S00210S		
	Q1504-1511	00D9630044301	TR KTC2875B(MB)		J5222875B0010S		
	D1506,1507	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	ZD1500,1501	00D9600222603	D,ZENER MTZJ7.5A		K06007R544530S		
<b>RESISTORS GROUP</b>							
	R1565	963125004330S	R,METAL FILM 82-J,1W		C060082065050S		
	R1567	963125004330S	R,METAL FILM 82-J,1W		C060082065050S		
	R1591,1592	00D9639005639	R,METAL FILM 100-J,1W		C060010165060S		
<b>CAPACITORS GROUP</b>							
	C1500	00D9630223009	R,THICK 0-J,1/16W		C20000006M160S		
	C1500C	00D9630234205	C,ELECT 10UF-M/50V	1910, 790	D040100087070S		
	C1500D	00D9630234205	C,ELECT 10UF-M/50V	1910, 790	D040100087070S		
	C1500E	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500F	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500G	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500H	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500J	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500K	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500L	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500M	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500N	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500P	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500R	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1500S	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1501,1502	00D9630223009	R,THICK 0-J,1/16W		C20000006M160S		
	C1505-1508	nsp	C,CERAMIC 330PF-J/50V	1910, 790	D010331167160S		
	C1509-1514	nsp	C,CERAMIC 330PF-J/50V		D010331167160S		
	C1515-1518	nsp	C,CERAMIC 20PF-J/50V		D010200167160S		
	C1520	nsp	C,CERAMIC 2200PF-K/50V		D011222777160S		
	C1523,1524	nsp	C,CERAMIC 2200PF-K/50V		D011222777160S		
	C1526	nsp	C,CERAMIC 2200PF-K/50V		D011222777160S		
	C1534	nsp	C,CERAMIC 2200PF-K/50V		D011222777160S		
	C1535-1537	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1538,1539	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
	C1540	nsp	C,CERAMIC 0.01UF-K/50V		D010103777160S		
	C1542	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
	C1543-1548	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1549,1550	00D9639006214	C,ELECT 3.3UF-M/50V		D0403R3087050S		
	C1554	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1555,1556	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1557	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C1562,1563	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
	C1564,1565	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1568	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1570	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1571	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1572-1574	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1575	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1576	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1577-1581	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1582,1583	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1584	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1585,1586	00D9639005804	C,ELECT 100UF-M/25V		D040101084060S		
	C1593	nsp	C,CERAMIC 2200PF-K/50V		D011222777160S		
	C1595	nsp	C,CERAMIC 2200PF-K/50V		D011222777160S		
	C1597	nsp	C,CERAMIC 2200PF-K/50V		D011222777160S		
	C1599C	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1599FL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1599FR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1599SBL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1599SBR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1599SL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1599SR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1599SW	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1601N	nsp	C,CERAMIC 0.047UF-Z/50V		D011473597160S		
	C1601P	nsp	C,CERAMIC 0.047UF-Z/50V		D011473597160S		
	C1601R	nsp	C,CERAMIC 0.047UF-Z/50V		D011473597160S		
	C1601S	nsp	C,CERAMIC 0.047UF-Z/50V		D011473597160S		
	C1602N	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1602P	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1602R	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1602S	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
<b>OTHERS PARTS GROUP</b>							
	CN1006	nsp	CN.WAFER 17P		L101100031710S		
	CN1008	nsp	CN.WAFER 16P		L101100031610S		
	CN1101	nsp	CN.WAFER 15P		L101100031510S		
	CN1104	nsp	CN.WAFER 5P		L101100030510S		
	CN1500	nsp	CN.WAFER 15P	1910, 790	L101100031510S		
	CN1700		CN,WIRE 11P		L00225112620S		
	CP1200	nsp	CN.WAFER 13P	1910, 790	L101200101320S		
	CP1200	nsp	CN.WAFER 9P	1610, 1620, 590	L101200100920S		
	CP1501	nsp	CN.WAFER 3P		L101200100310S		
	JACK1501	90M-YT004640R	MODULE JSR1165-C	1910, 790	G601207AE020YS		
	JACK1502	00D9630132307	TER,RCA 6PIN		G603603B05000S		
	JACK1505	00D9630132307	TER,RCA 6PIN		G603603B05000S		

# PCB POWER ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
<b>SEMICONDUCTORS GROUP</b>							
IC1700	00D2630801004	IC NJM7812FA			J126781200010S		
IC1701	00D2630641002	IC NJM7912FA			J126791200080S		
IC1702	00D2630801004	IC NJM7812FA			J126781200010S		
IC1703	00D9600262605	IC NJM2396F05			J126239600010S		
IC1704	00D9600195808	IC ICP-N15			J120001500030S		
Q1323	00D9630121606	TR KRC107S		1610, 1620, 590	J522107S00210S		
Q1700	00D9630327808	TR KTA1281Y			J5001281Y0010S		
Q1701	00D9630328001	TR 2SC KTC3209Y			J5023209Y0010S		
Q1702	00D9600097304	TR KRC102M			J6020102M0010S		
Q1703	90M-HT100330R	TR 2SA KTA1267Y			J5001267Y0050S		
Q1704	00D9600196409	TR 2SC1740SR			J5021740S0010S		
Q1705	00D9630121208	TR KRC107M			J6020107M0010S		
Q1706	00D9600196409	TR 2SC1740SR			J5021740S0010S		
D1320	00D9630355401	D,SWITCHING KDS4148U		1610, 1620, 590	K005041480030S		
D1700	00D9630236504	D,SWITCHING AX-52			K120072140010S		
D1701-1703	00D9630020309	D,SWITCHING 1SS133T			K000013300520S		
D1704	00D9630236504	D,SWITCHING AX-52			K120072140010S		
D1705,1706	00D9630020309	D,SWITCHING 1SS133T			K000013300520S		
D1707,1708	00D9630328409	D,SWITCHING 1N4007			K000400700010S		
D1709	00D9630020309	D,SWITCHING 1SS133T			K000013300520S		
D1710,1711	00D9630328409	D,SWITCHING 1N4007			K000400700010S		
D1712	00D9630020309	D,SWITCHING 1SS133T			K000013300520S		
D1713	00D9630328409	D,SWITCHING 1N4007			K000400700010S		
D1714	00D9630020309	D,SWITCHING 1SS133T			K000013300520S		
D1715-1717	00D9630328409	D,SWITCHING 1N4007			K000400700010S		
ZD1700,1701	00D9600096004	D,ZENER MTZJ33B			K06033R044520S		
ZD1702	00D9630058601	D,ZENER MTZJ12B			K06012R044520S		
ZD1703	00D9600095500	D,ZENER MTZJ5.1B			K06005R144520S		
<b>RESISTORS GROUP</b>							
R1307,1308	00D9639006256	R,FIXED 1WJ-10		1610, 1620, 590	N113135610020S		
R1708	00D9630048103	R,METAL 150-J,1W-R			C060015165050S		
R1709	00D2412376964	R,METAL 47-J,1/4W-R			C060047063050S		
R1714,1715	00D9630216003	R,METAL 0.22-J,1W-R			C060R22065050S		
R1718,1719	00D9630216003	R,METAL 0.22-J,1W-R			C060R22065050S		
<b>CAPACITORS GROUP</b>							
C1302	nsp	C,CERAMIC 0.1UF-K/50V		1610, 1620, 590	D011104577160S		
C1305	nsp	C,CERAMIC 0.1UF-K/50V		1610, 1620, 590	D011104577160S		
C1306	00D9639005804	C,ELECT 100UF-M/25V		1610, 1620, 590	D040101084060S		
C1307,1308	nsp	C,FILM 0.1UF-J/50V		1610, 1620, 590	D020104167050S		
C1338,1339	nsp	C,FILM 0.015UF-J/100V		1610, 1620, 590	D02015306C060S		
C1700	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)			D040010087150S		
C1701	963134004320S	C,ELECT 6800UF-M/25V			D040682084070S		
C1702,1703	963134002070S	C,ELECT 100UF-M/35V(Pb Free)			D040101085070S		
C1704	00D9609009966	C,ELECT 2200UF-M/25V			D040222084030S		
C1705	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)			D040010087150S		
C1706	00D9630234205	C,ELECT 10UF-M/50V			D040100087070S		
C1707	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)			D040010087150S		
C1708	00D9630323802	C,CERAMIC 0.0047UF 250VAC			D00847208H010S		
C1709	00D9630217002	C,ELECT 3300UF-M/16V			D040332083010S		

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
C1710 C1711 C1712-1714	963134001860S 00D9630293602 00D9630021900	C,ELECT 470UF-M/16V C,ELECT 1UF-M/50V (Pb Free) C, FILM 0.047UF-J/100V		D040471083080S D040010087150S D02047306C060S	
<b>OTHERS PARTS GROUP</b>					
CN1701 CN1702	nsp nsp	CN.WAFER 7P CN.WAFER 6P		L101100030710S L101100030610S	
CN1708  CP1003 CP1004 CP1100	nsp nsp nsp nsp	CN,WIRE 2P  CN.WAFER 3P CN.WAFER 4P CN.WAFER 19P	1910E3, 1910E2, 790E3  1610, 1620, 590 1610, 1620, 590	L000121020190S  L101200100310S L102526700400S L101100041910S	
CP1101 CP1103 CP1104 CP1105 CP1700	nsp nsp nsp nsp nsp	CN.WAFER 15P CN.WAFER 18P CN.WAFER 5P CN.WAFER 19P CN.WAFER 11P		L101100041510S L101100041810S L101100040510S L101100041910S L101200101110S	
CP1701 CP1702 CP1704 CP1705 CP1706	nsp nsp nsp nsp nsp	CN.WAFER 7P CN.WAFER 6P CN.WAFER 2CKT,YEL CN.WAFER 2CKT,RED CN.WAFER 3P		L101100040710S L101100040610S L108353280290S L108353280280S L102526803010S	
CP1707 CP1708  F1700 F1700	nsp nsp 00D9630104908 00D9630237600	CN.WAFER ST2P TERMINAL EARTH  FUSE T6.3A /250V FUSE T4A /250V	1910E3, 1910E2, 790E3  E3 E2, E1C, EA	L108202000220S L108353280260S  N751226301110S N751224001110S	
F1700A F1700B  F1701  F1701 F1701A	nsp nsp 00D9630236106 00D9630104704 nsp	HOLDER,FUSE CLIP HOLDER,FUSE CLIP FUSE T8A /250V FUSE T2.5A /250V HOLDER,FUSE CLIP	E3 E2 1910E3/E2, 790E3	G645000050010S G645000050010S N751228001110S N751222501110S G645000050010S	
F1701B  GND1700  JACK1700	nsp nsp 00D9600181508	HOLDER,FUSE CLIP TERMINAL EARTH  SOCKET,POWER RECEPTA	1910E3/E2, 790E3  1910/790E3	G645000050010S 3790040886000S  G435204004010S	
JACK1700  JACK1301  RLY1300 RLY1304	963641000810S 00D9630257208 963682000640S 963682003410S	SOCKET,POWER RECEPTA (220V) TER,BOARD SCREW 4P RELAY HL3-1A-6SH RELAY HL3-2A-12S 12V 5A	1910E2 1610, 1620, 590  1610, 1620, 590	G435302D00600S G612405E0200YS  G680060102020S G680120503020S	
SUB1700 SUB1700 SUB1700	00D9630387602 00D9630382801 00D9630383004	POWER TRANS 120V/60HZ POWER TRANS 230V/50HZ POWER TRANS 220V/50,60HZ	E3 E3, EA E1C	8200280150401S 8200280150410S 8200280150420S	
BK1700 CLP1700 CLP1701 CLP1702	nsp nsp nsp nsp	BRACKET 0.8t/SCREW CLAMP WIRE(SOLDER) CLAMP WIRE(SOLDER) CLAMP WIRE(SOLDER)		4010210196100S 4330000120000S 4330000120000S 4330000120000S	
CLP1703 CLP1704  00D9630104704	nsp nsp 00D9630104704 nsp	CLAMP WIRE(SOLDER) CLAMP WIRE(SOLDER) FUSE T2.5A /250V LABEL T2.5AL 250V / FUSE	1610, 1620, 590 1610, 1620, 590 1910E2 1910E2	4330000120000S 4330000120000S N751222501110S 5507000006270S	
	nsp	LABEL T4AL 250V / FUSE	E2, E1C, EA	5507000006260S	

## PCB HDMI ASS'Y (1910/790 model)

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
<b>SEMICONDUCTORS GROUP</b>							
	IC1	nsp	IC ADV7840		J040784000010S		
	IC4	231810017504S	IC TK73318WTL-G		J126733180010S		
	IC5	236810059008S	IC ADV7510		J040751000010S		
	IC8	246810009604S	IC W9864G2GH-6		J001986460010S		
	IC9	nsp	IC EN29LV160BB-70TIP		J005291600050S		
	IC10	245810005005D	IC ADSP-21367		J080213670020S		
	IC11	nsp	IC EN5311Q		J048531100010S		
	IC12	90M-HC900100R	IC SE1117-33-PF		J126111733020S		
	IC13	237810004001D	IC ADAU1328		J080132800000S		
	IC14	236810062608S	IC LC89058W-E		J046890580010S		
	IC18,19	963239004190S	IC AOZ1021AI		J048102100010S		
	IC20,21	00D9630043807	IC BA4510F-E2/SOP8		J121451000010S		
	IC22-25	963239001880S	IC AZ4580M		J121458000020S		
	IC26	00D2622813903	SN74AHCT08PW-EL2 +C		J040740800190S		
	IC27	00D2622517908	IC SN74LVO8APW-EL2		J040740800200S		
	IC28	963248004470D	IC R5F3650TNFB		-		
	IC29	963239004190S	IC AOZ1021AI		J048102100010S		
	IC30	963239004180S	IC IC42S16400F-6TL		J001421640040S		
	IC31	236810060008S	IC ABT1030		J080103000010S		
	IC32	00D9630244907	IC SN74LV14APWR		J040741400180S		
	IC33	963239002150S	IC SN74LVC244APWR		J040742440230S		
	IC34	nsp	IC EPM3032A-TC44		J003303200010S		
	IC35	963239004190S	IC AOZ1021AI		J048102100010S		
	Q1	00D9630120801	TR KRC102S		J522010200210S		
	Q2	00D9600285006	TR KRC104S		J522104S00210S		
	Q3	00D9630120801	TR KRC102S		J522010200210S		
	Q4	00D9600285006	TR KRC104S		J522104S00210S		
	Q5	00D9630120801	TR KRC102S		J522010200210S		
	Q6,7	00D9600285006	TR KRC104S		J522104S00210S		
	Q8	00D9630120801	TR KRC102S		J522010200210S		
	Q9,10	00D9600285006	TR KRC104S		J522104S00210S		
	Q11	00D9630120801	TR KRC102S		J522010200210S		
	Q12	00D9630120704	TR KRA102S		J520010200210S		
	Q13	00D9630120801	TR KRC102S		J522010200210S		
	Q14	00D9630120704	TR KRA102S		J520010200210S		
	Q15	00D9630120801	TR KRC102S		J522010200210S		
	Q16	00D9630121402	TR 2SA KRA104S R1		J520010400210S		
	Q17	963219002180S	TR 2SD2114KT146W		J5232114K0010S		
	Q18,19	00D9630121509	TR KTC3875S		J522038750210S		
	Q20	00D9630120801	TR KRC102S		J522010200210S		
	Q21	00D9630120704	TR KRA102S		J520010200210S		
	Q22	00D9630121509	TR KTC3875S		J522038750210S		
	Q23	00D9600285006	TR KRC104S		J522104S00210S		
	Q24	963219002190S	TR 2SA KTA1242D-Y		J500124200010S		
	Q25	00D9630121509	TR KTC3875S		J522038750210S		
	Q26	00D9600285006	TR KRC104S		J522104S00210S		
	Q27	00D9630120801	TR KRC102S		J522010200210S		
	Q28	00D9630121509	TR KTC3875S		J522038750210S		
	Q29	00D9630120704	TR KRA102S		J520010200210S		
	Q30	00D9630121509	TR KTC3875S		J522038750210S		
	Q31	00D9630120704	TR KRA102S		J520010200210S		
	Q32	963219004200S	CHIP FDC608PZ P-CH		J543608000010S		
	Q33,34	00D9630120801	TR KRC102S		J522010200210S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	Q35	00D9630120704	TR KRA102S		J520010200210S		
	Q36	00D2750110905	HN1K02FU-TE85L				
		229410001500S	MCH6602				
	D1-3	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D4-11	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	D12-14	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D15-22	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	D23-25	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D26-33	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	D34	00D9600197000	D,SWITCHING KDS160(UF) /USC		K005016000010S		
	D35-37	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D38-45	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	D46	00D9600197000	D,SWITCHING KDS160(UF) /USC		K005016000010S		
	D48	00D9600197000	D,SWITCHING KDS160(UF) /USC		K005016000010S		
	D50-52	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D53-60	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	D61	00D9600197000	D,SWITCHING KDS160(UF) /USC		K005016000010S		
	D63	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D64-67	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	ZD1	00D9630382500	D,ZENER 0.2W 5.1V UDZ		K06605R14P400S		

**CAPACITORS GROUP**

C1	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C2	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C3	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C5,6	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C7-11	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C12	nsp	C,CERAMIC 0.082UF-K/16V		D011823173100S		
C13	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C14,15	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C16,17	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C18-23	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C30,31	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C32,33	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C34-36	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C37	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C38,39	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C40	nsp	C,CERAMIC 0.82UF-K/10V		D011824772162S		
C41	nsp	C,CERAMIC 0.039UF-K/50V		D011393177101S		
C42	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C43	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
C45-47	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C48	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
C50,51	nsp	C,CERAMIC T.C COG12PF-J/50V		D010120167160S		
C52,53	nsp	C,CERAMIC COG15PF-J/50V		D010150167160S		
C55	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C56,57	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C58,59	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C60-63	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C64,65	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C66,67	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C68	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C69	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
C70-73	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C74,75	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C76-80	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C81	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C82	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C83	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C84-86	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C87	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
C89	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C90	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C91-94	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C95,96	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C97,98	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C99-103	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C104	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C105,106	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C107	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C108-113	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C114	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C115,116	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C117	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
C119	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C120	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C121	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C122,123	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C124,125	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C126,127	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C128,129	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C130,131	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C132,133	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C134,135	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C136-141	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C142	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C143	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
C144	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C146	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C147	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
C151	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C152,153	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C159	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C161	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
C163-165	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C166	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C167,168	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C169	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
C171-173	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C174	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C175,176	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C182	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C183,184	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C187	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C188-190	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C193	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
C196,197	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C198,199	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C201-205	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
C206-209	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C210-213	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C214	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C215-218	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
C219-222	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C223-227	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C228,229	nsp	C,CERAMIC 9PF-D/50V		D010090117160S		
C230	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C231	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C232	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
C233	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C234	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C235	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
C236	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C237,238	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C239	00D9630325004	C,ELECT 100UF-MVG/6.3V		D050101081650S		
C240	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C241	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C242,243	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C244-246	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C247	00D9630325004	C,ELECT 100UF-MVG/6.3V		D050101081650S		
C248	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C249	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C250	nsp	C,CERAMIC 9PF-D/50V		D010090117160S		
C251,252	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C253	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C254	963134004300S	C,ELECT 33UF-MVK/16V		D050330083100S		
C255	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C256	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
C257	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C258	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C259,260	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C261	nsp	C,CERAMIC 9PF-D/50V		D010090117160S		
C262-265	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C266	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C267	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
C268	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C269	nsp	C,CERAMIC 5600PF-K/25V		D011562177101S		
C270	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C271	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C273	nsp	C,CERAMIC 390PF-K/50V		D011391177101S		
C274,275	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C277	nsp	C,CERAMIC 0.022UF-K/25V		D011223174100S		
C278	00D9630325305	C,ELECT 47UF-MVG/6.3V		D050470081460S		
C279,280	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C282	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C283	00D9630338509	C,ELECT 10UF-MVG/16V		D050100083460S		
C284	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C285	00D9630325004	C,ELECT 100UF-MVG/6.3V		D050101081650S		
C286,287	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C288,289	nsp	C,CERAMIC 10UF-K/16V		D011106573200S		
C290,291	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C292,293	nsp	C,CERAMIC 2200PF-K/50V		D011222177101S		
C294-297	nsp	C,CERAMIC 10UF-K/25V		D011106574300S		
C298	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C299	nsp	C,CERAMIC 120PF-J/50V		D011121167101S		

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
C300 C301	00D9630338509 nsp	C,ELECT 10UF-MVG/16V C,CERAMIC 0.1UF-K/50V		D050100083460S D011104577160S		
C302,303 C304 C305 C306 C307	00D9630324801 nsp 963134004290S nsp nsp	C,ELECT 10UF-MVG/25V C,CERAMIC 470PF-K/50V C,ELECT 1UF-MV/50V C,CERAMIC 1000PF-K/50V C,CERAMIC 120PF-J/50V		D050100084200S D011471177101S D040010087220S D011102177101S D011121167101S		
C308 C309,310 C311 C312 C314	00D9630338509 nsp nsp nsp nsp	C,ELECT 10UF-MVG/16V C,CERAMIC 0.1UF-K/50V C,CERAMIC 390PF-K/50V C,CERAMIC 0.1UF-K/50V C,CERAMIC 470PF-K/50V		D050100083460S D011104577160S D011391177101S D011104577160S D011471177101S		
C315 C316 C318 C319 C320,321	963134004290S nsp nsp 963134004290S nsp	C,ELECT 1UF-MV/50V C,CERAMIC 390PF-K/50V C,CERAMIC 270PF-J/50V C,ELECT 1UF-MV/50V C,CERAMIC 0.1UF-K/50V		D040010087220S D011391177101S D011271167101S D040010087220S D011104577160S		
C322 C324 C325 C326 C328	nsp nsp 963134004290S nsp nsp	C,CERAMIC 330PF-J/50V C,CERAMIC 270PF-J/50V C,ELECT 1UF-MV/50V C,CERAMIC 330PF-J/50V C,CERAMIC 470PF-K/50V		D011331167101S D011271167101S D040010087220S D011331167101S D011471177101S		
C329 C330 C332 C333 C334	963134004290S nsp nsp 963134004290S nsp	C,ELECT 1UF-MV/50V C,CERAMIC 390PF-K/50V C,CERAMIC 470PF-K/50V C,ELECT 1UF-MV/50V C,CERAMIC 390PF-K/50V		D040010087220S D011391177101S D011471177101S D040010087220S D011391177101S		
C336 C337 C338 C340 C341	nsp 00D9630338509 nsp nsp 00D9630338509	C,CERAMIC )39PF-J/50V C,ELECT 10UF-MVG/16V C,CERAMIC 270PF-J/50V C,CERAMIC )39PF-J/50V C,ELECT 10UF-MVG/16V		D011390167101S D050100083460S D011271167101S D011390167101S D050100083460S		
C342 C344 C346,347 C348 C349-351	nsp nsp nsp nsp nsp	C,CERAMIC 270PF-J/50V C,CERAMIC 0.1UF-K/50V C,CERAMIC 0.1UF-K/50V C,CERAMIC 220PF-J/50V C,CERAMIC 0.1UF-K/50V		D011271167101S D011104577160S D011104577160S D011221167101S D011104577160S		
C352 C353 C354 C355,356 C357,358	nsp nsp 00D9630325004 nsp nsp	C,CERAMIC 1000PF-K/50V C,CERAMIC 0.1UF-K/50V C,ELECT 100UF-MVG/6.3V C,CERAMIC 100PF-J/50V C,CERAMIC 1000PF-K/50V		D011102177101S D011104577160S D050101081650S D011101167101S D011102177101S		
C359 C360 C361 C362 C363	963134004280S nsp nsp nsp nsp	C,ELECT 0.1UF-MVG/50V C,CERAMIC 1000PF-K/50V C,CERAMIC 0.1UF-K/50V C,CERAMIC 1000PF-K/50V C,CERAMIC 0.1UF-K/50V		D050R10080200S D011102177101S D011104577160S D011102177101S D011104577160S		
C364,365 C366-370 C371,372 C373-375 C376	nsp nsp 00D9630324801 nsp nsp	C,CERAMIC COG15PF-J/50V C,CERAMIC 0.1UF-K/50V C,ELECT 10UF-MVG/25V C,CERAMIC 1000PF-K/50V C,CERAMIC 10UF-K/16V		D010150167160S D011104577160S D050100084200S D011102177101S D011106573200S		
C377 C378,379 C380-382 C383,384	nsp nsp nsp nsp	C,CERAMIC 0.47UF-K/10V C,CERAMIC 10UF-K/25V C,CERAMIC 10UF-K/16V C,CERAMIC 10UF-K/25V		D011474772100S D011106574300S D011106573200S D011106574300S		

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
C385,386	nsp	C,CERAMIC 10UF-K/16V		D011106573200S		
C387	134750095503S	CE67C0J220MT(PXA)		D050220081660S		
C388,389	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C390-397	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C398-402	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C403	nsp	C,CERAMIC 2200PF-K/50V		D011222177101S		
C404,405	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C406,407	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C408,409	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C410,411	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C412	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C413	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C414,415	nsp	C,CERAMIC T.C COG12PF-J/50V		D010120167160S		
C416,417	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C418	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C419-422	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C423-425	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C426	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C427	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C428	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C429	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C430	963134004310S	C,ELECT 22UF-MV/6.3V		D050220081450S		
C431,432	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C433-443	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C444-448	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C449-454	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C455,456	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C457,458	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C459	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C460-468	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C469	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C470,471	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C472	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C473	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C474	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C475,476	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C477	nsp	C,CERAMIC 2200PF-K/50V		D011222177101S		
C479	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C482	nsp	CERAMIC 10UF-K/16V		D011106573200S		
C485	nsp	C,CERAMIC 2200PF-K/50V		D011222177101S		
C486	nsp	C,CERAMIC 2.2UF-Z/10V		D011225592160S		
C487	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
C488	nsp	C,CERAMIC 2200PF-K/50V		D011222177101S		
C489-494	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C495	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C498-500	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
<b>OTHERS PARTS GROUP</b>						
BD1	963115003230S	COIL,BEAD CBW160808U121T		D340160811210S		
BD2	00D9630223009	R,THICK 0-J,1/16W		C20000006M160S		
CB1,2	963119004270S	COIL,BEAD BLM21PG221SN1		D340201212210S		
CB3	963115003230S	COIL,BEAD CBW160808U121T		D340160811210S		
CB4	963119004270S	COIL,BEAD BLM21PG221SN1		D340201212210S		
CB5	963115003230S	COIL,BEAD CBW160808U121T		D340160811210S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	CB6-8 CB9-11 CB12-14	963119004270S 00D9630338800 963115003230S	COIL,BEAD BLM21PG221SN1 COIL,CHIP FLC32C220K 22UH COIL,BEAD CBW160808U121T		D340201212210S D307322200220S D340160811210S		
	CN1011	nsp	CN.WAFER 7P		L101100030710S		
	CN1013 CN1100 CN1102 CP1003	nsp nsp nsp nsp	CN.WAFER 16P CN.WAFER 19P CN.WAFER 19P CN.WAFER 10P		L101100031610S L101100031910S L101100031910S L101200101020S		
	JACK1-5 L1-4	00D9630388504 963115004260S	19PIN HDMI CONNECTOR COIL,INDUCTOR B82464Z4472M		L109100190020S D310824644720S		
	TP14,15 TP21,22 X1 X2	963644002240S 00D9630342508 00D3991054900 00D3991053901	CN.FPC 11P CN.FPC 7P CRYSTAL CHIP FCX-03(20.815MHz) CRYSTAL CHIP FCX-03(24.5760MHz)		L130961110010S L130961070010S E80520R815010S E80524R576010S		
	X3 X4 XTAL1,2	141810019508S 141810006502S 00D3991052902	DENON TXC7A(16MHZ) CRYSTAL CHIP 27.000MHz FCX-03 CRYSTAL CHIP FCX-03(28.6363MHz)		T141810019508S E80527R000030S E80528R630010S		
	LUG1	nsp nsp nsp	RING,TER WIRE HEAT SINK PLATE HDMI		8410101010070S 2120211498000S 4470211716000S		

# PCB HDMI ASS'Y (1610/1620/590 model)

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
<b>SEMICONDUCTORS GROUP</b>							
	IC1	nsp	IC ADV7840		J040784000010S		
	IC4	231810017504S	IC TK73318WTL-G		J126733180010S		
	IC5	236810059008S	IC ADV7510		J040751000010S		
	IC8	246810009604S	IC W9864G2GH-6		J001986460010S		
	IC9	nsp	IC EN29LV160BB-70TIP		J005291600050S		
	IC10	245810005005D	IC ADSP-21367		J080213670020S		
	IC11	nsp	IC EN5311Q		J048531100010S		
	IC12	90M-HC900100R	IC SE1117-33-PF		J126111733020S		
	IC13	237810004001D	IC ADAU1328		J080132800000S		
	IC14	236810062608S	IC LC89058W-E		J046890580010S		
	IC18,19	963239004190S	IC AOZ1021AI		J048102100010S		
	IC20,21	00D9630043807	IC BA4510F-E2/SOP8		J121451000010S		
	IC22-25	963239001880S	IC AZ4580M		J121458000020S		
	IC26	00D2622813903	SN74AHCT08PW-EL2 +C		J040740800190S		
	IC27	00D2622517908	IC SN74LVO8APW-EL2		J040740800200S		
	IC28	963248004480D	IC R5F3650ENFB		-		
	IC33	963239002150S	IC SN74LVC244APWR		J040742440230S		
	IC34	nsp	IC EPM3032A-TC44		J003303200010S		
	IC35	963239004190S	IC AOZ1021AI		J048102100010S		
	Q1	00D9630120801	TR KRC102S		J522010200210S		
	Q2	00D9600285006	TR KRC104S		J522104S00210S		
	Q3	00D9630120801	TR KRC102S		J522010200210S		
	Q4	00D9600285006	TR KRC104S		J522104S00210S		
	Q5	00D9630120801	TR KRC102S		J522010200210S		
	Q6,7	00D9600285006	TR KRC104S		J522104S00210S		
	Q10	00D9600285006	TR KRC104S		J522104S00210S		
	Q11	00D9630120801	TR KRC102S		J522010200210S		
	Q12	00D9630120704	TR KRA102S		J520010200210S		
	Q13	00D9630120801	TR KRC102S		J522010200210S		
	Q14	00D9630120704	TR KRA102S		J520010200210S		
	Q15	00D9630120801	TR KRC102S		J522010200210S		
	Q16	00D9630121402	TR 2SA KRA104S R1		J520010400210S		
	Q17	963219002180S	TR 2SD2114KT146W		J5232114K0010S		
	Q18,19	00D9630121509	TR KTC3875S		J522038750210S		
	Q20	00D9630120801	TR KRC102S		J522010200210S		
	Q21	00D9630120704	TR KRA102S		J520010200210S		
	Q22	00D9630121509	TR KTC3875S		J522038750210S		
	Q23	00D9600285006	TR KRC104S		J522104S00210S		
	Q24	00D9630120801	TR KRC102S		J522010200210S		
	Q25	00D9630120704	TR KRA102S		J520010200210S		
	Q27	00D9630120801	TR KRC102S		J522010200210S		
	Q32	963219004200S	CHIP FDC608PZ P-CH		J543608000010S		
	Q33	00D9630120801	TR KRC102S		J522010200210S		
	D1-3	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D4-11	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	D12-14	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D15-22	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	D23-25	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D26-33	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	D46	00D9600197000	D,SWITCHING KDS160(UF) /USC		K005016000010S		
	D50-52	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D53-60	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	D61	00D9600197000	D,SWITCHING KDS160(UF) /USC		K005016000010S		
	D63	963209003510S	D,ESD CDS3C05HDMI1		K067030500010S		
	D64-67	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	ZD1	00D9630382500	D,ZENER 0.2W 5.1V UDZ		K06605R14P400S		
<b>CAPACITORS GROUP</b>							
	C1	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C2	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C3	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C5,6	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C7-11	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C12	nsp	C,CERAMIC 0.082UF-K/16V		D011823173100S		
	C13	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C14,15	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C16,17	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C18-23	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C30,31	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C32,33	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C34-36	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C37	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
	C38,39	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C40	nsp	C,CERAMIC 0.82UF-K/10V		D011824772162S		
	C41	nsp	C,CERAMIC 0.039UF-K/50V		D011393177101S		
	C42	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C43	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
	C45-47	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C48	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
	C50,51	nsp	C,CERAMIC T.C COG12PF-J/50V		D010120167160S		
	C52,53	nsp	C,CERAMIC COG15PF-J/50V		D010150167160S		
	C55	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C56,57	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C58,59	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C60-63	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C64,65	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
	C66,67	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C68	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C69	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C70-73	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C74,75	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C76-80	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C81	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
	C82	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C83	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C84-86	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C87	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
	C89	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C90	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C91-94	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C95,96	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C97,98	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C99-103	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C104	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
	C105,106	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C107	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C108-113	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C114	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C115,116	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C117	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
	C119	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C120	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C121	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C122,123	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C124,125	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C126,127	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C128,129	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
	C130,131	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C132,133	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C134,135	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C136-141	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C142	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C143	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
	C144	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C146	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C147	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
	C151	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C152,153	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C159	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C161	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
	C163-165	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C166	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
	C167,168	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C169	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
	C171-173	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C174	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
	C175,176	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C182	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C183,184	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C187	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C188-190	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C193	nsp	C,CERAMIC 10UF-Z/6.3V		D011106591160S		
	C196,197	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C198,199	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C201-205	nsp	C,CERAMIC 100PF-J/50V		D011102167101S		
	C206-209	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C210-213	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C214	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C215-218	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
	C219-222	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C223-227	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C228,229	nsp	C,CERAMIC 9PF-D/50V		D010090117160S		
	C230	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C231	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C232	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
	C233	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C234	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C235	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
	C236	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C237,238	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C239	00D9630325004	C,ELECT 100UF-MVG/6.3V		D050101081650S		
	C240	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C241	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C242,243	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C244-246	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C247	00D9630325004	C,ELECT 100UF-MVG/6.3V		D050101081650S		
	C248	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C249	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C250	nsp	C,CERAMIC 9PF-D/50V		D010090117160S		
	C251,252	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C253	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C254	963134004300S	C,ELECT 33UF-MVK/16V		D050330083100S		
	C255	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C256	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
	C257	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C258	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C259,260	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C261	nsp	C,CERAMIC 9PF-D/50V		D010090117160S		
	C262-265	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C266	nsp	C,CERAMIC 4.7UF-Z/6.3V		D011475591160S		
	C267	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
	C268	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C269	nsp	C,CERAMIC 5600PF-K/25V		D011562177101S		
	C270	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C271	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
	C273	nsp	C,CERAMIC 390PF-K/50V		D011391177101S		
	C274,275	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C277	nsp	C,CERAMIC 0.022UF-K/25V		D011223174100S		
	C278	00D9630325305	C,ELECT 47UF-MVG/6.3V		D050470081460S		
	C279,280	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C282	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C283	00D9630338509	C,ELECT 10UF-MVG/16V		D050100083460S		
	C284	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C285	00D9630325004	C,ELECT 100UF-MVG/6.3V		D050101081650S		
	C286,287	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C288,289	nsp	C,CERAMIC 10UF-K/16V		D011106573200S		
	C290,291	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C292,293	nsp	C,CERAMIC 2200PF-K/50V		D011222177101S		
	C294-297	nsp	C,CERAMIC 10UF-K/25V		D011106574300S		
	C298	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C299	nsp	C,CERAMIC 120PF-J/50V		D011121167101S		
	C300	00D9630338509	C,ELECT 10UF-MVG/16V		D050100083460S		
	C301	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C302,303	00D9630324801	C,ELECT 10UF-MVG/25V		D050100084200S		
	C304	nsp	C,CERAMIC 470PF-K/50V		D011471177101S		
	C305	963134004290S	C,ELECT 1UF-MV/50V		D040010087220S		
	C306	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
	C307	nsp	C,CERAMIC 120PF-J/50V		D011121167101S		
	C308	00D9630338509	C,ELECT 10UF-MVG/16V		D050100083460S		
	C309,310	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C311	nsp	C,CERAMIC 390PF-K/50V		D011391177101S		
	C312	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C314	nsp	C,CERAMIC 470PF-K/50V		D011471177101S		
	C315	963134004290S	C,ELECT 1UF-MV/50V		D040010087220S		
	C316	nsp	C,CERAMIC 390PF-K/50V		D011391177101S		
	C318	nsp	C,CERAMIC 270PF-J/50V		D011271167101S		
	C319	963134004290S	C,ELECT 1UF-MV/50V		D040010087220S		
	C320,321	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
C322	nsp	C,CERAMIC 330PF-J/50V		D011331167101S		
C324	nsp	C,CERAMIC 270PF-J/50V		D011271167101S		
C325	963134004290S	C,ELECT 1UF-MV/50V		D040010087220S		
C326	nsp	C,CERAMIC 330PF-J/50V		D011331167101S		
C328	nsp	C,CERAMIC 470PF-K/50V		D011471177101S		
C329	963134004290S	C,ELECT 1UF-MV/50V		D040010087220S		
C330	nsp	C,CERAMIC 390PF-K/50V		D011391177101S		
C332	nsp	C,CERAMIC 470PF-K/50V		D011471177101S		
C333	963134004290S	C,ELECT 1UF-MV/50V		D040010087220S		
C334	nsp	C,CERAMIC 390PF-K/50V		D011391177101S		
C336	nsp	C,CERAMIC )39PF-J/50V		D011390167101S		
C337	00D9630338509	C,ELECT 10UF-MVG/16V		D050100083460S		
C338	nsp	C,CERAMIC 270PF-J/50V		D011271167101S		
C340	nsp	C,CERAMIC )39PF-J/50V		D011390167101S		
C341	00D9630338509	C,ELECT 10UF-MVG/16V		D050100083460S		
C342	nsp	C,CERAMIC 270PF-J/50V		D011271167101S		
C344	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C346,347	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C348	nsp	C,CERAMIC 220PF-J/50V		D011221167101S		
C349-351	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C352	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C353	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C354	00D9630325004	C,ELECT 100UF-MVG/6.3V		D050101081650S		
C355,356	nsp	C,CERAMIC 100PF-J/50V		D011101167101S		
C357,358	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C359	963134004280S	C,ELECT 0.1UF-MVG/50V		D050R10080200S		
C360	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C361	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C362	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C363	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C364,365	nsp	C,CERAMIC COG15PF-J/50V		D010150167160S		
C366-370	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C371,372	00D9630324801	C,ELECT 10UF-MVG/25V		D050100084200S		
C373-375	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C376	nsp	C,CERAMIC 10UF-K/16V		D011106573200S		
C377-379	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C380	nsp	C,CERAMIC 10UF-K/16V		D011106573200S		
C381,382	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C383,384	nsp	C,CERAMIC 10UF-K/25V		D011106574300S		
C385,386	nsp	C,CERAMIC 10UF-K/16V		D011106573200S		
C387	???????	CE67C0J220MT(PXA)		134750095503S		
C390-392	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C449-454	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C455,456	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C457,458	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C459	nsp	C,CERAMIC 0.01UF-K/50V		D011103177101S		
C460-464	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C469	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C470,471	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C472	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C473	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C474	nsp	C,CERAMIC 1000PF-K/50V		D011102177101S		
C475,476	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
C477	nsp	C,CERAMIC 2200PF-K/50V		D011222177101S		
C479	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
C482	nsp	CERAMIC 10UF-K/16V		D011106573200S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C495	nsp	C,CERAMIC 0.1UF-K/50V		D011104177101S		
<b>OTHERS PARTS GROUP</b>							
	BD1	963115003230S	COIL,BEAD CBW160808U121T		D340160811210S		
	BD2	00D9630223009	R,THICK 0-J,1/16W		C20000006M160S		
	CB1,2	963119004270S	COIL,BEAD BLM21PG221SN1		D340201212210S		
	CB3	963115003230S	COIL,BEAD CBW160808U121T		D340160811210S		
	CB4	963119004270S	COIL,BEAD BLM21PG221SN1		D340201212210S		
	CB5	963115003230S	COIL,BEAD CBW160808U121T		D340160811210S		
	CB6-8	963119004270S	COIL,BEAD BLM21PG221SN1		D340201212210S		
	CB9-11	00D9630338800	COIL,CHIP FLC32C220K 22UH		D307322200220S		
	CN1011	nsp	CN.WAFER 7P		L101100030710S		
	CN1013		CN.WAFER 16P		L101100031610S		
	CN1100	nsp	CN.WAFER 19P		L101100031910S		
	CN1102	nsp	CN.WAFER 19P		L101100031910S		
	CP1003	nsp	CN.WAFER 10P		L101200101020S		
	JACK1-3	00D9630388504	19PIN HDMI CONNECTOR		L109100190020S		
	JACK5	00D9630388504	19PIN HDMI CONNECTOR		L109100190020S		
	L1,2	963115004260S	COIL,INDUCTOR B82464Z4472M		D310824644720S		
	L4	963115004260S	COIL,INDUCTOR B82464Z4472M		D310824644720S		
	TP14,15	963644002240S	CN.FPC 11P		L130961110010S		
	TP21	00D9630342508	CN.FPC 7P		L130961070010S		
	X1	00D3991054900	CRYSTAL CHIP FCX-03(20.815MHz)		E80520R815010S		
	X2	00D3991053901	CRYSTAL CHIP FCX-03(24.5760MHz)		E80524R576010S		
	X3	141810019508S	DENON TXC7A(16MHZ)		T141810019508S		
	XTAL1,2	00D3991052902	CRYSTAL CHIP FCX-03(28.6363MHz)		E80528R630010S		
	LUG1	nsp	RING,TER WIRE		8410101010070S		
		nsp	HEAT SINK		2120211498000S		
		nsp	PLATE HDMI		4470211716100S		

**PCB 7CHAMP ASS'Y (1910/790 model)**

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
<b>SEMICONDUCTORS GROUP</b>					
Q1201	00D9600196302	TR KTA1268BL		J5001268B0050S	
Q1204C	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1204FL	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1204FR	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1204SBL	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1204SBR	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1204SL	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1204SR	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1206C	00D9600196205	TR KSA992F		J5000992F0050S	
Q1206FL	00D9600196205	TR KSA992F		J5000992F0050S	
Q1206FR	00D9600196205	TR KSA992F		J5000992F0050S	
Q1206SBL	00D9600196205	TR KSA992F		J5000992F0050S	
Q1206SBR	00D9600196205	TR KSA992F		J5000992F0050S	
Q1206SL	00D9600196205	TR KSA992F		J5000992F0050S	
Q1206SR	00D9600196205	TR KSA992F		J5000992F0050S	
Q1207C	00D9600196205	TR KSA992F		J5000992F0050S	
Q1207FL	00D9600196205	TR KSA992F		J5000992F0050S	
Q1207FR	00D9600196205	TR KSA992F		J5000992F0050S	
Q1207SBL	00D9600196205	TR KSA992F		J5000992F0050S	
Q1207SBR	00D9600196205	TR KSA992F		J5000992F0050S	
Q1207SL	00D9600196205	TR KSA992F		J5000992F0050S	
Q1207SR	00D9600196205	TR KSA992F		J5000992F0050S	
Q1208C	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1208FL	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1208FR	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1208SBL	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1208SBR	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1208SL	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1208SR	00D9600196700	TR KTC3200BL		J5023200B0050S	
Q1209C	00D2710318909	TR 2SA 2N5401S		J520254010010S	
Q1209FL	00D2710318909	TR 2SA 2N5401S		J520254010010S	
Q1209FR	00D2710318909	TR 2SA 2N5401S		J520254010010S	
Q1209SBL	00D2710318909	TR 2SA 2N5401S		J520254010010S	
Q1209SBR	00D2710318909	TR 2SA 2N5401S		J520254010010S	
Q1209SL	00D2710318909	TR 2SA 2N5401S		J520254010010S	
Q1209SR	00D2710318909	TR 2SA 2N5401S		J520254010010S	
D1201C	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1201FL	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1201FR	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1201SBL	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1201SBR	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1201SL	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1201SR	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1202C	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1202FL	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1202FR	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1202SBL	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1202SBR	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1202SL	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1202SR	00D9630355401	D,SWITCHING KDS4148U		K005041480030S	
D1205C	00D9630020309	D,SWITCHING 1SS133T		K000013300520S	
D1205FL	00D9630020309	D,SWITCHING 1SS133T		K000013300520S	
D1205FR	00D9630020309	D,SWITCHING 1SS133T		K000013300520S	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	D1205SBL	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1205SBR	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1205SL	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1205SR	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206C	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206FL	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206FR	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206SBL	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206SBR	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206SL	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206SR	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
<b>RESISTORS GROUP</b>							
	R1201	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1203	00D9639005639	R,METAL FILM 100-J,1W		C060010165060S		
	R1207C	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1207FL	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1207FR	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1207SBL	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1207SBR	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1207SL	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1207SR	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1218C	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1218FL	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1218FR	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1218SBL	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1218SBR	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1218SL	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1218SR	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1222C	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1222FL	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1222FR	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1222SBL	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1222SBR	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1222SL	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1222SR	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1231C	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1231FL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1231FR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1231SBL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1231SBR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1231SL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1231SR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232C	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232FL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232FR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232SBL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232SBR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232SL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232SR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1234C	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1234FL	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1234FR	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1234SBL	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1234SBR	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R1234SL	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1234SR	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235C	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235FL	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235FR	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235SBL	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235SBR	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235SL	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235SR	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1236C	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1236FL	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1236FR	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1236SBL	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1236SBR	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1236SL	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1236SR	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237C	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237FL	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237FR	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237SBL	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237SBR	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237SL	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237SR	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1238C	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1238FL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1238FR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1238SBL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1238SBR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1238SL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1238SR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239C	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239FL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239FR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239SBL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239SBR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239SL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239SR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
<b>CAPACITORS GROUP</b>							
	C1201	00D9630324005	C,ELECT 100UF-M/100V		D04010108C240S		
	C1202	00D9639005804	C,ELECT 100UF-M/25V		D040101084060S		
	C1202C	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1202FL	00D9609010133	C,ELECT 220UF-M/35V		D040221085060S		
	C1202FR	00D9609010133	C,ELECT 220UF-M/35V		D040221085060S		
	C1202SBL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1202SBR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1202SL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1202SR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1203,1204	00D9630234302	C,ELECT 10UF-M/100V		D04010008C050S		
	C1209C	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1209FL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1209FR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1209SBL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1209SBR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1209SL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C1209SR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1210C	nsp	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1210FL	nsp	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1210FR	nsp	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1210SBL	nsp	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1210SBR	nsp	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1210SL	nsp	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1210SR	nsp	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1211C	nsp	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1211FL	nsp	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1211FR	nsp	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1211SBL	nsp	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1211SBR	nsp	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1211SL	nsp	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1211SR	nsp	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1212C	nsp	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1212FL	nsp	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1212FR	nsp	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1212SBL	nsp	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1212SBR	nsp	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1212SL	nsp	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1212SR	nsp	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1213C	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1213FL	00D9609010133	C,ELECT 220UF-M/35V		D040221085060S		
	C1213FR	00D9609010133	C,ELECT 220UF-M/35V		D040221085060S		
	C1213SBL	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1213SBR	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1213SL	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1213SR	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1214C	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1214FL	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1214FR	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1214SBL	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1214SBR	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1214SL	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1214SR	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1215C	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1215FL	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1215FR	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1215SBL	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1215SBR	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1215SL	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1215SR	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1216C	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1216FL	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1216FR	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1216SBL	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1216SBR	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1216SL	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1216SR	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
<b>OTHERS PARTS GROUP</b>							
	CN1000	nsp	CN,WIRE 5P		L000171052050S		
	CN1005	nsp	CN,WIRE 4P		L002101042620S		
	CN1200	nsp	CN,WIRE 13P		L002111132620S		

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
CN1309	nsp	CN,WIRE 2P		L000291020020S		
CP1001		CN.WAFER 4P		L102526700400S		
L1201C	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
L1201FL	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
L1201FR	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
L1201SBL	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
L1201SBR	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
L1201SL	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
L1201SR	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
BK1200	nsp	BRACKET 0.8t/SCREW		4010210196100S		
P1200C	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
P1200FL	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
P1200FR	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
P1200SBL	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
P1200SBR	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
P1200SL	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
P1200SR	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
T1201C	nsp	CN.WAFER 3P		L101200100320S		
T1201FL	nsp	CN.WAFER 3P		L101200100320S		
T1201FR	nsp	CN.WAFER 3P		L101200100320S		
T1201SBL	nsp	CN.WAFER 3P		L101200100320S		
T1201SBR	nsp	CN.WAFER 3P		L101200100320S		
T1201SL	nsp	CN.WAFER 3P		L101200100320S		
T1201SR	nsp	CN.WAFER 3P		L101200100320S		
V1201C	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
V1201FL	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
V1201FR	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
V1201SBL	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
V1201SBR	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
V1201SL	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
V1201SR	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
Z1201C	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
Z1201FL	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
Z1201FR	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
Z1201SBL	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
Z1201SBR	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
Z1201SL	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
Z1201SR	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
Z1202C	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		
Z1202FL	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		
Z1202FR	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		
Z1202SBL	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		
Z1202SBR	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		
Z1202SL	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		
Z1202SR	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		

**PCB 5CHAMP ASS'Y (1610/1620/590 model)**

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
<b>SEMICONDUCTORS GROUP</b>							
	Q1201	00D9600196302	TR KTA1268BL		J5001268B0050S		
	Q1204C	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1204FL	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1204FR	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1204SL	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1204SR	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1206C	00D9600196205	TR KSA992F		J5000992F0050S		
	Q1206FL	00D9600196205	TR KSA992F		J5000992F0050S		
	Q1206FR	00D9600196205	TR KSA992F		J5000992F0050S		
	Q1206SL	00D9600196205	TR KSA992F		J5000992F0050S		
	Q1206SR	00D9600196205	TR KSA992F		J5000992F0050S		
	Q1207C	00D9600196205	TR KSA992F		J5000992F0050S		
	Q1207FL	00D9600196205	TR KSA992F		J5000992F0050S		
	Q1207FR	00D9600196205	TR KSA992F		J5000992F0050S		
	Q1207SL	00D9600196205	TR KSA992F		J5000992F0050S		
	Q1207SR	00D9600196205	TR KSA992F		J5000992F0050S		
	Q1208C	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1208FL	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1208FR	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1208SL	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1208SR	00D9600196700	TR KTC3200BL		J5023200B0050S		
	Q1209C	00D2710318909	TR 2SA 2N5401S		J520254010010S		
	Q1209FL	00D2710318909	TR 2SA 2N5401S		J520254010010S		
	Q1209FR	00D2710318909	TR 2SA 2N5401S		J520254010010S		
	Q1209SL	00D2710318909	TR 2SA 2N5401S		J520254010010S		
	Q1209SR	00D2710318909	TR 2SA 2N5401S		J520254010010S		
	D1201C	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1201FL	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1201FR	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1201SL	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1201SR	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1202C	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1202FL	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1202FR	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1202SL	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1202SR	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1205C	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1205FL	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1205FR	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1205SL	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1205SR	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206C	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206FL	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206FR	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206SL	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
	D1206SR	00D9630020309	D,SWITCHING 1SS133T		K000013300520S		
<b>RESISTORS GROUP</b>							
	R1201	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1203	00D9639005639	R,METAL FILM 100-J,1W		C060010165060S		
	R1207C	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1207FL	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R1207FR	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1207SL	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1207SR	00D9639005642	R,METAL FILM 1.2K-J,1W		C060012265050S		
	R1218C	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1218FL	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1218FR	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1218SL	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1218SR	00D9639006256	R,FIXED 1WJ-10		N113135610020S		
	R1222C	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1222FL	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1222FR	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1222SL	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1222SR	00D9609010719	R,METAL FILM 47-J,1W		C060047065060S		
	R1231C	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1231FL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1231FR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1231SL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1231SR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232C	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232FL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232FR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232SL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1232SR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1234C	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1234FL	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1234FR	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1234SL	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1234SR	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235C	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235FL	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235FR	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235SL	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1235SR	00D9639006285	R,FIXED 1WJ-5.6K		N113135656220S		
	R1236C	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1236FL	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1236FR	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1236SL	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1236SR	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237C	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237FL	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237FR	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237SL	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1237SR	00D9630215907	R,METAL FILM 4.7-J,1W		C0604R7065050S		
	R1238C	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1238FL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1238FR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1238SL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1238SR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239C	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239FL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239FR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239SL	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		
	R1239SR	00D9630345903	R,FIXED 2WJ-0.47		N113136647820S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
<b>CAPACITORS GROUP</b>							
	C1201	00D9630324005	C,ELECT 100UF-M/100V		D04010108C240S		
	C1202	00D9639005804	C,ELECT 100UF-M/25V		D040101084060S		
	C1202C	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1202FL	00D9609010133	C,ELECT 220UF-M/35V		D040221085060S		
	C1202FR	00D9609010133	C,ELECT 220UF-M/35V		D040221085060S		
	C1202SL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1202SR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1203,1204	00D9630234302	C,ELECT 10UF-M/100V		D04010008C050S		
	C1209C	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1209FL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1209FR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1209SL	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1209SR	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1210C	00D9630338208	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1210FL	00D9630338208	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1210FR	00D9630338208	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1210SL	00D9630338208	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1210SR	00D9630338208	C,CERAMIC 470PF-K/500V		D00447127D050S		
	C1211C	00D9630367101	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1211FL	00D9630367101	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1211FR	00D9630367101	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1211SL	00D9630367101	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1211SR	00D9630367101	C,CERAMIC 220PF-J/500V		D00422106D05CS		
	C1212C	00D9639003194	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1212FL	00D9639003194	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1212FR	00D9639003194	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1212SL	00D9639003194	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1212SR	00D9639003194	C,FILM 0.0022UF-J/100V		D02022206C060S		
	C1213C	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1213FL	00D9609010133	C,ELECT 220UF-M/35V		D040221085060S		
	C1213FR	00D9609010133	C,ELECT 220UF-M/35V		D040221085060S		
	C1213SL	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1213SR	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1214C	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1214FL	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1214FR	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1214SL	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1214SR	00D9630216100	C,CERAMIC 33PF-J/500V		D00033006D050S		
	C1215C	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1215FL	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1215FR	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1215SL	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1215SR	00D9630234506	C,ELECT 47UF-M/50V (Pb Free)		D040470087070S		
	C1216C	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1216FL	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1216FR	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1216SL	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1216SR	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
<b>OTHERS PARTS GROUP</b>							
	CN1000	nsp	CN,WIRE 5P		L000171052050S		
	CN1005	nsp	CN,WIRE 4P		L002101042620S		
	CN1201	nsp	CN,WIRE 9P		L002111092620S		

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	CP1001	nsp	CN.WAFER 4P		L102526700400S		
	L1201C	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
	L1201FL	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
	L1201FR	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
	L1201SL	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
	L1201SR	00D9630049005	COIL INDUCTOR 0.5UH		D330R50000000S		
	BK1200	nsp	BRACKET 0.8t/SCREW		4010210196100S		
	P1200C	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
	P1200FL	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
	P1200FR	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
	P1200SL	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
	P1200SR	963252004160S	POSISTOR 18BC471QB5RB		F320184710050S		
	T1201C	nsp	CN.WAFER 3P		L101200100320S		
	T1201FL	nsp	CN.WAFER 3P		L101200100320S		
	T1201FR	nsp	CN.WAFER 3P		L101200100320S		
	T1201SL	nsp	CN.WAFER 3P		L101200100320S		
	T1201SR	nsp	CN.WAFER 3P		L101200100320S		
	V1201C	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
	V1201FL	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
	V1201FR	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
	V1201SL	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
	V1201SR	00D9630366407	VR,SEMI CARBON EVN-DCAA03B 1KB		C541102315000S		
	Z1201C	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
	Z1201FL	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
	Z1201FR	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
	Z1201SL	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
	Z1201SR	00D9630367008	D,ZENER 0.2W 3.3V UDV		K06603R34P400S		
	Z1202C	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		
	Z1202FL	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		
	Z1202FR	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		
	Z1202SL	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		
	Z1202SR	00D9630382209	D,ZENER 0.2W 3.0V UDV		K06603R04P400S		

**PCB VIDEO ASS'Y**

	Ref. No.	Part No.	Part Name	Remarks	ETRO	Q'ty	New
<b>SEMICONDUCTORS GROUP</b>							
	IC1600	00D2623679900	IC SN74AHCU04NSR		J040740400280S		
	IC1601	00D2623680902	IC SN74AHC14NSR		J040741400190S		
	IC1602	00D2623174900	IC SN74AHACT08		J040740800180S		
	IC1900	232810005504S	IC BD7628F-E2		J127762800010S		
	IC1901	00D2623756904	IC LA73053		J127730530010S		
	IC1903,1904	232810005504S	IC BD7628F-E2		J127762800010S		
	IC1905	00D9630116307	IC LC74781-9013-E		J170747810010S		
	IC1906	963239004170S	IC MM74HC4051MX		J040744051020S		
	IC1907	963239003470S	IC NJM2586AM		J171258600010S		
	IC1908	00D9630218807	IC BU4094BCF-E2		J040140940030S		
	IC1909	00D2623174900	IC SN74AHACT08		J040740800180S		
	Q1900,1901	00D9630120801	TR KRC102S		J522010200210S		
	Q1902	00D9630148508	TRKTA1504S		J520015040150S		
	Q1903,1904	00D9630121509	TR KTC3875S		J522038750210S		
	Q1905	00D9630148508	TRKTA1504S		J520015040150S		
	Q1906	00D9630120801	TR KRC102S		J522010200210S		
	Q1907	00D9630121606	TR KRC107S		J522107S00210S		
	Q1908	00D9630148508	TRKTA1504S		J520015040150S		
	D1600	00D9630245100	D,SWITCHING KDS226ST1(C3)	1910, 790	K005022600020S		
	D1601	00D9630245100	D,SWITCHING KDS226ST1(C3)		K005022600020S		
	D1602	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1603-1605	00D9630341305	D,ESD IMSA-6802-01A		K067680200010S		
	D1606,1607	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
	D1900-1905	00D9630355401	D,SWITCHING KDS4148U		K005041480030S		
<b>CAPACITORS GROUP</b>							
	C1600	00D9639005862	C,ELECT 47UF-M/16V	1910, 790	D040470083080S		
	C1601	nsp	C,CERAMIC 0.1UF-K/50V	1910, 790	D011104577160S		
	C1603	00D9639005862	C,ELECT 47UF-M/16V		D040470083080S		
	C1604	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1606,1607	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1608	00D9639005862	C,ELECT 47UF-M/16V		D040470083080S		
	C1609	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1611	00D9609010010	C,ELECT 4.7UF-M/50V	1910, 790	D0404R7087250S		
	C1612	nsp	C,CERAMIC 0.1UF-K/50V	1910, 790	D011104577160S		
	C1613	00D9609010010	C,ELECT 4.7UF-M/50V		D0404R7087250S		
	C1614	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1615	00D9609010010	C,ELECT 4.7UF-M/50V		D0404R7087250S		
	C1616	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
	C1617	nsp	C,CERAMIC 1000PF-K/50V		D011102777160S		
	C1618	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
	C1620	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1900,1901	nsp	C,CERAMIC 0.047UF-Z/50V		D011473597160S		
	C1902	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1903	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)		D040010087150S		
	C1904	nsp	C,CERAMIC 0.047UF-Z/50V		D011473597160S		
	C1905	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
	C1906	00D9630276409	C,ELECT 100UF-M/16V		D040101083090S		
	C1907	nsp	C,CERAMIC 0.01UF-K/50V		D010103777160S		
	C1908	00D9630293709	C,ELECT 100UF-M/10V		D040101082070S		
	C1909	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		

	Ref. No.	Part No.	Part Name	Remarks	ETRO	Q'ty	New
	C1910 C1911 C1912,1913 C1914,1915 C1916,1917	00D9630276409 nsp nsp 00D9630294203 nsp	C,ELECT 100UF-M/16V C,CERAMIC 0.01UF-K/50V C,CERAMIC 0.1UF-K/50V C,ELECT 33UF-M/16V C,CERAMIC 0.01UF-K/50V		D040101083090S D010103777160S D01104577160S D040330083050S D010103777160S		
	C1918 C1919 C1920 C1921 C1922,1923	nsp 00D9630276409 00D9630234205 00D9630276409 00D9630293709	C,CERAMIC 0.1UF-K/50V C,ELECT 100UF-M/16V C,ELECT 10UF-M/50V C,ELECT 100UF-M/16V C,ELECT 100UF-M/10V		D01104577160S D040101083090S D040100087070S D040101083090S D040101082070S		
	C1924 C1925 C1926-1928 C1929 C1930	00D9639006544 00D9630129909 nsp 00D9630293602 nsp	C,ELECT 22UF-M/25V C,CERAMIC HIK X7R1200PF-K/50V C,CERAMIC 0.01UF-K/50V C,ELECT 1UF-M/50V(Pb Free) C,CERAMIC 0.01UF-K/50V		D040220084050S D01122777160S D010103777160S D040010087150S D010103777160S		
	C1931 C1932 C1933 C1934 C1935,1936	00D9630293602 00D9630293709 nsp 00D9639006544 nsp	C,ELECT 1UF-M/50V (Pb Free) C,ELECT 100UF-M/10V C,CERAMIC 0.01UF-K/50V C,ELECT 22UF-M/25V C,CERAMIC 0.01UF-K/50V		D040010087150S D040101082070S D010103777160S D040220084050S D010103777160S		
	C1939 C1940,1941 C1942 C1943,1944 C1946	00D9639005862 nsp nsp nsp nsp	C,ELECT 47UF-M/16V C,CERAMIC T.C COG12PF-J/50V C,CERAMIC 0.022UF-Z/50V C,CERAMIC 20PF-J/50V C,CERAMIC 0.047UF-Z/50V		D040470083080S D010120167160S D011223597160S D010200167160S D011473597160S		
	C1947 C1948 C1950 C1952 C1953	nsp nsp nsp 00D9630293602 nsp	C,CERAMIC 0.01UF-K/50V C,CERAMIC 0.047UF-Z/50V C,CERAMIC 0.01UF-K/50V C,ELECT 1UF-M/50V (Pb Free) C,CERAMIC 0.047UF-Z/50V		D010103777160S D011473597160S D010103777160S D040010087150S D011473597160S		
	C1954 C1956-1958 C1959 C1960 C1961	nsp nsp 00D9630293709 nsp nsp	C,CERAMIC 220PF-J/50V C,CERAMIC 0.1UF-K/50V C,ELECT 100UF-M/10V C,CERAMIC 0.1UF-K/50V C,CERAMIC 1UF-Z/50V		D010221167160S D01104577160S D040101082070S D01104577160S D011105597160S		
	C1965 C1966 C1967 C1968 C1969	nsp nsp 00D9630294203 nsp nsp	C,CERAMIC 1UF-Z/50V C,CERAMIC 0.1UF-K/50V C,ELECT 33UF-M/16V C,CERAMIC 1UF-Z/50V C,CERAMIC 0.01UF-K/50V		D011105597160S D011104577160S D040330083050S D011105597160S D010103777160S		
	C1970 C1971-1973 C1974 C1975 C1976-1981	nsp nsp nsp nsp nsp	C,CERAMIC 0.1UF-K/50V C,CERAMIC 1UF-Z/50V C,CERAMIC 0.01UF-K/50V C,CERAMIC 0.1UF-K/50V C,CERAMIC COG68PF-J/50V		D011104577160S D011105597160S D010103777160S D011104577160S D010680167160S		
	C1982-1985	nsp	C,CERAMIC 0.1UF-K/50V		D011104577160S		
<b>OTHERS PARTS GROUP</b>							
	BD1900,1901	00D9630223009	R,THICK 0-J,1/16W		C20000006M160S		
	BD1902	963115003230S	COIL,BEAD CBW160808U121T		D340160811210S		
	CN1010	nsp	CN.WAFER 12P		L101100031210S		
	CN1017	nsp	CN.WAFER 6P		L101100030610S		
	CN1018	nsp	CN.WAFER 8P		L101100030810S		
	CN1104	nsp	CN.WAFER 18P		L101100031810S		

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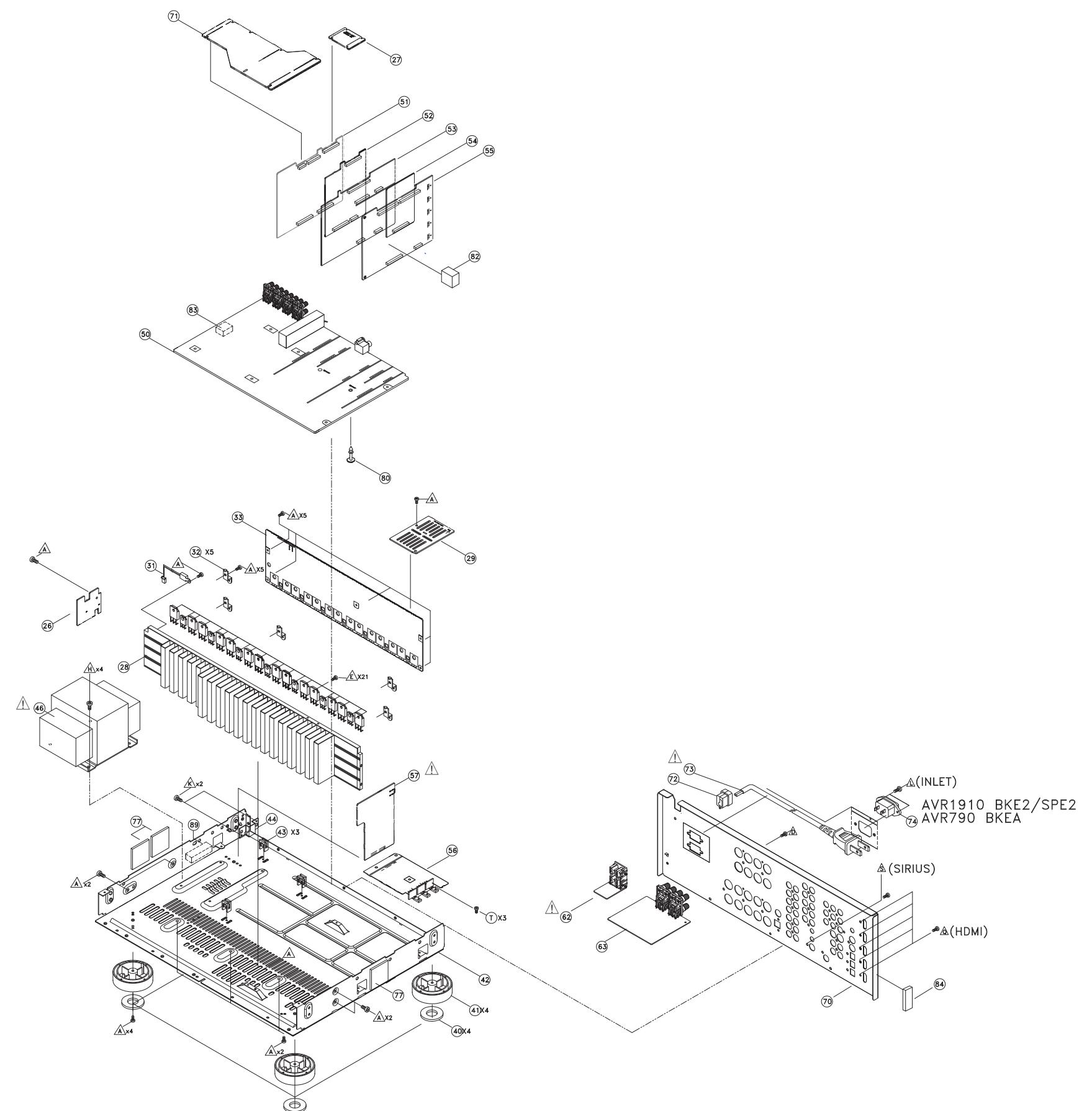
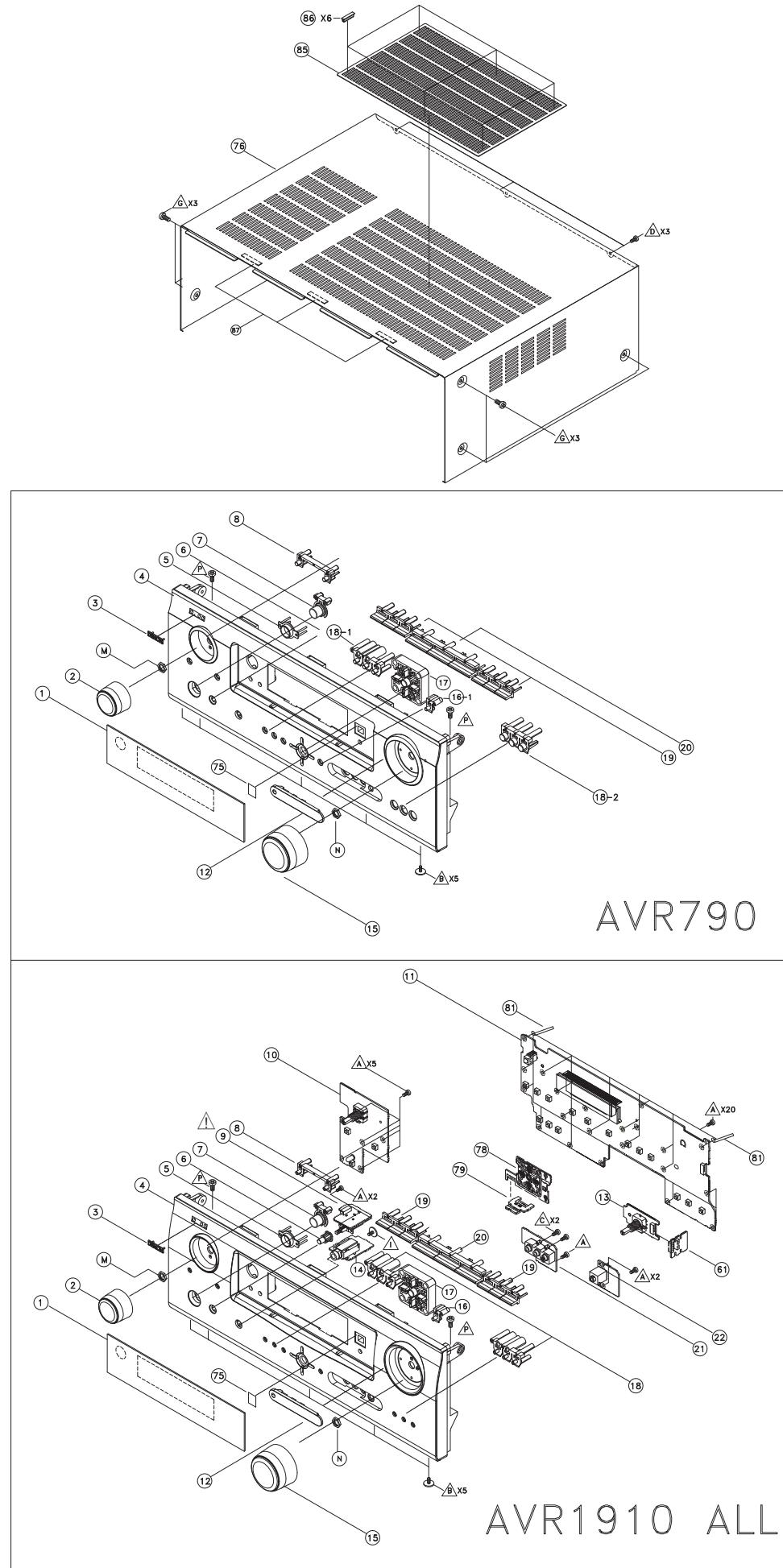
Ref. No.	Part No.	Part Name	Remarks	ETRO	Q'ty	New
JACK1600	00D9630294601	JACK,D3.5 EARPHONE		G40100350000YS		
JACK1601	00D9630217905	TER,RCA 2PIN	1910, 790	G601206A0200YS		
JACK1601	963643003580S	TER,RCA 1PIN	1610, 1620, 590	G600107C0020YS		
JACK1900	963643003460S	TER,RCA 4PIN		G602405BE310YS		
JACK1901	00D9600281000	TER,RCA 1PIN		G600102D04K01S		
JACK1903	963646001770S	TER,RCA 9PIN		G607902AD013YS		
L1900	00D9630115609	COIL INDUCTOR 33UH		D330330700520S		
XTAL1900	00D9630217400	CRYSTAL 14.31818MHZ		E80014R318080S		
OPT1600	00D9630113009	MODULE JST1165-B	1910, 790	E100116500030S		
OPT1601	00D9630237503	MODULE JSR1165-C		E100116500040S		
OPT1602	00D9630237503	MODULE JSR1165-C		E100116500040S		

**PCB EXT\_IN ASS'Y (1910/790 model)**

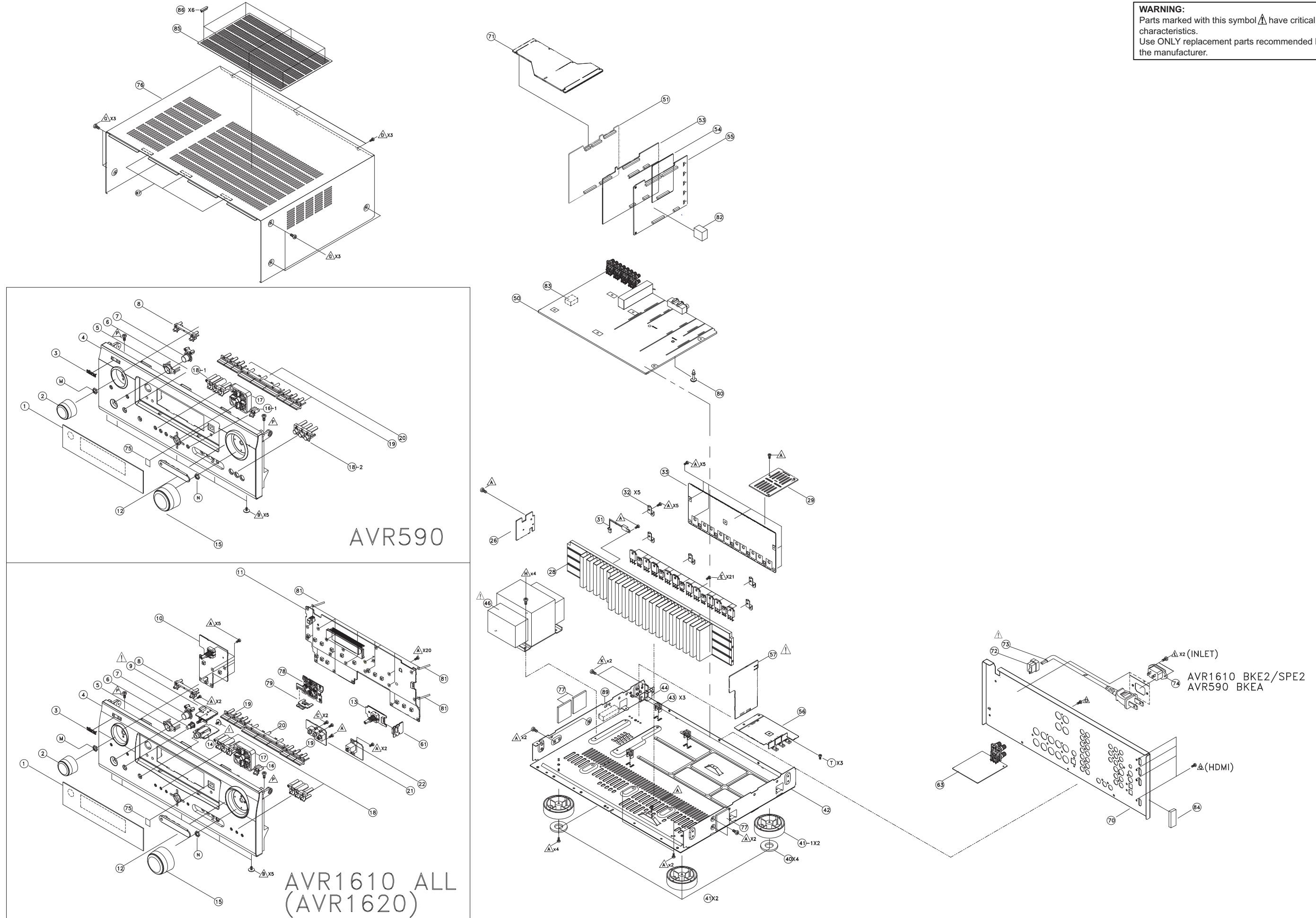
	Ref. No.	Part No.	Part Name	Remarks	ETRO	Q'ty	New
<b>SEMICONDUCTORS GROUP</b>							
	IC1800	00D9630024004	IC NJM2068M	E3	J121206800020S		
	IC1801	00D2623174900	IC SN74HACHT08	E3	J040740800180S		
	IC1802	00D9600174104	IC CXA1511M-T4	1910	J030151100010S		
	Q1805	00D9630120704	TR KRA102S		J520010200210S		
	Q1806	00D9630121402	TR 2SA KRA104S R1	1910	J520010400210S		
	Q1807-1810	00D9630044301	TR KTC2875B(MB)		J5222875B0010S		
	D1801,1802	963209003510S	D,ESD CDS3C05HDMI1	E3	K067030500010S		
	D1807	00D9630355401	D,SWITCHING KDS4148U	1910	K005041480030S		
	ZD1800	963202003490S	D,ZENER 0.2W 6.2V UDZ	1910	K06606R24P400S		
<b>CAPACITORS GROUP</b>							
	C1800	nsp	C,CERAMIC COG33PF-J/50V	E3	D010330167160S		
	C1801	00D9630234205	C,ELECT 10UF-M/50V	E3	D040100087070S		
	C1802,1803	nsp	C,CERAMIC 0.1UF-K/50V	E3	D011104577160S		
	C1804,1805	00D9630234205	C,ELECT 10UF-M/50V	E3	D040100087070S		
	C1809,1810	nsp	C,CERAMIC 330PF-J/50V	E3	D010331167160S		
	C1814,1815	00D9630234205	C,ELECT 10UF-M/50V	E3	D040100087070S		
	C1817	00D9630234205	C,ELECT 10UF-M/50V	E3	D040100087070S		
	C1818	nsp	C,CERAMIC COG33PF-J/50V	E3	D010330167160S		
	C1819	nsp	C,CERAMIC 0.1UF-K/50V	E3	D011104577160S		
	C1820	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1821,1822	nsp	C,CERAMIC 330PF-J/50V		D010331167160S		
	C1823	00D9609010010	C,ELECT 4.7UF-M/50V		D040100087070S		
	C1824	00D9609010010	C,ELECT 4.7UF-M/50V	E3	D0404R7087250S		
	C1825	nsp	C,CERAMIC 1000PF-K/50V	E3	D011102777160S		
	C1826,1827	nsp	C,CERAMIC 100PF-J/50V	E3	D010101167160S		
	C1828	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1829	nsp	C,CERAMIC 330PF-J/50V		D010331167160S		
	C1830	nsp	C,CERAMIC 0.01UF-K/50V		D010103777160S		
	C1831	nsp	C,CERAMIC 330PF-J/50V		D010331167160S		
	C1832,1833	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1834,1835	nsp	C,CERAMIC 330PF-J/50V		D010331167160S		
	C1836,1837	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1838	nsp	C,CERAMIC 330PF-J/50V		D010331167160S		
	C1839	nsp	C,CERAMIC 0.01UF-K/50V		D010103777160S		
	C1840	nsp	C,CERAMIC 330PF-J/50V		D010331167160S		
	C1841	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1842	00D9630244606	C,ELECT 0.1UF-M/50V (Pb Free)		D040R10087080S		
	C1843	00D9630293602	C,ELECT 1UF-M/50V (Pb Free)	1910	D040010087150S		
	C1844	00D9630224503	C,ELECT 22UF-M/50V		D040220087060S		
	C1845	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1846	nsp	C,CERAMIC 0.01UF-K/50V	1910	D010103777160S		
	C1847	00D9609008653	C,FILM 0.012UF-J/100V	1910	D02012306C060S		
	C1848	nsp	C,CERAMIC 100PF-J/50V	1910	D010101167160S		
	C1849	00D9639005862	C,ELECT 47UF-M/16V	1910	D040470083080S		
	C1850	00D9609008653	C,FILM 0.012UF-J/100V	1910	D02012306C060S		
	C1851	00D9630244606	C,ELECT 0.1UF-M/50V (Pb Free)	1910	D040R10087080S		
	C1852	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		
	C1853	nsp	C,CERAMIC 220PF-J/50V	1910	D010221167160S		
	C1854	nsp	C,CERAMIC 100PF-J/50V		D010101167160S		

	Ref. No.	Part No.	Part Name	Remarks	ETRO	Q'ty	New
	C1855	nsp	C,CERAMIC 0.1UF-K/50V	1910	D011104577160S		
	C1856	00D9630224503	C,ELECT 22UF-M/50V		D040220087060S		
	C1857	00D9630234205	C,ELECT 10UF-M/50V		D040100087070S		
	C1858	nsp	C,CERAMIC 220PF-J/50V	1910	D010221167160S		
	C1859	nsp	C,CERAMIC 220PF-J/50V		D010221167160S		
	C1860	nsp	C,CERAMIC 0.1UF-K/50V	1910	D011104577160S		
	C1861	nsp	C,CERAMIC 1000PF-K/50V	E3	D011102777160S		
	C1862	nsp	C,CERAMIC 0.1UF-K/50V	E3	D011104577160S		
<b>OTHERS PARTS GROUP</b>							
	BD1800,1801	963115003230S	COIL,BEAD CBW160808U121T	E3	D340160811210S		
	CN1007	nsp	CN.WAFER 6P		L101100030610S		
	CN1009	nsp	CN.WAFER 14P		L101100031410S		
	CN1800	nsp	CN.WAFER 15P		L101100031510S		
	JACK1800	00D9630333601	MINI DIN CONNECTOR 8P YKF51-5397N	E3	G403515397000S		
	JACK1801	00D9630388203	TER,RCA 4PIN		G602405B5500YS		
	JACK1802	00D9630132103	TER,RCA 4PIN		G602405B0400YS		
	JACK1805,1806	00D9630244703	JACK,D3.5 EARPHONE	1910	G40130802000YS		
	JACK1807	90M-YT004640R	MODULE JSR1165-C		G601207AE020YS		
	L1800	00D9630223009	R,THICK 0-J,1/16W		C20000006M160S		

## EXPLODED VIEW (1910/790 model)



## EXPLODED VIEW (1610/1620/590 model)



# PARTS LIST OF EXPLODED VIEW (1910/790 model)

\* Parts for which "nsp" is indicated on this table cannot be supplied.

\* P.W.B. ASS'Y for which "nsp" is indicated on this table cannot be supplied. When repairing the P.W.B. ASS'Y, check the board parts table and order replacement parts.

\* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

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

E3 : U.S.A. & Canada model

E2 : Europe model

E1C : China model

EA : Australia model

BK : (Black model)

SP : (Premium Silver model)

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	50	nsp	PCB MAIN ASSY	1910BKE3	7025HK0817010	*
	50	nsp	PCB MAIN ASSY	1910BKE2	7025HK0817060	*
	50	nsp	PCB MAIN ASSY	1910SPE2	7025HK0817050	*
	50	nsp	PCB MAIN ASSY	1910SPE1C	7025HK0817020	*
	50	nsp	PCB MAIN ASSY	790BKE3	7025HK0817070	*
	50	nsp	PCB MAIN ASSY	790BKEA	7025HK0817040	*
⚠	11A	nsp	PCB FRONT ASSY	1910BKE3	7025HK0817011	*
	11A	nsp	PCB FRONT ASSY	1910BKE2	7025HK0817061	*
	11A	nsp	PCB FRONT ASSY	1910SPE2	7025HK0817051	*
	11A	nsp	PCB FRONT ASSY	1910SPE1C	7025HK0817021	*
	11A	nsp	PCB FRONT ASSY	790BKE3	7025HK0817071	*
⚠	11A	nsp	PCB FRONT ASSY	790BKEA	7025HK0817041	*
	9	-	PCB P/S			*
	10	-	PCB FUNC			*
	11	-	PCB FRONT			*
	13	-	PCB ENCODER			*
	14	-	PCB H/P			*
	21	-	PCB V.AUX			*
	22	-	PCB MIC			*
	27	-	PCB CNT			*
	29	-	PCB CABLE GUIDE			*
	61	-	PCB ENCODER CNT			*
	63	-	PCB 19SPK			*
	78	-	PCB SW			*
	79	-	PCB SW CNT			*
	51	nsp	PCB INPUT ASSY	1910BKE3	7025HK0817012	*
	51	nsp	PCB INPUT ASSY	1910BKE2	7025HK0817062	*
	51	nsp	PCB INPUT ASSY	1910SPE2	7025HK0817052	*
	51	nsp	PCB INPUT ASSY	1910SPE1C	7025HK0817022	*
	51	nsp	PCB INPUT ASSY	790BKE3	7025HK0817072	*
	51	nsp	PCB INPUT ASSY	790BKEA	7025HK0817042	*
⚠	57A	nsp	PCB POWER ASSY	1910BKE3	7025HK0817013	*
	57A	nsp	PCB POWER ASSY	1910BKE2	7025HK0817063	*
	57A	nsp	PCB POWER ASSY	1910SPE2	7025HK0817053	*
	57A	nsp	PCB POWER ASSY	1910SPE1C	7025HK0817023	*
	57A	nsp	PCB POWER ASSY	790BKE3	7025HK0817073	*
⚠	57A	nsp	PCB POWER ASSY	790BKEA	7025HK0817043	*
	57	-	PCB POWER			*
	56	-	PCB SUPPLY			*
	26	-	PCB 19GUIDE_L			*
	62	-	PCB OUTLET			*
	71	-	PCB CNT1			*
	55	963189003440D	PCB 19HDMI ASSY	E3	7025HK0817015	*
	55	963189004020D	PCB 19HDMI ASSY	E2, E1C, EA	7025HK0817055	*
	33	nsp	PCB 7CHAMP ASSY	1910BKE3	7025HK0817016	*
	33	nsp	PCB 7CHAMP ASSY	1910BKE2	7025HK0817066	*
	33	nsp	PCB 7CHAMP ASSY	1910SPE2	7025HK0817056	*
	33	nsp	PCB 7CHAMP ASSY	1910SPE1C	7025HK0817026	*
	33	nsp	PCB 7CHAMP ASSY	790BKE3	7025HK0817076	*
	33	nsp	PCB 7CHAMP ASSY	790BKEA	7025HK0817046	*

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	53A 53A 53A 53A 53A	nsp nsp nsp nsp nsp	PCB VIDEO ASSY PCB VIDEO ASSY PCB VIDEO ASSY PCB VIDEO ASSY PCB VIDEO ASSY	1910BKE3 1910BKE2 1910SPE2 1910SPE1C 790BKE3	7025HK0817017 7025HK0817067 7025HK0817057 7025HK0817027 7025HK0817077		*
	53A 53 54 52 52	- -	PCB VIDEO ASSY PCB VIDEO PCB DIGITAL IN/OUT PCB EXT_IN ASSY PCB EXT_IN ASSY	790BKEA	7025HK0817047		*
	52 52 52 52	nsp nsp nsp nsp	PCB EXT_IN ASSY PCB EXT_IN ASSY PCB EXT_IN ASSY PCB EXT_IN ASSY	1910SPE2 1910SPE1C 790BKE3 790BKEA	7025HK0817058 7025HK0817028 7025HK0817078 7025HK0817048		*
	1 1 2 2 3	963416003360D 963416004090D 963412000570D 963412003660D 00D9630362109	WINDOW DISPLAY WINDOW DISPLAY KNOB FUNCTION(KD) KNOB FUNCTION BADGE DENON	1910 790 BK SP BK	5077212762000S 5077212762010S 5080211761000SZ 5087211901000S 5630210028300S	1 1 1 1 1	*
	3 4 4 4 4	00D9630362202 963402003350D 963402003970D 963402003980D 963402004040D	BADGE DENON PANEL FRONT A PANEL FRONT A PANEL FRONT A PANEL FRONT A	SP 1910BKE3 1910BKE2 1910SPE2 1910SPE1C	5630210028400S 3067214351000S 3067214351100S 3067214351200S 3067214351210S	1 1 1 1 1	*
	4 4 5 6 6	963402004080D 963402004120D 00D9630137807 963411003390D 00D9630230005	PANEL FRONT B PANEL FRONT B LENS STANDBY BUTTON POWER BUTTON POWER	790BKE3 790BKEA BK SP SP	3067214371000S 3067214371100S 3710210503000S 5097213821000S 5097212358300SZ	1 1 1 1 1	*
	7 7 8 8 8	963411002820S 00D9630221904 00D9630362305 00D9630362501 963411001390D	BUTTON-ASSY STANDBY(KD) BUTTON STANDBY BUTTON 2KEY BUTTON 2KEY BUTTON 2KEY	BK SP BK SP 790	5098212361000SZ 5097212368030SZ 5097213351000S 5097213351110S 5097213591000S	1 1 1 1 1	*
	12 12 15 15 16	963419001760D 963409003650S 963412000560D 963412002920S 963411003370D	COVER RCA COVER RCA KNOB VOLUME(KD) KNOB VOLUME BUTTON 1KEY	BK SP BK SP 1910BK	4317214171000S 4317214171100S 5080211751000SZ 5087211891000S 5097213791000S	1 1 1 1 1	*
	16 16-1 17 17 18	963412003670D 963411003770D 963411003380D 963411003680D 00D9630364700	BUTTON 1KEY BUTTON BUTTON 1KEY BUTTON CURSOR 5KEY BUTTON CURSOR 5KEY BUTTON 3KEY	1910SP 790 BK SP 1910BK	5097213791100S 5097213801000S 5097213811000S 5097213811100S 5097213331000S	1 1 1 1 2	*
	18-1 18-2 19 19	00D9630364906 963411001400D 963411001410D 00D9630365002 00D9630365301	BUTTON 3KEY BUTTON 3KEY A BUTTON 3KEY B BUTTON WIN 3KEY BUTTON WIN 3KEY	1910SP 790 790 BK SP	5097213331110S 5097213601000S 5097213611000S 5097213371000S 5097213371110S	2 1 1 2 2	
	20 20 28 31 32	963411003400D 963411003690D nsp 963252004340S nsp	BUTTON WIN 3KEY C BUTTON WIN 3KEY C HEAT SINK MAIN POSISTOR BRACKET PCB	BK SP   	5097213831000S 5097213831100S 2120211438000S F320121021240S 4010210186000S	1 1 1 1 5	*
	40 41 42	00D9630214607 963407003330D nsp	CUSHION FOOT FOOT CHASSIS MAIN		4050211295000S 4000210261000S 3200212816000S	4 4 1	*

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	43	nsp	SUPPORTER PCB		4070001601010S	3	
	44	nsp	BRACKET SAFETY		4010213606000S	1	
⚠	46	963101003590D	POWER TRANS MAIN	E3	8200960660530S	1	*
⚠	46	963101004010D	POWER TRANS MAIN	E2, EA	8200960660540S	1	*
⚠	46	963101004070D	POWER TRANS MAIN	E1C	8200960660550S	1	*
	70	963406004350D	CHASSIS BACK	1910E3	3207211806000S	1	*
	70	963406004360D	CHASSIS BACK	1910E2	3207212806200S	1	*
	70	963406004370D	CHASSIS BACK	1910E1C	3207212806500S	1	*
	70	963406004430D	CHASSIS BACK	790BKE3	3207212806100S	1	*
	70	963406004440D	CHASSIS BACK	790BKEA	3207212806300S	1	*
⚠	72	00D9600192403	STOPPER CORD AC		4380210002000S	1	
	73	00D9630292205	CORD ASSY	E3	L068125100020S	1	
⚠	73	90M-ZC000600R	CORD ASSY	E2	L068250160020S	1	
⚠	73	00D9630349909	CORD ASSY	E1C	L068250060010S	1	
⚠	73	963611001490S	CORD ASSY	EA	L068250100070S	1	
	74	00D9630158404	AC INLET	E2, EA	G430040560020S	1	
	75	963409002050D	SHEET WINDOW		1210210682000S	1	
	76	00D9630361302	CABINET TOP	BK	3000210936000S	1	
	76	963401000730D	CABINET TOP	SP	3000210936200S	1	
	77	nsp	CUSHION SIDE 1		4050212525000S	3	
	80	nsp	SPACER CARD		4300210062000S	1	
	81	nsp	CLAMP WIRE(MTG)		4330000310000S	2	
	82	nsp	GASKET HDMI		4400210449000S	1	*
	83	nsp	CUSHION BD		4050211845000S	1	
	84	nsp	GASKET EMC A		4400210189000S	1	*
	85	963409001780D	COVER SAFETY	BK	4310212122020S	1	
	85	963409001790D	COVER SAFETY	SP	4310212122010S	1	
	86	963454001800D	COVER HOLDER	BK	4310213701000S	6	
	86	963454001810D	COVER HOLDER	SP	4310213701100S	6	
	87	00D9630268802	SHEET CABINET		1210210235000S	3	
	89	nsp	GASKET EMC A		4400210179000S	1	*
★	90	963606004030S	CABLE,FLAT CARD SHIELD 1.25MM		N714352534810S	1	*
	★ 91	nsp	CLAMP CABLE TIE DACT-100A		4330040343010S	7	
<b>SCREWS</b>							
	A	nsp	SCREW,TAP TITE +2S 3*8 B-TYPE ZNW/BH		B020030081B10S	66	
	B	nsp	SCREW +2S 3*8 BK WASHER PI12	BK	1500001456020S	5	
	B	nsp	SCREW +2S 3*8 NI WASHER PI12	SP	1500001456030S	5	
	C	nsp	SCREW +2S 3*15 B-TYPE ZNW/BH		B020030151B10S	2	
	D	nsp	SCREW +2S 3*10 B-TYPE(DOT) BK/BH	1910E3,E2	B020030103B11S	37	
	D	nsp	SCREW +2S 3*10 B-TYPE(DOT) BK/BH	1910E1C	B020030103B11S	35	
	D	nsp	SCREW +2S 3*10 B-TYPE(DOT) BK/BH	790BKE3	B020030103B11S	36	
	D	nsp	SCREW +2S 3*10 B-TYPE(DOT) BK/BH	790BKEA	B020030103B11S	33	
	E	nsp	SCREW +2S 3*14 P(Φ6)+S-WASHER ZNY/HH		B018230141H11S	21	
	F	nsp	SCREW +2S 3*17 B-TYPE ZNW/BH		B020030171B10S	3	
	G	00D9630048307	SCREW +2S 4*8 B-TYPE(DOT) BK/BH	BK	1500040083B10S	6	
	G	00D9639004012	SCREW +2S 4*8 B-TYPE(DOT) NI/BH	SP	1500040084B10S	6	
	H	nsp	SCREW +3S 4*10 P+S-WASHER ZNW/BH		B028940101B10S	4	
	I	nsp	SCREW +2S 3*8 ZnY WASHER PI12		1500001456010S	1	
	K	nsp	SCREW +2S 3*5 B-TYPE ZNW/BH		B020030051B10S	2	
	L	nsp	SCREW +2S 3*10 B-TYPE BK/FH	E2, EA	B020030103F10S	2	
	P	nsp	SCREW +2S 3*8 PI9.5 B-TYPE ZNW		1500001206010S	2	
	Q	nsp	SCREW +3S 3*8 BK/BH		B020930083B10S	4	
	S	nsp	SCREW +M 3*10 BK/BH	E3	B000030103B10S	1	
	T	nsp	SCREW +2S 3*8(ROUND) BK/BH		B020230083B10S	3	*
	★ U	nsp	SCREW +2S 3*5 B-TYPE ZNW/BH		B020030051B10S	2	

# PARTS LIST OF EXPLODED VIEW (1610/1620/590 model)

\* Parts for which "nsp" is indicated on this table cannot be supplied.

\* P.W.B. ASS'Y for which "nsp" is indicated on this table cannot be supplied. When repairing the P.W.B. ASS'Y, check the board parts table and order replacement parts.

\* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

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

E3 : U.S.A. & Canada model

E2 : Europe model

E1C : China model

EA : Australia model

BK : (Black model)

SP : (Premium Silver model)

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	50	nsp	PCB MAIN ASSY	1610BKE3	7025HK0816010	*
	50	nsp	PCB MAIN ASSY	1610BKE2	7025HK0816050	*
	50	nsp	PCB MAIN ASSY	1610SPE2	7025HK0816040	*
	50	nsp	PCB MAIN ASSY	1610SPE1C	7025HK0816060	*
	50	nsp	PCB MAIN ASSY	1620SPE1C	7025HK0816020	*
	50	nsp	PCB MAIN ASSY	590BKE3	7025HK0816080	*
	50	nsp	PCB MAIN ASSY	590BKEA	7025HK0816030	*
	11A	nsp	PCB FRONT ASSY	1610BKE3	7025HK0816011	*
	11A	nsp	PCB FRONT ASSY	1610BKE2	7025HK0816051	*
	11A	nsp	PCB FRONT ASSY	1610SPE2	7025HK0816041	*
⚠	11A	nsp	PCB FRONT ASSY	1610SPE1C	7025HK0816061	*
⚠	11A	nsp	PCB FRONT ASSY	1620SPE1C	7025HK0816021	*
⚠	11A	nsp	PCB FRONT ASSY	590BKE3	7025HK0816081	*
⚠	11A	nsp	PCB FRONT ASSY	590BKEA	7025HK0816031	*
	9	-	P/S UNIT			*
	10	-	FUNC UNIT			*
	11	-	FRONT UNIT			*
	13	-	ENCODER UNIT			*
	14	-	H/P UNIT			*
	21	-	V.AUX UNIT			*
	22	-	MIC UNIT			*
	27	-	CNT UNIT			*
	29	-	CABLE GUIDE UNIT			*
	61	-	ENCODER CNT UNIT			*
	78	-	SW UNIT			*
	79	-	SW CNT UNIT			*
	51	nsp	PCB INPUT ASSY	1610BKE3	7025HK0816012	*
	51	nsp	PCB INPUT ASSY	1610BKE2	7025HK0816052	*
	51	nsp	PCB INPUT ASSY	1610SPE2	7025HK0816042	*
	51	nsp	PCB INPUT ASSY	1610SPE1C	7025HK0816062	*
	51	nsp	PCB INPUT ASSY	1620SPE1C	7025HK0816022	*
	51	nsp	PCB INPUT ASSY	590BKE3	7025HK0816082	*
	51	nsp	PCB INPUT ASSY	590BKEA	7025HK0816032	*
	57A	nsp	PCB POWER ASSY	1610BKE3	7025HK0816013	*
	57A	nsp	PCB POWER ASSY	1610BKE2	7025HK0816053	*
	57A	nsp	PCB POWER ASSY	1610SPE2	7025HK0816043	*
	57A	nsp	PCB POWER ASSY	1610SPE1C	7025HK0816063	*
	57A	nsp	PCB POWER ASSY	1620SPE1C	7025HK0816023	*
	57A	nsp	PCB POWER ASSY	590BKE3	7025HK0816083	*
	57A	nsp	PCB POWER ASSY	590BKEA	7025HK0816033	*
⚠	26	-	16GUIDE_L UNIT			*
⚠	56	-	SUPPLY UNIT			*
⚠	57	-	POWER UNIT			*
⚠	63	-	16SPK UNIT			*
⚠	71	-	CNT1 UNIT			*
	55	963189003570D	PCB 16HDMI ASSY	E3	7025HK0816015	*
	55	963189004150D	PCB 16HDMI ASSY	E2, E1C, EA	7025HK0816045	*
	33	nsp	PCB 5CHAMP ASSY	1610BKE3	7025HK0816016	*
	33	nsp	PCB 5CHAMP ASSY	1610BKE2	7025HK0816056	*
	33	nsp	PCB 5CHAMP ASSY	1610SPE2	7025HK0816046	*

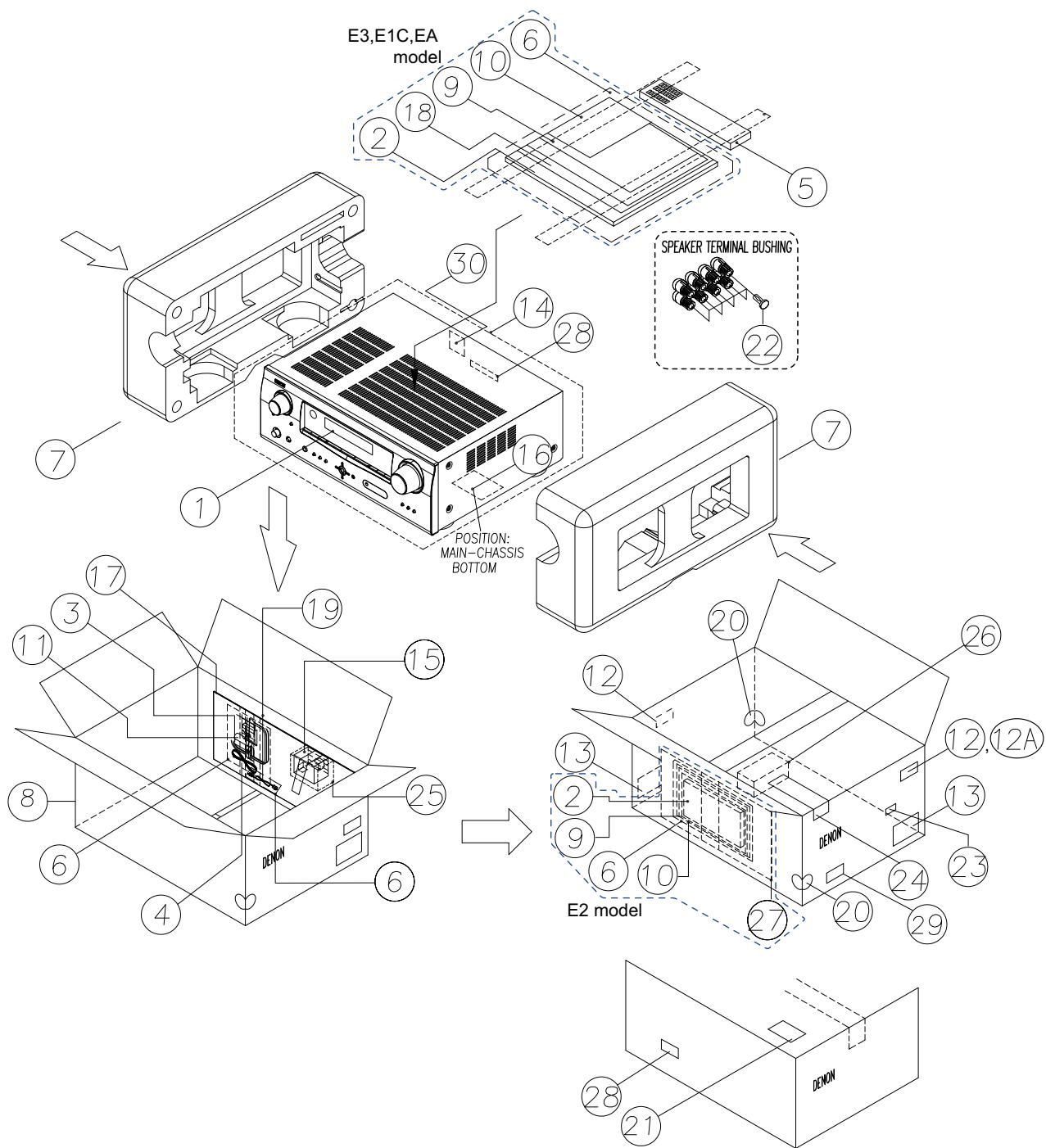
Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	33	nsp	PCB 5CHAMP ASSY	1610SPE1C	7025HK0816066	*
	33	nsp	PCB 5CHAMP ASSY	1620SPE1C	7025HK0816026	*
	33	nsp	PCB 5CHAMP ASSY	590BKE3	7025HK0816086	*
	33	nsp	PCB 5CHAMP ASSY	590BKEA	7025HK0816036	*
	53A	nsp	PCB VIDEO ASSY	1610BKE3	7025HK0816017	*
	53A	nsp	PCB VIDEO ASSY	1610BKE2	7025HK0816057	*
	53A	nsp	PCB VIDEO ASSY	1610SPE2	7025HK0816047	*
	53A	nsp	PCB VIDEO ASSY	1610SPE1C	7025HK0816067	*
	53A	nsp	PCB VIDEO ASSY	1620SPE1C	7025HK0816027	*
	53A	nsp	PCB VIDEO ASSY	590BKE3	7025HK0816087	*
	53A	nsp	PCB VIDEO ASSY	590BKEA	7025HK0816037	*
	53	-	VIDEO UNIT			*
	54	-	DIGITAL IN/OU TUNIT			*
1	963416003550D	WINDOW DISPLAY	1610, 1620	5077212762020S	1	*
1	963416003750D	WINDOW DISPLAY	590	5077212762050S	1	*
2	963412000570D	KNOB FUNCTION(KD)	BK	5080211761000SZ	1	
2	963412003660D	KNOB FUNCTION	SP	5087211901000S	1	
3	00D9630362109	BADGE DENON	BK	5630210028300S	1	
3	00D9630362202	BADGE DENON	SP	5630210028400S	1	
4	963402003540D	PANEL FRONT B	1610BKE3	3067214361000S	1	*
4	963402003840D	PANEL FRONT B	1610BKE2	3067214361100S	1	*
4	963402003810D	PANEL FRONT B	1610SPE2	3067214361200S	1	*
4	963402003850D	PANEL FRONT B	1610SPE1C	3067214361210S	1	*
4	963402003640D	PANEL FRONT B	1620SPE1C	3067214361220S	1	*
4	963402003930D	PANEL FRONT B	590BKE3	3067214371010S	1	*
4	963402003740D	PANEL FRONT B	590BKEA	3067214371110S	1	*
5	00D9630137807	LENS STANDBY		3710210503000S	1	
6	963411003390D	BUTTON POWER	BK	5097213821000S	1	
6	00D9630230005	BUTTON POWER	SP	5097212358300SZ	1	
7	963411002820S	BUTTON-ASSY STANDBY(KD)	BK	5098212361000SZ	1	*
7	00D9630221904	BUTTON STANDBY	SP	5097212368030SZ	1	
8	00D9630362305	BUTTON 2KEY	BK	5097213351000S	1	
8	00D9630362501	BUTTON 2KEY	SP	5097213351110S	1	
8	963411001390D	BUTTON 2KEY	590	5097213591000S	1	
12	963419001760D	COVER RCA	BK	4317214171000S	1	
12	963409003650S	COVER RCA	SP	4317214171100S	1	
15	963412000560D	KNOB VOLUME(KD)	BK	5080211751000SZ	1	
15	963412002920S	KNOB VOLUME	SP	5087211891000S	1	
16	963411003370D	BUTTON 1KEY	1610BK	5097213791000S	1	*
16	963412003670D	BUTTON 1KEY	1610SP, 1620SP	5097213791100S	1	*
16-1	963411003770D	BUTTON BUTTON 1KEY	590	5097213801000S	1	*
17	963411003380D	BUTTON CURSOR 5KEY	BK	5097213811000S	1	*
17	963411003680D	BUTTON CURSOR 5KEY	SP	5097213811100S	1	*
18	00D9630364700	BUTTON 3KEY	1610BK	5097213331000S	2	
18	00D9630364906	BUTTON 3KEY	1610SP, 1620SP	5097213331110S	2	
18-1	963411001400D	BUTTON 3KEY A	590	5097213601000S	1	
18-2	963411001410D	BUTTON 3KEY B	590	5097213611000S	1	
19	00D9630365002	BUTTON WIN 3KEY	BK	5097213371000S	2	
19	00D9630365301	BUTTON WIN 3KEY	SP	5097213371110S	2	
20	963411003400D	BUTTON WIN 3KEY C	BK	5097213831000S	1	*
20	963411003690D	BUTTON WIN 3KEY C	SP	5097213831100S	1	*
28	nsp	HEAT SINK MAIN		2120211428000S	1	*
31	963252004340S	POSISTOR		F320121021240S	1	
32	nsp	BRACKET PCB		4010210186000S	5	
40	00D9630214607	CUSHION FOOT		4050211295000S	4	
41	963407003330D	FOOT		4000210261000S	4	
42	nsp	CHASSIS MAIN		3200212816000S	1	*

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
	43 nsp	SUPPORTER PCB		4070001601010S	3
	44 nsp	BRACKET SAFETY		4010213606000S	1
⚠	46 963101003610D	POWER TRANS MAIN	E3	8200858690310S	1 *
⚠	46 963101003800D	POWER TRANS MAIN	E2, EA	8200858690320S	1 *
⚠	46 963101003720D	POWER TRANS MAIN	E1C	8200858690330S	1 *
	70 963406004380D	CHASSIS BACK	1610E3	3207212806600S	1 *
	70 963406004390D	CHASSIS BACK	1610E2	3207212806800S	1 *
	70 963406004400D	CHASSIS BACK	1610E1C	3207212806610S	1 *
	70 963406004410D	CHASSIS BACK	1620E1C	3207212806620S	1 *
	70 963406004450D	CHASSIS BACK	590E3	3207212806700S	1 *
	70 963406004460D	CHASSIS BACK	590EA	3207212806900S	1 *
	72 00D9600192403	STOPPER CORD AC		4380210002000S	1
⚠	73 00D9630292205	CORD ASSY	E3	L068125100020S	1
⚠	73 90M-ZC000600R	CORD ASSY	E2	L068250160020S	1
⚠	73 00D9630349909	CORD ASSY	E1C	L068250060010S	1
⚠	73 963611001490S	CORD ASSY	EA	L068250100070S	1
	74 00D9630158404	AC INLET	E2, EA	G430040560020S	1
	75 963409002050D	SHEET WINDOW		1210210682000S	1
	76 00D9630361302	CABINET TOP	BK	3000210936000S	1
	76 963401000730D	CABINET TOP	SP	3000210936200S	1
	77 nsp	CUSHION SIDE 1		4050212525000S	3
	80 nsp	SPACER CARD		4300210062000S	1
	81 nsp	CLAMP WIRE(MTG)		4330000310000S	2
	82 nsp	GASKET HDMI		4400210449000S	1 *
	83 nsp	CUSHION BD		4050211845000S	1 *
	84 nsp	GASKET EMC A		4400210189000S	1 *
	85 963409001780D	COVER SAFETY	BK	4310212122020S	1
	85 963409001790D	COVER SAFETY	SP	4310212122010S	1
	86 963454001800D	COVER HOLDER	BK	4310213701000S	6
	86 963454001810D	COVER HOLDER	SP	4310213701100S	6
	87 00D9630268802	SHEET CABINET		1210210235000S	3
	89 nsp	GASKET EMC A		4400210179000S	1 *
★	90 963606004030S	CABLE,FLAT CARD SHIELD 1.25MM		N714352534810S	1 *
★	91 nsp	CLAMP CABLE TIE DACT-100A		4330040343010S	7

#### SCREWS

A	nsp	SCREW,TAP TITE +2S 3*8 B-TYPE ZNW/BH		B020030081B10S	66	
B	nsp	SCREW +2S 3*8 BK WASHER PI12	BK	1500001456020S	5	
B	nsp	SCREW +2S 3*8 NI WASHER PI12	SP	1500001456030S	5	
C	nsp	SCREW +2S 3*15 B-TYPE ZNW/BH		B020030151B10S	2	
D	nsp	SCREW +2S 3*10 B-TYPE(DOT) BK/BH	1610, 1620	B020030103B11S	30	
D	nsp	SCREW +2S 3*10 B-TYPE(DOT) BK/BH		B020030103B11S	29	
E	nsp	SCREW +2S 3*14 P(Φ6)+S-WASHER ZNY/HH		B018230141H11S	15	
F	nsp	SCREW +2S 3*17 B-TYPE ZNW/BH		B020030171B10S	3	
G	00D9630048307	SCREW +2S 4*8 B-TYPE(DOT) BK/BH	BK	1500040083B10S	6	
G	00D9639004012	SCREW +2S 4*8 B-TYPE(DOT) NI/BH	SP	1500040084B10S	6	
H	nsp	SCREW +3S 4*10 P+S-WASHER ZNW/BH		B028940101B10S	4	
I	nsp	SCREW +2S 3*8 ZnY WASHER PI12		1500001456010S	1	
K	nsp	SCREW +2S 3*5 B-TYPE ZNW/BH		B020030051B10S	2	
L	nsp	SCREW +2S 3*10 B-TYPE BK/FH	E2, EA	B020030103F10S	2	
P	nsp	SCREW +2S 3*8 PI9.5 B-TYPE ZNW		1500001206010S	2	
Q	nsp	SCREW +3S 3*8 BK/BH		B020930083B10S	4	
T	nsp	SCREW +2S 3*8(ROUND) BK/BH		B020230083B10S	3	*
★ U	nsp	SCREW +2S 3*5 B-TYPE ZNW/BH		B020030051B10S	2	

## PACKING VIEW



# PARTS LIST OF PACKING & ACCESSORIES

\* Parts for which "nsp" is indicated on this table cannot be supplied.

\* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

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

E3 : U.S.A. & Canada model

E2 : Europe model

E1C : China model

EA : Australia model

BK : (Black model)

SP : (Premium Silver model)

2

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	1	-	set		-	
	2 963541003300D	INSTRUCTION MANUAL	1910E3	5707000002210S	1	*
	2 963541003990D	INSTRUCTION MANUAL	1910E2	5707000002220S	1	*
	2 963541004050D	INSTRUCTION MANUAL	1910E1C	5707000002230S	1	*
	2 963541004100D	INSTRUCTION MANUAL	790E3	5707000002250S	1	*
	2 963541004130D	INSTRUCTION MANUAL	790EA	5707000002260S	1	*
	2 963541003520D	INSTRUCTION MANUAL	1610E3	5707000002140S	1	*
	2 963541003820D	INSTRUCTION MANUAL	1610E2	5707000002150S	1	*
	2 963541003860D	INSTRUCTION MANUAL	1610E1C	5707000002160S	1	*
	2 963541003700D	INSTRUCTION MANUAL	1620E1C	5707000002170S	1	*
	2 963541003940D	INSTRUCTION MANUAL	590E3	5707000002190S	1	*
	2 963541003780D	INSTRUCTION MANUAL	590EA	5707000002200S	1	*
	3 90M-ZA000260R	AM ANTENNA WIRE		E601016000010S	1	
	4 00D9630158006	FM ANTENNA WIRE		E605010070001S	1	
	5 963307003600D	REMOCON (RC-1117)	1910, 790	8300111700010S	1	*
	5 963307003620D	REMOCON (RC-1120)	1610, 1620, 590	8300112000010S	1	*
	6 nsp	POLY BAG		6330000240000S	2	
	7 963533003320D	CUSHION SNOW L/R		6230212514000S	1	*
	8 963531003310D	BOX GIFT	1910E3	6007211400070S	1	*
	8 963531004000D	BOX GIFT	1910E2	6007211400080S	1	*
	8 963531004060D	BOX GIFT	1910E1C	6007211400090S	1	*
	8 963531004110D	BOX GIFT	790E3	6007211400110S	1	*
	8 963531004140D	BOX GIFT	790EA	6007211400120S	1	*
	8 963531003530D	BOX GIFT	1610E3	6007211400000S	1	*
	8 963531003830D	BOX GIFT	1610E2	6007211400010S	1	*
	8 963531003870D	BOX GIFT	1610E1C	6007211400020S	1	*
	8 963531003710D	BOX GIFT	1620E1C	6007211400030S	1	*
	8 963531003950D	BOX GIFT	590E3	6007211400050S	1	*
	8 963531003790D	BOX GIFT	590EA	6007211400060S	1	*
	9 542110020009D	QUICK MANUAL	1910E3, 790E3/EA	-	1	*
	9 542110021002D	QUICK MANUAL	1910E2		1	*
	9 542110030006D	QUICK MANUAL	1910E1C		1	*
	9 542110013001D	QUICK MANUAL	1610E3, 590E3/EA	-	1	*
	9 963541004620D	QUICK MANUAL	1610E2		1	*
	9 963541004630D	QUICK MANUAL	1610E1C		1	*
	9 963541004640D	QUICK MANUAL	1620E1C		1	*
10	nsp	CARD S.S LIST		577700162001ES	1	
11	nsp	BATTERY DRY (AA)	1910/790	G670001R50190S	2	
11	nsp	BATTERY DRY (AAA)	1610/1620/590	G670001R50210S	2	
12	nsp	LABEL UPC	1910E3	5507000002730S	1	*
12	nsp	LABEL UPC	790E3	5507000002720S	1	*
12	nsp	LABEL UPC	1610E3	5507000002480S	1	*
12	nsp	LABEL UPC	590E3	5507000002460S	1	*
12A	nsp	LABEL EAN	1910BKE2	5507000002700S	1	*
12A	nsp	LABEL EAN	1910SPE2	5507000002710S	1	*
12A	nsp	LABEL EAN (JAN)	1910E1C	5507000002690S	1	*
12A	nsp	LABEL EAN	1610BKE2	5507000002400S	1	*
12A	nsp	LABEL EAN	1610SPE2	5507000002420S	1	*
12A	nsp	LABEL EAN	1610E1C	5507000002440S	1	*
12A	nsp	LABEL EAN	1620E1C	5507000002570S	1	*

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
12A	nsp	LABEL EAN	790EA	5507000002680S	2	*
12A	nsp	LABEL EAN	590EA	5507000002380S	2	*
13	nsp	LABEL CONTROL		5500014920010S	2	*
14	nsp	PE SHEET		6327040059000S	1	
15	324010001003D	MIC CONDENSER		M040000310040S	1	
16	nsp	LABEL LICENSE	1910/790E3, 790EA	5507000002170S	1	
16	nsp	LABEL LICENCE	1910E2,E1C	5507000002300S	1	
17	nsp	PAD BOX BACK		6240210730000S	1	*
18	nsp	CARD WARRANTY	E3	5727000003000S	1	
18	nsp	CARD WARRANTY	E1C	5777001670010S	1	
19	90M-ZC000600R	CORD ASSY	E2	L068250100020S	1	
19	963611001490S	CORD ASSY	EA	L068250100070S	1	
20	00D5139111030	LABEL COLOR	SP	5507020170680S	1	
21	nsp	LABEL CARTON	1910E1C	5507003030380S	1	*
21	nsp	LABEL CARTON	1610E1C	5507003030360S	1	*
21	nsp	LABEL CARTON	1620E1C	5507003030370S	1	*
22	nsp	BUSHING TERMINAL	E2, E1C, EA	2410040353010S	18	
23	nsp	LABEL DATE	E1C	5507000000850S	1	
25	nsp	POLY BAG ACCESSORY		6330210222000S	1	
26	nsp	PAD CUSHION BOTTOM		6240210744000S	1	*
27	nsp	PAD MANUAL	E2	6240210780000S	1	*
28	nsp	LABEL SERIAL NO.		5507002000070S	1	
29	nsp	LABEL PRODUCTION BOX	E1C	5507100500970S	1	
30	nsp	CRoHS LABEL SET	E1C	5507000000830S	1	

## **NOTE FOR SCHEMATIC DIAGRAM**

### **WARNING:**

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

### **CAUTION:**

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

### **WARNING:**

DO NOT return the unit to the customer until the problem is located and corrected.

### **NOTICE:**

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

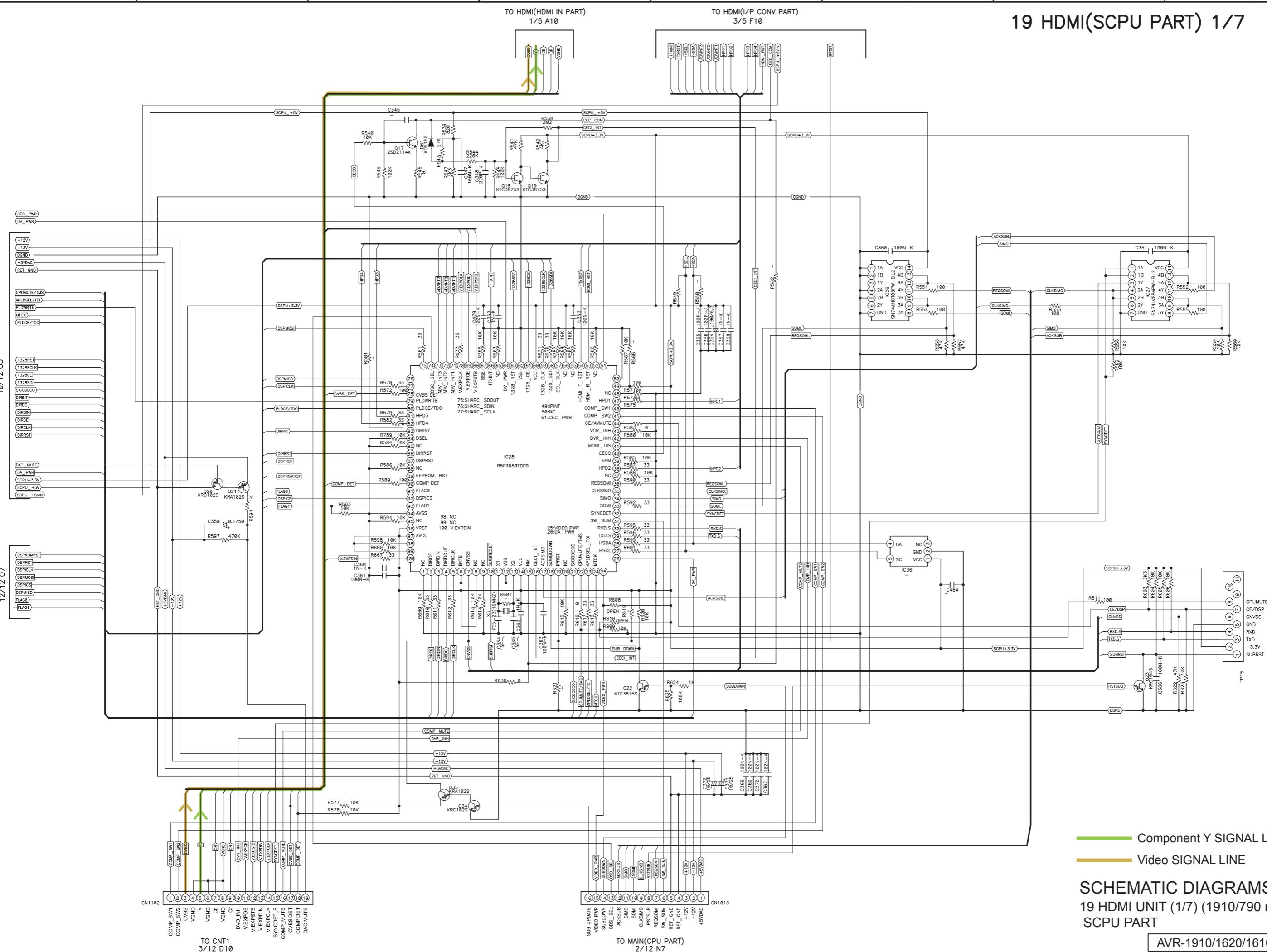
M=1,000,000 OHM

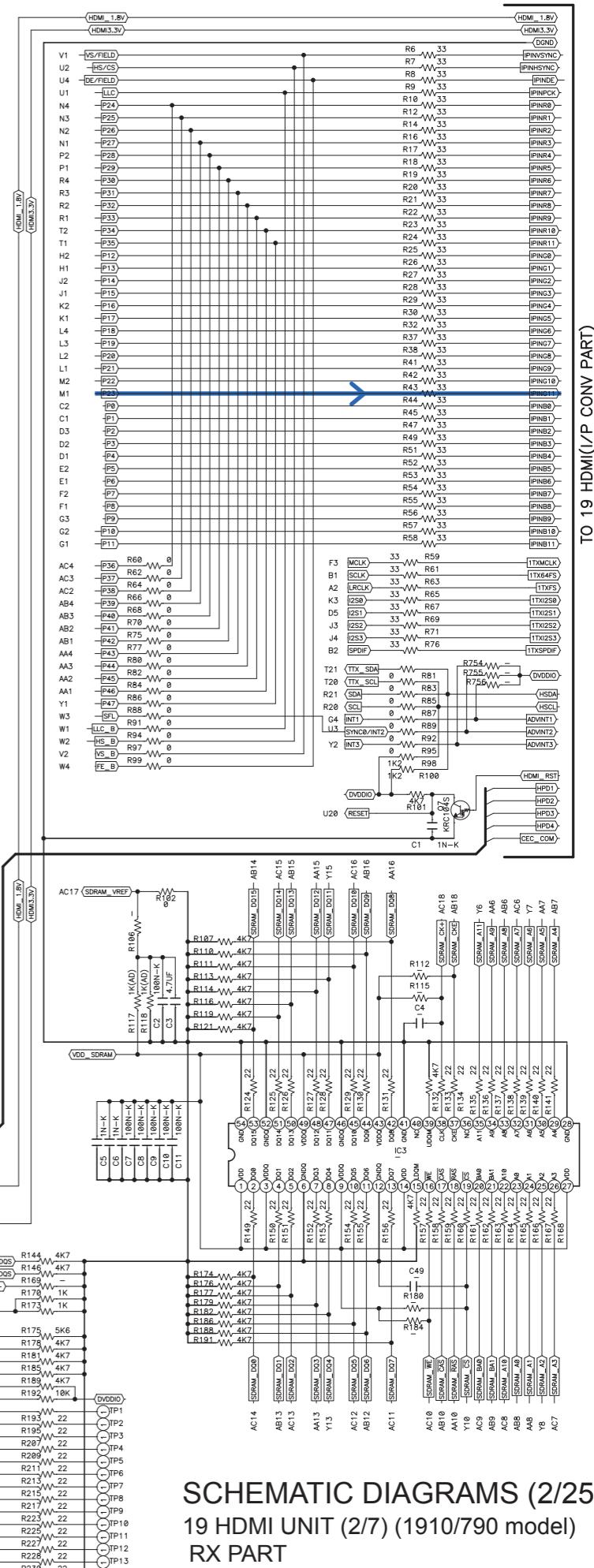
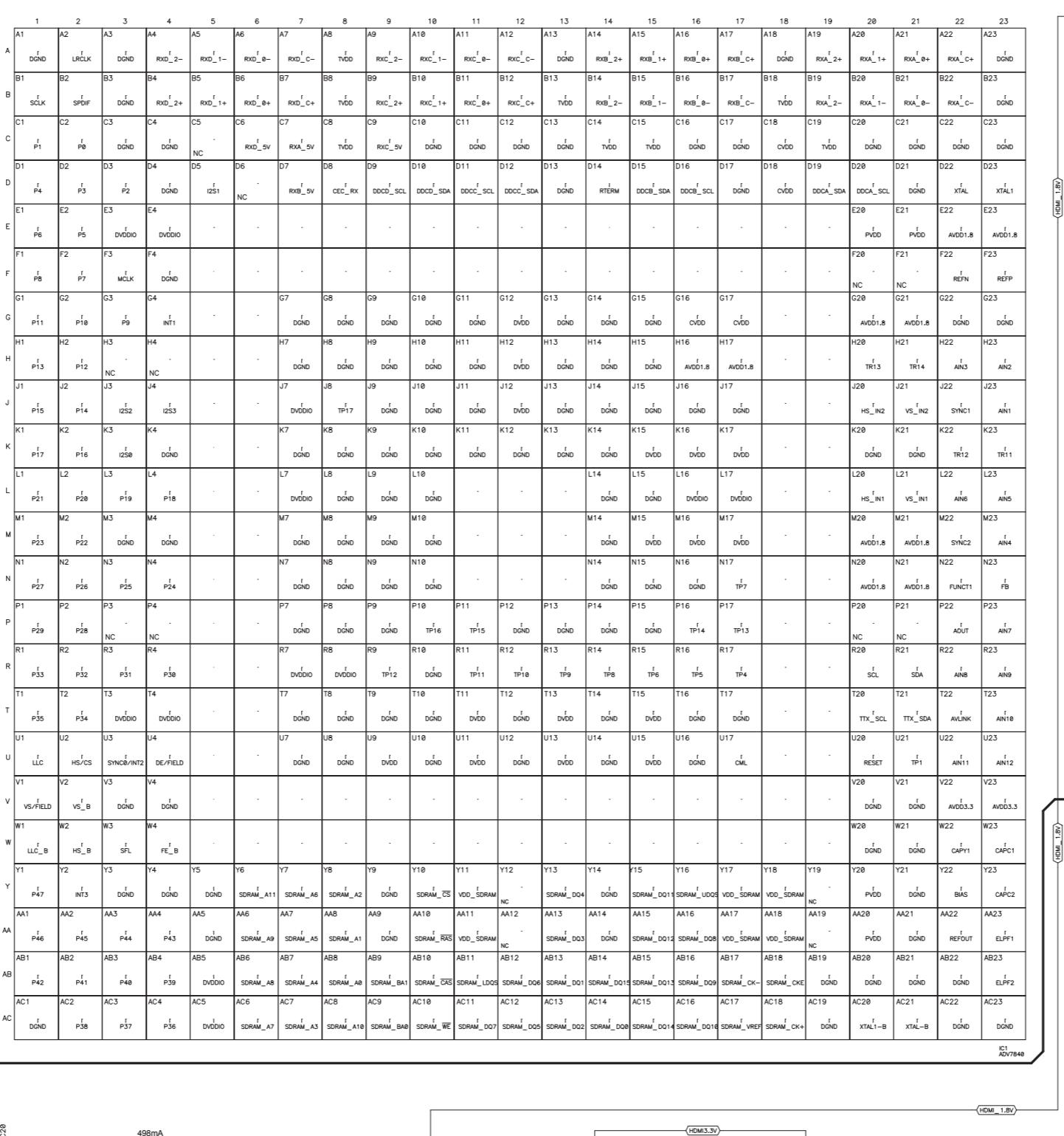
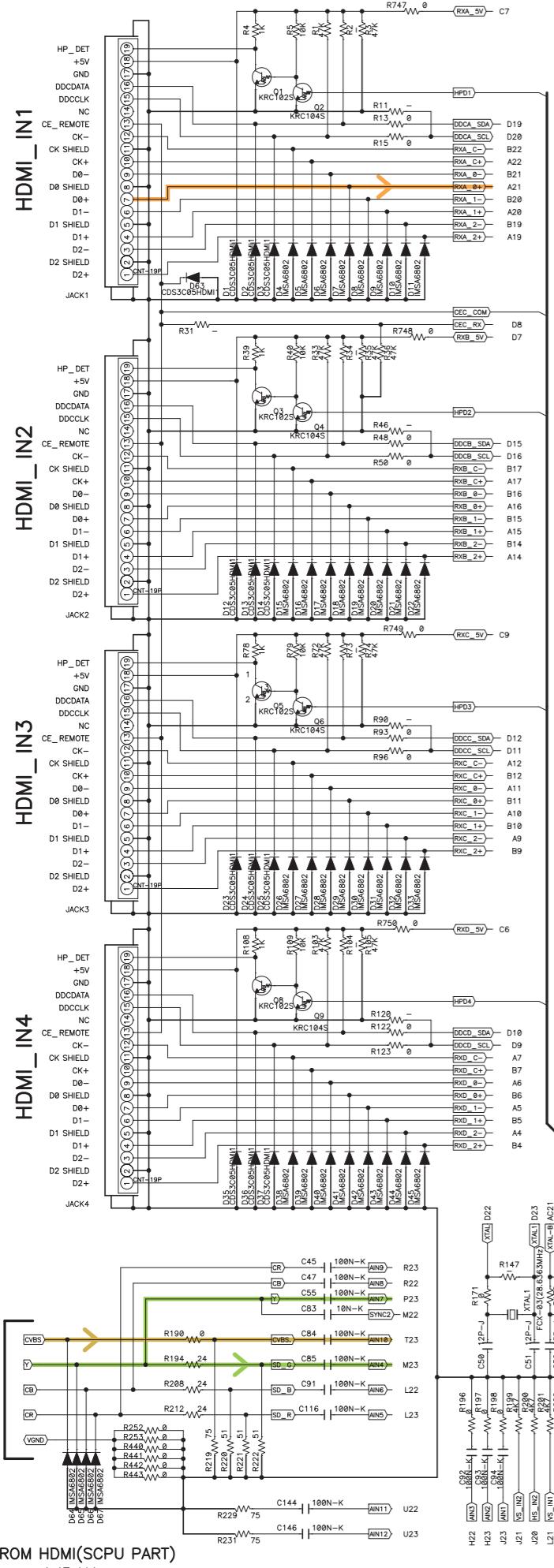
ALL CAPACITANCE VALUES IN MICRO FARAD.

P=MICRO-MICRO FARAD

EACH VOLTAGE AND CURRENT ARE MEASURED AT  
NO SIGNAL INPUT CONDITION.

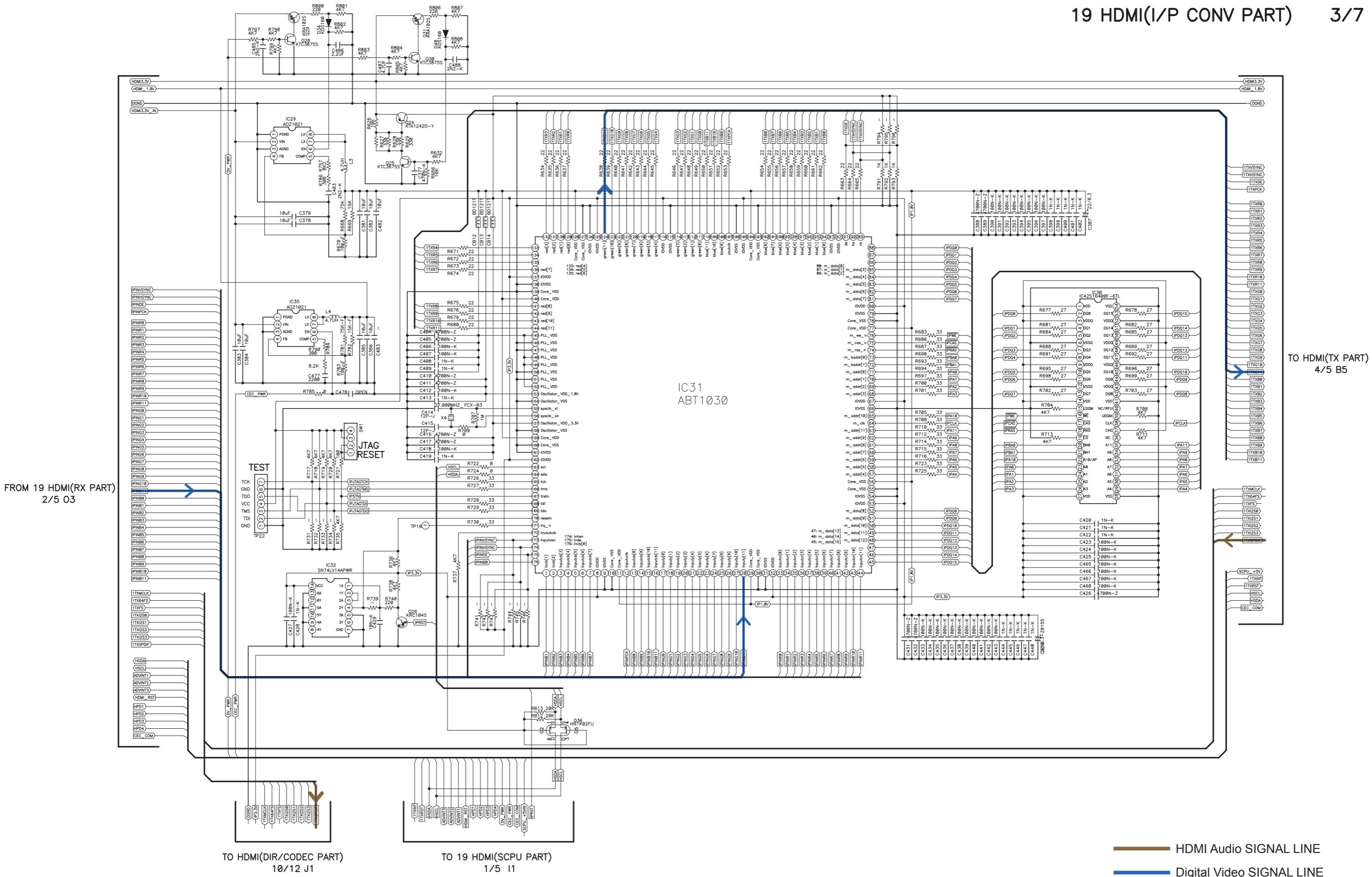
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE  
WITHOUT PRIOR NOTICE.





## 19 HDMI(I/P CONV PART

3/7



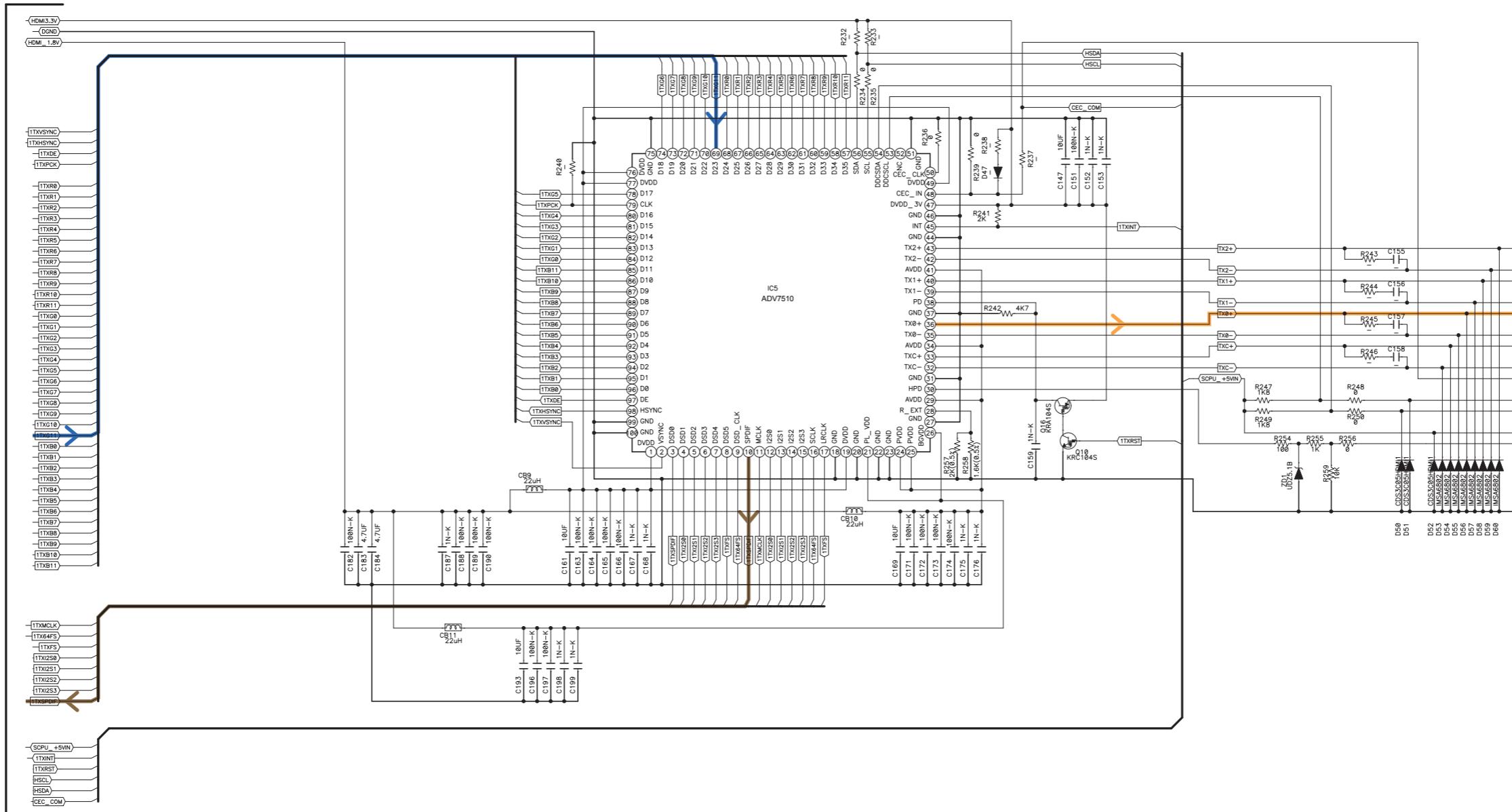
SCHEMATIC DIAGRAMS (3/25)

Digital video SIGNAL LINE

## SCHEMATIC DIAGRAMS (3/25)

### 19 HDMI UNIT (3/7) (1910/790 model) HD Schematic

FROM 19 HDMI(I/P CONV PART)  
3/5 05



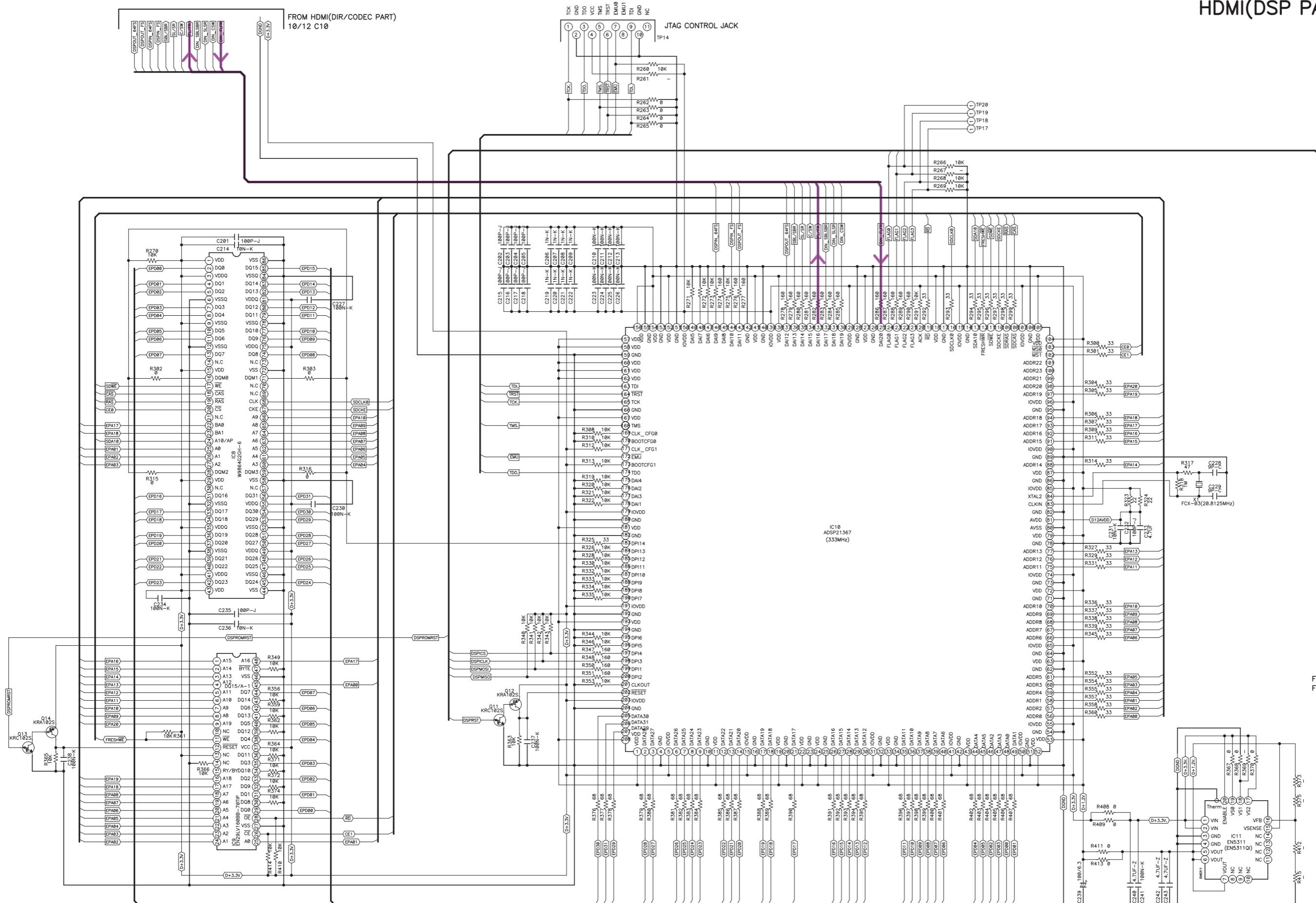
HDMI\_OUT

JACKS

TX2+  
TX2 SHIELD  
TX2-  
TX1+  
TX1 SHIELD  
TX1-  
TX0+  
TX0 SHIELD  
TX0-  
TXC+  
TXC SHIELD  
TXC-  
CE\_REMOTE  
NC  
DDC\_SCK  
DDC\_SDA  
GND  
+5V  
HP\_DET

- HDMI/TMDS SIGNAL LINE
- HDMI Audio SIGNAL LINE
- Digital Video SIGNAL LINE

SCHEMATIC DIAGRAMS (4/25)  
19 HDMI UNIT (4/7) (1910/790 model)  
TX PART

SCHEMATIC DIAGRAMS (5/25)  
19 HDMI UNIT (5/7) (1910/790 model)  
DSP PART

1

2

3

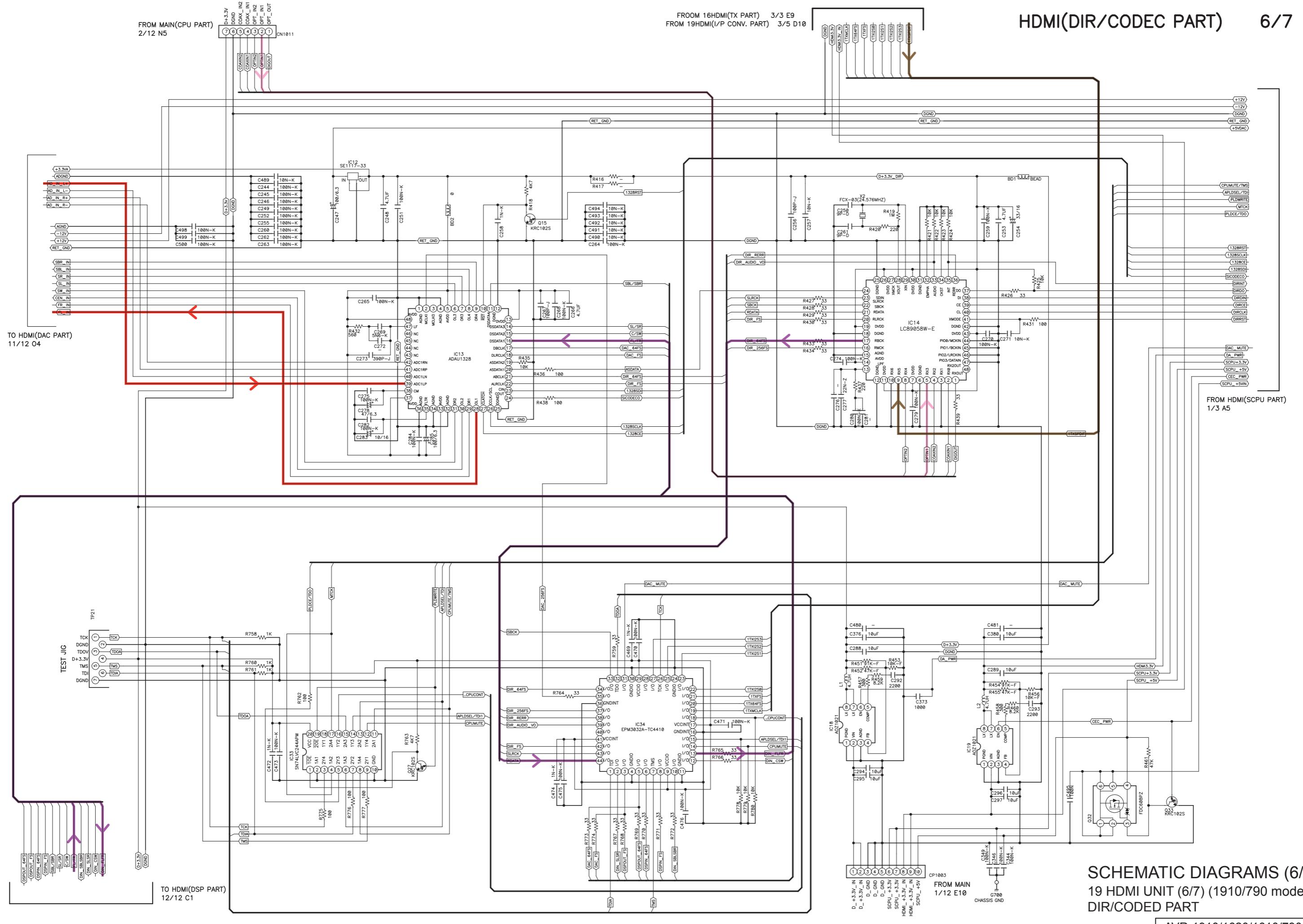
4

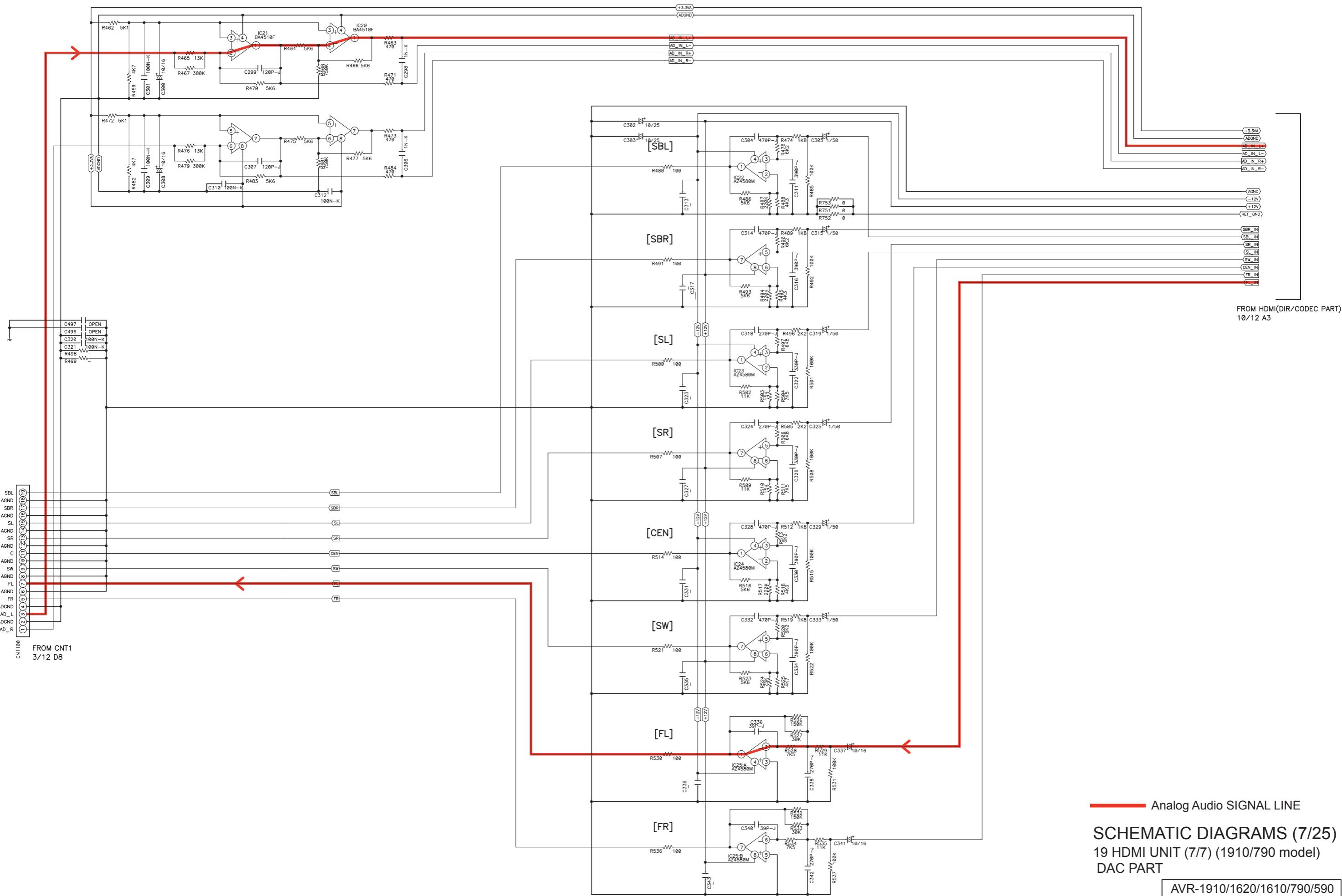
5

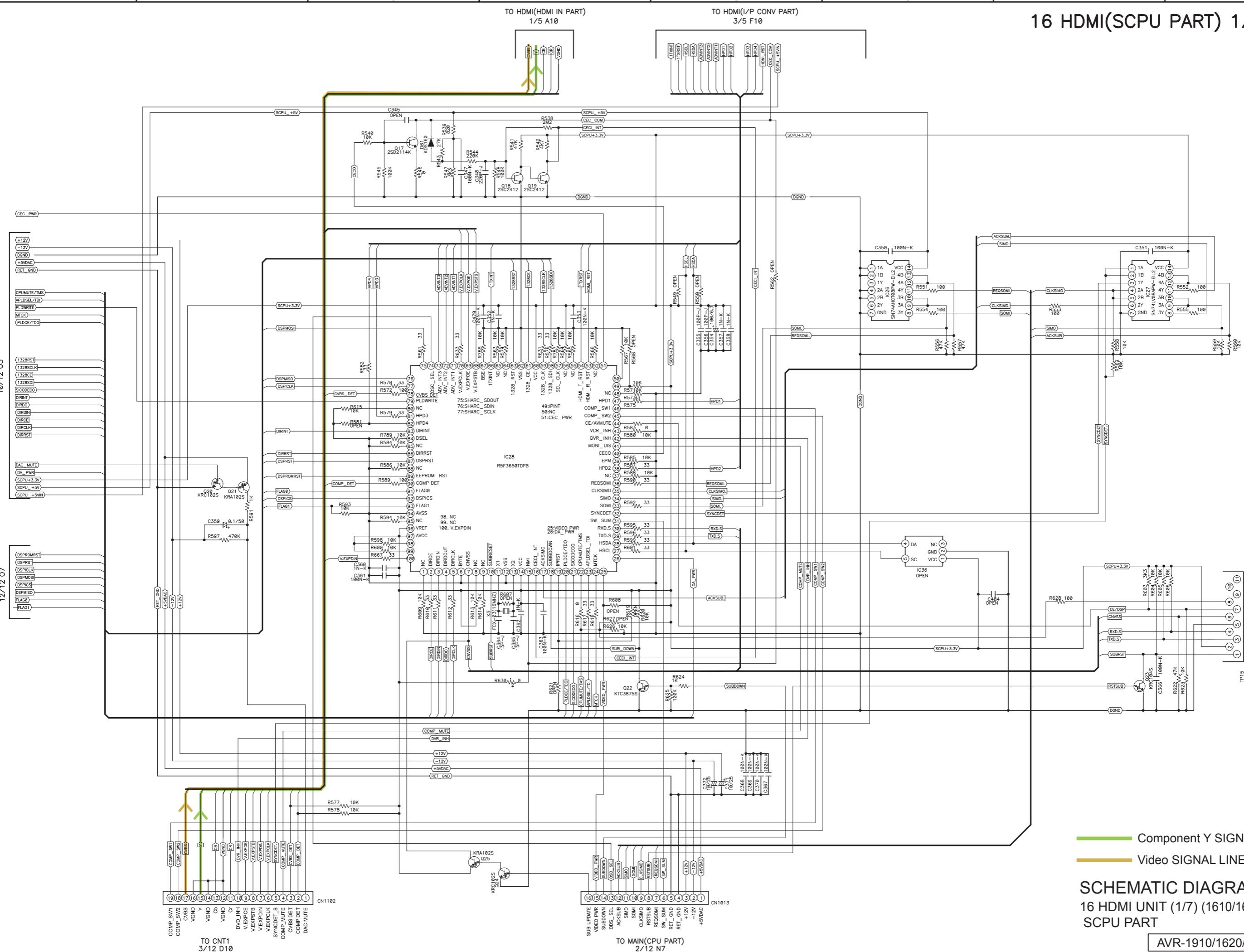
6

7

8







HDMI\_IN1

HDMI\_IN2

HDMI\_IN3

HDMI\_IN4

FROM HDMI(SCPU PART)  
1/5 H1

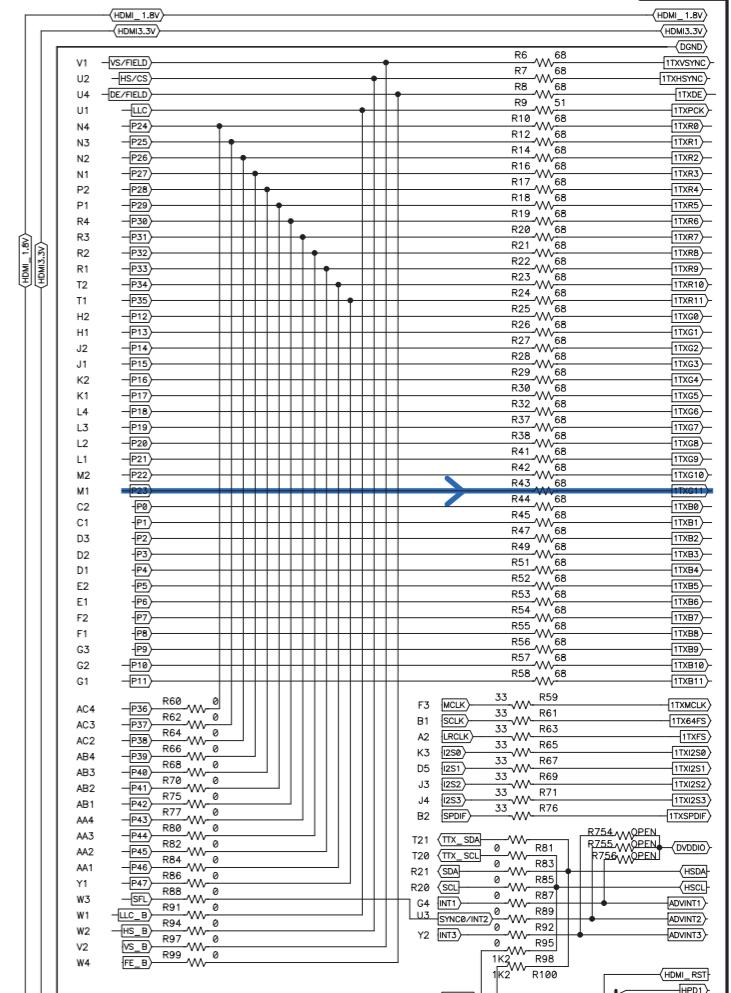
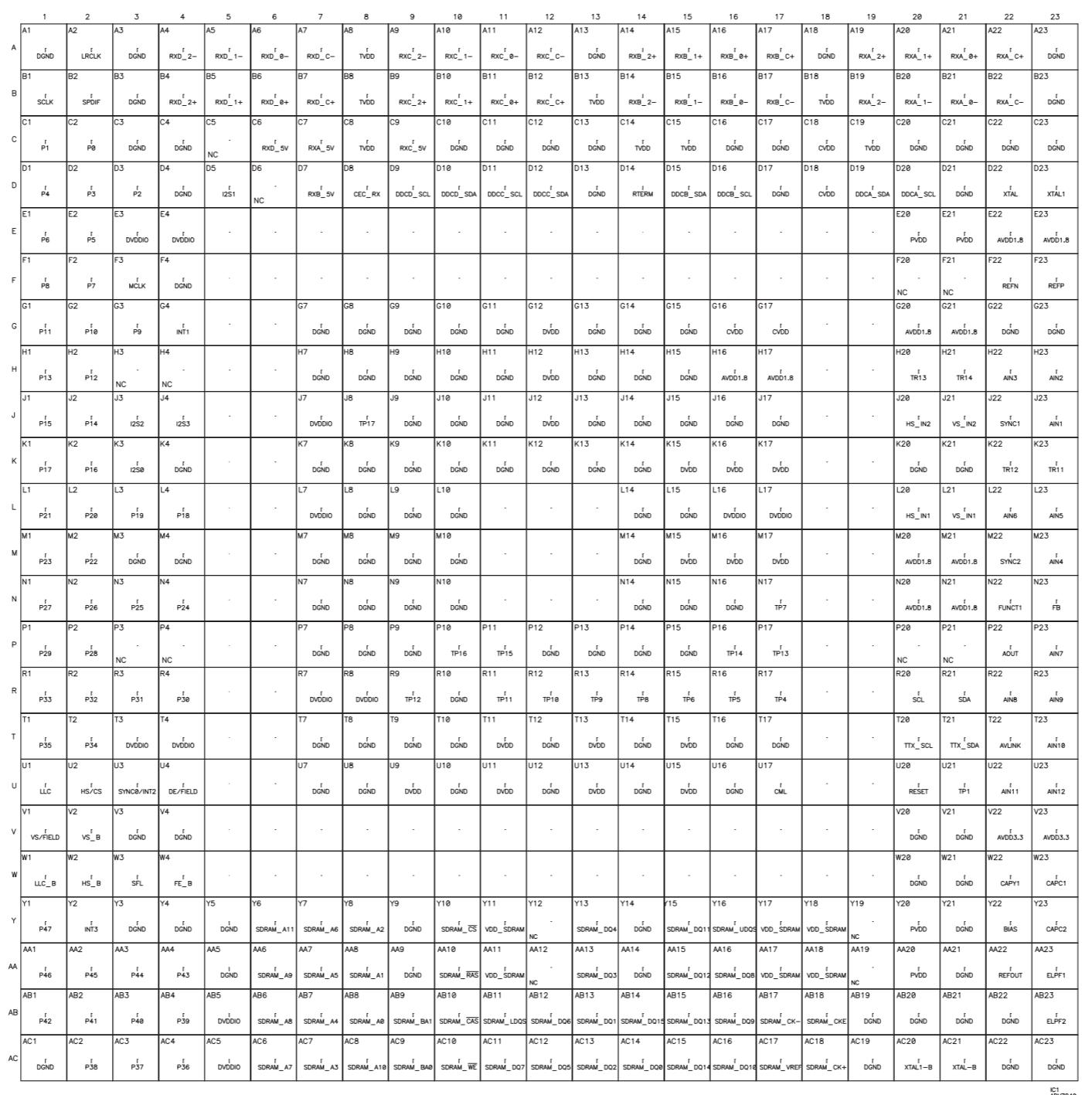
Digital Video SIGNAL LINE

HDMI/TMDS SIGNAL LINE

Video SIGNAL LINE

Component Y SIGNAL LINE

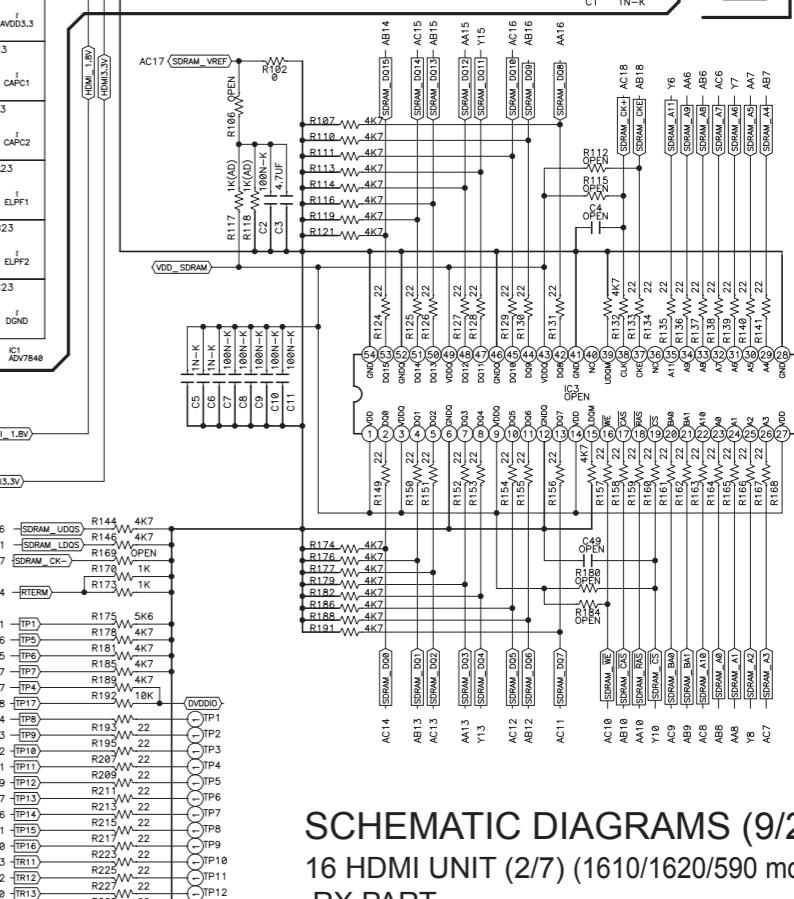
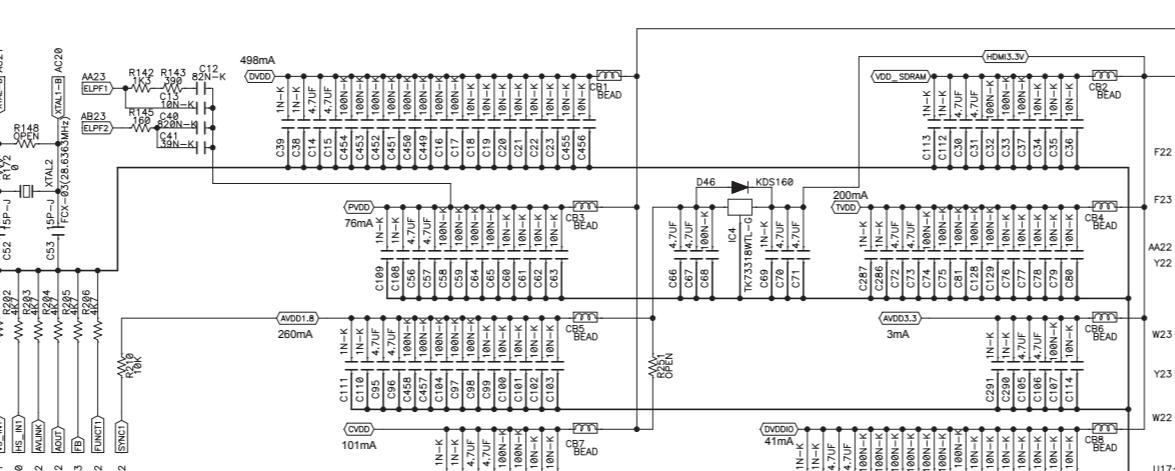
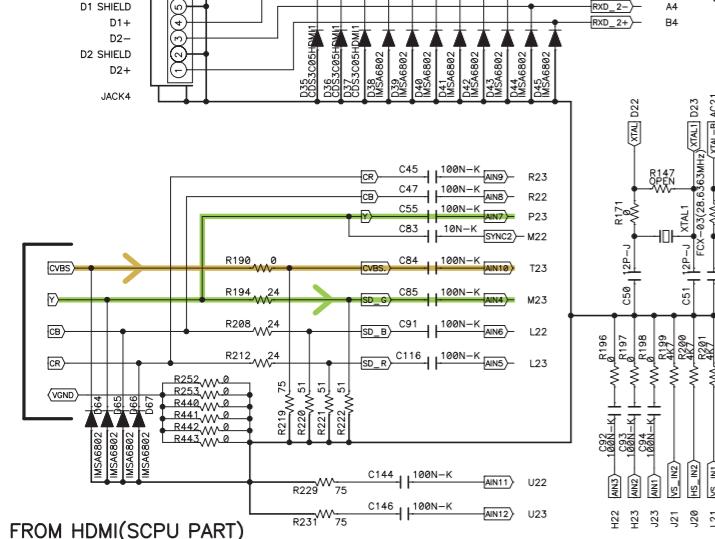
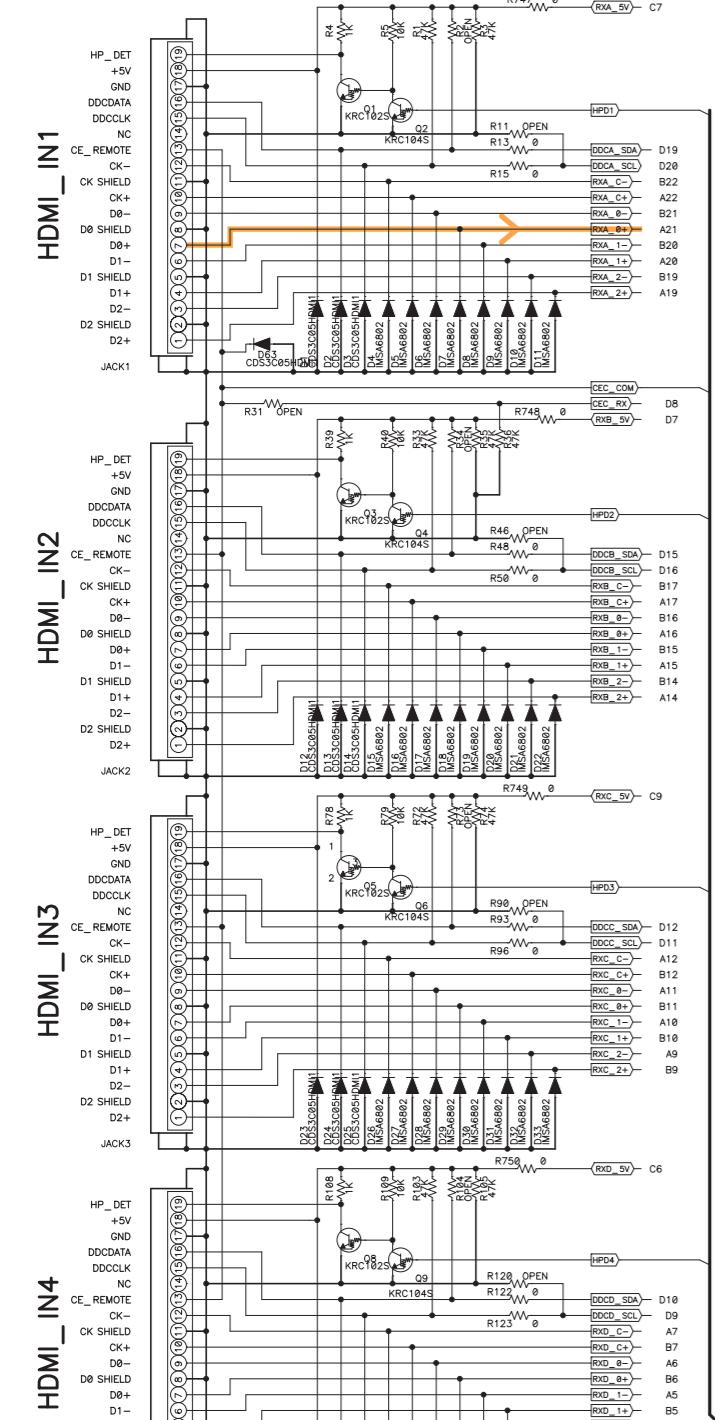
AVR-1910/1620/1610/790/590



TO 19 HDMI(P CONV PART)

3/5 B4

**SCHEMATIC DIAGRAMS (9/25)**  
**16 HDMI UNIT (2/7) (1610/1620/590 model)**  
**RX PART**



A

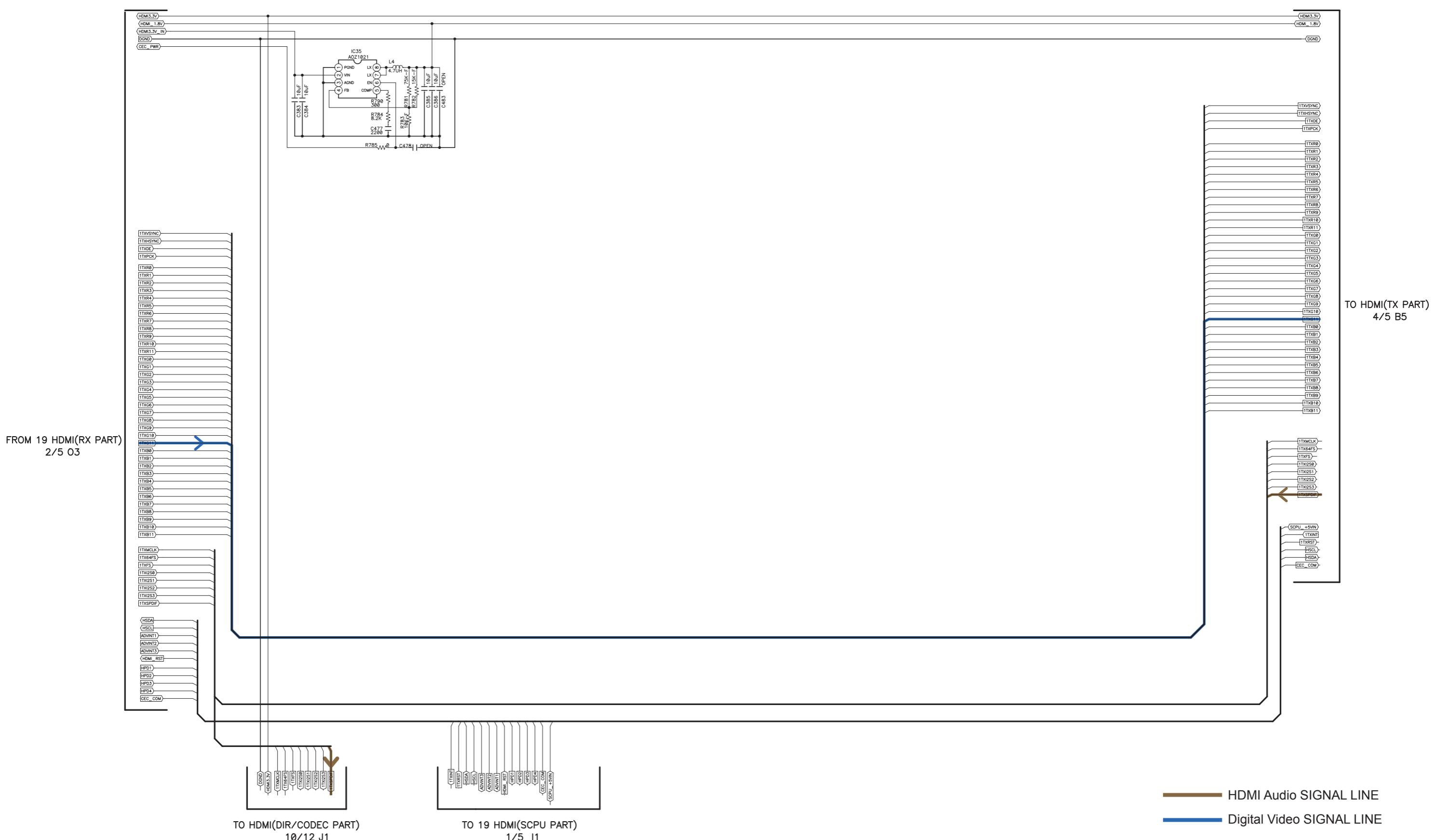
B

C

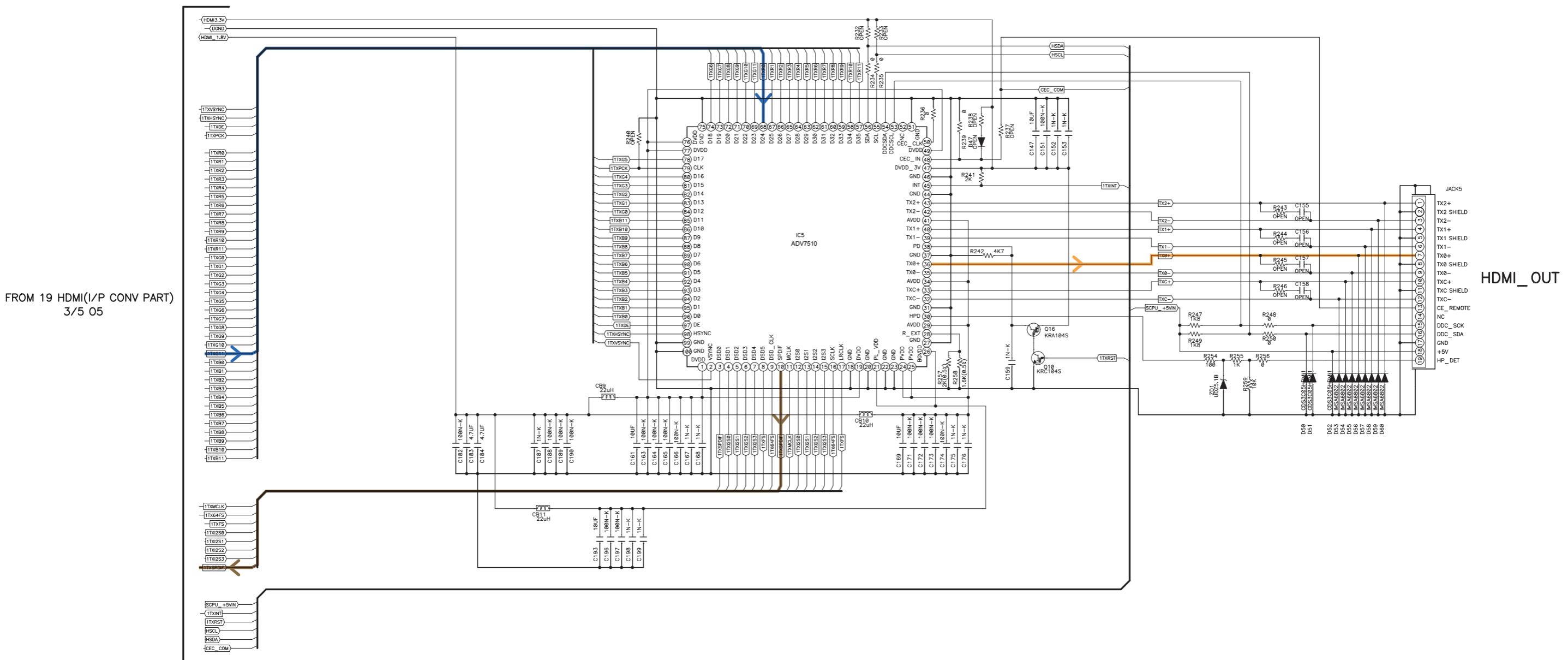
D

E

F

**SCHEMATIC DIAGRAMS (10/25)**16 HDMI UNIT (3/7) (1610/1620/590 model)  
I/P CONV PART

AVR-1910/1620/1610/790/590

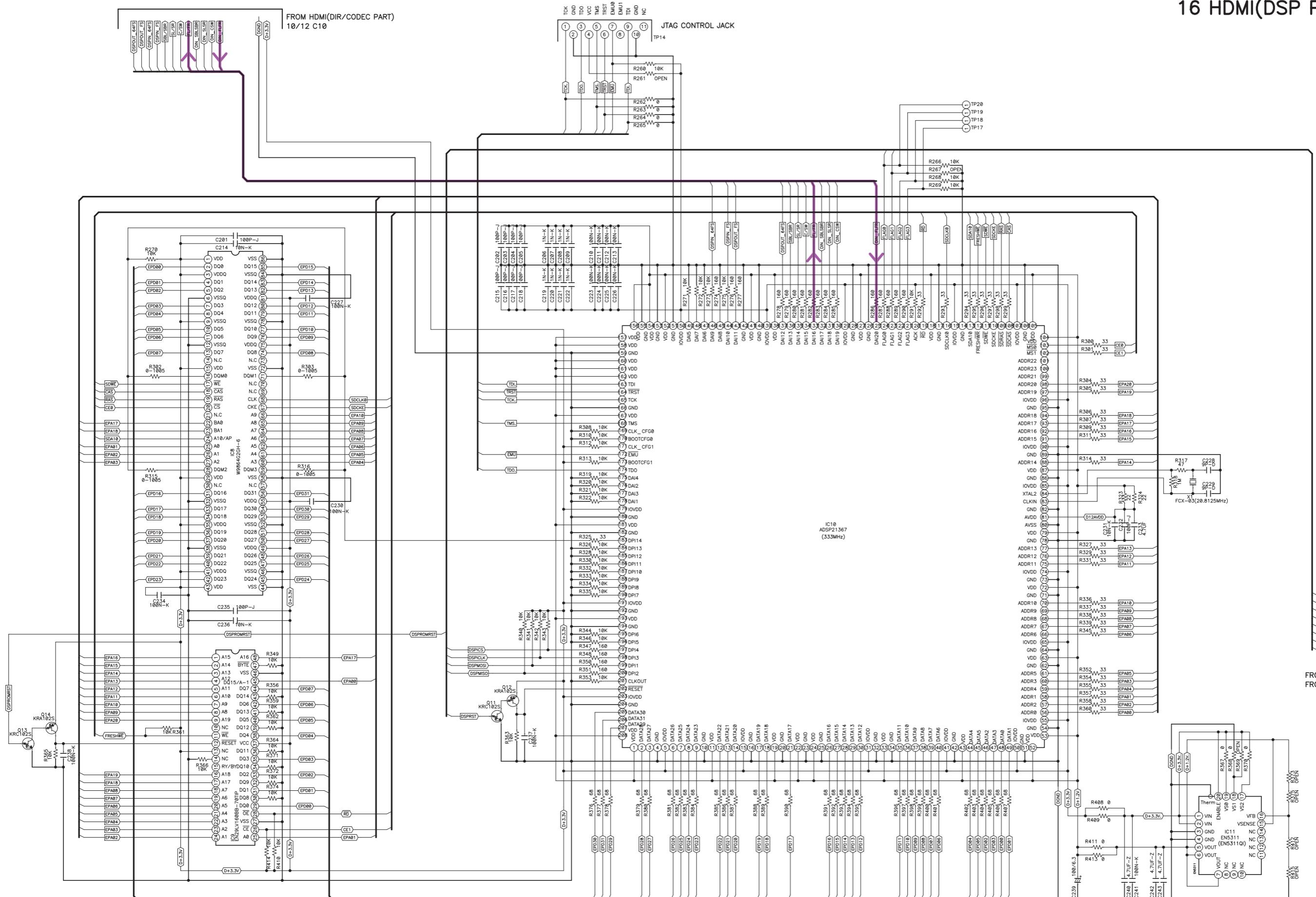


— HDMI/TMDS SIGNAL LINE

— HDMI Audio SIGNAL LINE

— Digital Video SIGNAL LINE

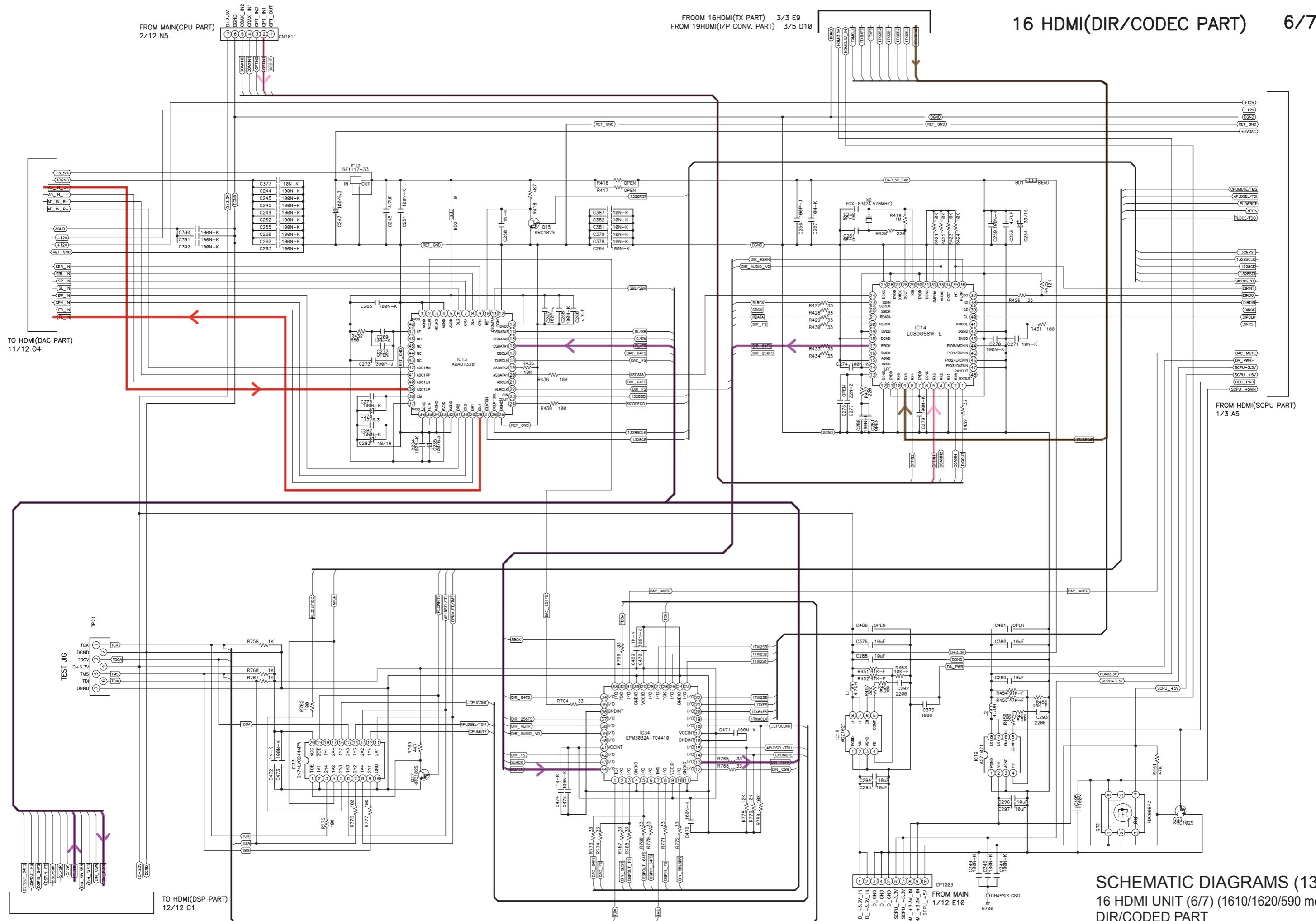
**SCHEMATIC DIAGRAMS (11/25)**  
16 HDMI UNIT (4/7) (1610/1620/590 model)  
TX PART



SCHEMATIC DIAGRAMS (12/25)  
16 HDMI UNIT (5/7) (1610/1620/590 model)  
DSP PART

Digital Audio SIGNAL LINE

AVR-1910/1620/1610/790/590



SCHEMATIC DIAGRAMS (13/25)  
16 HDMI UNIT (6/7) (1610/1620/590 model)  
DIR/CODEC PART

FROM MAIN(CPU PART)  
2/12 N5

FROM 16HDMI(TX PART) 3/3 E9  
FROM 19HDMI(I/P CONV. PART) 3/5 D10

16 HDMI(DIR/CODEC PART)

6/7

TO HDMI(DAC PART)  
11/12 O4

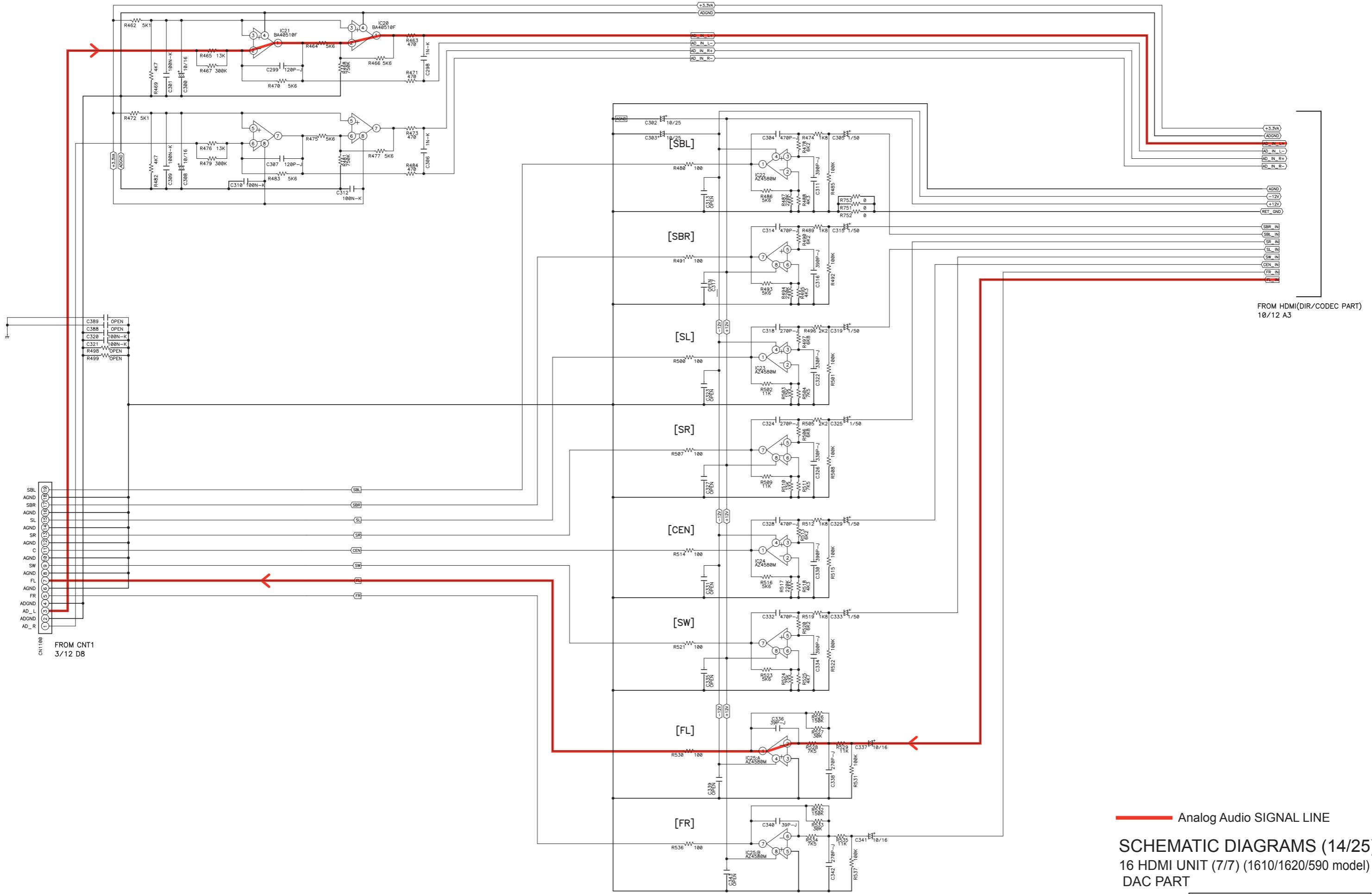
FROM HDMI(SCPU PART)  
1/3 A5

Digital Audio(opt) SIGNAL LINE

HDMI Audio SIGNAL LINE

Digital Audio SIGNAL LINE

Analog Audio SIGNAL LINE

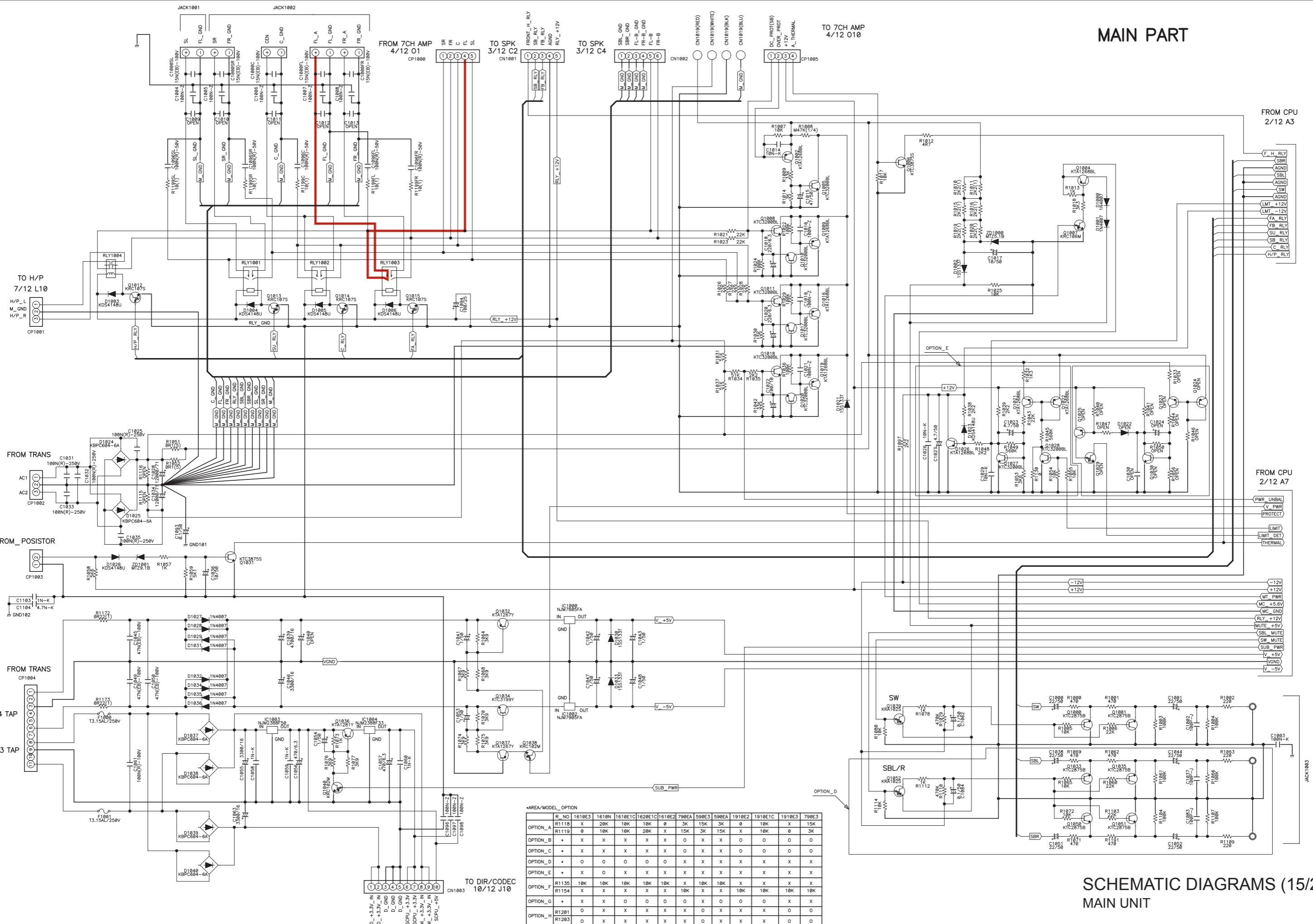


— Analog Audio SIGNAL LINE

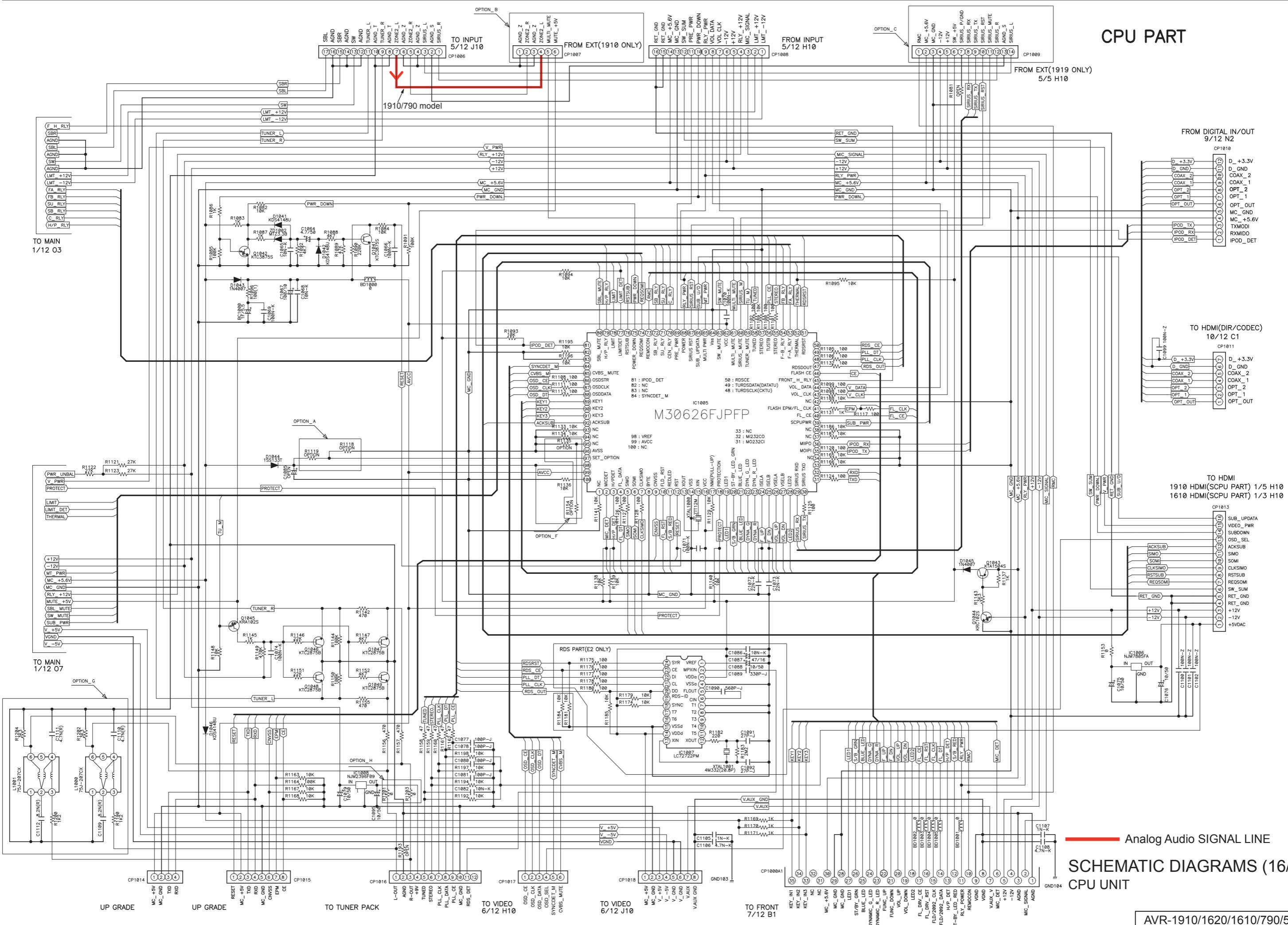
**SCHEMATIC DIAGRAMS (14/25)**  
16 HDMI UNIT (7/7) (1610/1620/590 model)  
DAC PART

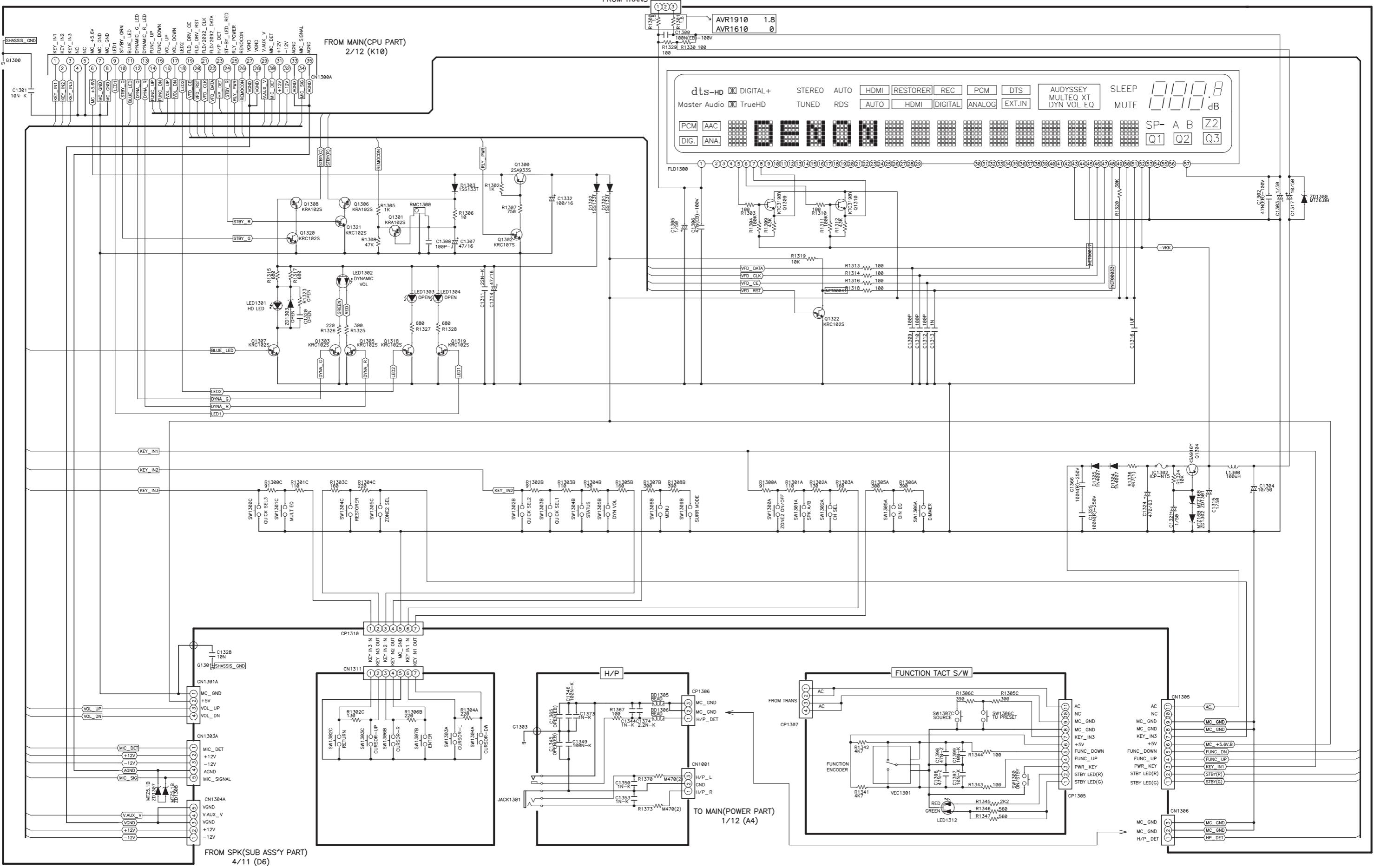
AVR-1910/1620/1610/790/590

## MAIN PART

SCHEMATIC DIAGRAMS (15/25)  
MAIN UNIT

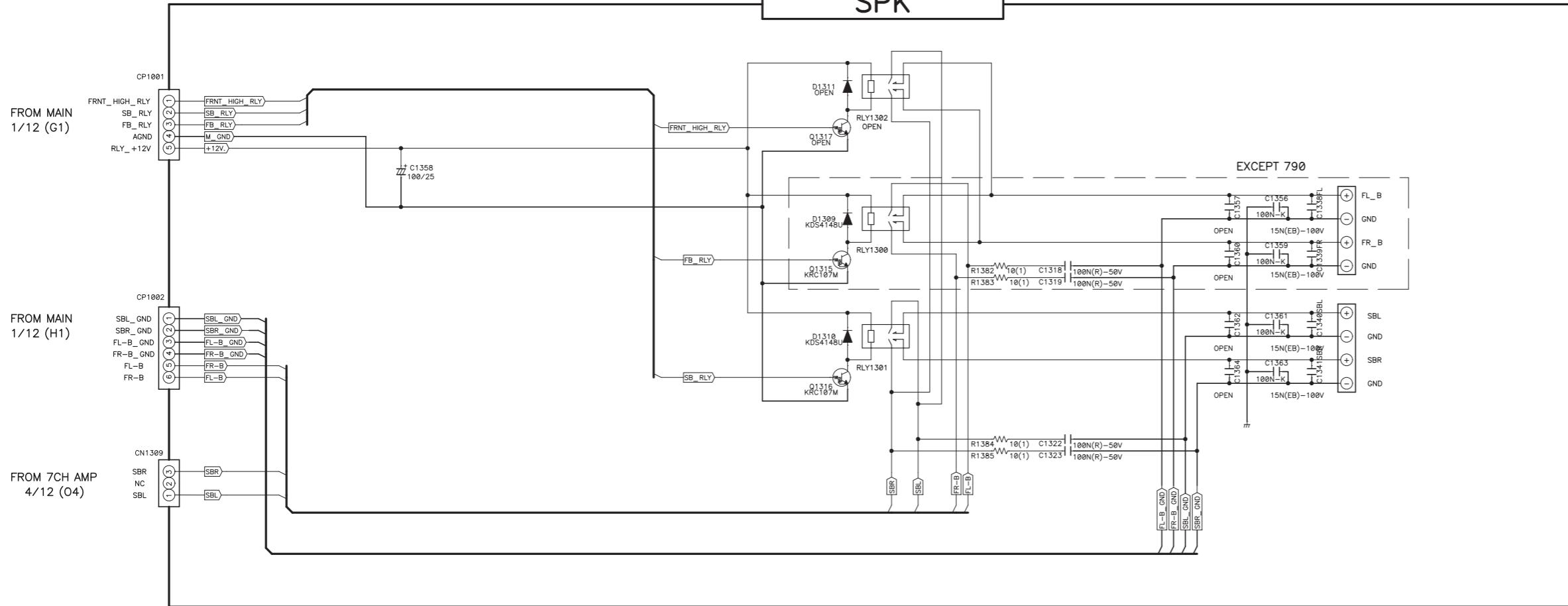
## CPU PART



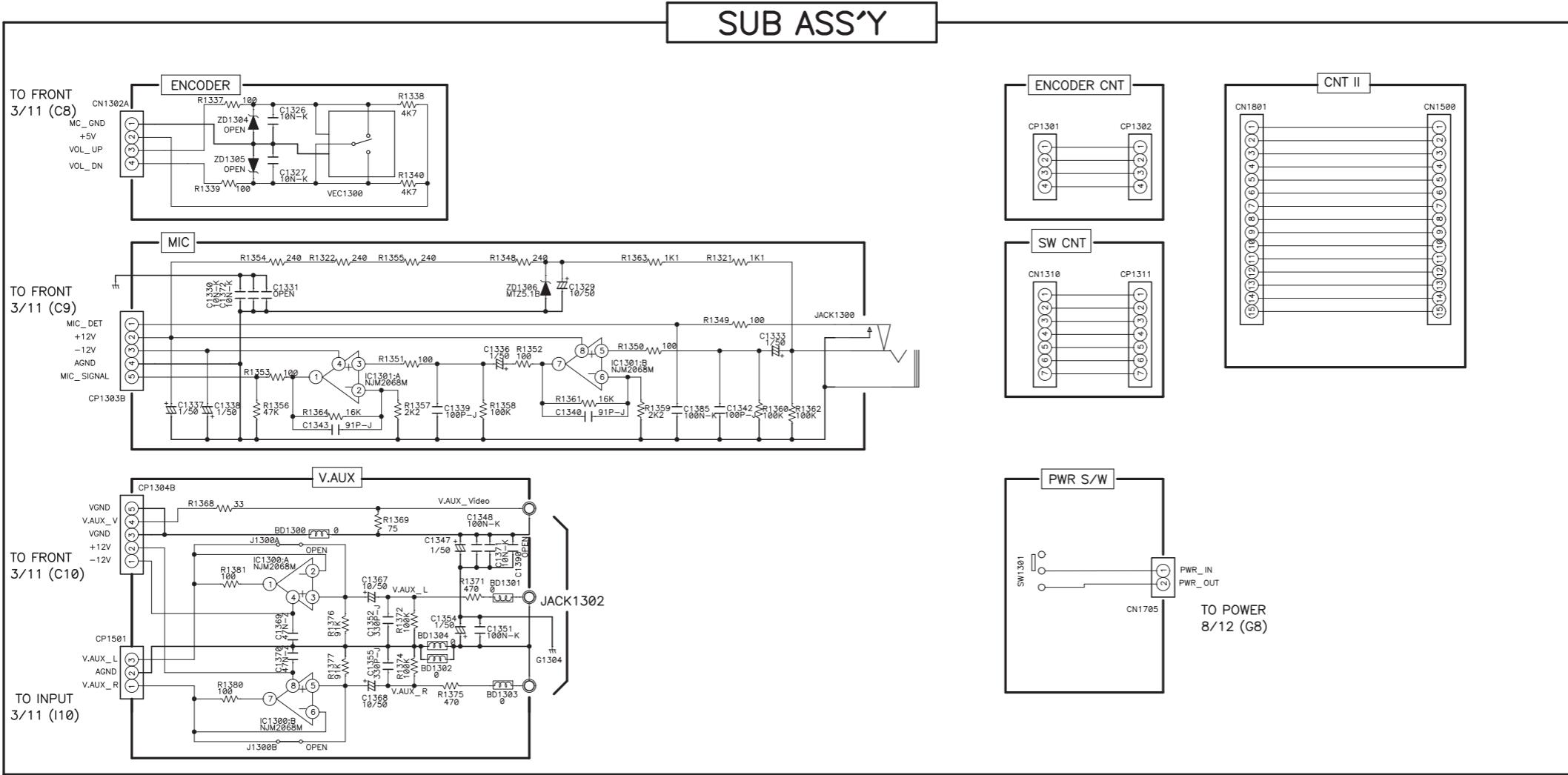
SCHEMATIC DIAGRAMS (17/25)  
FRONT UNIT

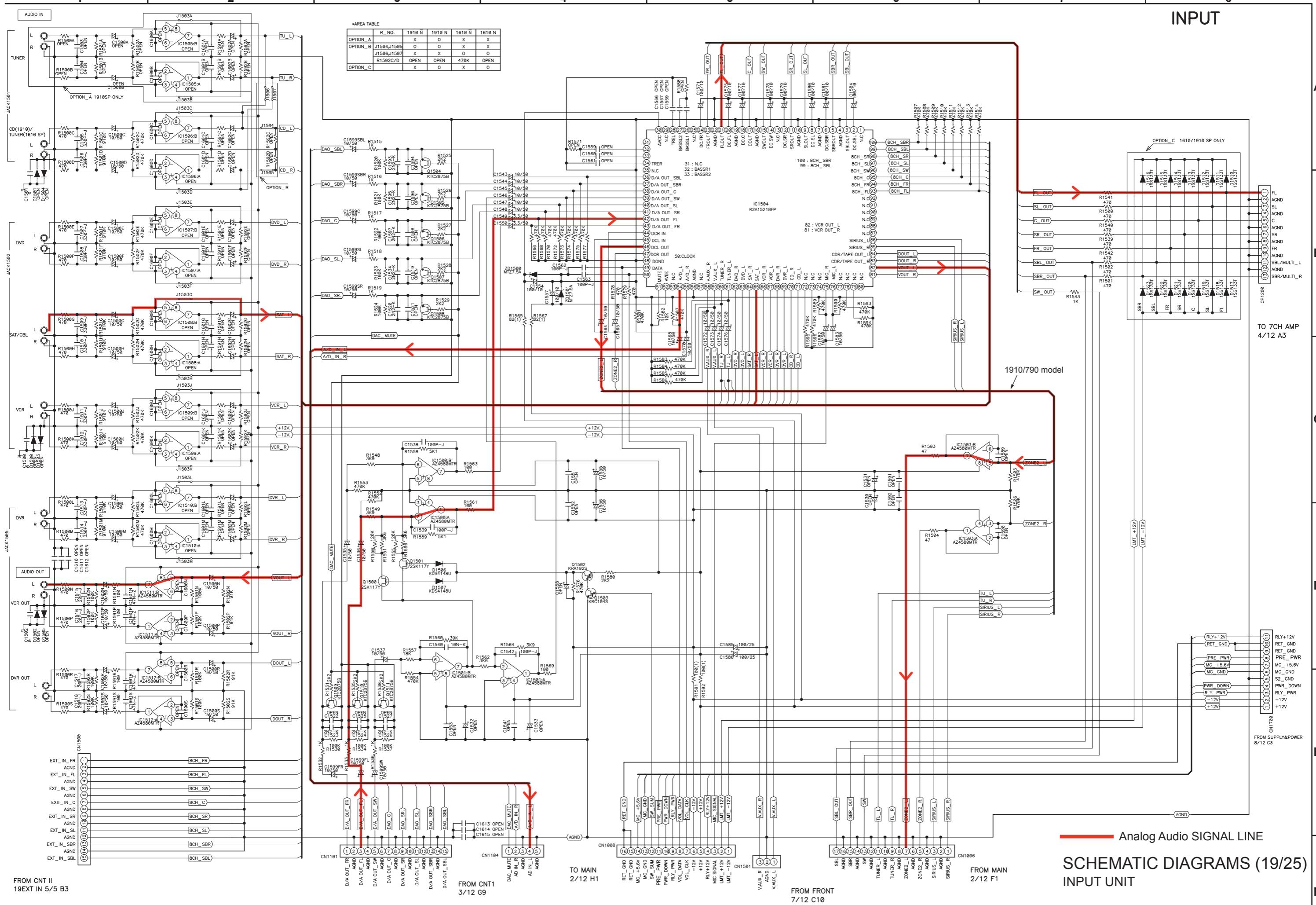
1 2 3 4 5 6 7 8

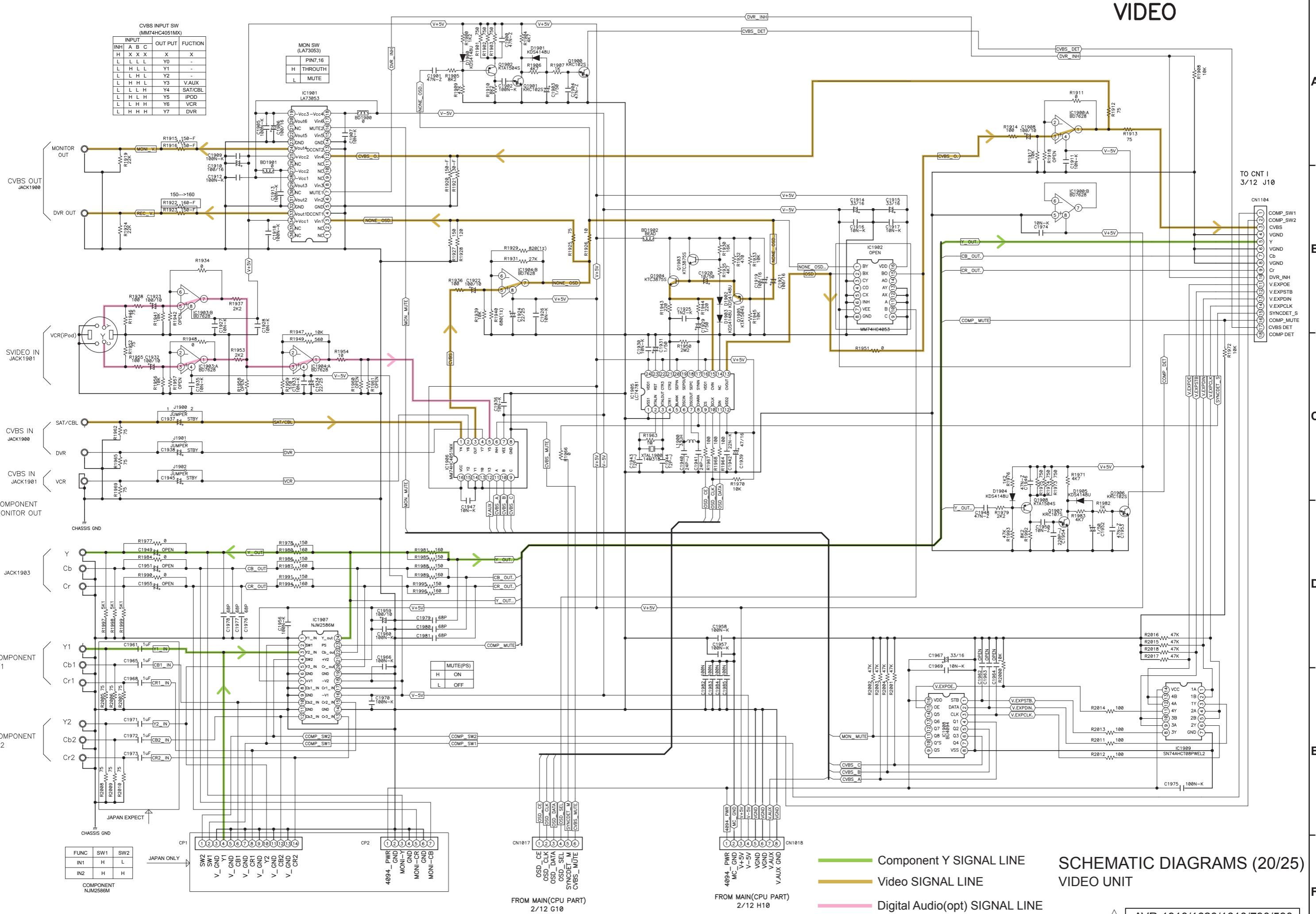
SPK

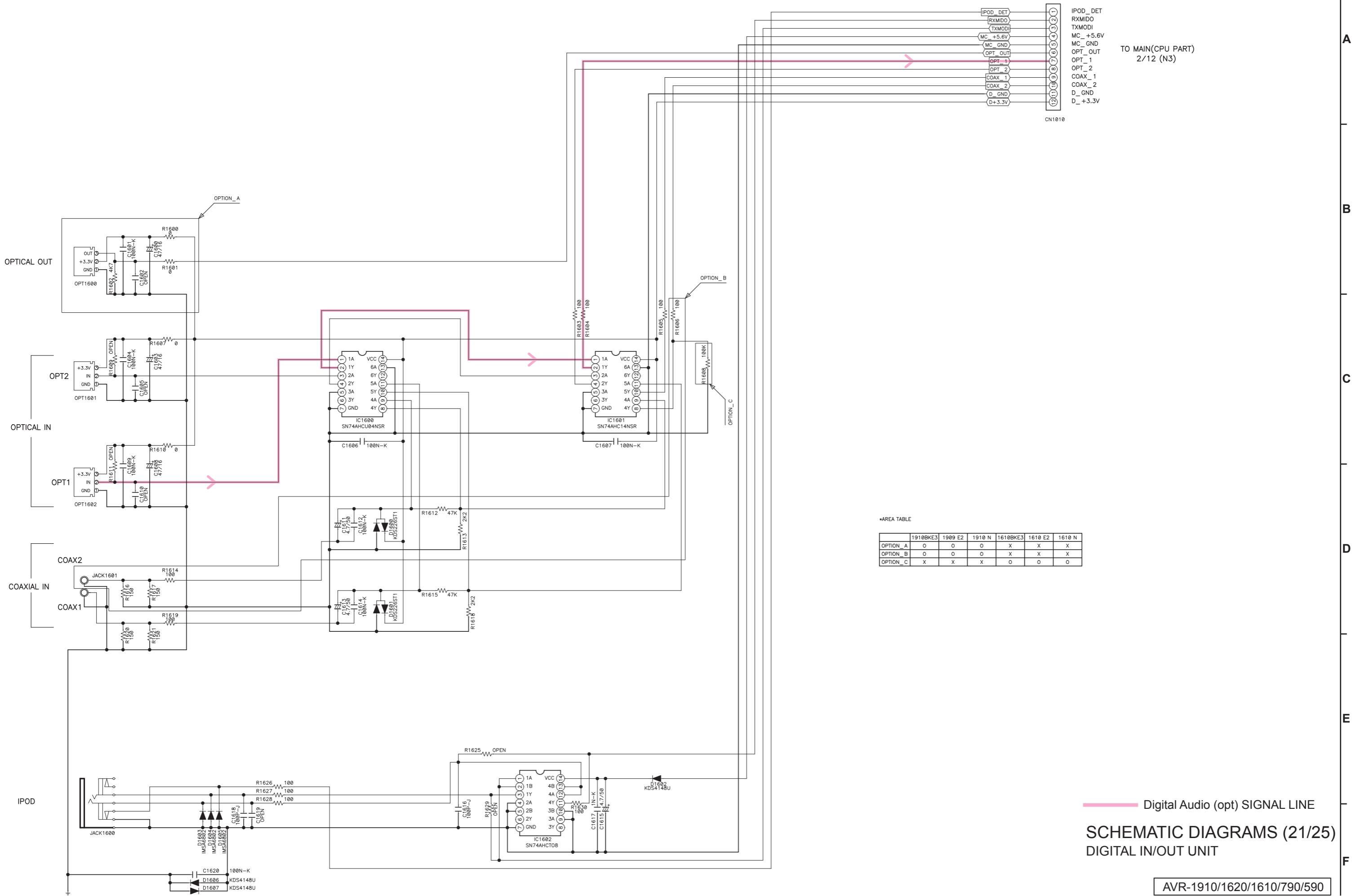


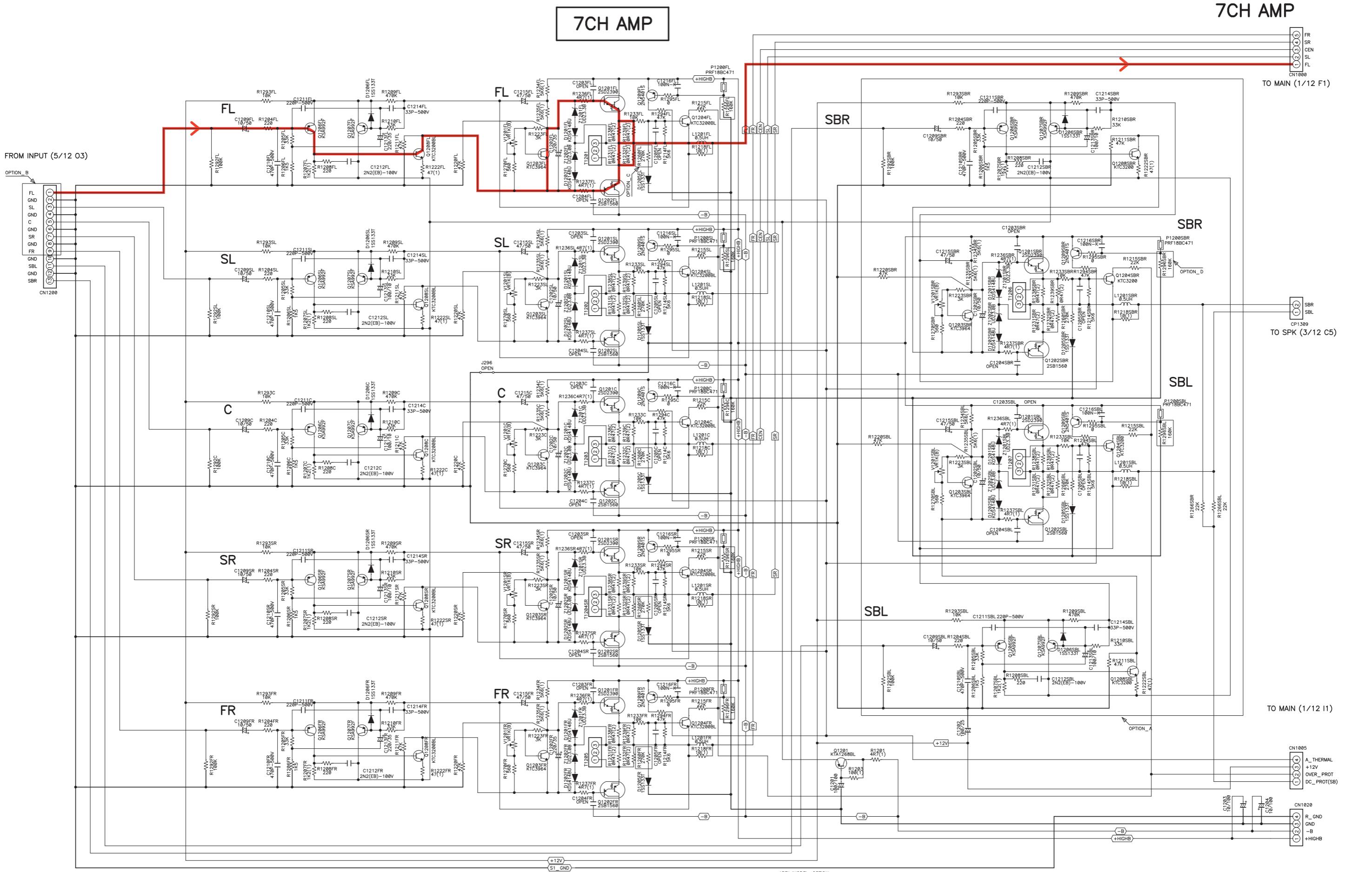
SUB ASS'Y







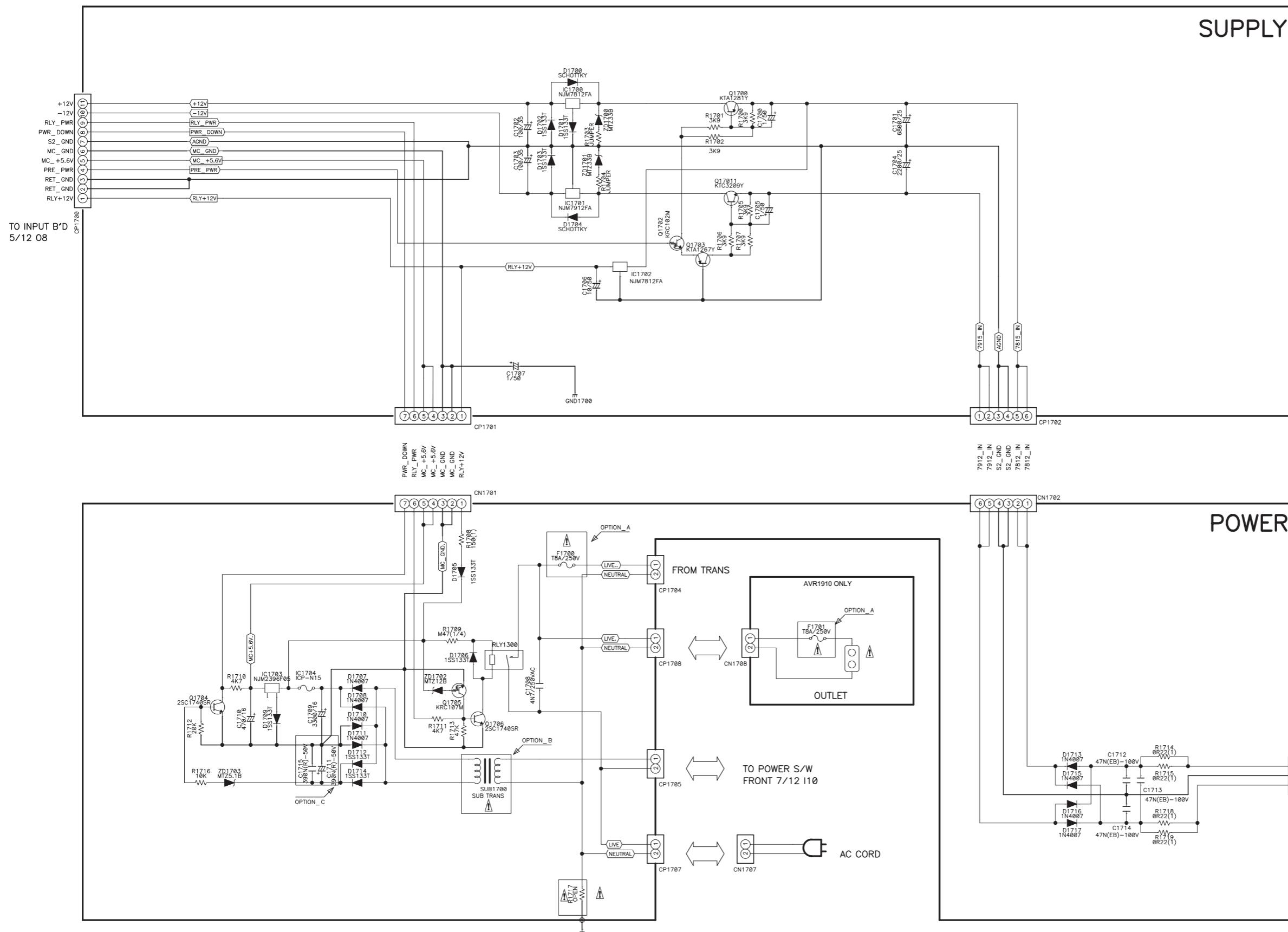




	R_NO	1610E3	1610N	1610E1C	1610E2	790EA	590E3	590EA	1910E2	1910N	1910E1C	1910E3	790E3
OPTION_A	*	X	X	X	X	O	X	X	O	O	O	O	O
OPTION_B	*	0	0	0	0	X	0	0	X	X	X	X	X
OPTION_C	*	300K	300K	300K	300K	300K	300K	300K	270K	270K	270K	270K	270K
OPTION_D		160K	160K	160K	160K	160K	160K	160K	180K	180K	180K	180K	180K

Analog Audio SIGNAL LINE

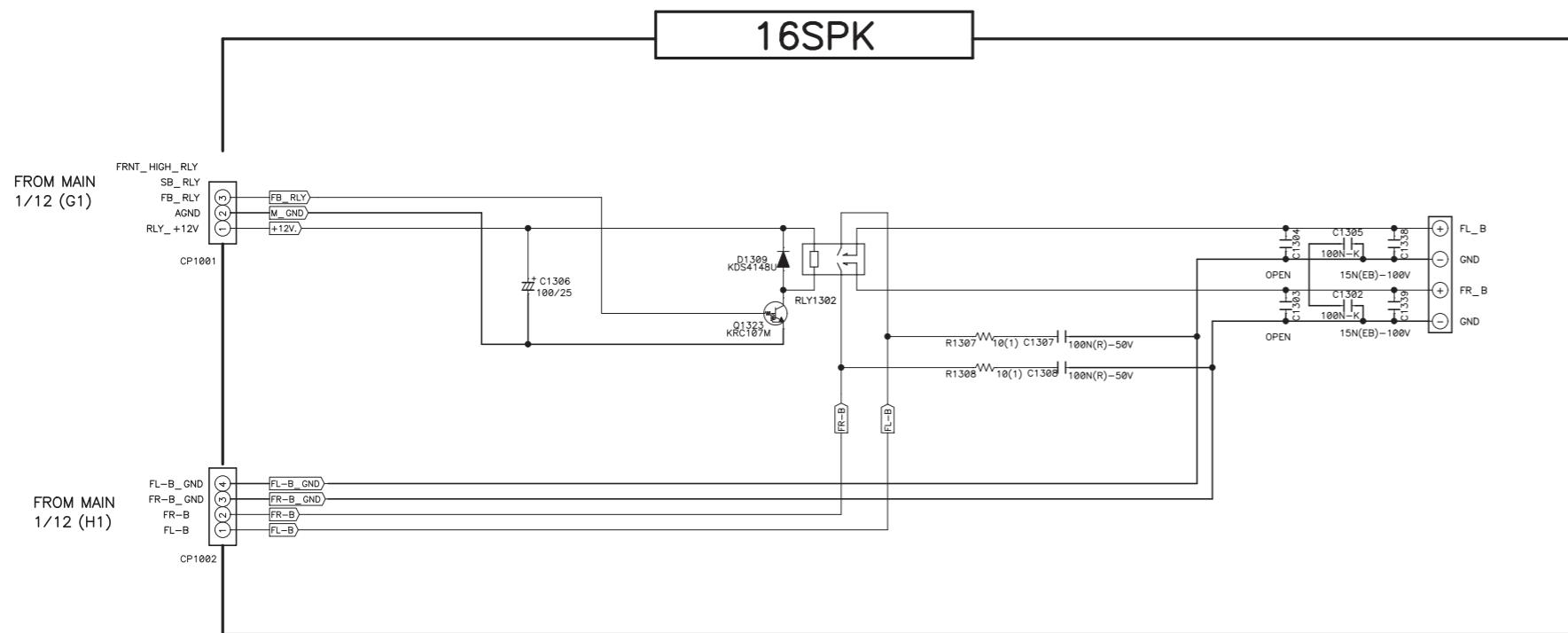
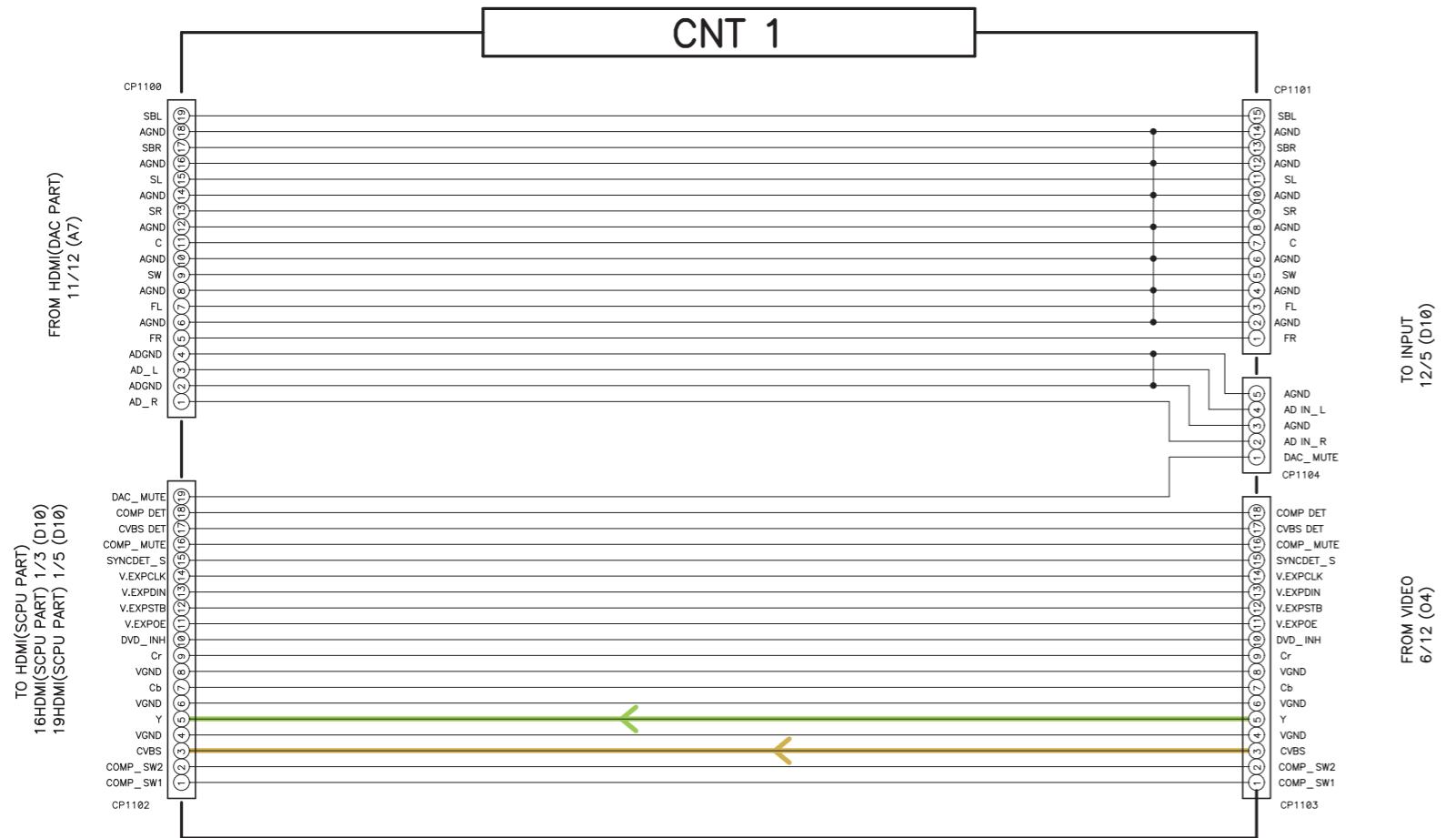
**SCHEMATIC DIAGRAMS (22/25)**  
**7CH-AMP UNIT**



AREA TABLE

R. NO.	1610E3	1610N	1610E1C	1610E2	790EA	590E3	590EA	1910E2	1910E1C	1910E3	790E3
OPTION_A	T6.3AL/250V	T8A/25V	T4AL/250V	T4AL/250V	T6.3AL/250V	T6.3AL/250V	T4AL/250V	T4AL/250V	T4AL/250V	T6.3AL/250V	T6.3AL/250V
F1700											
F1701	T8AL/250V	T8A/125V	T2.5AL/250V	T2.5AL/250V	T2.5AL/250V	T2.5AL/250V	T2.5AL/250V	T2.5AL/250V	T8AL/250V	T8AL/250V	T8AL/250V
OPTION_B	120V/60Hz	100V/50Hz	220V/50,60Hz	230V/50Hz	230V/50Hz	120V/60Hz	230V/50Hz	220V/50,60Hz	220V/50,60Hz	120V/60Hz	120V/60Hz
SUB1700											
OPTION_C	C1711	1/50	1/50	1/50	390N(R)-50V	1/50	1/50	390N(R)-50V	390N(R)-50V	390N(R)-50V	390N(R)-50V
C1715	-	-	-	-	390N(R)-50V	-	-	390N(R)-50V	390N(R)-50V	390N(R)-50V	390N(R)-50V

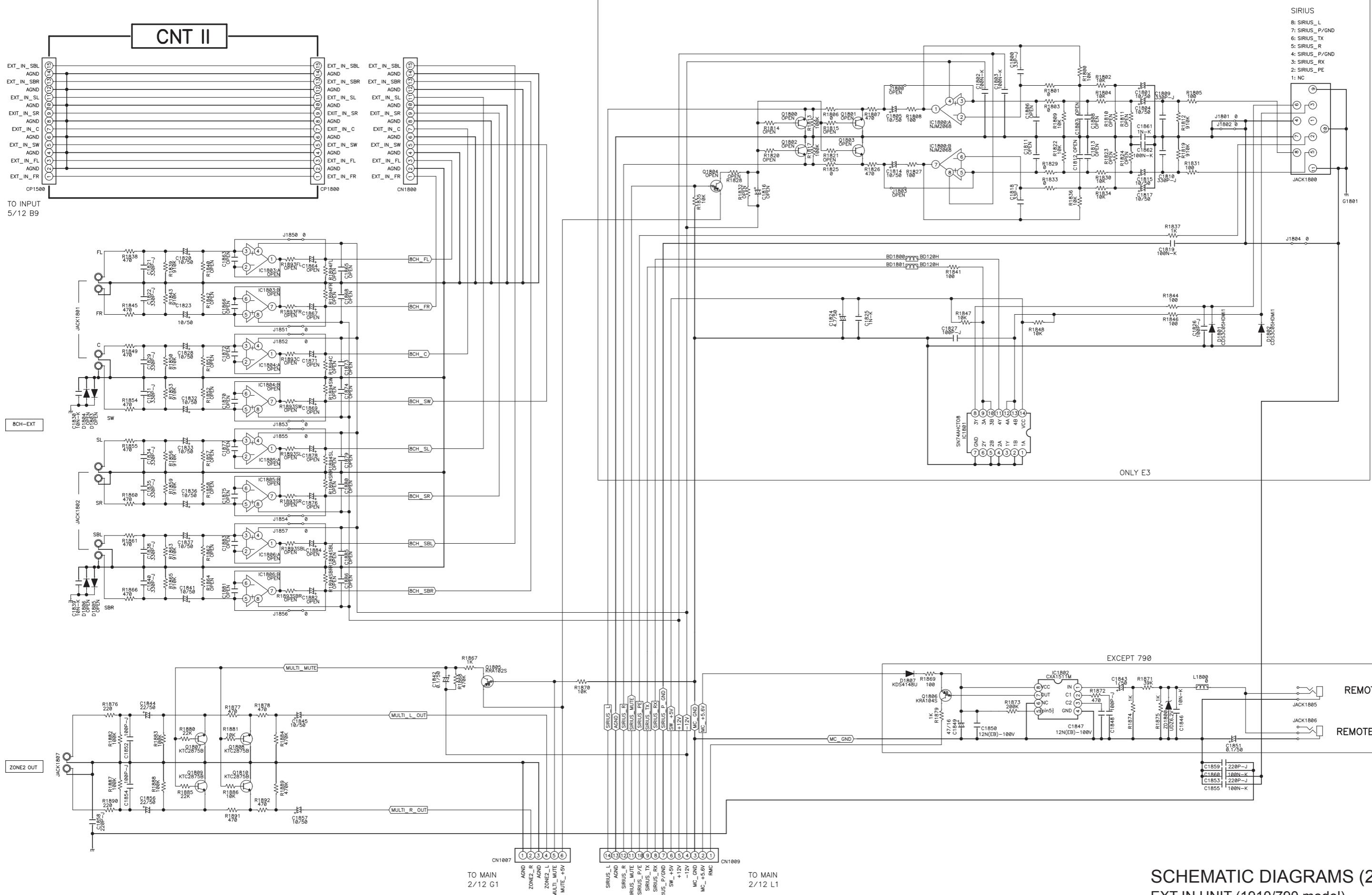
SCHEMATIC DIAGRAMS (23/25)  
SUPPLY UNIT  
POWER UNIT



Component Y SIGNAL LINE

Video SIGNAL LINE

SCHEMATIC DIAGRAMS (24/25)  
CNT UNIT  
16SPK UNIT



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