DENON

Ver. 3

Please refer to the MODIFICATION NOTICE.

# SERVICE MANUAL

| MODEL | JP | E3 | E2 | EK | EA | E1 | E1C | E1K |
|---|---|---|---|---|---|---|---|---|
| AVR-S500BT | | ✓ | | | | | ✓ | |
| AVR-X510BT | | | | | | ✓ | ✓ | |

## 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.

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# ABOUT THIS MANUAL

Read the following information before using the service manual.

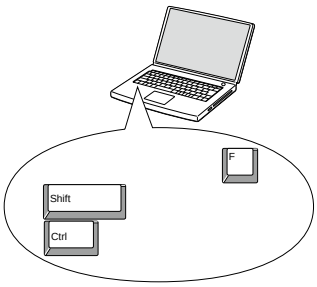
## What you can do with this manual

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

You can use the search function in Acrobat Reader to search for a Ref. No. in schematic diagrams, printed wiring circuit diagrams, block diagrams, and parts lists.

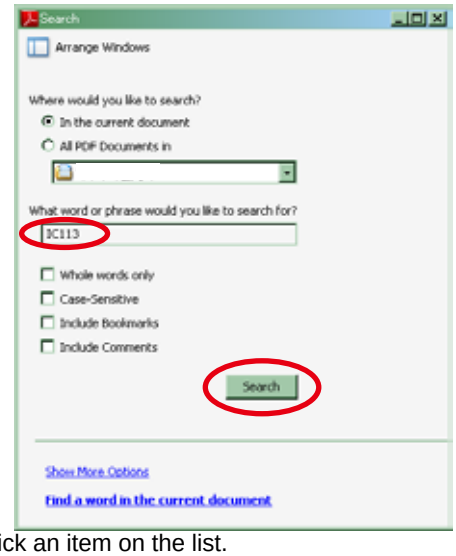
1.Press **Ctrl+Shift+F** on the keyboard.

- The Search window appears.




2.Enter the Ref. No. you want to search for in the Search window, and then click the **Search** button.

•A list of search results appears.



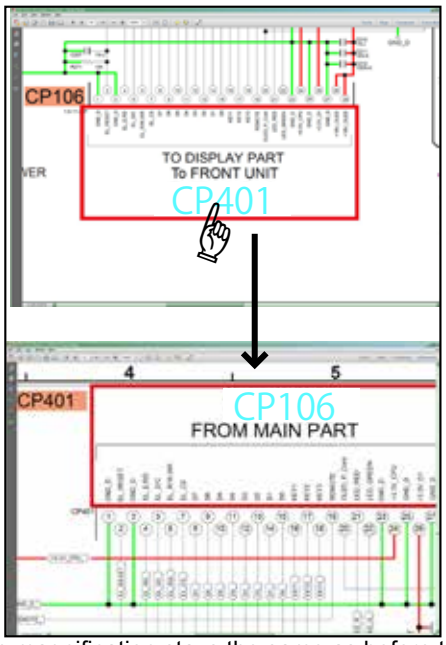

3.Click an item on the list.

• The screen jumps to the page for that item, and the search phrase is displayed.

### Jump to the target of a schematic diagram connector

Click the Ref. No. of the target connector in the red box around a schematic diagram connector.

•The screen jumps to the target connector.




•Page magnification stays the same as before the jump.

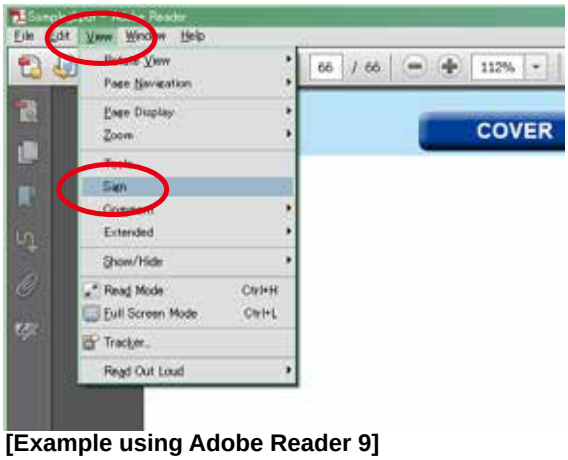
## Using Adobe Reader (Windows version)

### Add notes to this data (Sign)

The Sign function lets you add notes to the data in this manual.
Save the file once you have finished adding notes.

**[Example using Adobe Reader X]**
On the **"View"** menu, click **"Sign"**.

- The Sign pane appears.



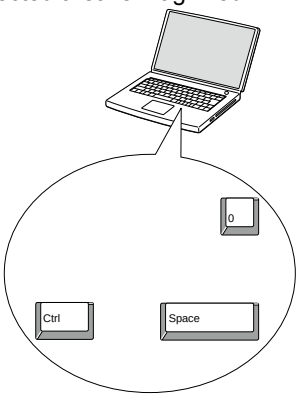

**[Example using Adobe Reader 9]**
On the **"Document"** menu, click **"Sign"**.

### Magnify schematic / printed circuit board diagrams - 1

### (Ctrl+Space, mouse operation)

Press **Ctrl+Space** on the keyboard and drag the mouse to select the area you want to view.

- The selected area is magnified.

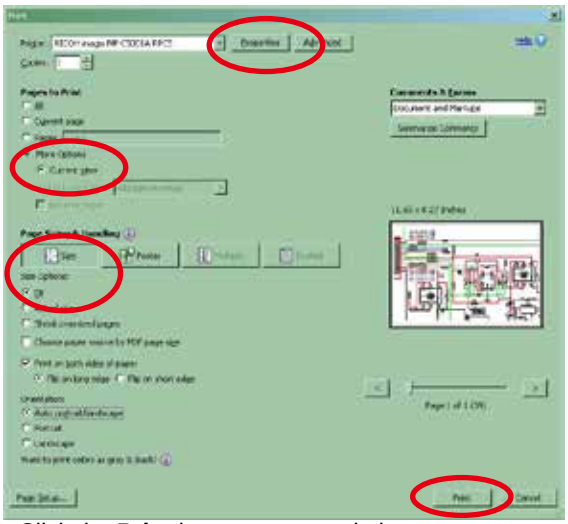



- When you want to move the area shown, hold down **Space** and drag the mouse.
- When you want to show a full page view, press **Ctrl+0** on the keyboard.

### Print a magnified part of the manual

The Properties dialog box and functions will vary depending on your printer.

1. Drag the mouse to magnify the part you want to print.
2. On the **"File"** menu, click **"Print"**.
3. Configure the following settings in the Print dialog box.



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

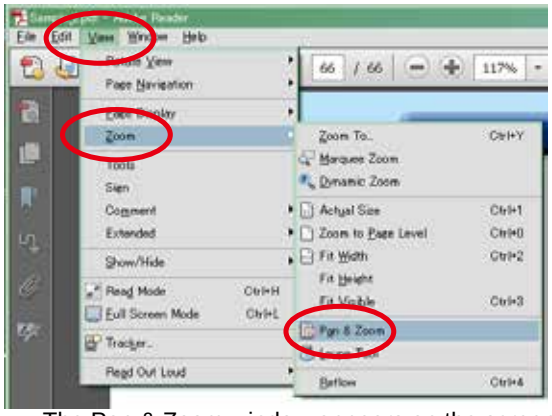
4. Click the **Print** button to start printing.

## Magnify schematic / printed circuit board diagrams - 2

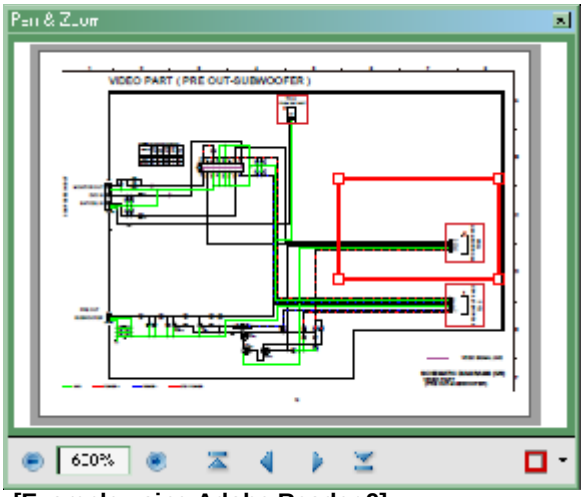
## (Pan & Zoom function)

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

**[Example using Adobe Reader X]**
On the **"View"** menu, point to **"Zoom"**, and then click **"Pan & Zoom"**.




- The Pan & Zoom window appears on the screen.



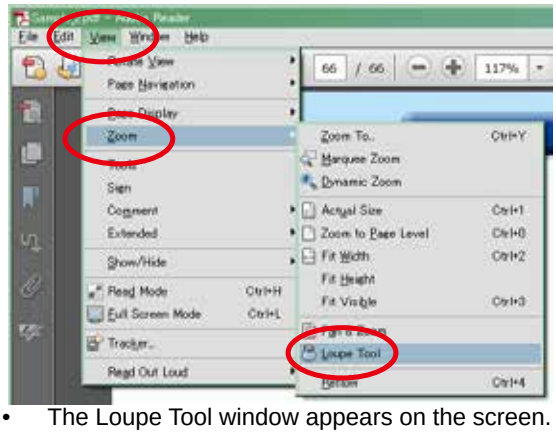

**[Example using Adobe Reader 9]**
On the **"Tools"** menu, point to **"Select & Zoom"**, and then click **"Pan & Zoom Window"**.

## Magnify schematic / printed circuit board diagrams - 3

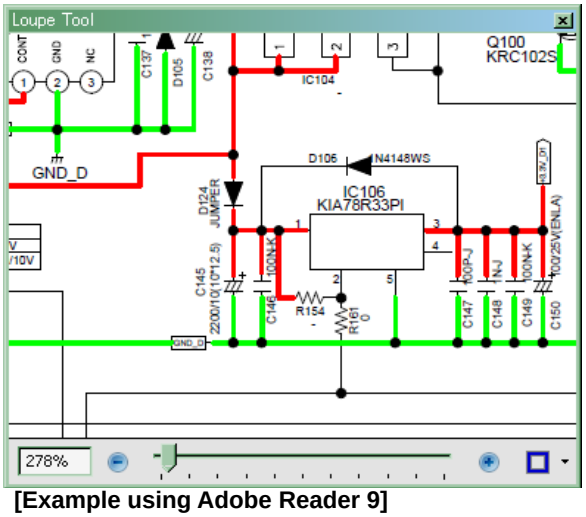
## (Loupe Tool function)

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

**[Example using Adobe Reader X]**
On the **"View"** menu, point to **"Zoom"**, and then click **"Loupe Tool"**.




- The Loupe Tool window appears on the screen.




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

# SAFETY PRECAUTIONS

The following items should be checked for continued protection of the customer and the service technician.

## leakage current check

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

Be sure to test for leakage current with the AC plug in both polarities, in addition, when the set's power is in each state (on, off and standby mode), if applicable.

**CAUTION** **Please heed the following cautions and instructions during servicing and inspection.**

◎ **Heed the cautions!**

Cautions which are delicate in particular for servicing are labeled on the cabinets, the parts and the chassis, etc. Be sure to heed these cautions and the cautions described in the handling instructions.

◎ **Cautions concerning electric shock!**

(1) An AC voltage is impressed on this set, so if you touch internal metal parts when the set is energized, you may get an electric shock. Avoid getting an electric shock, by using an isolating transformer and wearing gloves when servicing while the set is energized, or by unplugging the power cord when replacing parts, for example.

(2) There are high voltage parts inside. Handle with extra care when the set is energized.

◎ **Caution concerning disassembly and assembly!**

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

◎ **Use only designated parts!**

The set's parts have specific safety properties (fire resistance, voltage resistance, etc.). Be sure to use parts which have the same properties for replacement. The burrs have the same properties. In particular, for the important safety parts that are indicated by the ⚠ mark on schematic diagrams and parts lists, be sure to use the designated parts.

◎ **Be sure to mount parts and arrange the wires as they were originally placed!**

For safety seasons, some parts use tapes, tubes or other insulating materials, and some parts are mounted away from the surface of printed circuit boards. Care is also taken with the positions of the wires by arranging them and using clamps to keep them away from heating and high voltage parts, so be sure to set everything back as it was originally placed.

◎ **Make a safety check after servicing!**

Check that all screws, parts and wires removed or disconnected when servicing have been put back in their original positions, check that no serviced parts have deteriorate the area around. Then make an insulation check on the external metal connectors and between the blades of the power plug, and otherwise check that safety is ensured.

(Insulation check procedure)

Unplug the power cord from the power outlet, disconnect the antenna, plugs, etc., and on the power. Using a 500V insulation resistance tester, check that the insulation resistance value between the inplug and the externally exposed metal parts (antenna terminal, headphones terminal, input terminal, etc.) is 1MΩ or greater. If it is less, the set must be inspected and repaired.

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

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

(1) Schematic diagrams.....Indicated by the ⚠ mark.

(2) Parts lists.....Indicated by the ⚠ mark.

The use of parts other than the designated parts could cause electric shocks, fires or other dangerous situations.

# NOTE FOR SCHEMATIC DIAGRAM

**WARNING:**

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

**CAUTION:**

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

**WARNING:**

DO NOT return the set to the customer unless the problem is identified and remedied.

**NOTICE:**

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

ALL CAPACITANCE VALUES ARE EXPRESSED IN MICRO FARAD, UNLESS OTHERWISE INDICATED. P INDICATES MICRO-MICRO FARAD. EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

# NOTE FOR PARTS LIST

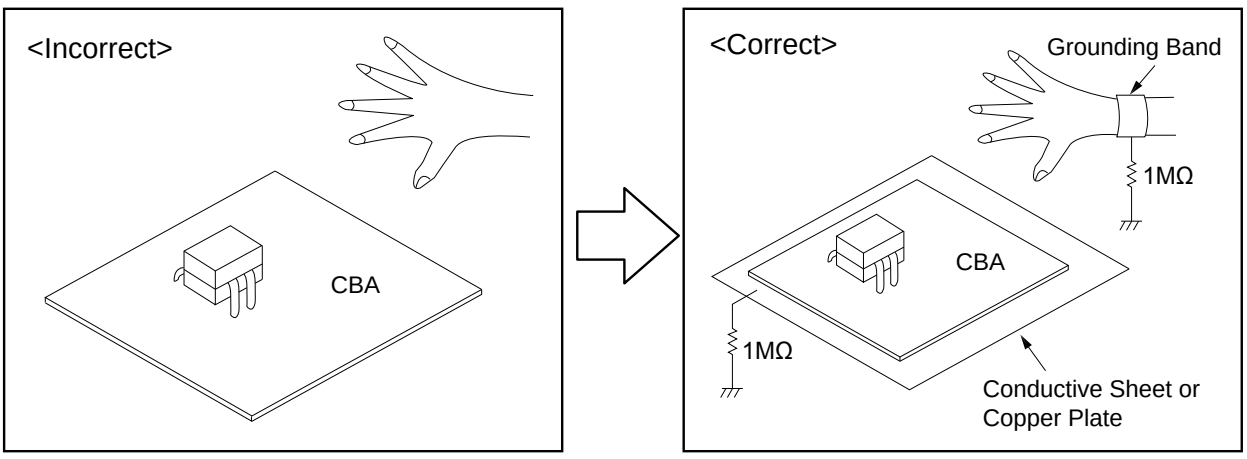
1. Parts indicated by **"nsp"** on this table cannot be supplied.
2. When ordering a part, make a clear distinction between "1" and "I" (i) to avoid mis-supplying.
3. A part ordered without specifying its part number can not be supplied.
4. Part indicated by " ★ " mark is not illustrated in the exploded view.

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

## INSTRUCTIONS FOR HANDLING SEMI-CONDUCTORS AND OPTICAL UNIT

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

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



Personal notes:

# TECHNICAL SPECIFICATIONS FOR AVR-S500BT

## ❑ Audio Section

- **Power amplifier**

**Rated output :**

Front :

70 W + 70 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
90 W + 90 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)

Center :

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

Surround :

70 W + 70 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
90 W + 90 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)

**Output connectors :** 6 – 16 Ω/ohms

- **Analog**

Input sensitivity/Input impedance : 200 mV/47 kΩ
Frequency response: 10 Hz – 100 kHz — +1, –3 dB (Direct mode)
S/N : 98 dB (IHF–A weighted, Direct mode)

## ❑ Tuner section

[FM](Note: µV at 75 Ω, 0 dBf = 1 x $10^{-15}$ W)
Reception frequency range :
(for E3) : [FM] 87.5 MHz – 107.9 MHz [AM]520 kHz – 1710 kHz
(for E1C) : [FM] 87.5 MHz – 108.0 MHz [AM]522 kHz – 1611 kHz
Effective sensitivity :
[FM]1.2 µV (12.8 dBf) [AM]18 µV
50 dB sensitivity :
[FM]MONO 2.8 µV (20.2 dBf)
S/N ratio :
[FM]MONO 70 dB (IHF–A weighted, Direct mode)
STEREO 67 dB (IHF–A weighted, Direct mode)
Distortion (at 1 kHz) :
[FM]MONO 0.7 %
STEREO 1.0 %

## ❑ Bluetooth Section

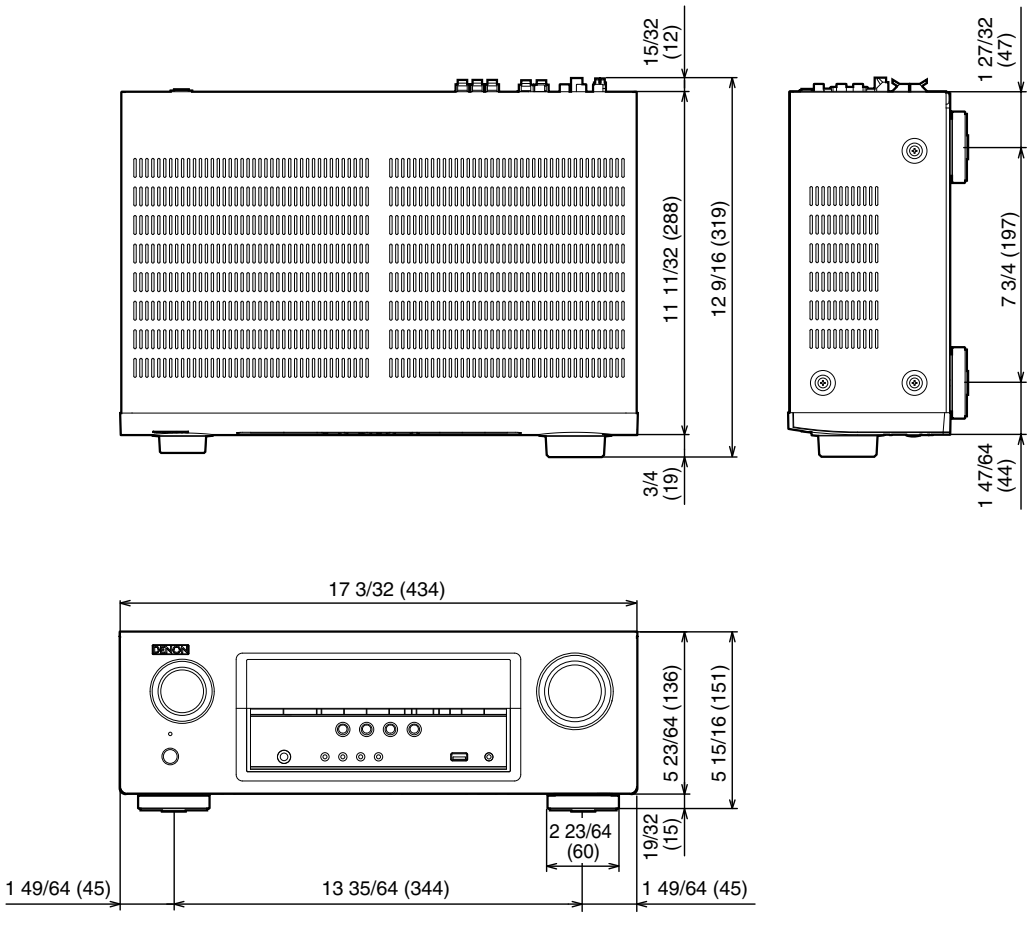
**Communications system :** Bluetooth Version 2.1 + EDR (Enhanced Data Rate)
**Transmission power :** Maximum 2.5 mW (Class 2)
**Maximum communication range :** Approx. 32.8 ft/10m 2 in line of sight
**Frequency band :** 2.4 GHz band
**Modulation scheme :** FHSS (Frequency-Hopping Spread Spectrum)
**Supported profiles :** A2DP (Advanced Audio Distribution Profile)1.2
AVRCP (Audio Video Remote Control Profile)1.4
**Corresponding codec :** SBC, AAC
**Transmission range (A2DP) :** 20 Hz - 20,000 Hz

## ❑ General

**Power supply :** (for E3) : AC 120 V, 60 Hz
(for E1C) : AC 220 V, 50 Hz
**Power consumption** :310W
**Power consumption in standby mode:** 0.1 W
**Power consumption in CEC standby mode:** 0.5W
**Power consumption when Bluetooth standby is used:** 1W

# DIMENSION

Unit : in. (mm) Weight : 16 lbs 9 oz (7.5 kg)



# TECHNICAL SPECIFICATIONS FOR AVR-X510BT

## ❑ Audio Section

- **Power amplifier**

**Rated output :**

Front :
70 W + 70 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
90 W + 90 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)

Center :
70 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
90 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)

Surround :
70 W + 70 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
90 W + 90 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)

**Output connectors :** 6 – 16 Ω/ohms

- **Analog**

Input sensitivity/Input impedance : 200 mV/47 kΩ
Frequency response: 10 Hz – 100 kHz — +1, –3 dB (Direct mode)
S/N : 98 dB (IHF–A weighted, Direct mode)

## ❑ Tuner section

[FM](Note: µV at 75 Ω, 0 dBf = 1 x $10^{-15}$ W)
Reception frequency range (for E1 / E1C) :
[FM] 87.5 MHz – 108.0 MHz [AM]522 kHz – 1611 kHz
Effective sensitivity :
[FM]1.2 µV (12.8 dBf) [AM]18 µV
50 dB sensitivity :
[FM]MONO 2.8 µV (20.2 dBf)
S/N ratio:
[FM]MONO 70 dB (IHF–A weighted, Direct mode)
STEREO 67 dB (IHF–A weighted, Direct mode)
Distortion (at 1 kHz) :
[FM]MONO 0.7 %
STEREO 1.0 %

## ❑ Bluetooth Section

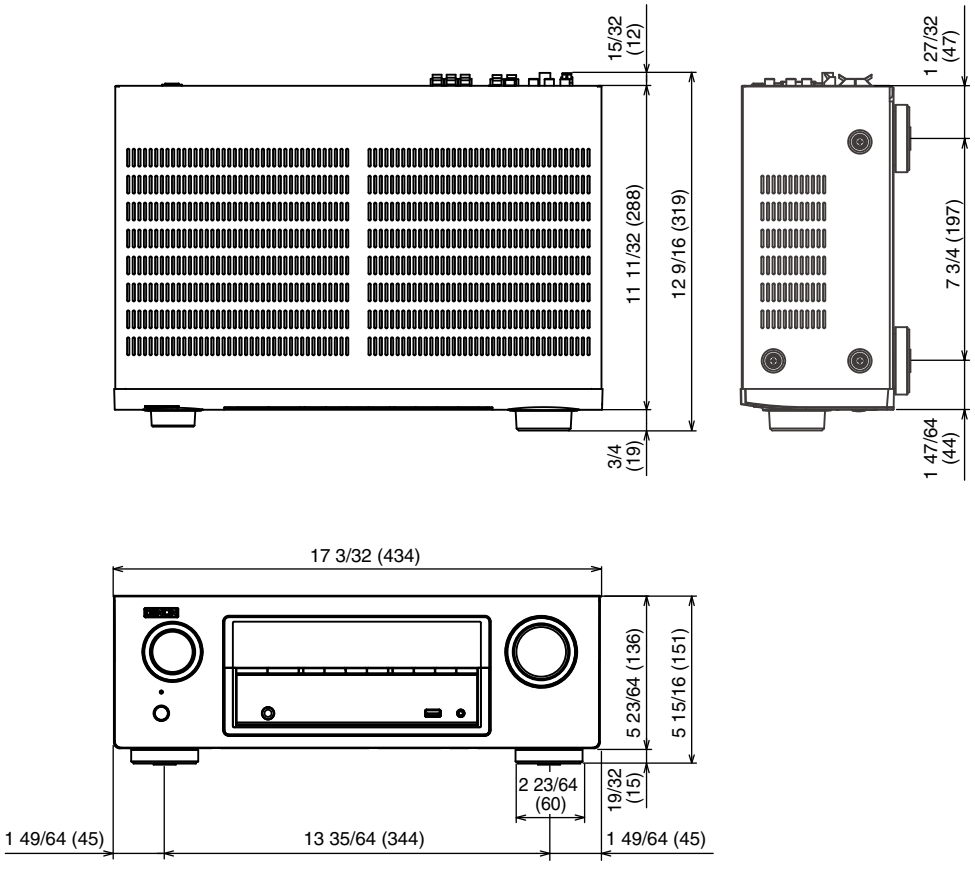
**Communications system :** Bluetooth Version 2.1 + EDR (Enhanced Data Rate)
**Transmission power :** Maximum 2.5 mW (Class 2)
**Maximum communication range :** Approx. 10m 2 in line of sight
**Frequency band :** 2.4 GHz band
**Modulation scheme :** FHSS (Frequency-Hopping Spread Spectrum)
**Supported profiles :** A2DP (Advanced Audio Distribution Profile)1.2
AVRCP (Audio Video Remote Control Profile)1.4
**Corresponding codec :** SBC, AAC
**Transmission range (A2DP) :** 20 Hz - 20,000 Hz

## ❑ General

**Power supply :** (for E1) : AC 230 V, 50 Hz / 60Hz
(for E1C) : AC 220 V, 50 Hz
**Power consumption** :310W
**Power consumption in standby mode:** 0.1 W
**Power consumption in CEC standby mode:** 0.5W
**Power consumption when Bluetooth standby is used:** 1W

# DIMENSION

Unit : in. (mm) Weight : 16 lbs 9 oz (7.5 kg)



# PRECAUTIONS DURING SERVICE

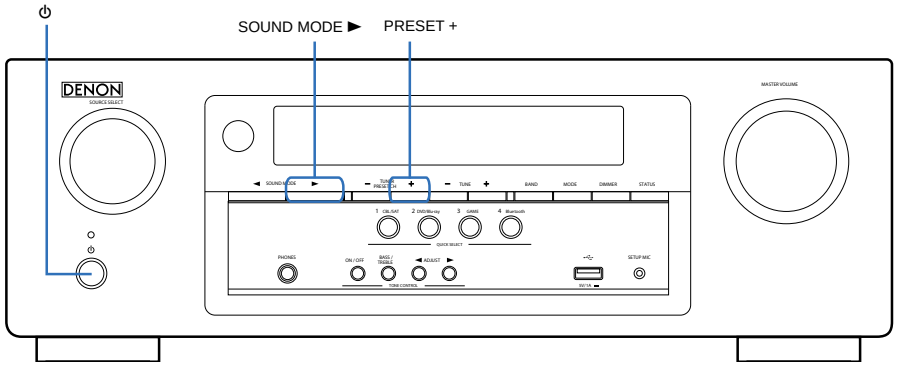
## Initializing This Unit

Initialize this unit if you have replaced the microcomputer, one of the parts around the microcomputer, or the digital PCB.

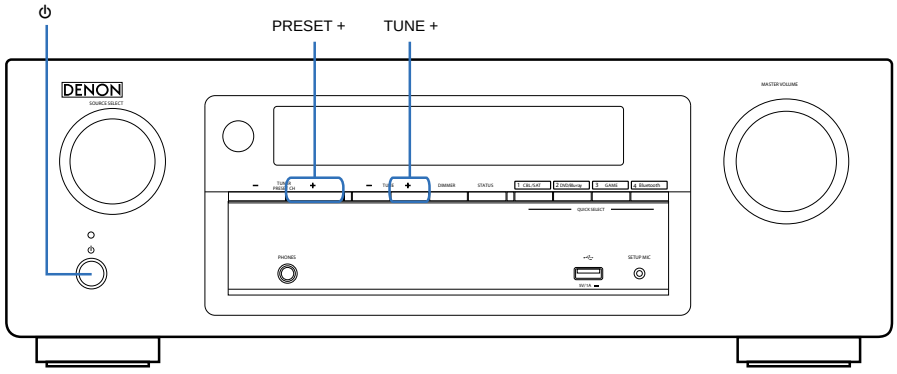
1. Press the power button (⏻) to turn off the power.
2. AVR-S500BT:Hold down buttons "SOUND MODE ►" and "PRESET +" at the same time and press the power button to turn on the power.
   AVR-X510BT:Hold down buttons "PRESET +" and "TUNE +" at the same time and press the power button to turn on the power.
3. Release the buttons after confirming that the display flashes in intervals of approximately 1 second.
   The unit is initialized.

NOTE: •If the status in step 3 does not occur, start again from step 1.
•Initializing the device restores settings configured by the user to the factory settings.
Take note of your settings beforehand and reconfigure them after initialization.

**[AVR-S500BT]**

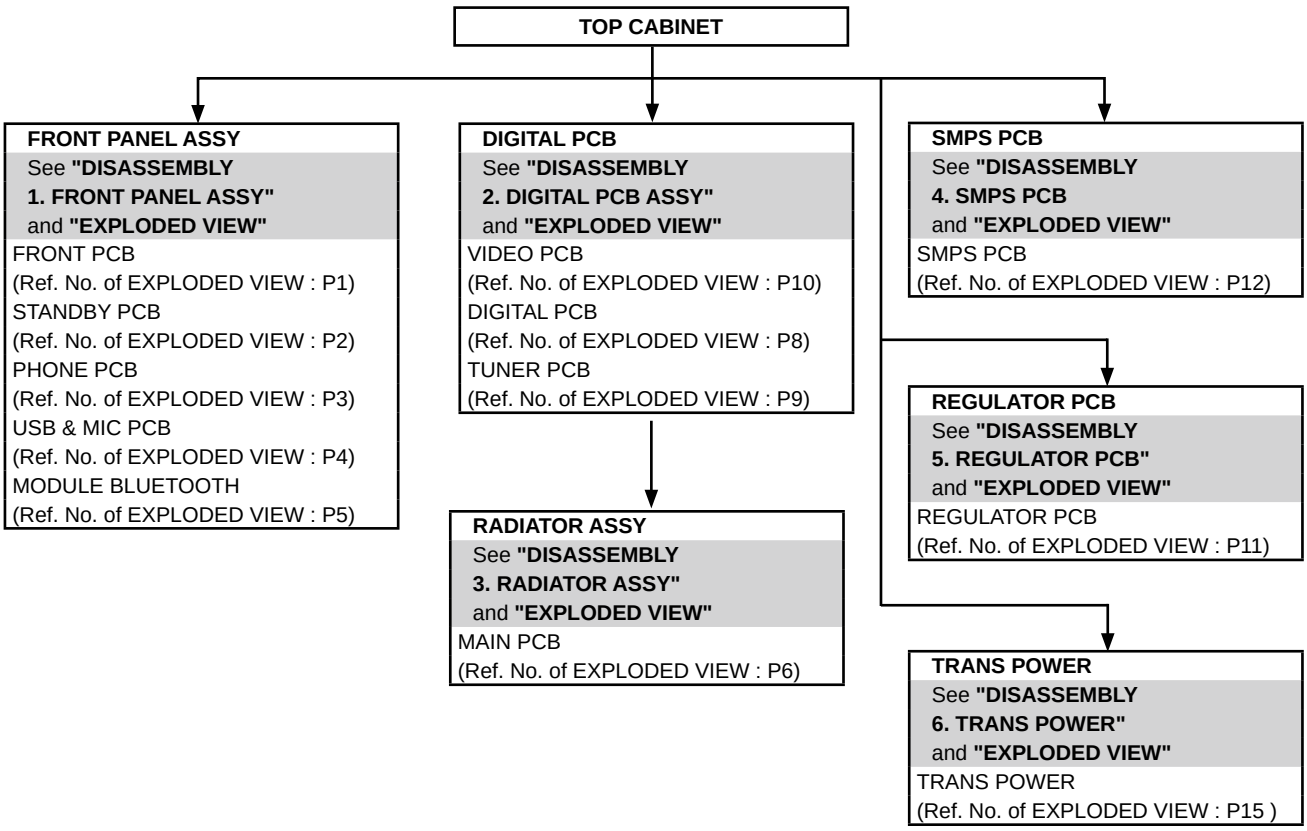



**[AVR-X510BT]**



# DISASSEMBLY

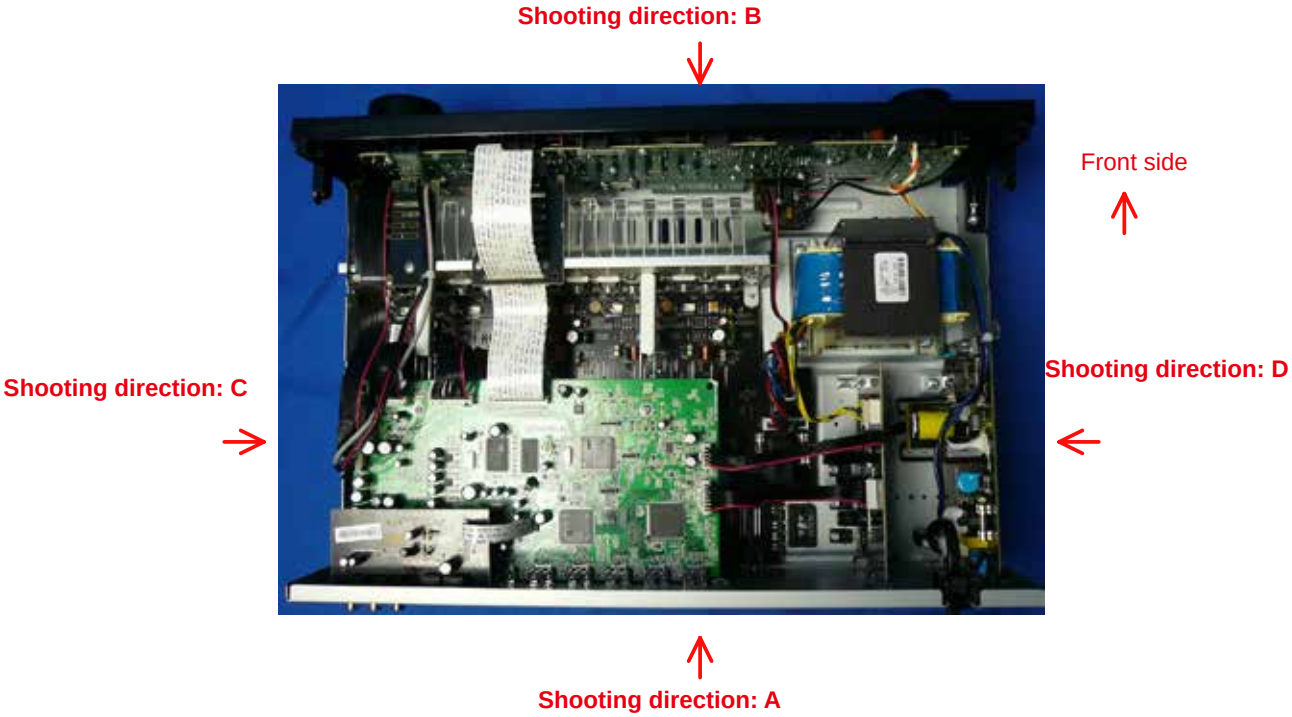
- Remove each part in the order of the arrows below.
- Reassemble removed parts in the reverse order.
- Read“ SAFETY PRECAUTION” before reassembling removed parts.
- If wire bundles are removed or moved during adjustment or part replacement, reshape the wires after completing the work. Failure to shape the wires correctly may cause problems such as noise.



## Explanatory Photos for“ DISASSEMBLY”

- The angles from which the photos are taken are shown by“ Photo angle: A, B, C, D“ .
- See the diagram below about the shooting direction of each photograph.
- Photographs with no shooting direction indicated were taken from the top of the set.
- The photograph is AVR-S500BT E3 model.

### The viewpoint of each photograph (Shooting direction)



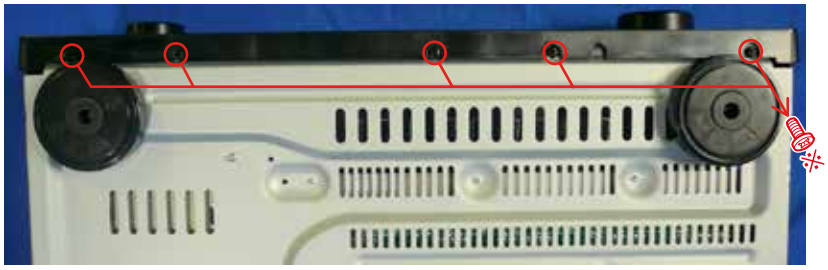

**Note:** • Before disassembling this unit, be sure to discharge the power line (the colored line in the schematic diagram).
• FFC cables with one end disconnected should be insulated by using tapes, etc.

## 1. FRONT PANEL ASSY

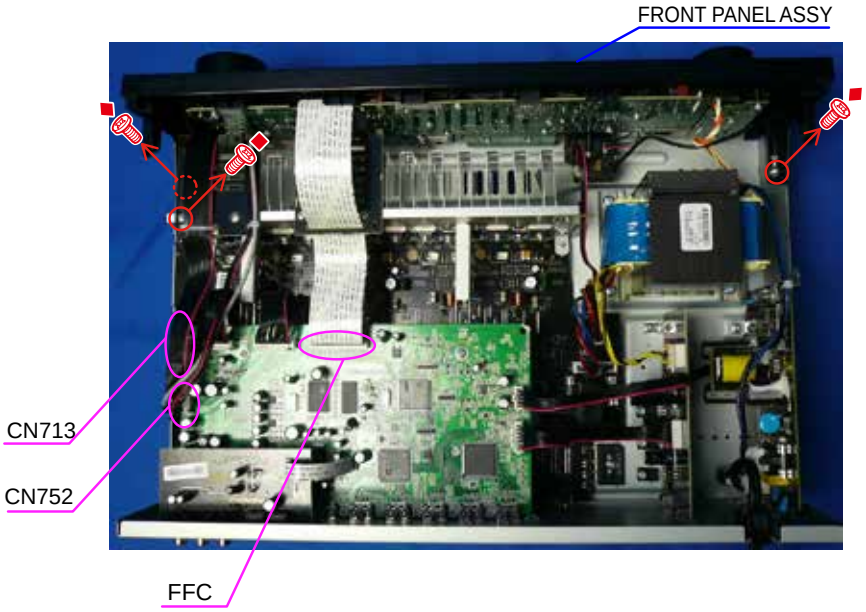
**Proceeding :** CABINET TOP → **FRONT PANEL ASSY**

(1) Remove the screws.

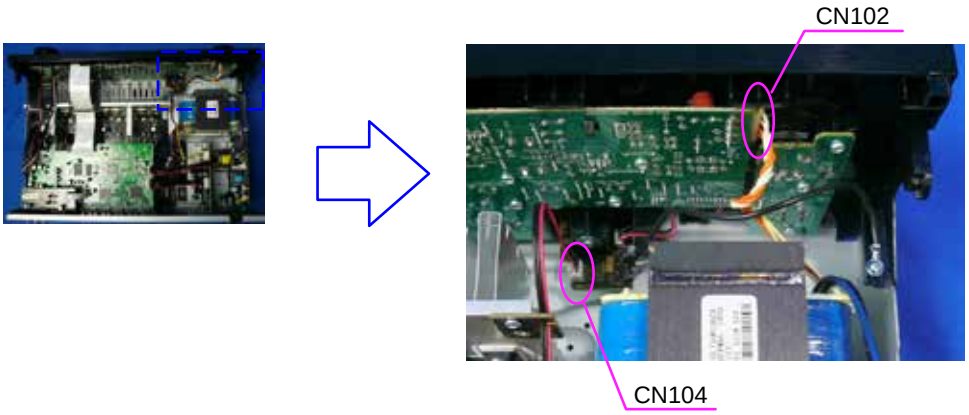
View from the bottom



(2) Remove the screws and disconnect the FFC.




(3) Disconnect the connector wires.




See "EXPLODED VIEW" for the disassembly method of each PCB included in FRONT PANEL ASSY.

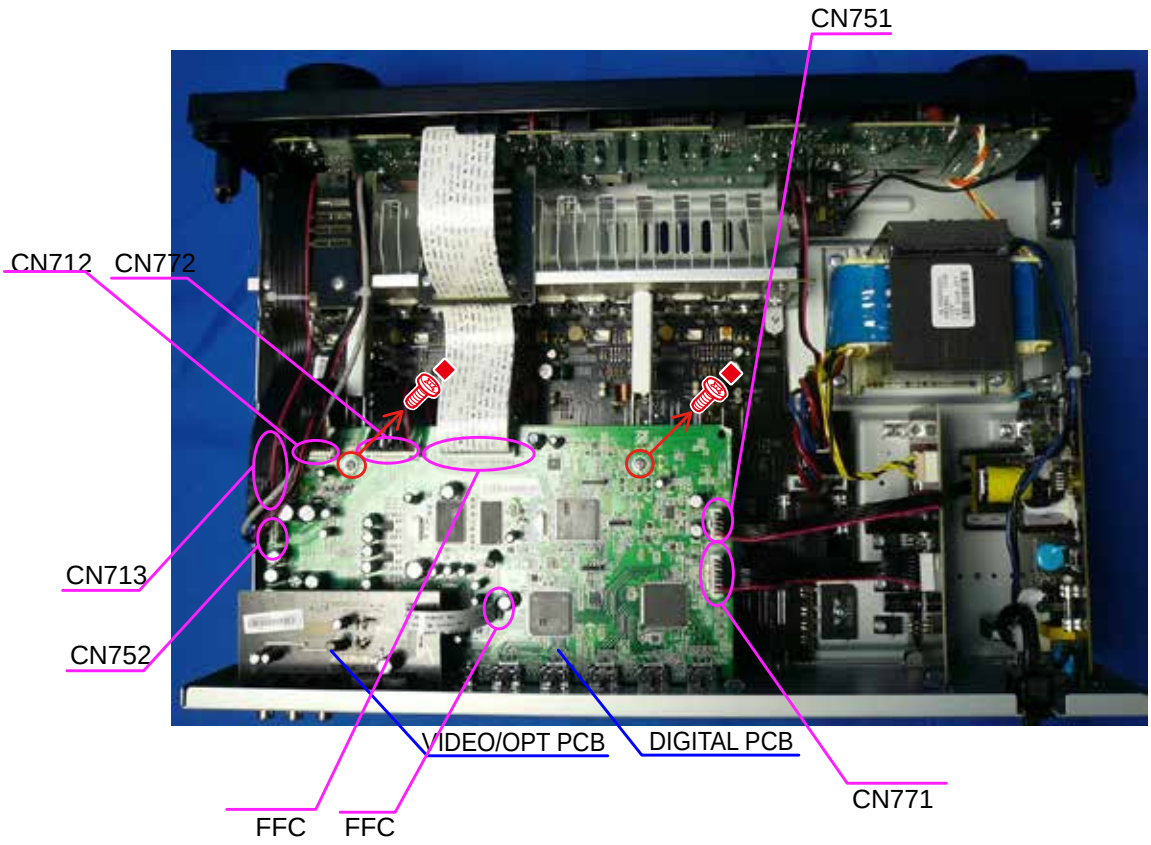
## 2. DIGITAL PCB

**Proceeding :** CABINET TOP → DIGITAL PCB

(1) Remove the screws.

Shooting direction: A

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



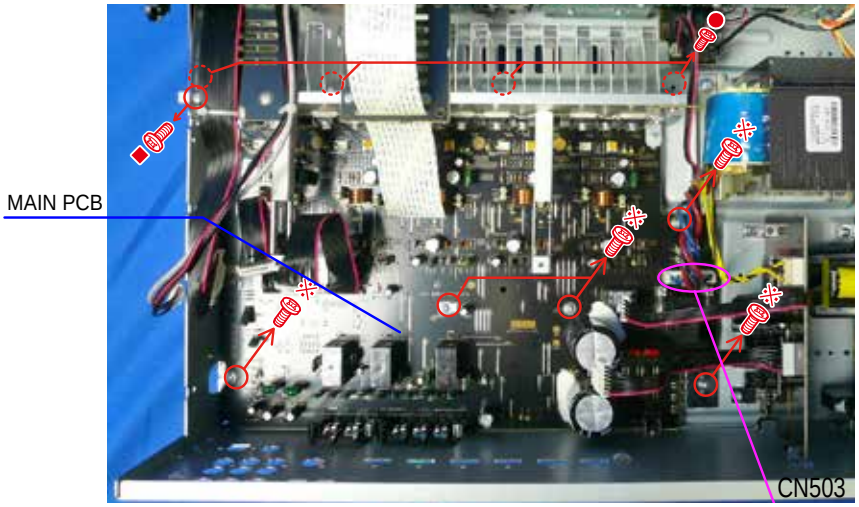
## 3. RADIATOR ASSY

**Proceeding :** TOP COVER → DIGITAL PCB → **RADIATOR ASSY**

(1) Remove the screws.

Shooting direction: A

(2) Remove the screws then disconnect the connector wire.
Remove the RADIATOR ASSY from the CHASSIS BOTTOM.



## 4. SMPS PCB

**Proceeding :** CABINET TOP → **SMPS PCB**

See "EXPLODED VIEW" for the disassembly method of SMPS PCB.

## 5. REGULATOR PCB

**Proceeding :** CABINET TOP → **REGULATOR PCB**

See "EXPLODED VIEW" for the disassembly method of REGULATOR PCB.

## 6. TRANS POWER

**Proceeding :** CABINET TOP → **TRANS POWER**

See "EXPLODED VIEW" for the disassembly method of TRANS POWER.

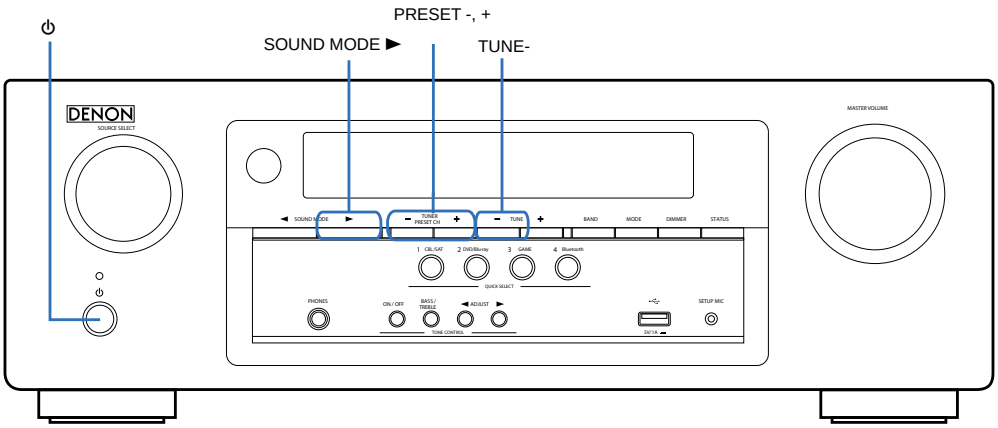
# SPECIAL MODE

## Special mode setting button

※ No. 1, 2 : Hold down buttons A and B at the same time and press the power button (⏻) to turn on the power.
No. 3, 4 : Hold down buttons A, B and C for at least 3 seconds while the power is on.

### AVR-S500BT

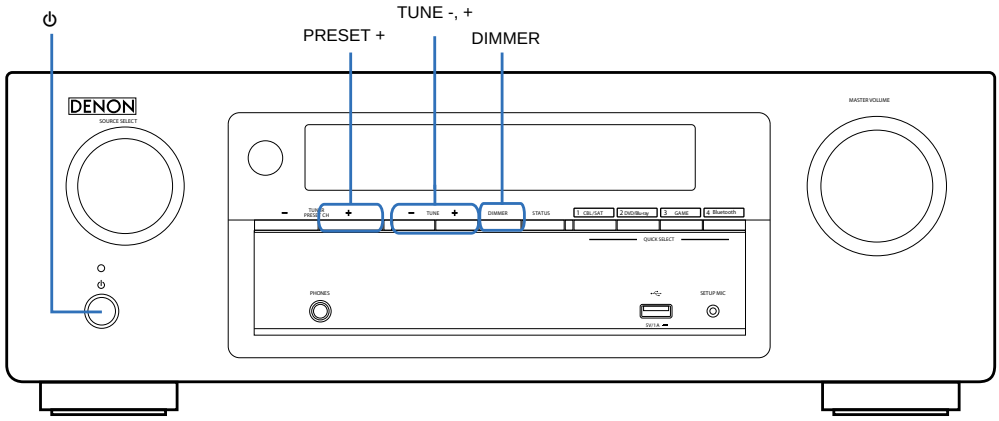
| | Mode | Button A | Button B | Button C | Contents |
|---|---|---|---|---|---|
| 1 | Initialization | SOUND MODE ► | PRESET + | | Backup data initialization is carried out. (See 11 page.) |
| 2 | Version Display | PRESET + | TUNE - | | Firmware versions such as Main, DSP or OSD are displayed in the FL display. Errors are displayed or when they occur. (See 20 page.) |
| 3 | Chang Video Format and Display Languge | PRESET - | PRESET + | TUNE - | |
| 4 | Product Mode | SOUND MODE ► | PRESET - | PRESET + | Select the mode shown below. "Remote Lock", "Tuning Step Change", "OSD Update", "Protection History Display" and "Mic Mode". |



※ No. 1, 2 : Hold down buttons A and B at the same time and press the power button (⏻) to turn on the power.
No. 3, 4 : Hold down buttons A, B and C for at least 3 seconds while the power is on.

## AVR-X510BT

| Mode | | Button A | Button B | Button C | Contents |
|---|---|---|---|---|---|
| 1 | Initialization | PRESET + | TUNE + | | Backup data initialization is carried out. (See 11 page.) |
| 2 | Version Display | TUNE + | DIMMER | | Firmware versions such as Main, DSP or OSD are displayed in the FL display. Errors are displayed or when they occur. (See 20 page.) |
| 3 | Chang Video Format and Display Languge | TUNE - | TUNE + | DIMMER | |
| 4 | Product Mode | PRESET + | TUNE - | TUNE + | Select the mode shown below. "Remote Lock", "Tuning Step Change", "OSD Update", "Protection History Display" and "Mic Mode". |



# 1. Initialization Mode

## 1.1. Operations

Hold down buttons below at the same time and press the power button to turn on the power.

"SOUND MODE ▶", "PRESET +" (AVR-S500BT)

"PRESET +", "TUNE +" (AVR-X510BT)

Release the buttons after confirming that the display flashes in intervals of approximately 1 second.

## 1.2. Actions

Initialize this unit.

Note:Settings for the tuner step are not initialized.

# 2. Version Display Mode

## 2.1. Operations

Hold down buttons below at the same time and press the power button to turn on the power.

"PRESET +", "TUNE -" (AVR-S500BT)

"TUNE +", "DIMMER" (AVR-X510BT)

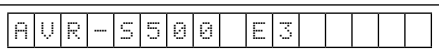
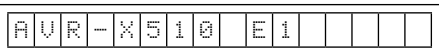
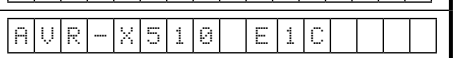
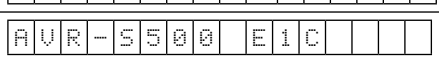
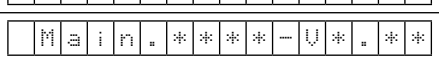
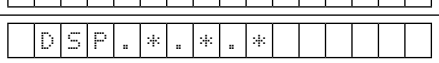
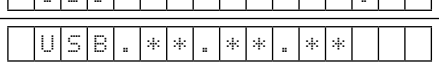
Press the button "STATUS" to display the versions.

## 2.2. Actions

Press the "STATUS" button to display the versions in the following order.

Error information(See 2.4. Error display) →① Model destination information → ② Main-µcom version → ③ Main IAP → ④ DSP version → ⑤ OSD version → ⑥ USB version → Nomal display

When an error has occurred in this unit, the error information is displayed initially when entering this mode. (5 seconds)

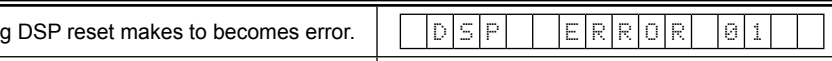
| Display | | | State |
|---|---|---|---|
| ① Model destination information | | | |
| | AVR-S500BT | E3 model |  |
| | AVR-X510BT | E1 model |  |
| | AVR-X510BT | E1C model |  |
| | AVR-S500BT | E1C model |  |
| ② Main-µcom version | | |  |
| ③ Main IAP | | | |
| ④ DSP version | | |  |
| ⑤ OSD version | | | |
| ⑥ USB version | | |  |

## 2.3. Canceling the mode:

Press the ⏻ button to turn the power off.

## 2.4. Error display

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

| Condition | - | State |
|---|---|---|
| DSP NG | When DSP boot, executing DSP reset makes to becomes error. |  |
| DSP OK | | (No error display, version display only) |

# 3. Change Video Format and Display Language Mode

## 3.1. Operations

Hold down buttons below for at least 3 seconds while the power is on.

"PRESET -", "PRESET +", "TUNE -" (AVR-S500BT)

"TUNE -", "TUNE +", "DIMMER" (AVR-X510BT)

Note: Do not start in this mode when displaying the OSD MENU using the MENU button.

## 3.2. Actions

This unit is in VIDEO Format at startup.

Press the button below to switch between Video Format and Display Language.

"TUNE +" AVR-S500BT

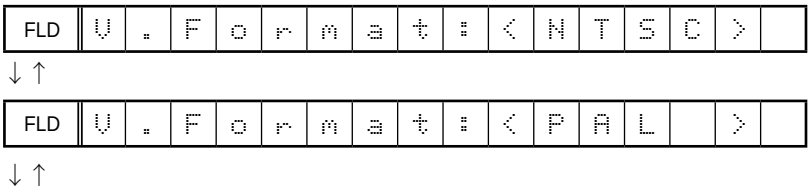
"STATUS" AVR-X510BT

### 3.2.1. Video Format

Press the button below to switch between NTSC and PAL.

"PRESET +" or "TUNE -" AVR-S500BT

"PRESET +" or "DIMMER" AVR-X510BT




Return to top.

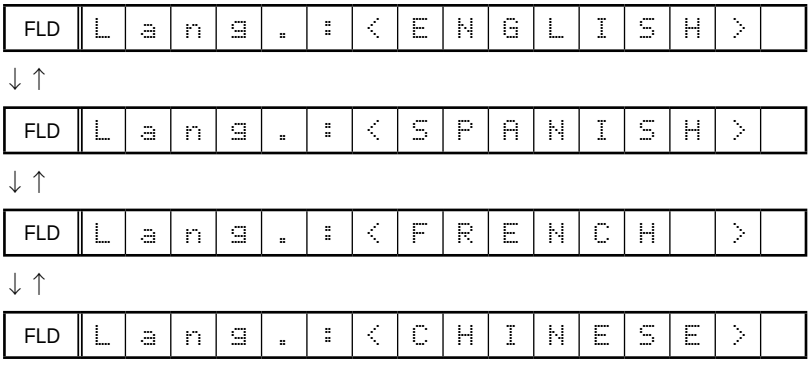
Press the "Preset -" button to set format. The display then return to the normal mode.

### 3.2.1.Language

Press the button below to switch display language.

"PRESET +" or "TUNE -" AVR-S500BT

"PRESET +" or "DIMMER" AVR-X510BT




Return to top.

Press the "Preset -" button to set display language. The display then return to the normal mode.

# 4. Product Mode

Select "Remote Lock", "Tuner Step", "OSD update", "Protection History Display" or "Mic Mode" .

## 4.1. Operations

Hold down buttons below for at least 3 seconds while the power is on.

"SOUND MODE▶", "PRESET -", "PRESET +" (AVR-S500BT)

"PRESET +", "TUNE -", "TUNE +" (AVR-X510BT)

Each mode shown on the display changes each time the button below is pressed.

"TUNE +" (AVR-S500BT)

"STATUS" (AVR-X510BT)

Press the buttons below to switch the display "On"/"Off".

"PRESET +", "TUNE -" (AVR-S500BT)

"PRESET +", "DIMMER" (AVR-X510BT)

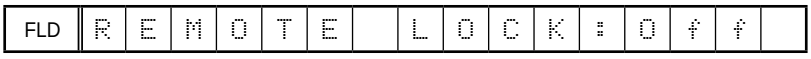
Press the button below to set the displayed "On"/"Off".

"PRESET -" (AVR-S500BT)

"TUNE -" (AVR-X510BT)

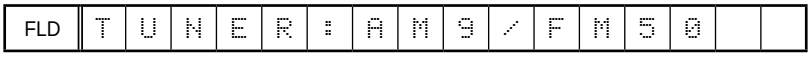
## 4.2. Displaying and Selecting Each Mode

**Remote Lock Mode**



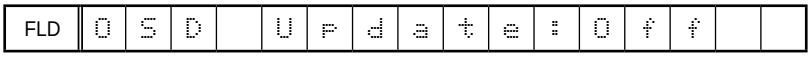

Press the "TUNE +"(AVR-S500BT) button.
Press the "STATUS"(AVR-X510BT) button.

**Tuner Step Change Mode**



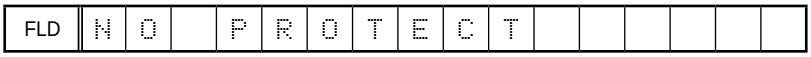

Press the "TUNE +"(AVR-S500BT) button.
Press the "STATUS"(AVR-X510BT) button.

**OSD Update Mode**



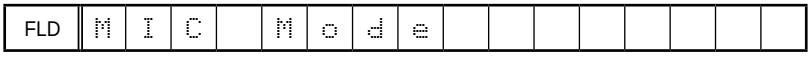

Press the "TUNE +"(AVR-S500BT) button.
Press the "STATUS"(AVR-X510BT) button.

**Protection History Display Mode**




Press the "TUNE +"(AVR-S500BT) button.
Press the "STATUS"(AVR-X510BT) button.

**Mic Mode**




Press the "TUNE +"(AVR-S500BT) button.
Press the "STATUS"(AVR-X510BT) button.

Return to top.

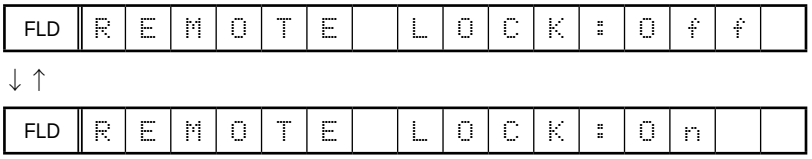
## 4.3. Canceling Each Mode

See the actions of each mode.

### 4.4.1. Remote Lock Mode

To enter the Product Mode, to display the Remote Lock Mode.
Press the button below to switch between On and Off.

"PRESET +" / "TUNE -" (AVR-S500BT)
"PRESET +" / "DIMMER" (AVR-X510BT)



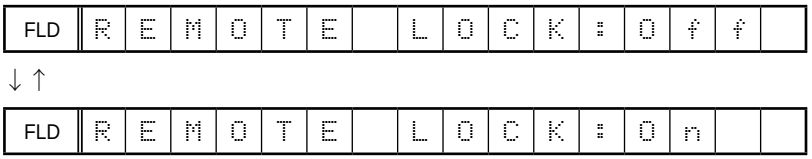

Press the button below to set On/Off. The display then return to the normal mode.

"PRESET -" (AVR-S500BT)
"TUNE -" (AVR-X510BT)

### 4.4.2. Tuner Step Change Mode

To enter the Product Mode, to display the Tuner Step Change mode.
Press the button below to switch between AM9/FM50 and AM10/FM200.

"PRESET +" / "TUNE -" (AVR-S500BT)
"PRESET +" / "DIMMER" (AVR-X510BT)




Press the button below to set On/Off. The display then return to the normal mode.

"PRESET -" (AVR-S500BT)
"TUNE -" (AVR-X510BT)

To operate this unit in the set step, either remove the power plug from the power outlet or press the power button to turn off the power, and then turn the power on again.
*The initialization will not initialize the tuner step frequency.

### 4.4.3. OSD Update Mode

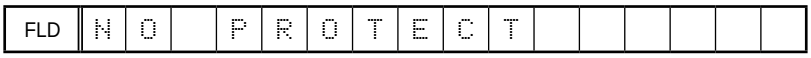
**Not for service. Do not operate.**

**Cancellation of the mode**
Disconnect the AC plug of this unit to turn the power off.

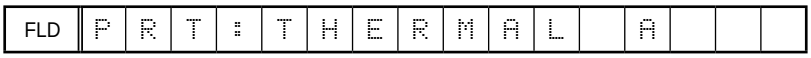
### 4.4.4. Protection History Display Mode

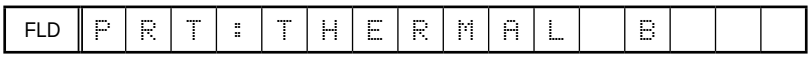
To enter the Product Mode, to display the Protection History Display Mode.

(1) If no protections have occurred.




(2) For THERMAL (when the last protection incident was THERMAL(A) or THERMAL(B) protection)



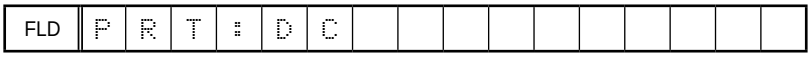

**Cause:** The temperature of the heat sink is excessive.

If the power is turned on without correcting the abnormality, the protection function will work about 4 minutes later and the power supply will be shut off.

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

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

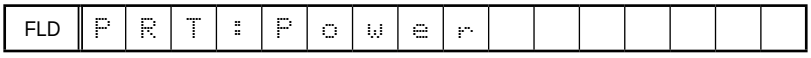
(4) For DC (when the last protection incident was DC protection)




**Cause:** DC output of the power amplifier is abnormal.

If the power is turned on without correcting the abnormality, the protection function will work about 6 seconds later and the power supply will be shut off.

(5) For Power(when the last protection incident was Power protection)




**Cause:** The Power Supply(±12V) is abnormal.

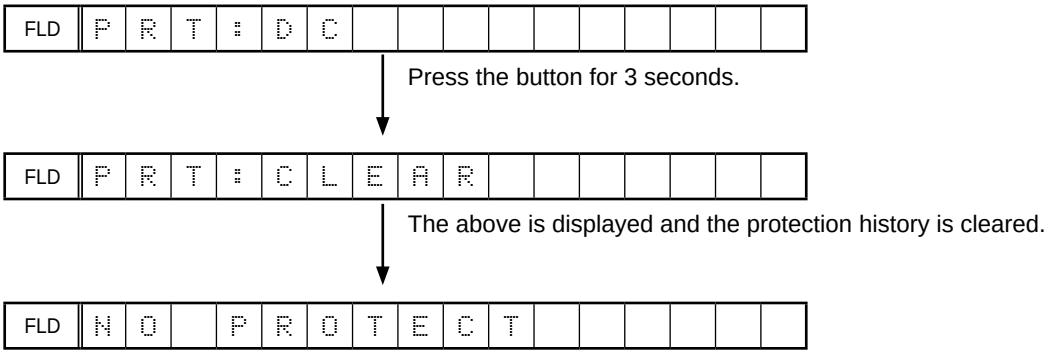
※ Additional causes of protection can be due to loose connections, associated components, Microprocessor, etc.

Press the button below to set On/Off. The display then return to the normal mode.
"PRESET -" (AVR-S500BT)
"TUNE -" (AVR-X510BT)

### Clearing the protection history

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

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




(2) Initialize. ( 20 page.)

### 4.4.5. Mic Mode

**Not for service. Do not operate.**
**Cancellation of the mode**
Press the power button to turn off the power or disconnect the AC plug of this unit to turn the power off.

# PROCEDURE AFTER REPLACING THE MICROPROCESSOR, ETC

The procedure after replacing the u-COM (Microprocessor), flash ROM, etc. is as follows.

| PCB Name | Ref. No. | Description | After replaced | Remark |
|---|---|---|---|---|
| Digital | IC711 | STM32F101ZG | **B** | SOFTWARE: Main |
| Digital | IC722 | MX25L3206EM2I-12G | **B** | SOFTWARE: GUI ROM |
| Digital | IC742 | MX25L8006EM2I-12G | **B** | SOFTWARE: DSP ROM |

After replacing

**A** : The software has been written. The software is not written at the time of replacement.

**B** : The software has been written. The software may need to be rewritten by version updates. Check the version.

**C** : The software has not been written. The software needs to be written after replacement. See “Firmware Update Procedure” for information on writing the software.

**D** : The software has been written. Be sure to rewrite with the latest software for your service region. See “Firmware Update Procedure” for information on writing the software.

## Firmware Update Procedure

## 1. Updating by USB

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

### 1.1. Connecting to the USB Memory

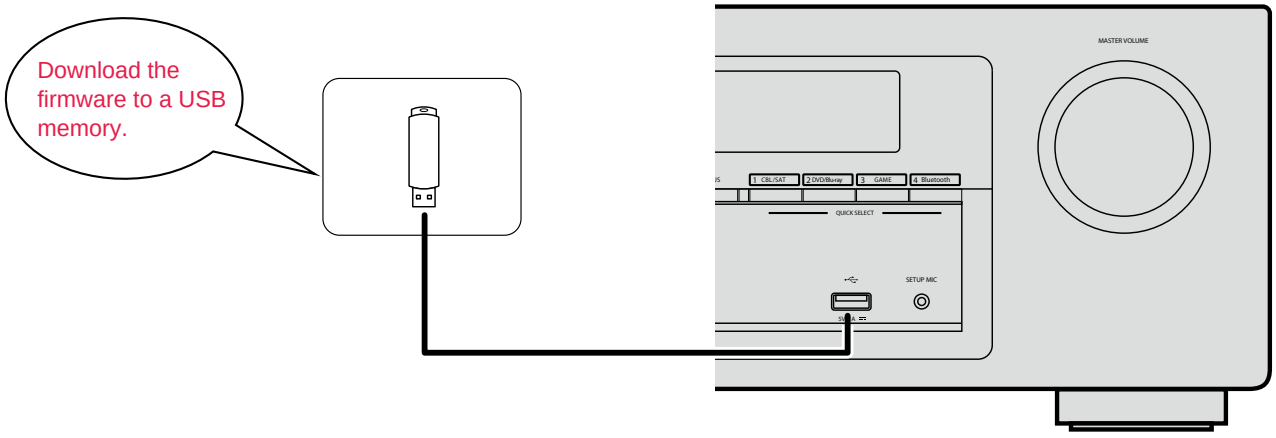
(1) Prepared

- USB format: Prepare a USB memory formatted in FAT16 or FAT32.
- Do not run the USB memory through a hub.
- Do not connect a computer to the USB port of this unit using a USB cable.
- Do not use an extension cable when connecting the USB memory.

### 1.2. Unzip Download File

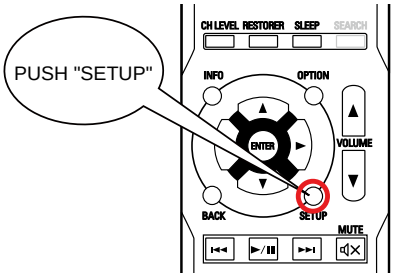
Unzip the downloaded file on your computer.
You can find "S500BT_USB_V**_**.fw" fole after unzipped. Copy that file to USB flash drive.
You have to put "S500BT_USB_V**_**.fw" file on root directly on USB flash drive(memory).

### 1.3. Insert the USB memory device in the USB port

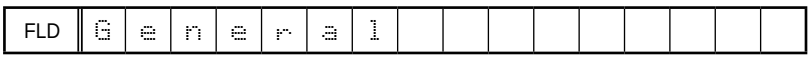


## 1.5. Start the update

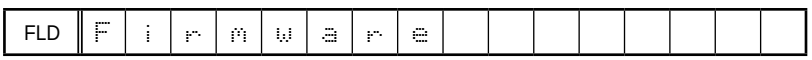
Turn on the power of this unit. Then, push "SETUP" and select.



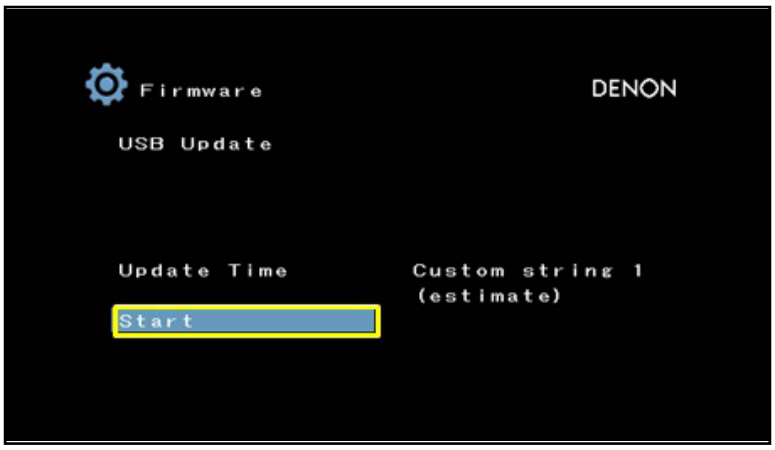

(1) Select "General"



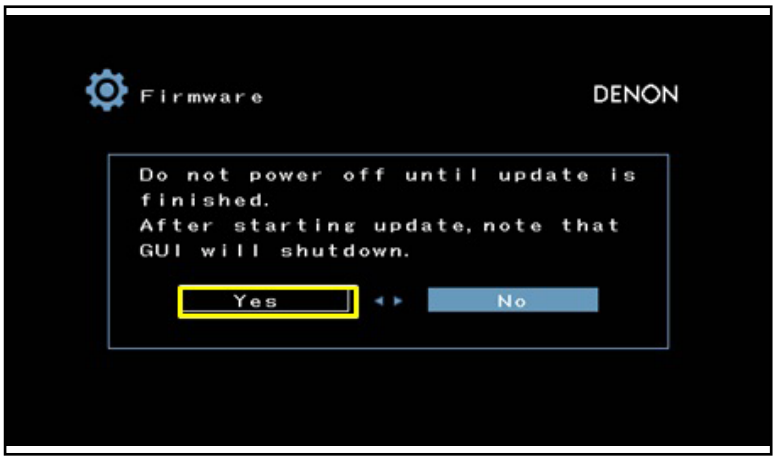

(2) Select "Firmware"

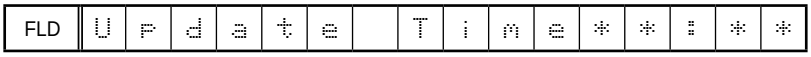


(3) Push "ENTER"



(4) Select "Yes", then, Push "ENTER"



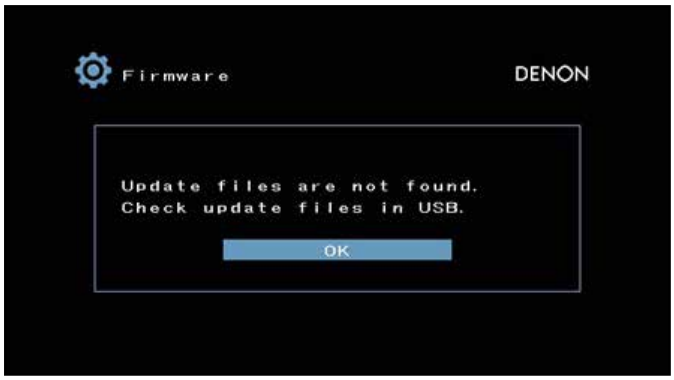



--- Precautions for Updates ---

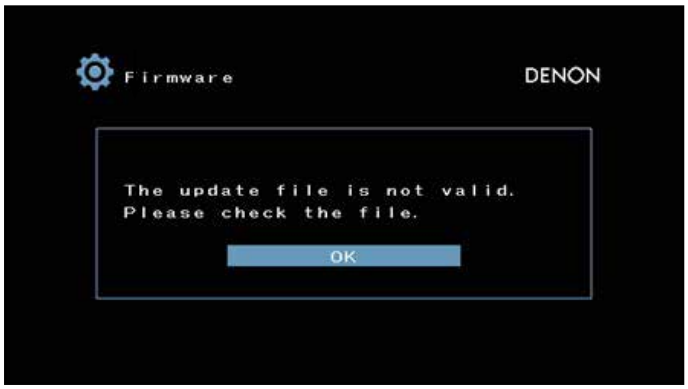
- Never remove the USB memory before the update is finished.
- Never turn off the power before an update is completed.
- It takes around about 35 minutes to complete the update even with a broadband connection.
  Once an update is started, normal operations cannot be performed until it is completed.
  The GUI menu settings and image adjustment settings of this unit may be initialized.
  Take note of your settings beforehand and reconfigure them after the update.

## 1.6. About the error code

No FirmwareFile in USB.




FirmwareFile in USB for unsupported Model name/area



# ADJUSTMENT

## Audio Section

### Adjusting Idling Current

Required measurement equipment: DC Voltmeter

### 1. Preparation

(1) Avoid direct blow from an air conditioner or an electric fan and humidity should be moderate, and place the set at normal usage environment.
Temperature should be at 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 the top cover and set VR510(FL), VR550(FR), VR530(C), VR520(SL), VR540(SR), on MAIN PCB at fully counterclockwise (↺) position.

(2) Connect DC Voltmeter to test points (FRONT-Lch: CN510, FRONT-Rch: CN550, CENTER ch: CN530, SURROUND-Lch: CN520, SURROUND-Rch: CN540).

(3) Connect the power cord to AC Line, and set the power switch to "ON".

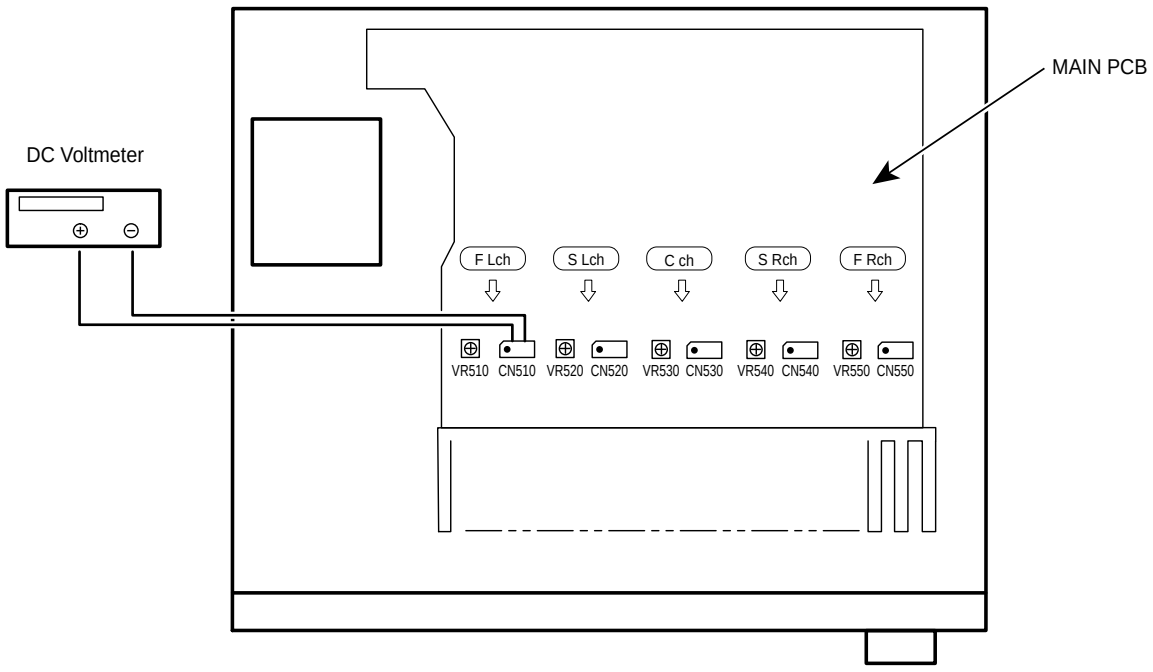
(4) Presetting.

MASTER VOLUME : ↺ minimum
SPEAKER (Speaker terminal) : No load
(Do not connect speaker, dummy resistor, etc.)
MODE : MCH STEREO
FUNCTION : CBL/SAT

(5) Within 2 minutes after the power on, turn VR510 clockwise (↻) to adjust the TEST POINT voltage at 1.5mV ± 0.5mV DC.

(6) After 10 minutes from the preset above, turn VR510 to set the voltage to 2.0mV ± 0.5mV DC.

(7) Adjust the Variable Resistors of each channel(VR520-VR550) in the same way.



# SURROUND MODES AND PARAMETERS

## Sound modes and channel output

○This indicates the audio output channels or surround parameters that can be set.
◎ This indicates the audio output channels. The output channels depend on the settings of “Speaker Config.”. (☞ p. 82)

| Sound mode (☞ p. 55) | Channel output | | | |
|---|---|---|---|---|
| | Front L/R | Center | Surround L/R | Subwoofer |
| Direct (2-channel) | ○ | | | ◎ * |
| Direct (Multi-channel) | ○ | ◎ | ◎ | ◎ |
| Stereo | ○ | | | ◎ |
| Multi Ch In | ○ | ◎ | ◎ | ◎ |
| Dolby Pro Logic II | ○ | ◎ | ◎ | ◎ |
| DTS Neo:6 | ○ | ◎ | ◎ | ◎ |
| Dolby Digital | ○ | ◎ | ◎ | ◎ |
| Dolby Digital Plus | ○ | ◎ | ◎ | ◎ |
| Dolby TrueHD | ○ | ◎ | ◎ | ◎ |
| DTS Surround | ○ | ◎ | ◎ | ◎ |
| DTS 96/24 | ○ | ◎ | ◎ | ◎ |
| DTS-HD | ○ | ◎ | ◎ | ◎ |
| DTS Express | ○ | ◎ | ◎ | ◎ |
| Multi Ch Stereo | ○ | ◎ | ◎ | ◎ |
| Virtual | ○ | | | ◎ |

* Audio is output when “Subwoofer Mode” in the menu is set to “LFE+Main”. (☞ p. 85)

## Sound modes and surround parameters

| Sound mode (☞ p. 55) | Surr.Parameter (☞ p. 67) | | | | | | | | Tone (☞ p. 52) | Restorer*3 (☞ p. 70) |
|---|---|---|---|---|---|---|---|---|---|---|
| | Mode (☞ p. 67) | Dynamic Comp.*1 (☞ p. 68) | Low Frequency*2 (☞ p. 68) | Subwoofer (☞ p. 70) | Pro Logic II Music mode only | | | Neo: 6 Music mode only | | |
| | | | | | Panorama (☞ p. 69) | Dimension (☞ p. 69) | Center Width (☞ p. 69) | Center Image (☞ p. 68) | | |
| Direct (2-channel) | | ○ | | | | | | | | |
| Direct (Multi-channel) | | ○ | ○ | | | | | | | |
| Stereo | | ○ | ○ | | | | | | ○ | ○ |
| Multi Ch In | | | ○ | | | | | | ○ | |
| Dolby Pro Logic II | ○ | ○ | | | ○ | ○ | ○ | | ○ | ○ |
| DTS Neo:6 | ○ | ○ | | | | | | ○ | ○ | ○ |
| Dolby Digital | | ○ | ○ | | | | | | ○ | |
| Dolby Digital Plus | | ○ | ○ | | | | | | ○ | |
| Dolby TrueHD | | ○ | ○ | | | | | | | |
| DTS Surround | | ○ | ○ | | | | | | ○ | |
| DTS 96/24 | | ○ | ○ | | | | | | ○ | |
| DTS-HD | | ○ | ○ | | | | | | | |
| DTS Express | | ○ | ○ | | | | | | ○ | |
| Multi Ch Stereo | | ○ | ○ | | | | | | ○ | ○ |
| Virtual | | ○ | ○ | | | | | | ○ | ○ |

*1 This item can be selected when Dolby Digital or DTS signal is played.
*2 This item can be selected when Dolby Digital or DTS signal or DVD-Audio is played.
*3 This item can be set when the input signal is analog, PCM 48 kHz or 44.1 kHz.
*4 This setting is available when “Subwoofer Mode” in the menu is set to “LFE+Main”. (☞ p. 85)

# Types of input signals, and corresponding sound modes

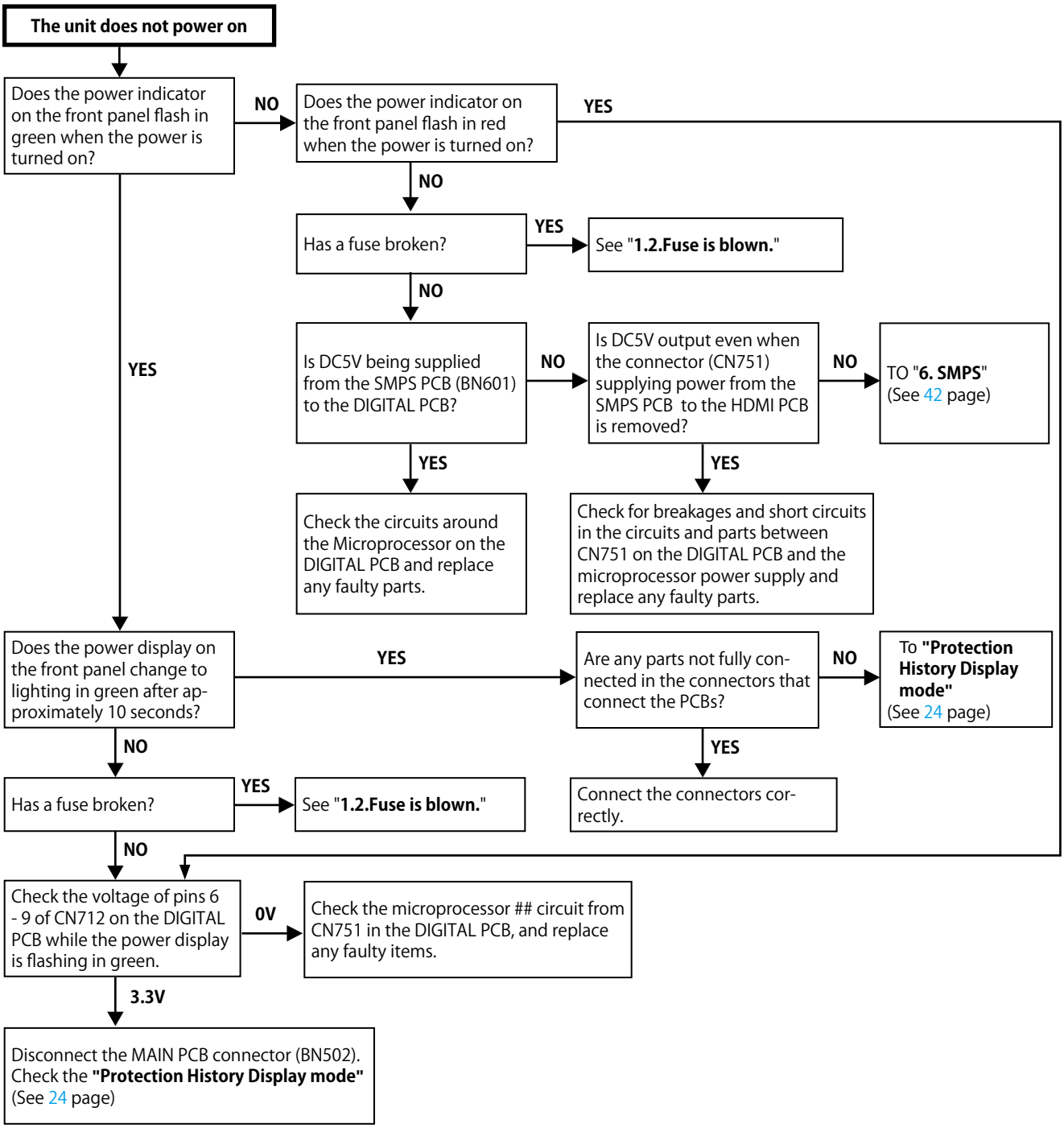
● This indicates the default sound mode.
○ This indicates the selectable sound mode.

| Sound mode (☞ p. 55) | | Type and format of input signals | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ANALOG | PCM | | DTS-HD | | DTS | | | Dolby | | Dolby Digital | |
| | | | PCM (Multi-channel) | PCM (2-channel) | DTS-HD Master Audio | DTS-HD High Resolution Audio | DTS Express | DTS (5.1-channel) | DTS 96/24 | Dolby TrueHD | Dolby Digital Plus | Dolby Digital (5.1-channel) | Dolby Digital (2-channel) |
| DTS Surround | | | | | | | | | | | | | |
| | DTS-HD Mstr | | | | ● | | | | | | | | |
| | DTS-HD Hi Res | | | | | ● | | | | | | | |
| | DTS Surround | | | | | | | ● | | | | | |
| | DTS 96/24 | | | | | | | | ● | | | | |
| | DTS Express | | | | | | ● | | | | | | |
| | DTS Neo:6 Cinema | ○ | | ○ | | | | | | | | | ○ |
| | DTS Neo:6 Music | ○ | | ○ | | | | | | | | | ○ |
| Dolby Surround | | | | | | | | | | | | | |
| | Dolby TrueHD | | | | | | | | | ● | | | |
| | Dolby Digital+ | | | | | | | | | | ● | | |
| | Dolby Digital | | | | | | | | | | | ● | |
| | Dolby Pro Logic II Cinema | ○ | | ○ | | | | | | | | | ○ |
| | Dolby Pro Logic II Music | ○ | | ○ | | | | | | | | | ○ |
| | Dolby Pro Logic II Game | ○ | | ○ | | | | | | | | | ○ |
| | Dolby Pro Logic | ○ | | ○ | | | | | | | | | ○ |
| Multi Ch In | | | | | | | | | | | | | |
| | Multi Ch In | | ● | | | | | | | | | | |
| Direct | | | | | | | | | | | | | |
| | Direct | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Original sound mode | | | | | | | | | | | | | |
| | Multi Ch Stereo | ○ | ○ | ○ | | | | ○ | ○ | | | ○ | ○ |
| | Virtual | ○ | ○ | ○ | | | | ○ | ○ | | | ○ | ○ |
| Stereo | | | | | | | | | | | | | |
| | Stereo | ● | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

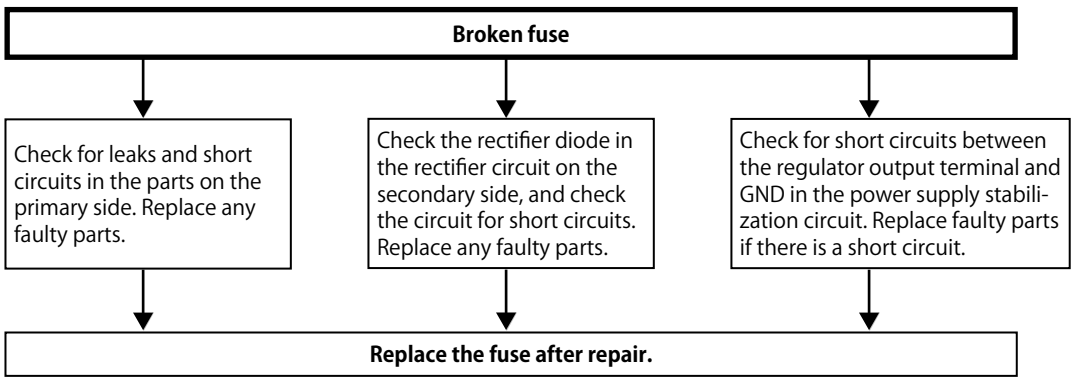
# TROUBLE SHOOTING

## 1. POWER

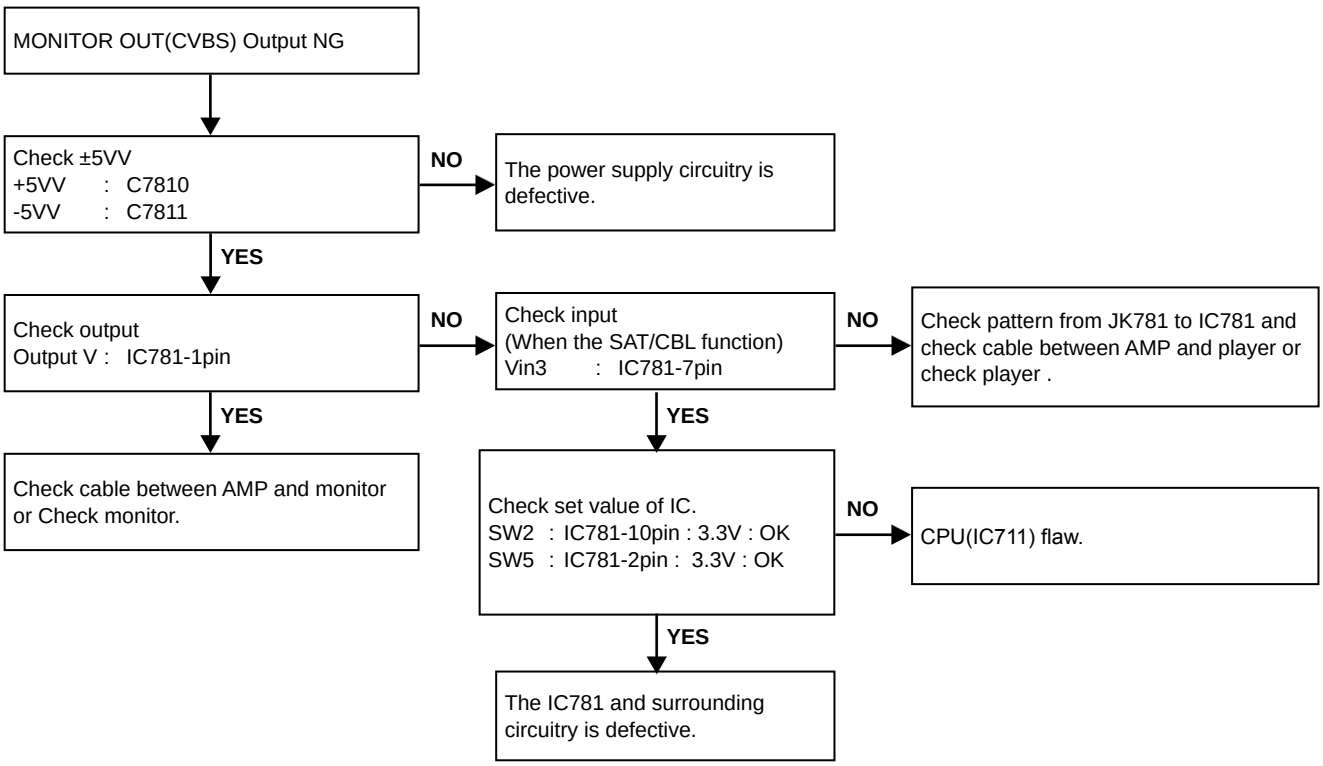
### 1.1. The unit does not power on



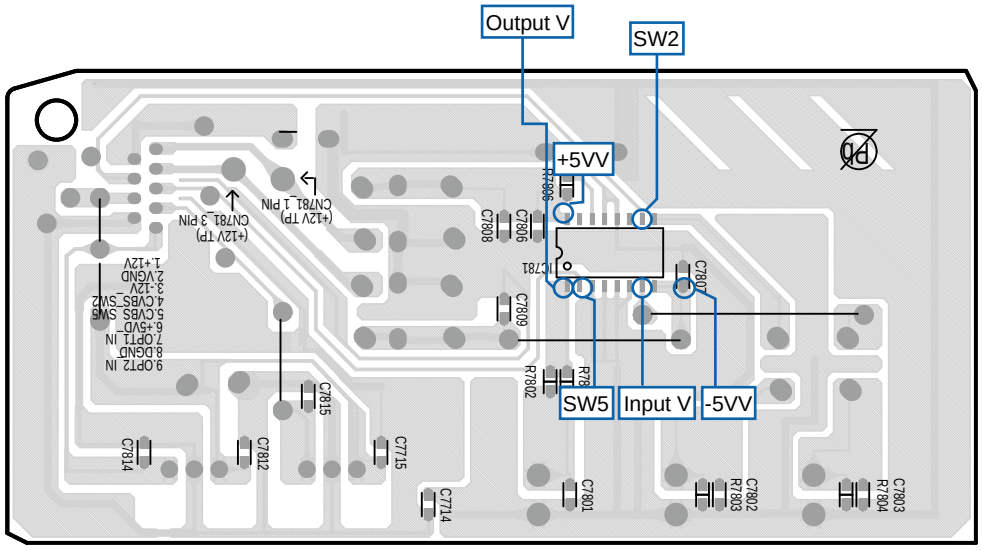

### 1.2. Fuse is blown



## 2. Analog video



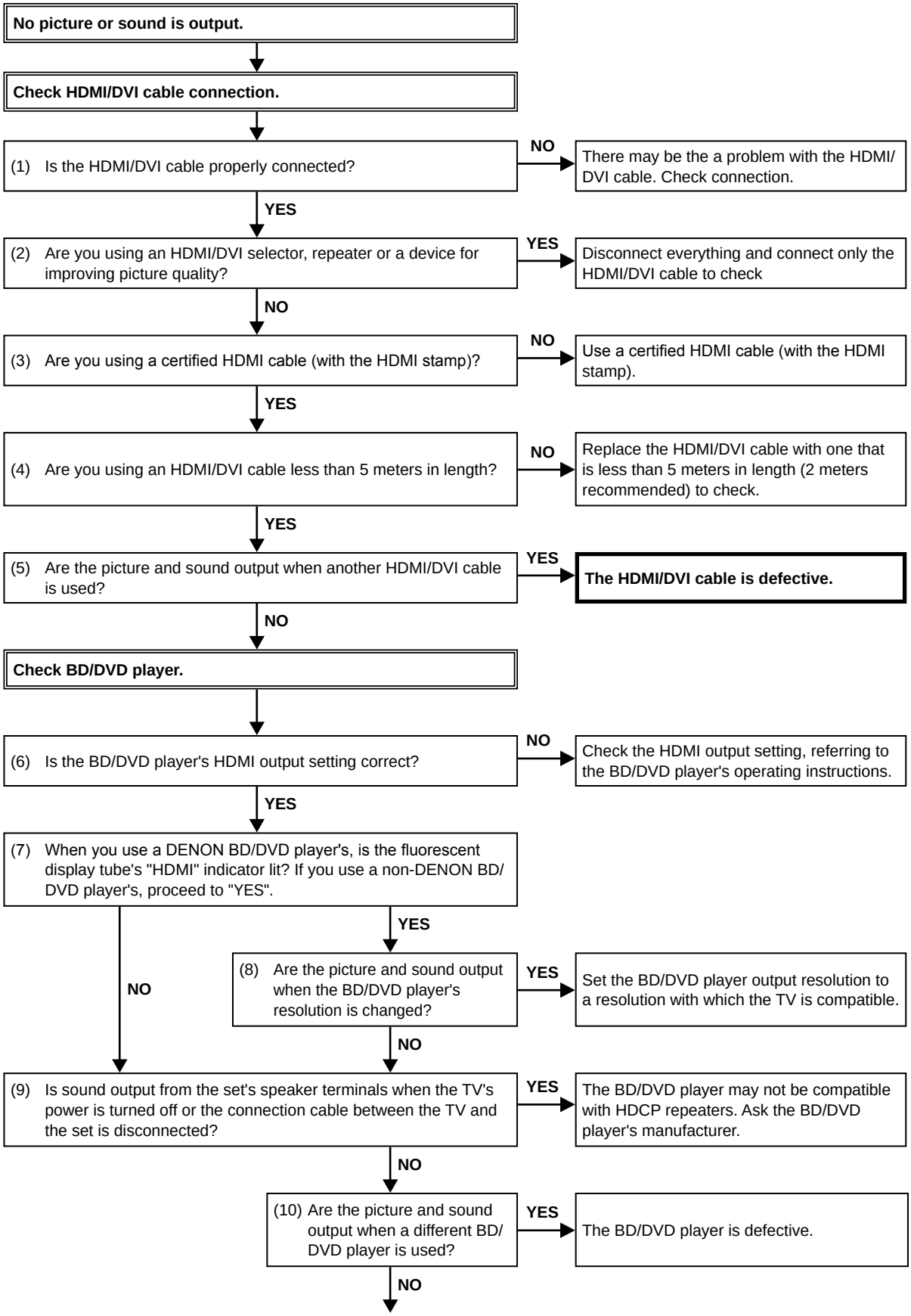

### VIDEO test point

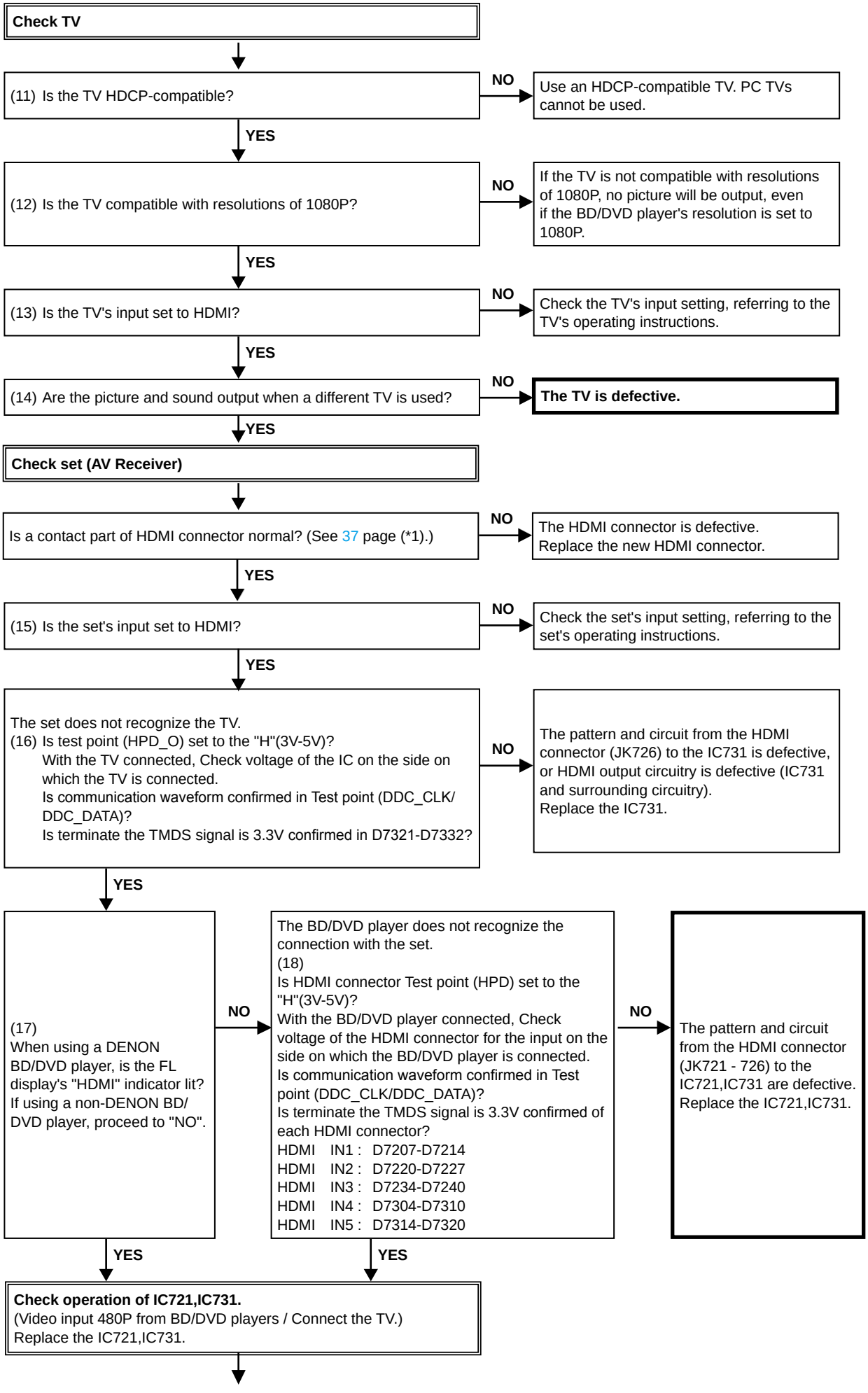



VIDEO PCB (B SIDE)

# 3. HDMI/DVI

## 3.1. No picture or sound is output




Check TV
(11) Is the TV HDCP-compatible?
NO
Use an HDCP-compatible TV. PC TVs cannot be used.
YES
(12) Is the TV compatible with resolutions of 1080P?
NO
If the TV is not compatible with resolutions of 1080P, no picture will be output, even if the BD/DVD player's resolution is set to 1080P.
YES
(13) Is the TV's input set to HDMI?
NO
Check the TV's input setting, referring to the TV's operating instructions.
YES
(14) Are the picture and sound output when a different TV is used?
NO
The TV is defective.
YES
Check set (AV Receiver)
Is a contact part of HDMI connector normal? (See 37 page (*1).)
NO
The HDMI connector is defective. Replace the new HDMI connector.
YES
(15) Is the set's input set to HDMI?
NO
Check the set's input setting, referring to the set's operating instructions.
YES
The set does not recognize the TV.
(16) Is test point (HPD_O) set to the "H"(3V-5V)?
With the TV connected, Check voltage of the IC on the side on which the TV is connected.
Is communication waveform confirmed in Test point (DDC_CLK/DDC_DATA)?
Is terminate the TMDS signal is 3.3V confirmed in D7321-D7332?
NO
The pattern and circuit from the HDMI connector (JK726) to the IC731 is defective, or HDMI output circuitry is defective (IC731 and surrounding circuitry).
Replace the IC731.
YES
(17)
When using a DENON BD/DVD player, is the FL display's "HDMI" indicator lit?
If using a non-DENON BD/DVD player, proceed to "NO".
NO
The BD/DVD player does not recognize the connection with the set.
(18)
Is HDMI connector Test point (HPD) set to the "H"(3V-5V)?
With the BD/DVD player connected, Check voltage of the HDMI connector for the input on the side on which the BD/DVD player is connected.
Is communication waveform confirmed in Test point (DDC_CLK/DDC_DATA)?
Is terminate the TMDS signal is 3.3V confirmed of each HDMI connector?
HDMI IN1 : D7207-D7214
HDMI IN2 : D7220-D7227
HDMI IN3 : D7234-D7240
HDMI IN4 : D7304-D7310
HDMI IN5 : D7314-D7320
NO
The pattern and circuit from the HDMI connector (JK721 - 726) to the IC721,IC731 are defective.
Replace the IC721,IC731.
YES
YES
Check operation of IC721,IC731.
(Video input 480P from BD/DVD players / Connect the TV.)
Replace the IC721,IC731.

(19) Check power supply.
①Are 1.8V or 3.3V supplied to IC721 (each power supply pin)?
②Are 1.1V or 3.3V supplied to IC731 (each power supply pin)?

NO → The power supply circuitry is defective.

YES ↓

(20) Check xtal oscillator.
①Is there 28.6363MHz oscillation of X721?
②Is there 27MHz oscillation of X731?

NO → ①The X721 or IC721 is defective.
②The X731 or IC731 is defective.
Replace the new parts.

YES ↓

(21) Check RESET.
①Is RESET waveform confirmed at IC721 (97pin)? (If reference waveform, proceed to "YES".)
②Is RESET waveform confirmed at IC731 (114pin)? (If reference waveform, proceed to "YES".)

NO → The RESET pattern or IC721/IC731 is defective.
Replace the new parts.

YES ↓

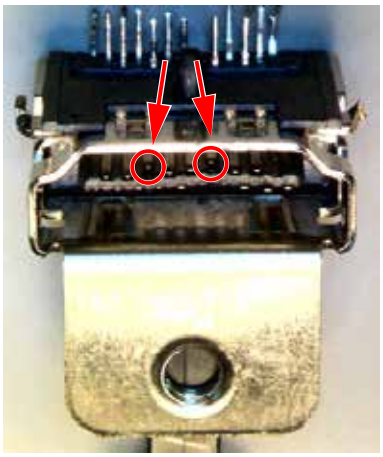
(22) Check control signal(I2C).
Is waveform confirmed at Test point (SDA/SCL). (If not continued to " L", proceed to "YES".)

NO → The SDATA/SCL line pattern is defective.

YES ↓

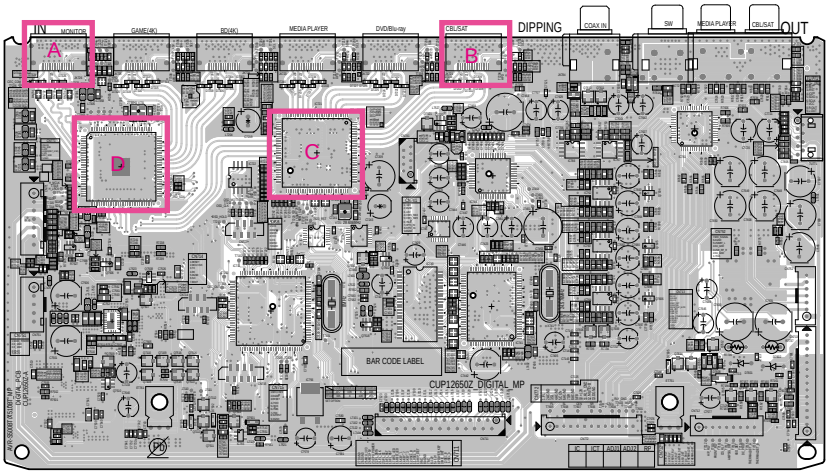
HDMI output circuitry is defective (IC721/IC731 and surrounding circuitry).
Replace the IC721/IC731.

(*1) Abnormal sample of HDMI connector : The internal terminal has bent.



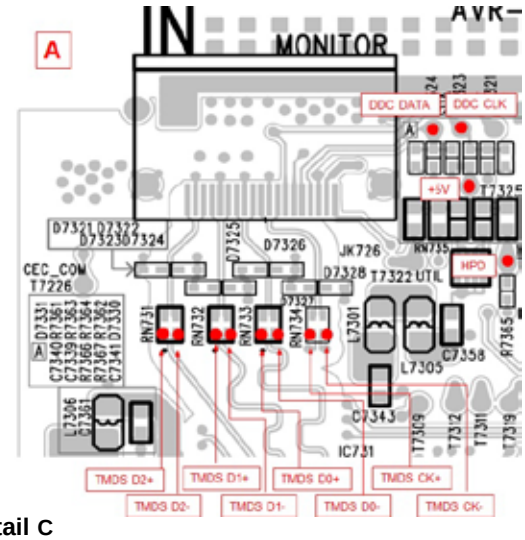
## 3.2. HDMI test point and waveforms

### HDMI test point and waveforms

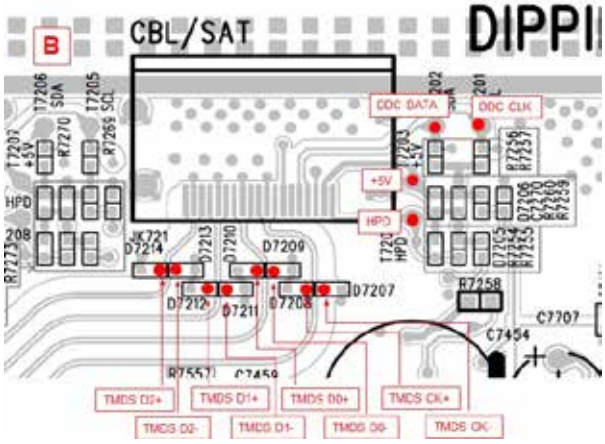



DIGITAL (COMPONENT SIDE)

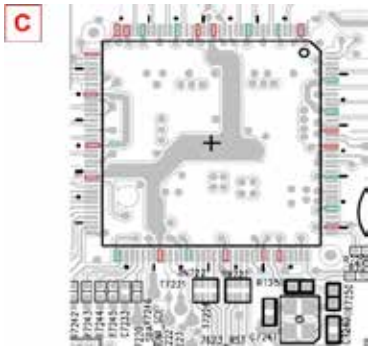
**Detail A**




**Detail B**



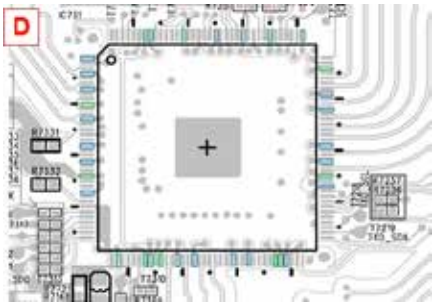

**Detail C**




[ ]:B
[ ]:A

| | |
|---|---|
| A: 1.8V | 2,18,21,34,36,37,45,55,61,81,93,100,103,110,126,129 pin |
| B: 3.3V | 6,12,25,31,73,86,114,120,133,139 pin |

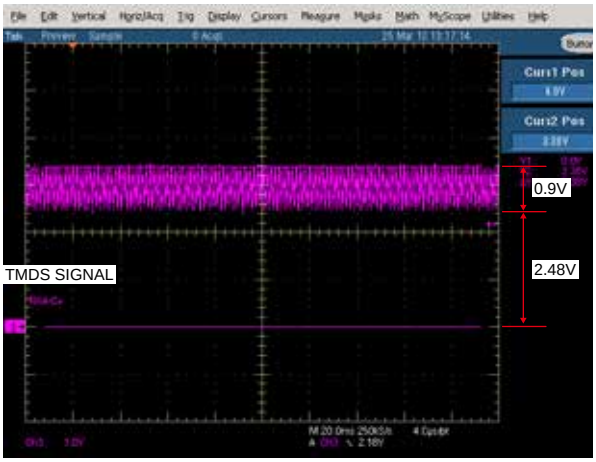
**Detail D**

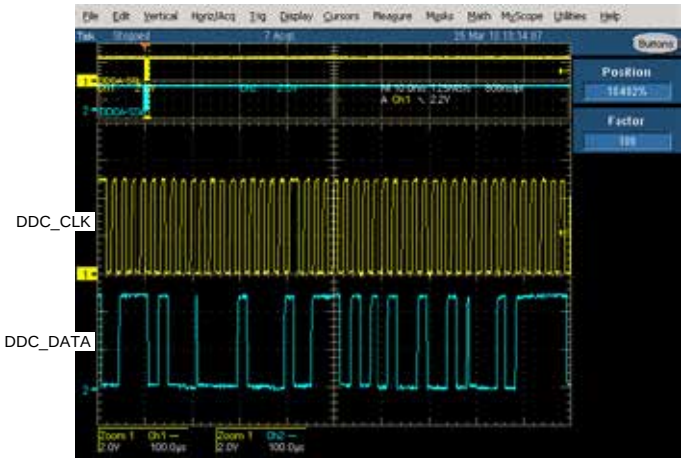



[ ]:B
[ ]:A

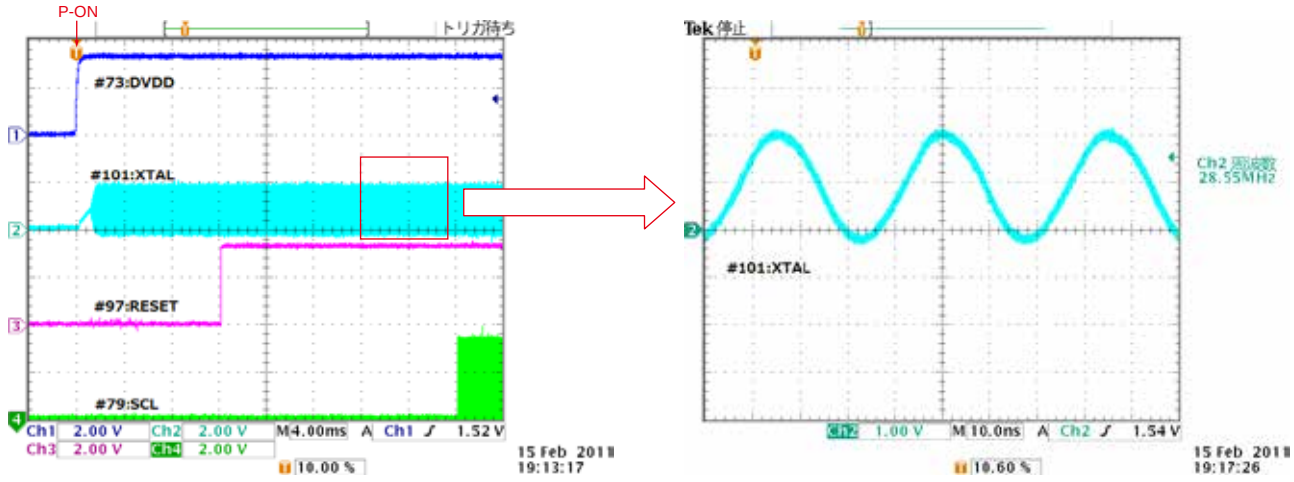
| | |
|---|---|
| A: 1.1V | 1, 4, 7, 13, 18, 21, 27, 49, 52, 59, 62, 69, 83, 88, 91, 98, 101, 109, 120, 125, 137 pin |
| B: 3.3V | 10, 24, 38, 43, 44, 46, 67, 68, 85, 106, 115, 131, 138 pin |

DDC_CLK/DDC_DATA/TMDS : Check items (16),(18)

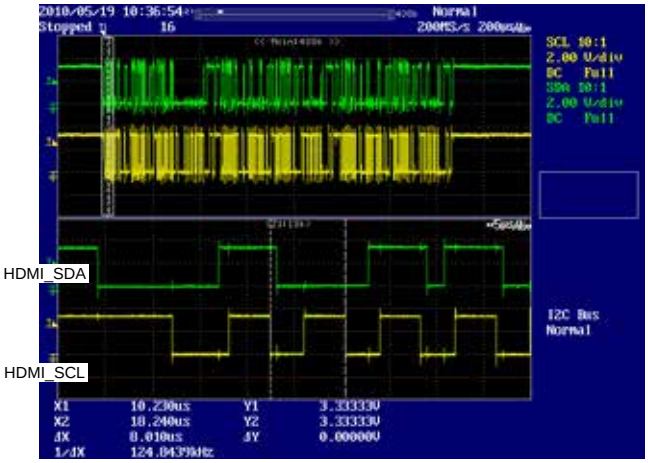



DVDD/XTAL/RESET/SCL : Check items (19),(20),(21)




HDMI_SDA/SCL(I2C) : Check item (22)



# 4. AUDIO

## 4.1. AUDIO CHECK

AUDIO OUTPUT : NG

| | | | | |
|---|---|---|---|---|
| CHECK1 | INPUT | SURROND MODE | SOURCE | NG → Check ANALOG AUDIO BLOCK. |
| | ANALOG 2CH | DIRECT | ANALOG | |

OK

| | | | | |
|---|---|---|---|---|
| CHECK2 | INPUT | SURROND MODE | SOURCE | NG → Check Digital AUDIO BLOCK. |
| | COAX or OPT | --- | Legacy(PCM or DolbyDigital or dts…) | |

OK

| | | | | |
|---|---|---|---|---|
| CHECK3 | INPUT | SURROND MODE | SOURCE | NG → Check via AD. |
| | ANALOG 2CH | MULTI CH STEREO | ANALOG | |

OK

| | | | | |
|---|---|---|---|---|
| CHECK4 | INPUT | SURROND MODE | SOURCE | NG → Check HDMI BLOCK. |
| | HDMI | --- | Legacy(PCM2ch or DolbyDigital or dts…) | |

OK

| | | | |
|---|---|---|---|
| CHECK5 | INPUT | SURROND MODE | SOURCE |
| | HDMI | --- | HD AUDIO<br>(PCM MULTI or DolbyTrueHD or dtsHD MA) |

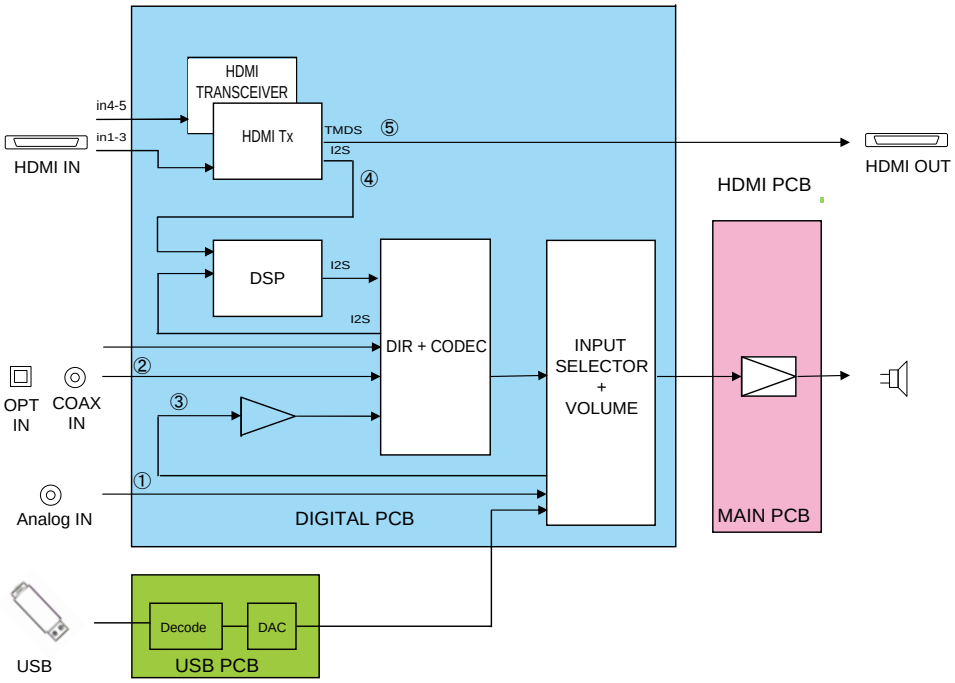
**OK** (Digital Audio BOLCK is OK) → Check other factors.

**NG** →

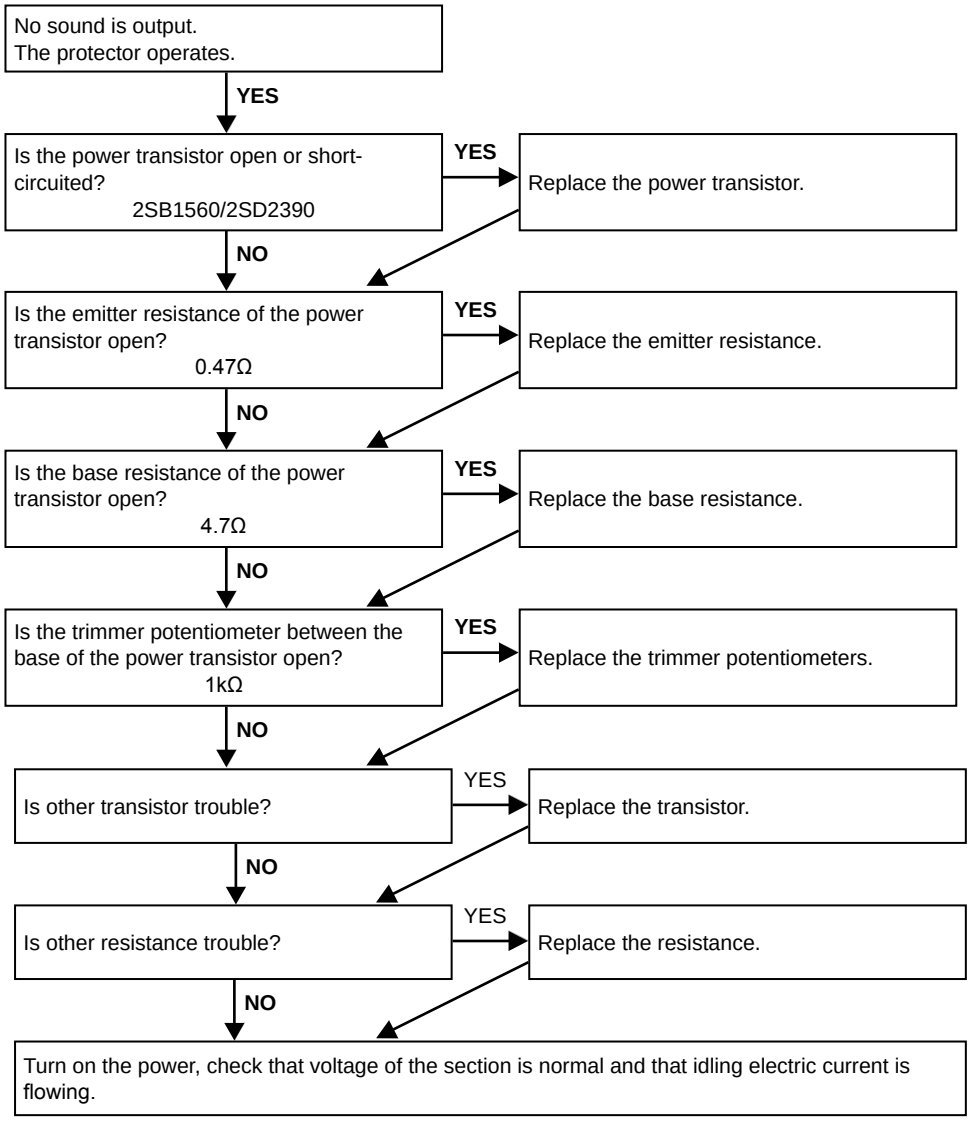
| | | | |
|---|---|---|---|
| CHECK6 | Connect | Setting | SOURCE |
| | HDMI OUT→other AVR HDMI IN | TV MODE | HD AUDIO<br>(PCM MULTI or DolbyTrueHD or dtsHD MA) |

**OK** → Check Digital AUDIO BLOCK.

**NG** → Check HDMI BLOCK.

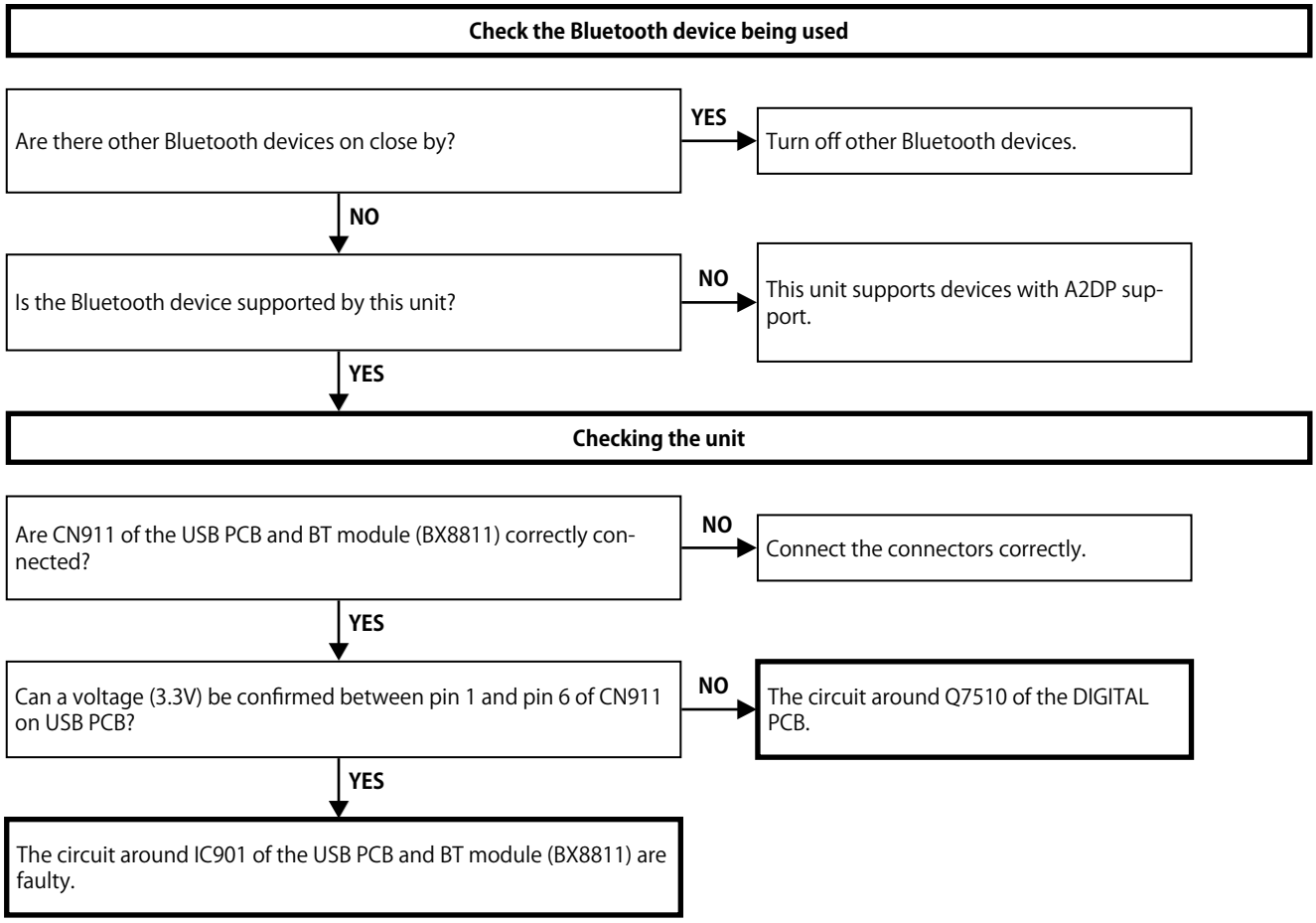


## 4.2. Power AMP (MAIN UNIT)

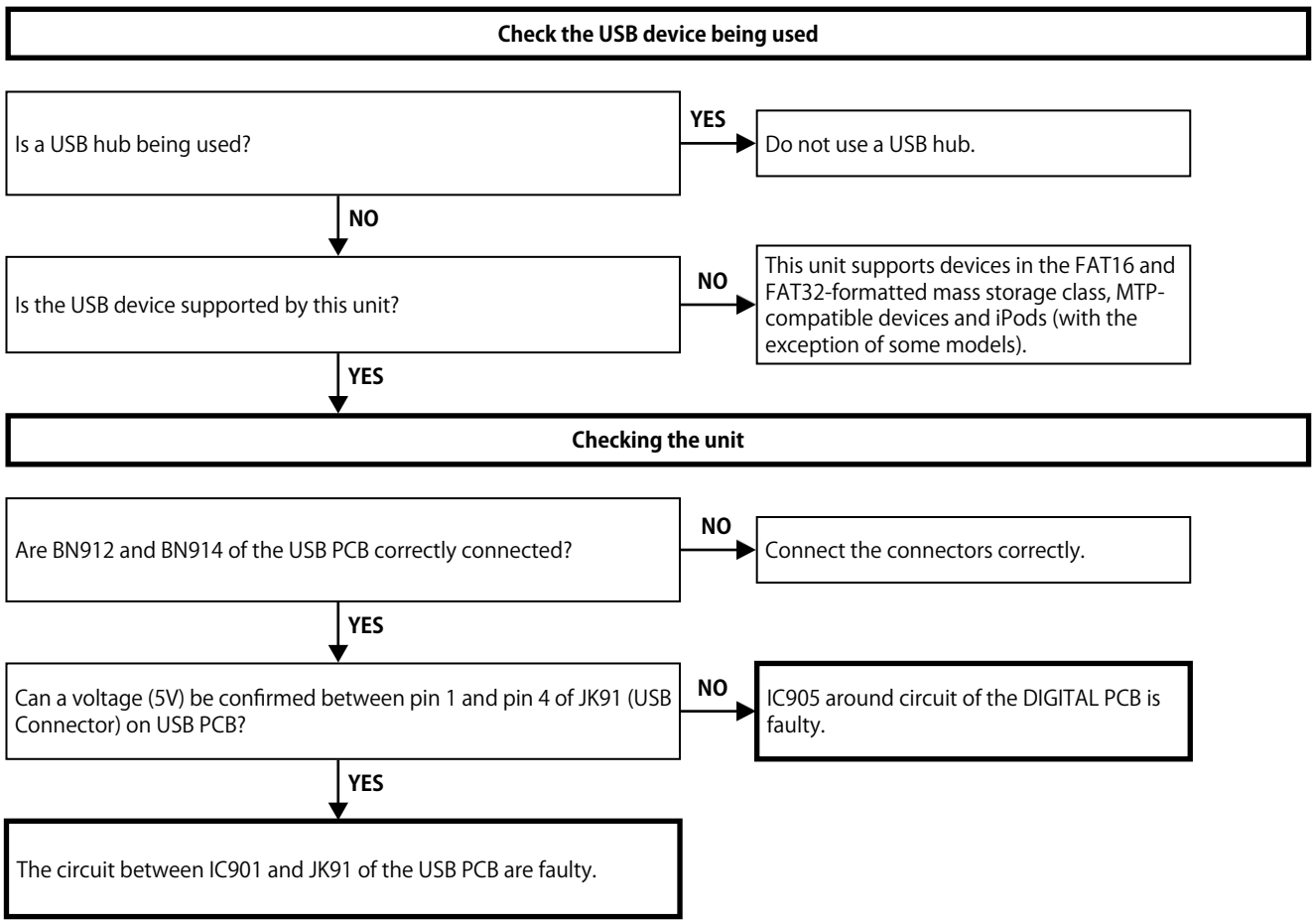


# 5. Bluetooth

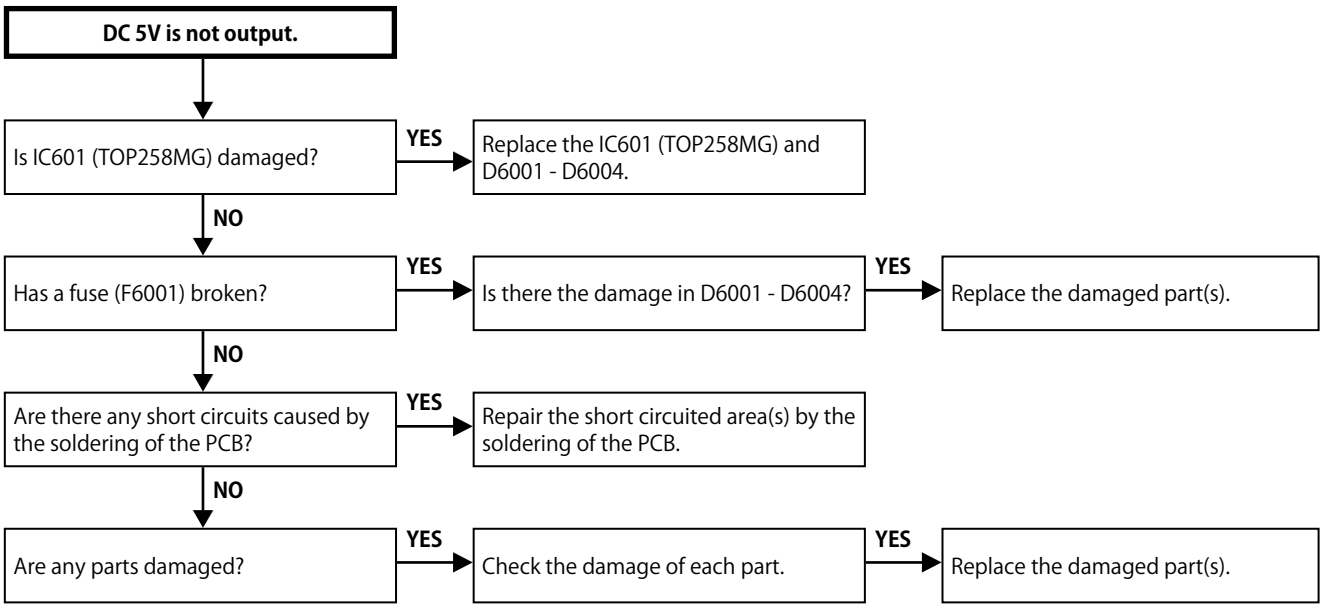
## 5.1. A connected Bluetooth device is not recognized.



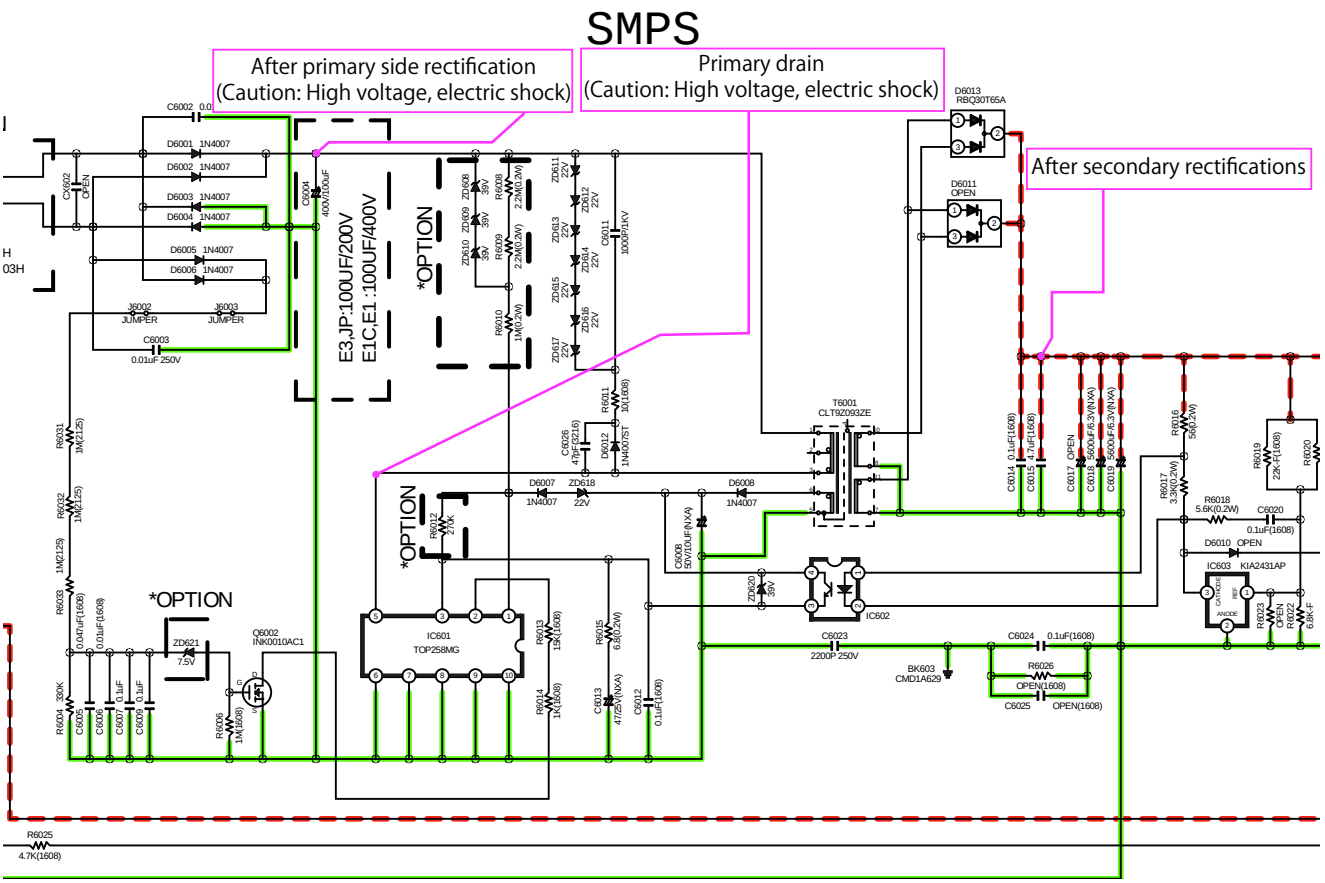
## 5.2. A connected USB device is not recognized.




# 6. SMPS



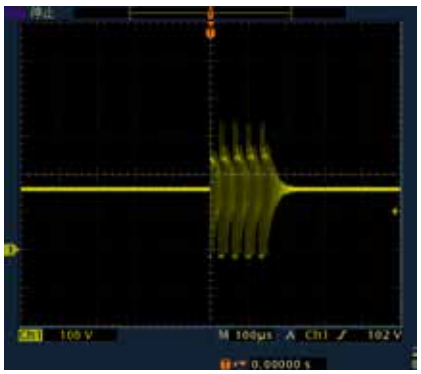
## Operation waveform for each part




SMPS unit
(Unloaded)

A

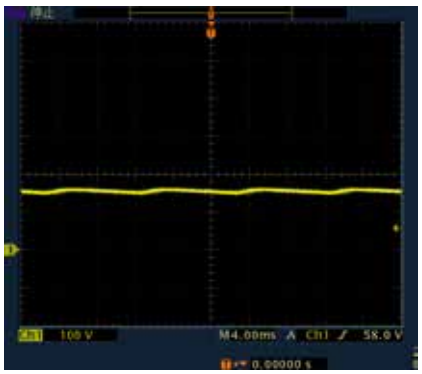
B



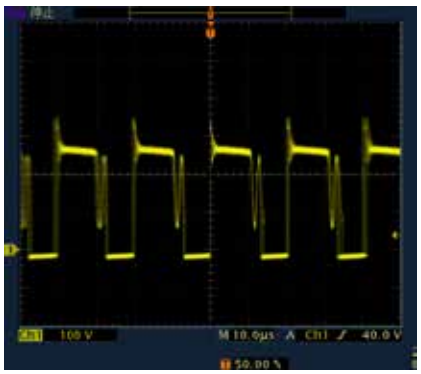
C

Set

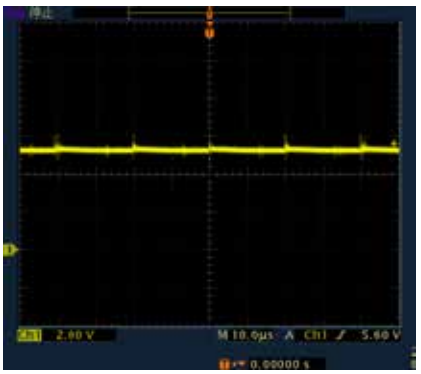
A



B



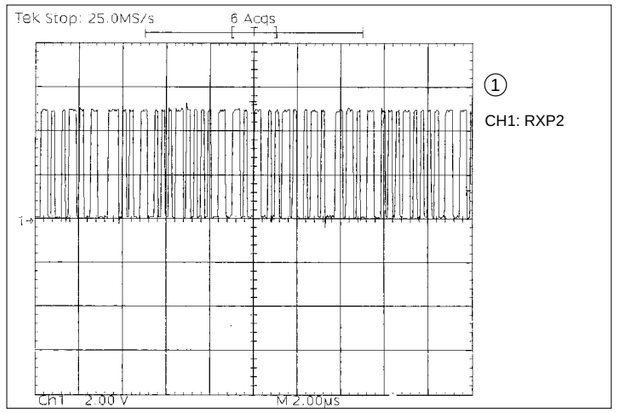
C



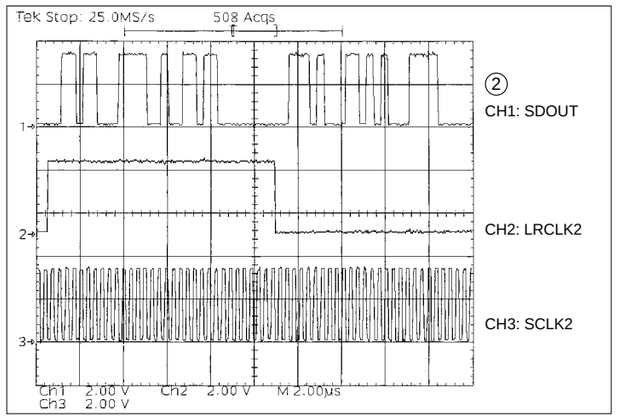
Personal notes:

# CLOCK FLOW & WAVE FORM IN DIGITAL BLOCK

## Wave form



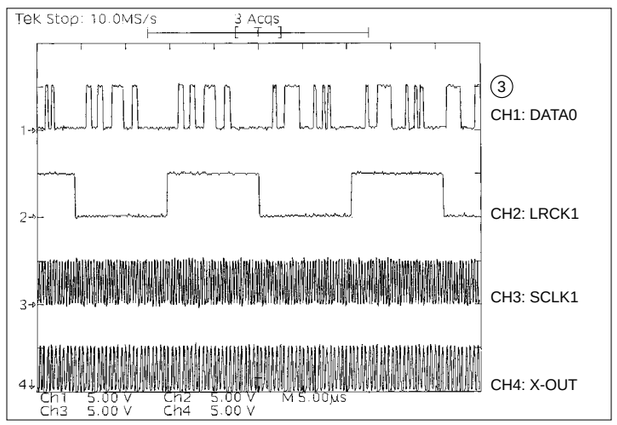

① CH1: RXP2




② CH1: SDOUT

CH2: LRCLK2

CH3: SCLK2

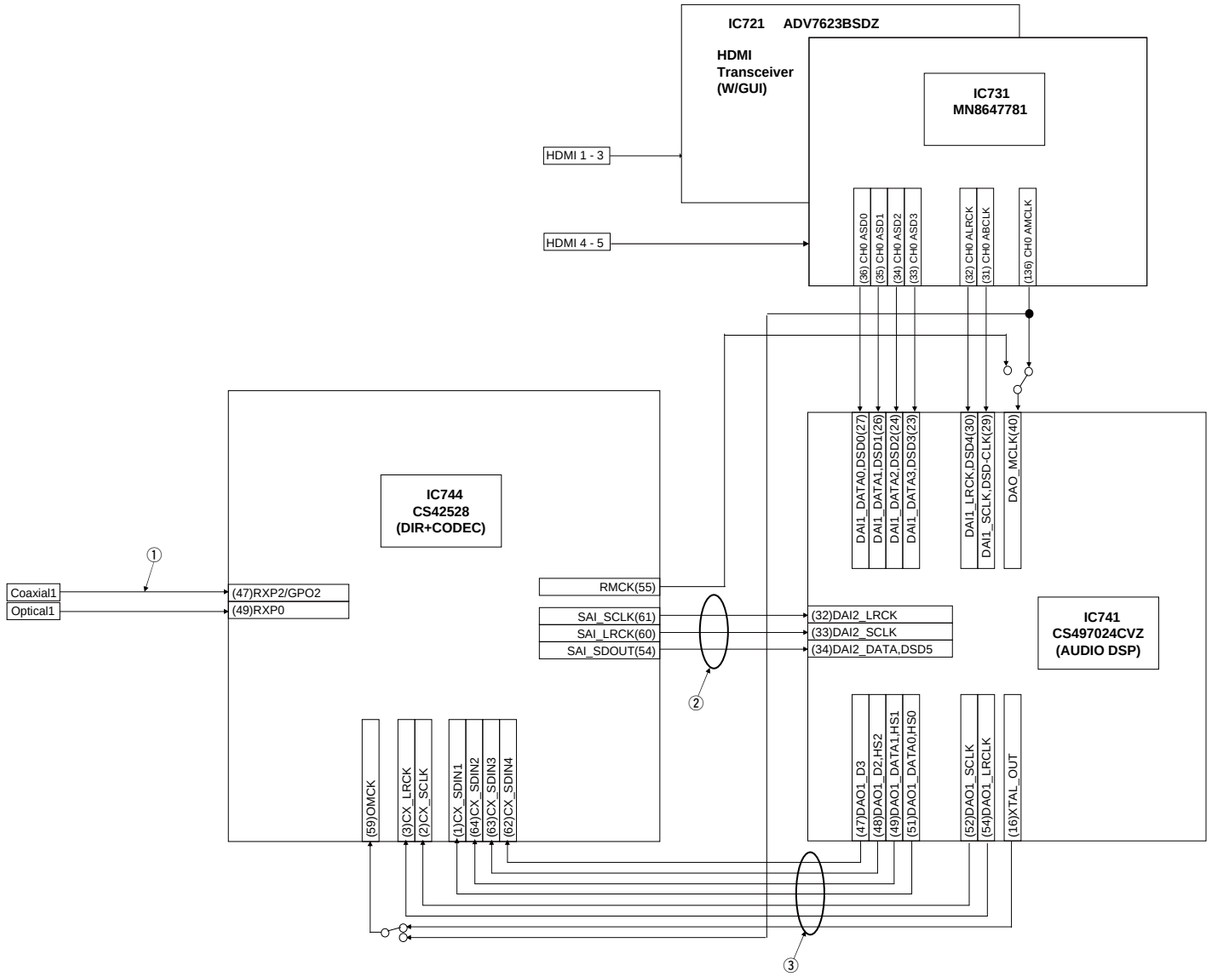



③ CH1: DATA0

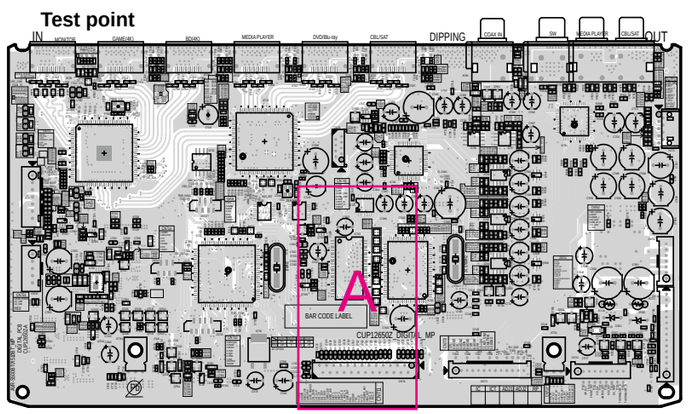
CH2: LRCK1

CH3: SCLK1

CH4: X-OUT

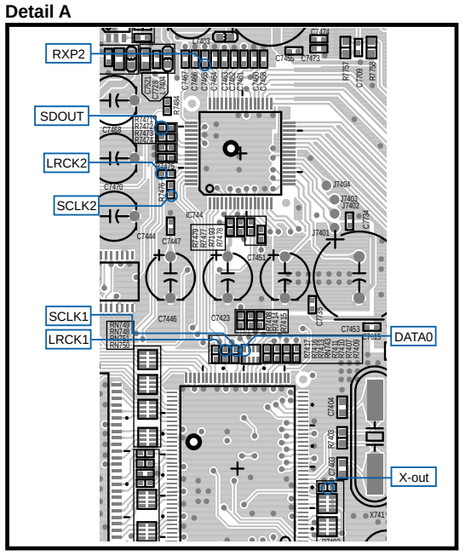



## Test point

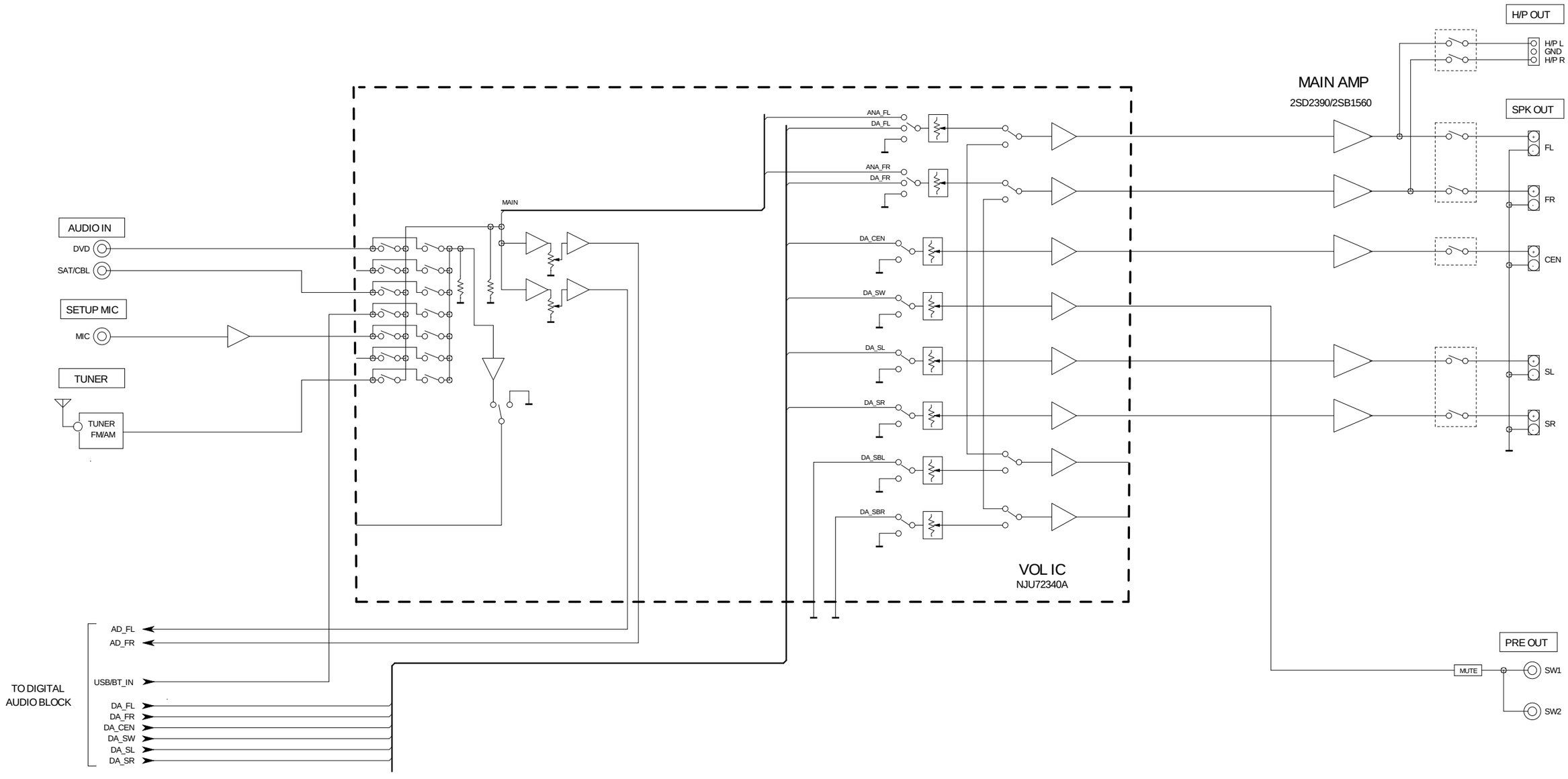



DIGITAL (COMPONENT SIDE)

## Detail A

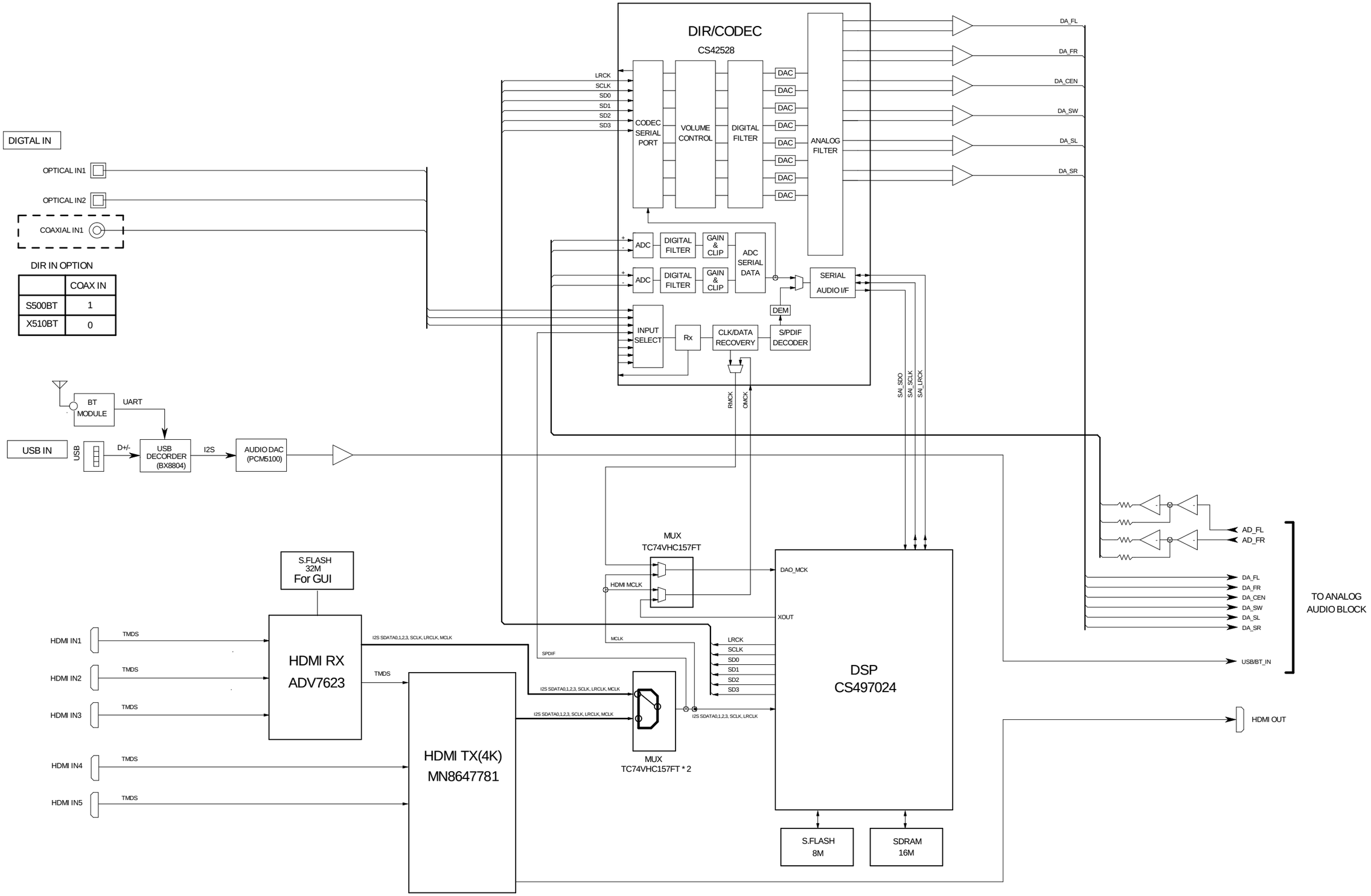


# AVR-S500BT/X510BT ANALOG AUDIO BLOCK



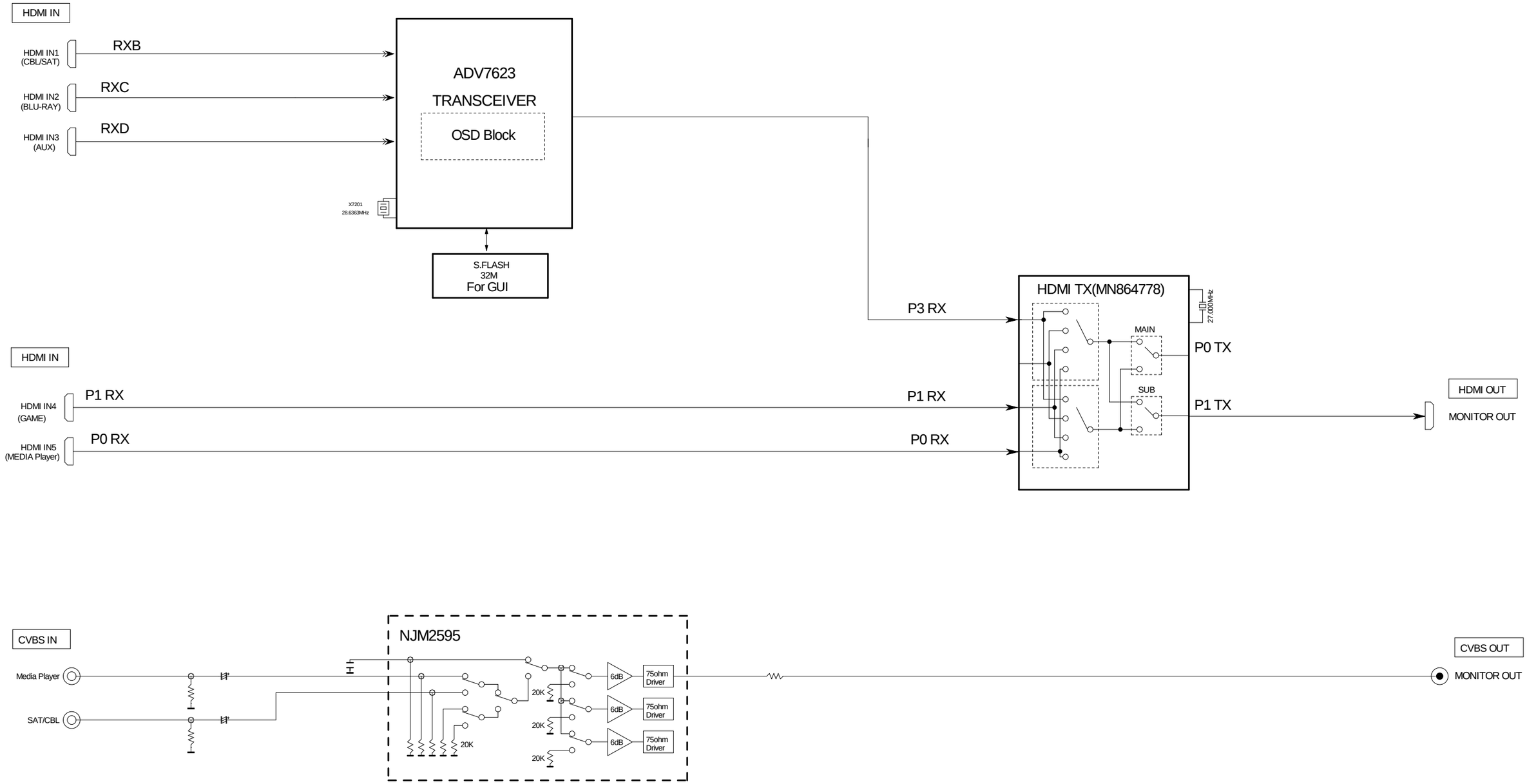
## DIGITAL AUDIO/HDMI BLOCK DIAGRAM

# AVR-S500BT/X510BT DIGITAL AUDIO/HDMI BLOCK



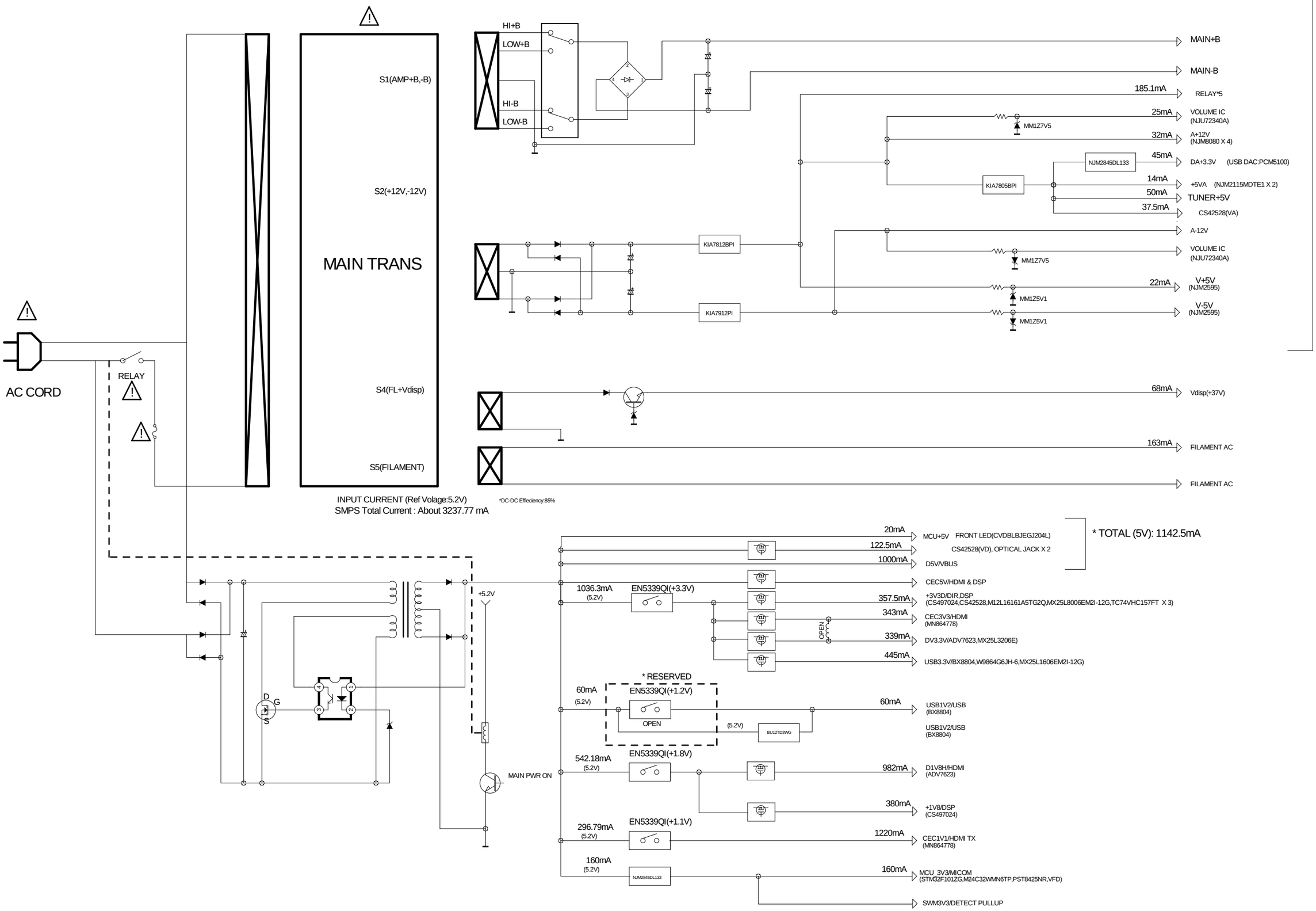
## VIDEO BLOCK DIAGRAM

# AVR-S500BT/X510BT VIDEO BLOCK



**POWER BLOCK DIAGRAM**

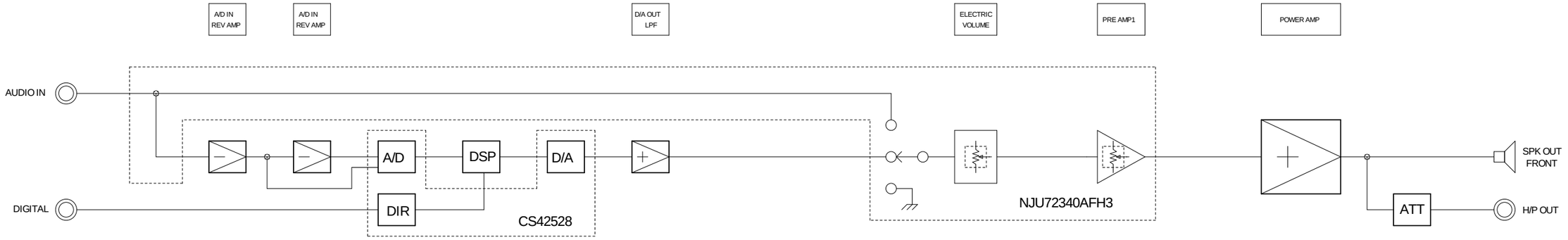
# AVR-S500BT/X510BT VCC DIAGRAM

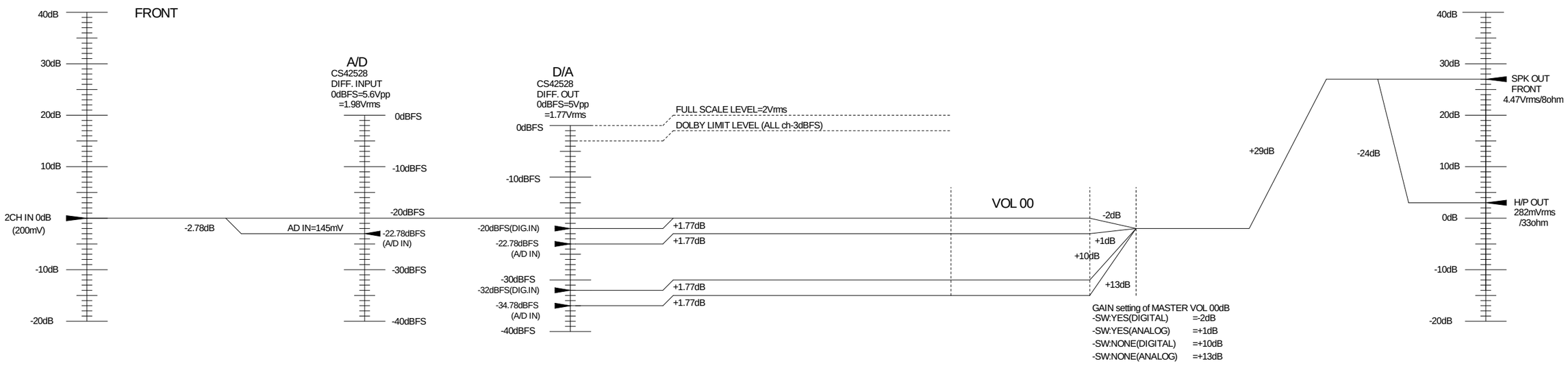


## LEVEL DIAGRAM

# AVR-S500BT/X510BT LEVEL1 DIAGRAM

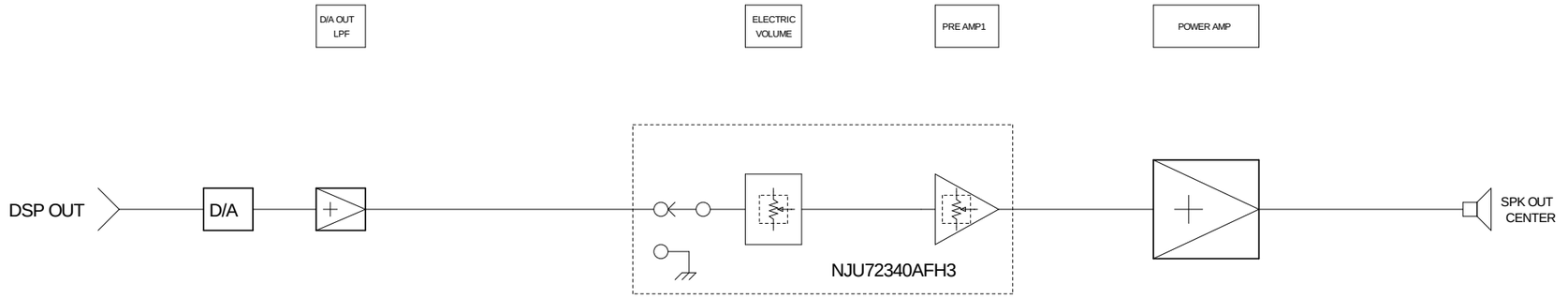
## FRONT ch

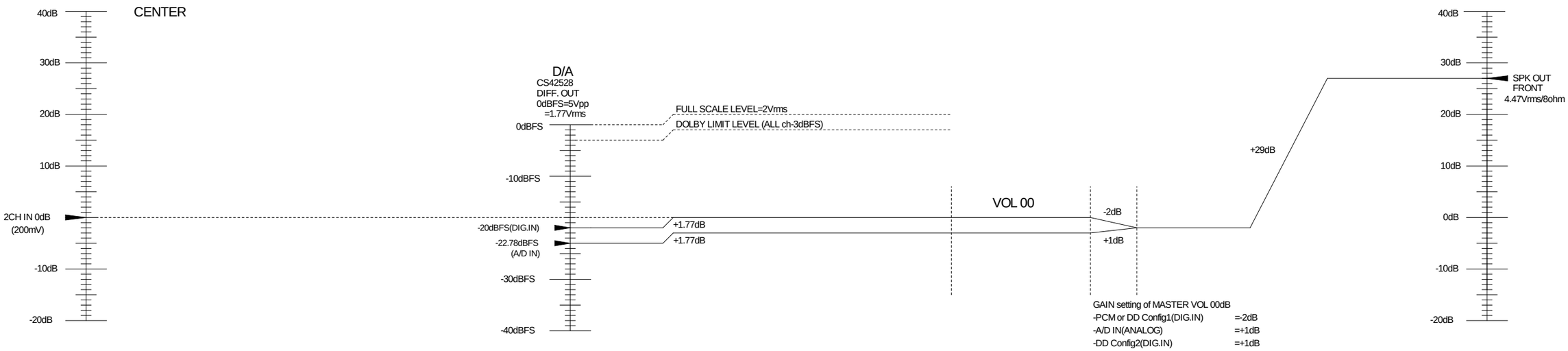


# AVR-S500BT/X510BT LEVEL2 DIAGRAM

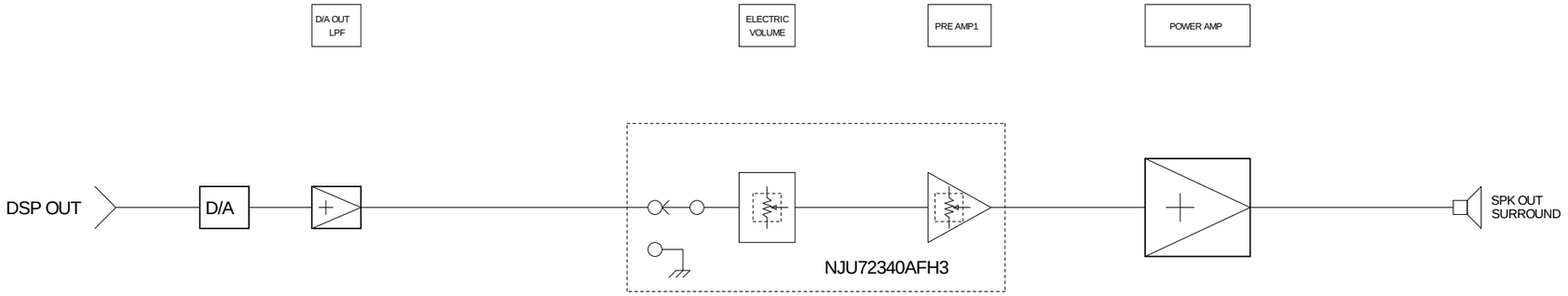
## CENTER ch

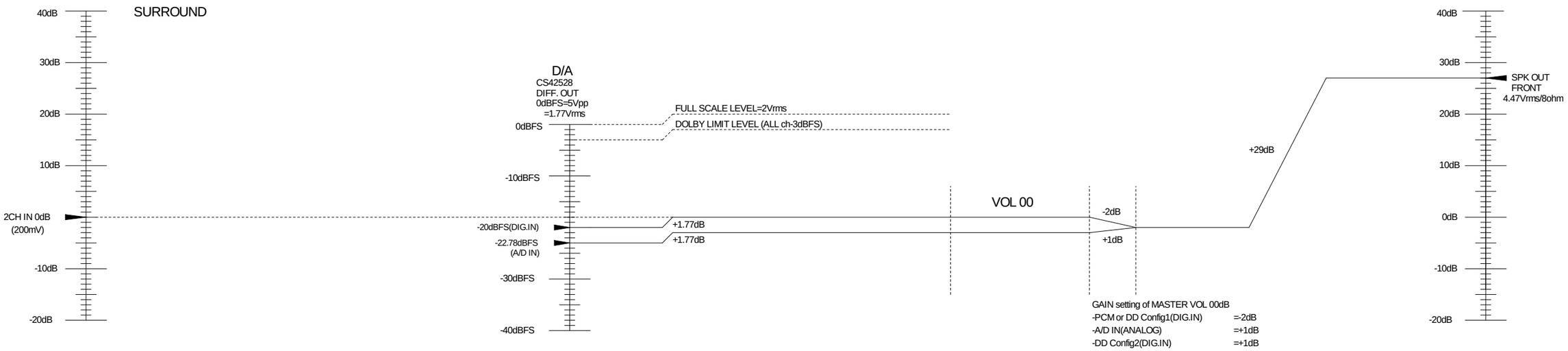


# AVR-S500BT/X510BT LEVEL3 DIAGRAM

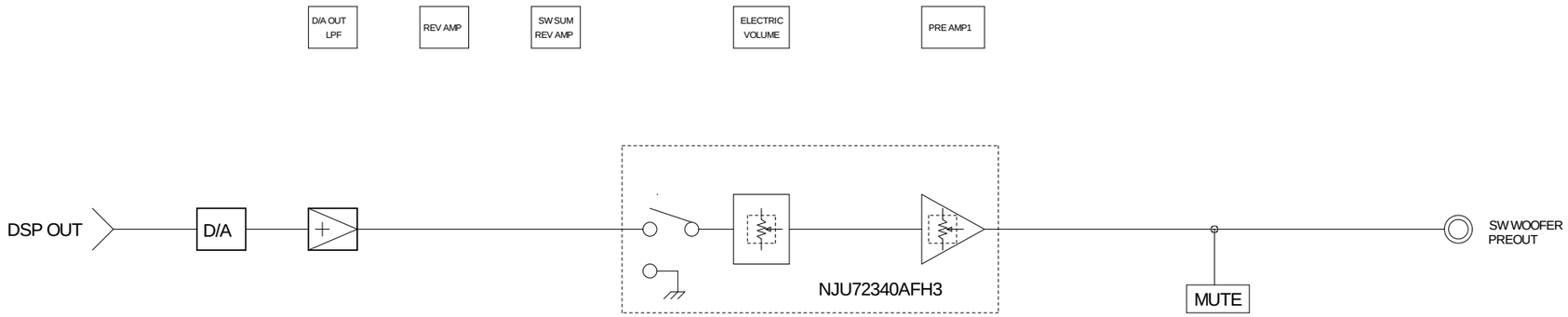
## SURROUND ch

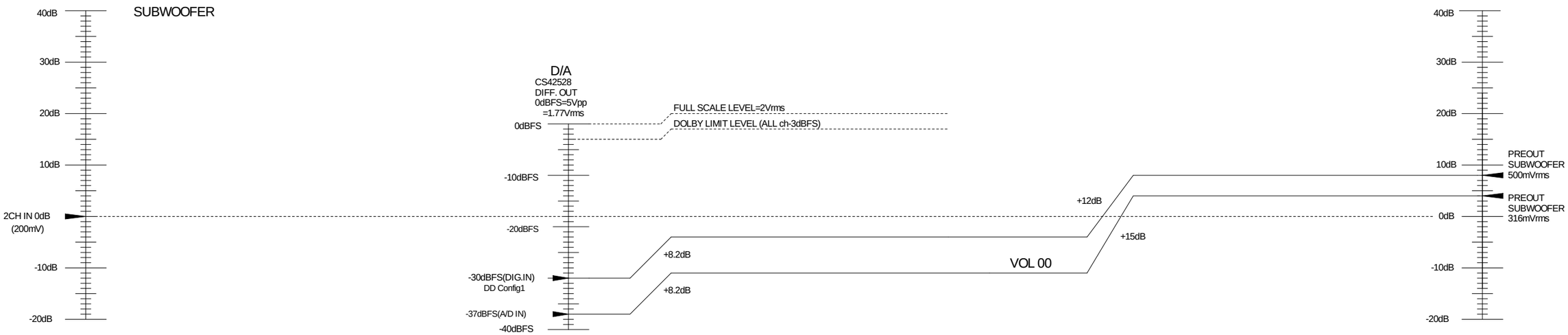


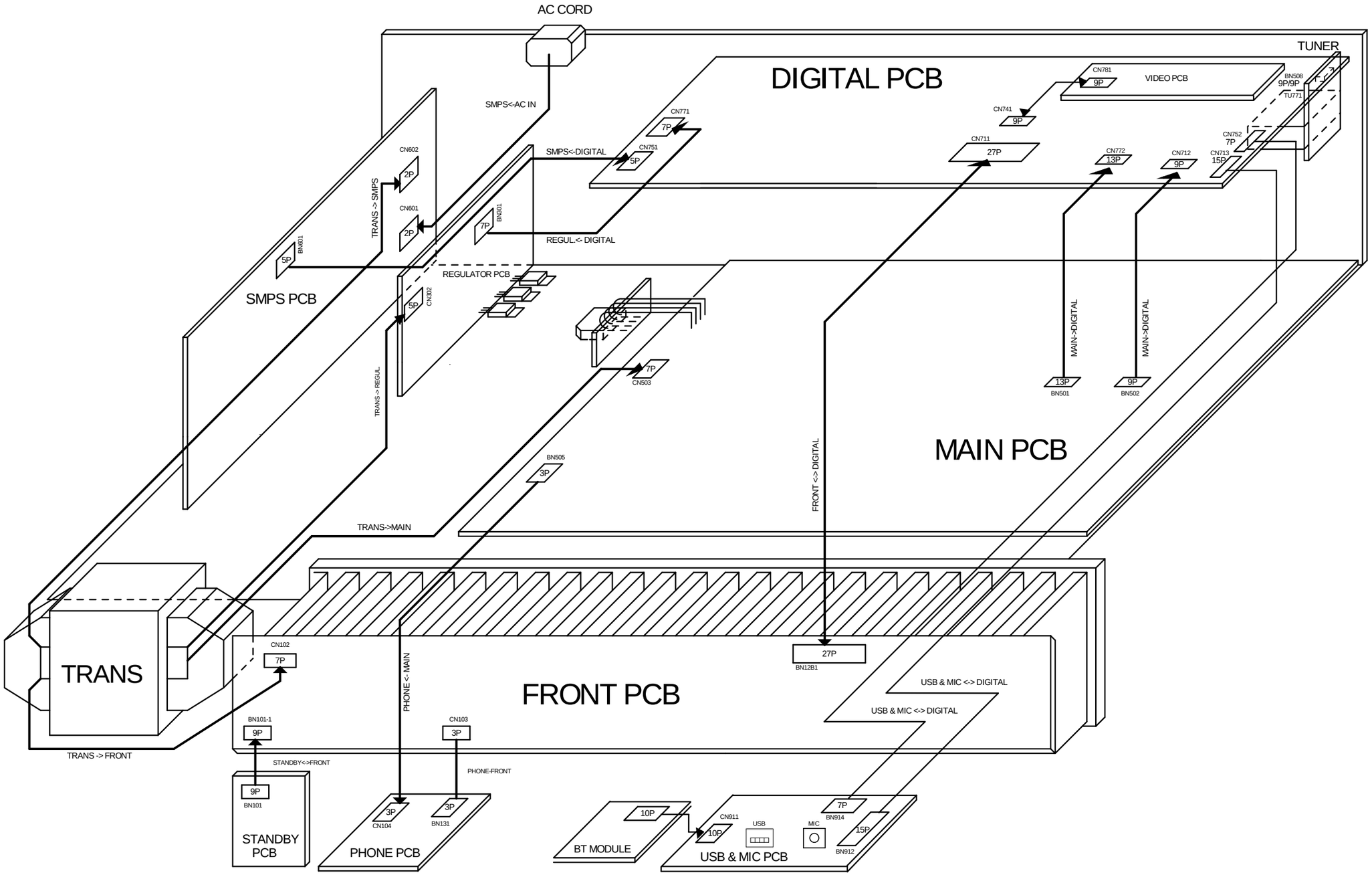
# AVR-S500BT/X510BT LEVEL4 DIAGRAM

## SUBWOOFER ch



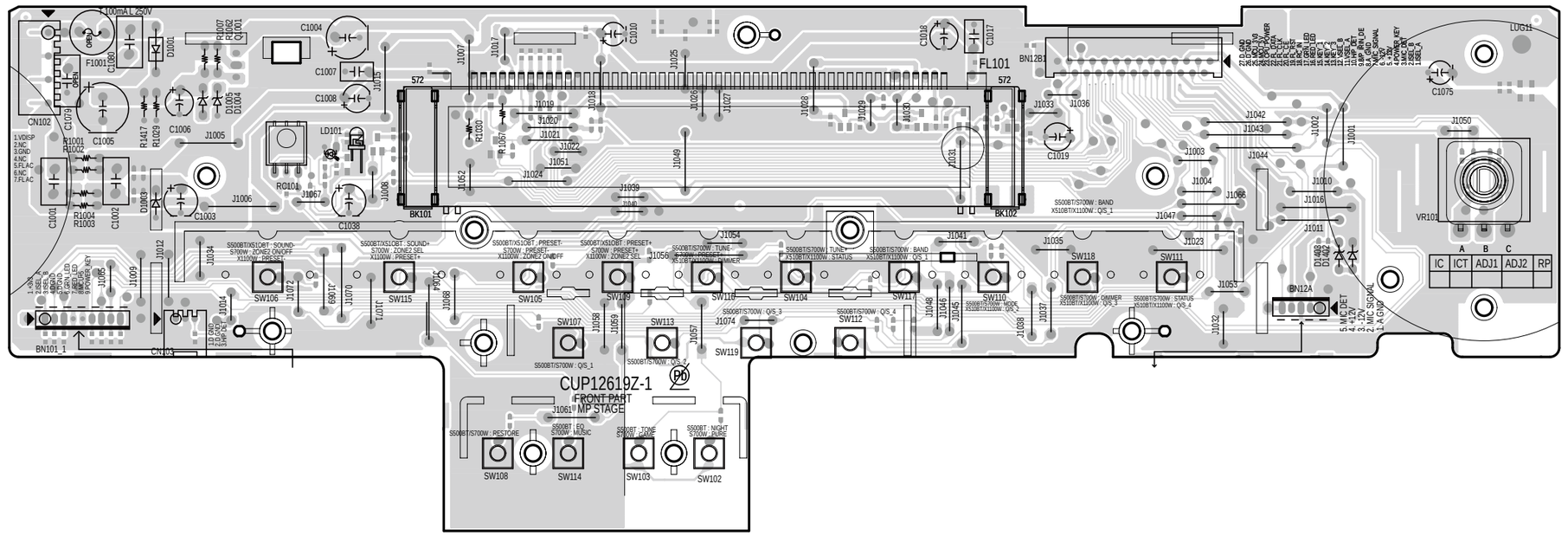



# AVR-S500BT/X510BT WIRING DIAGRAM

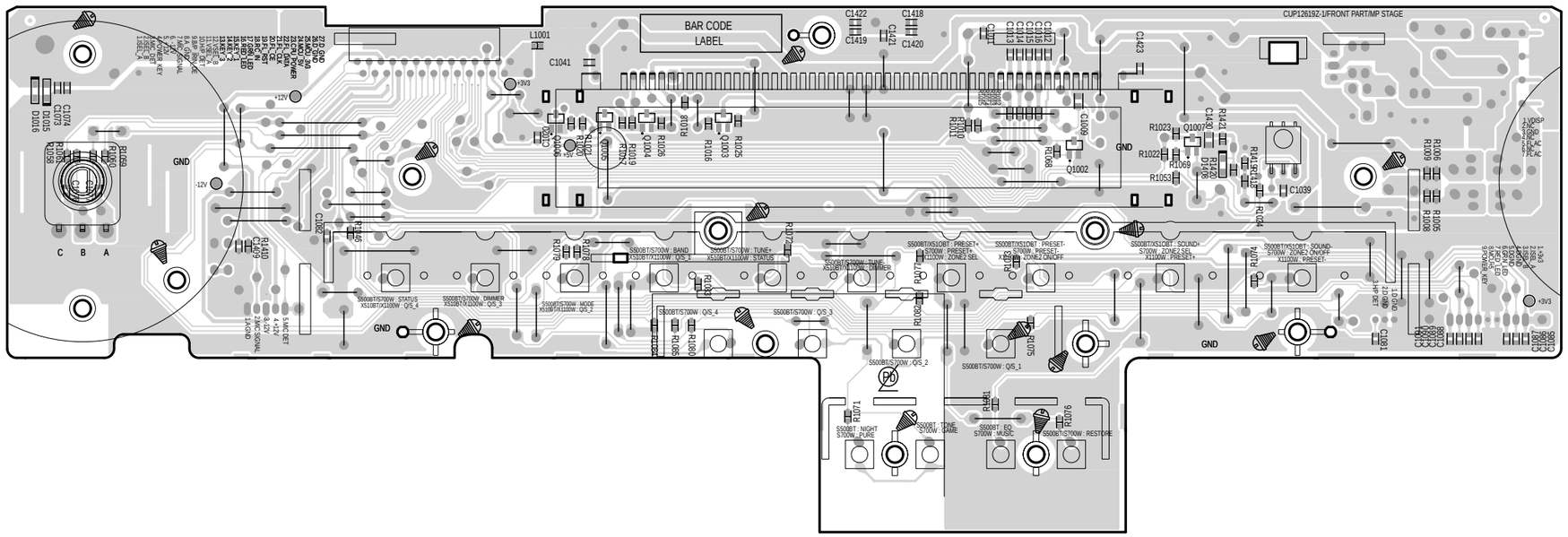


# PRINTED WIRING BOARDS

## FRONT
(A SIDE)




## FRONT
(B SIDE)

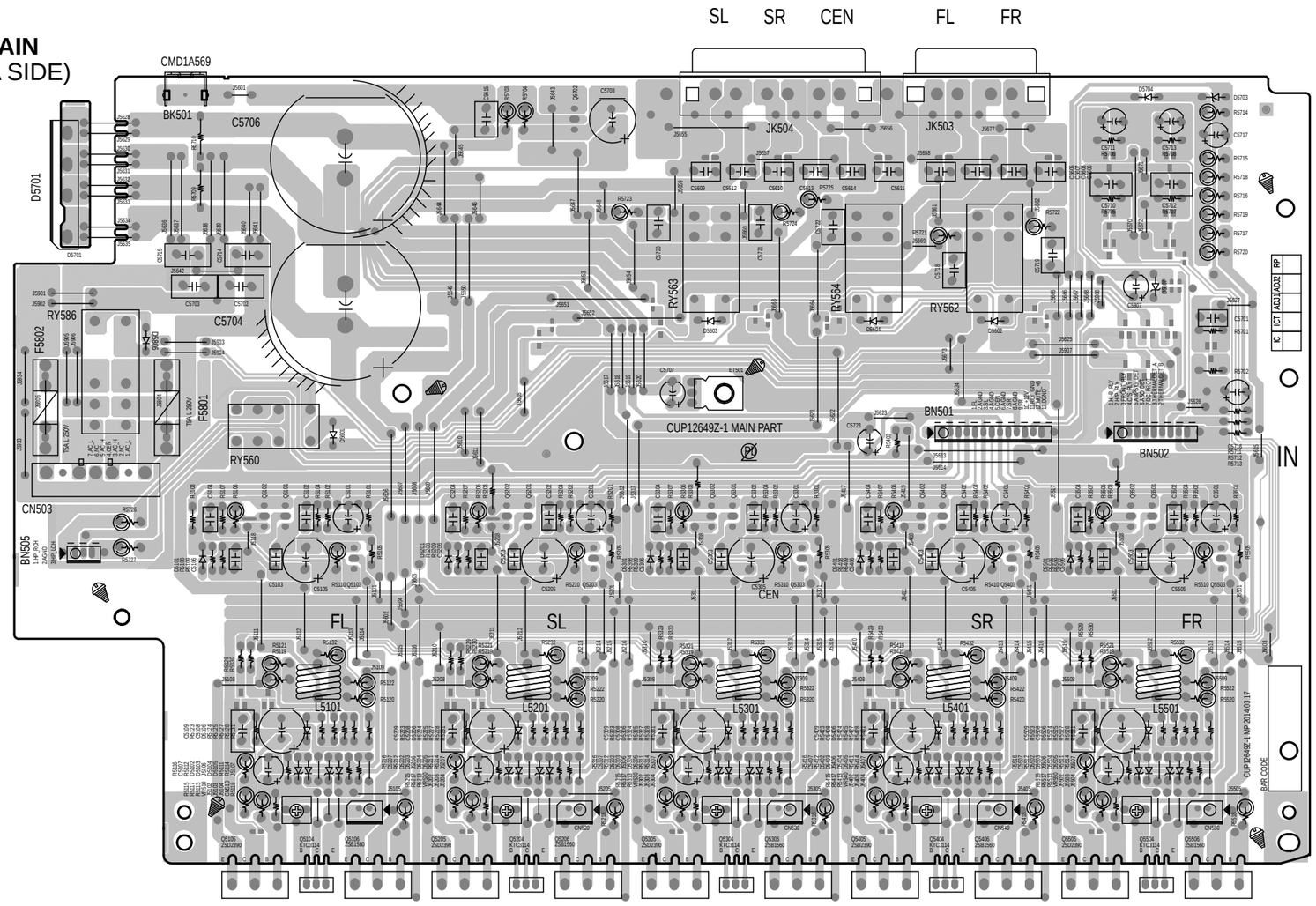



**鉛フリー半田**
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

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

# PRINTED WIRING BOARDS

**MAIN**
(A SIDE)

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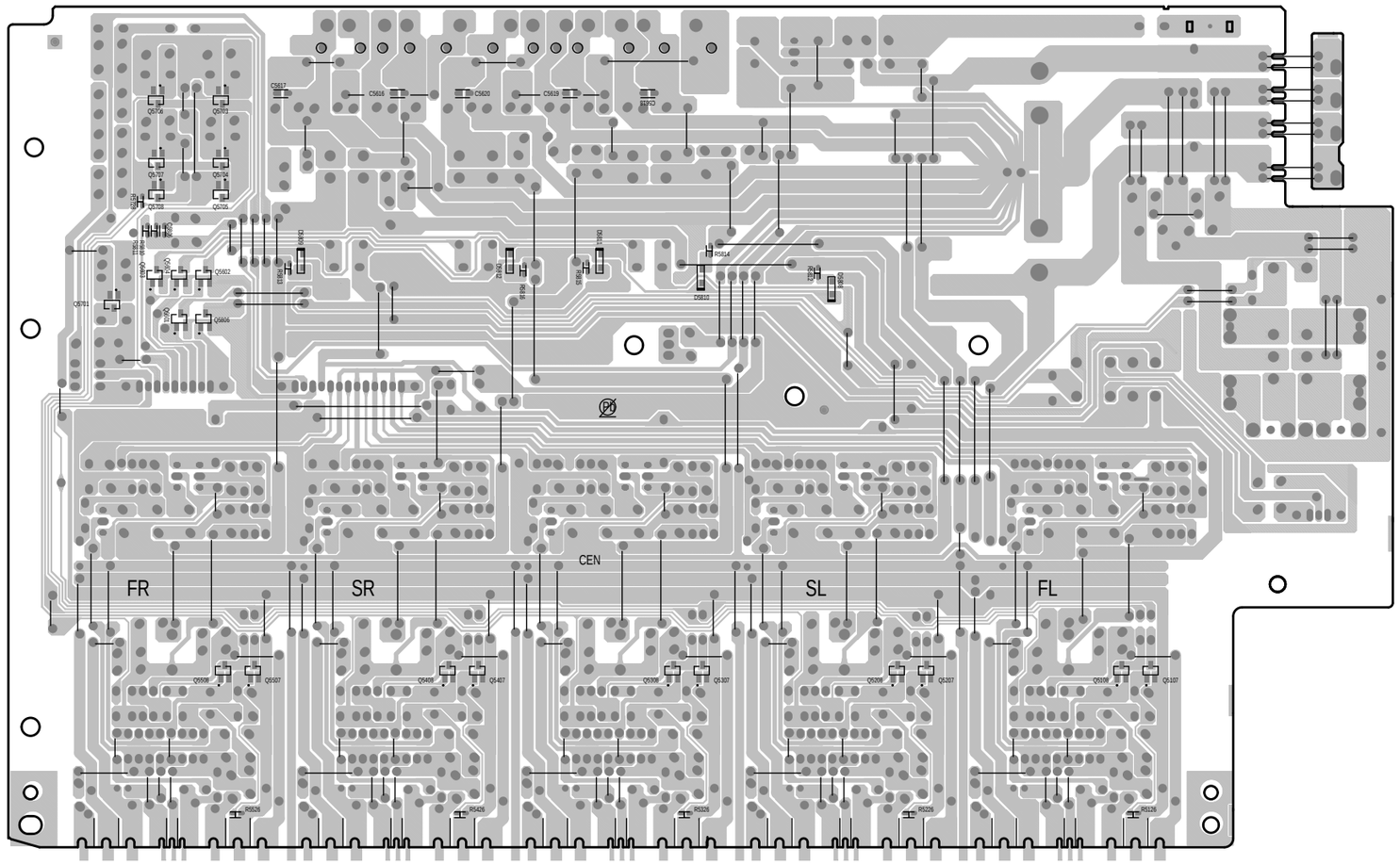
**MAIN**
(B SIDE)




**鉛フリー半田**
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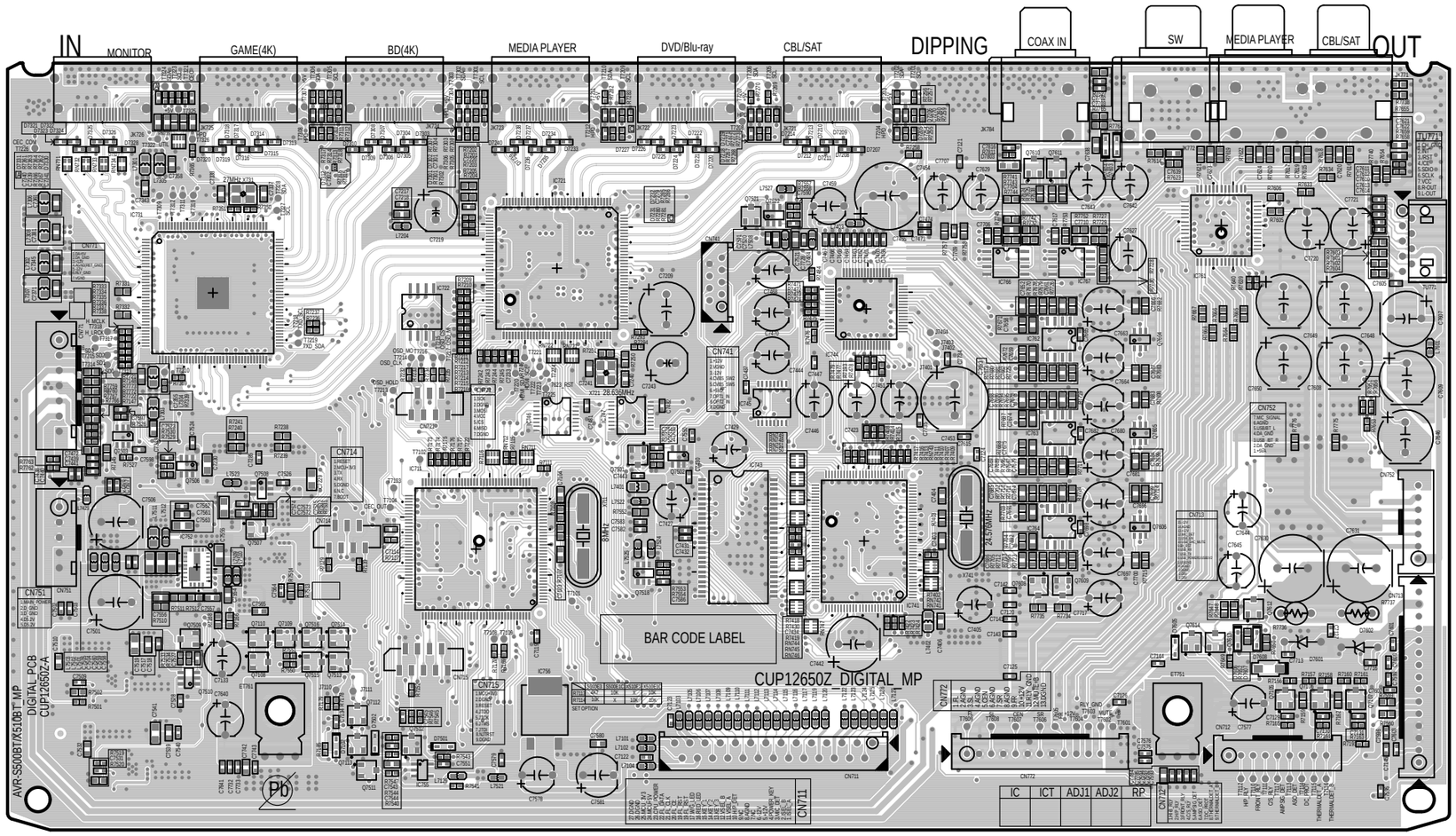
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

# DIGITAL

(A SIDE)



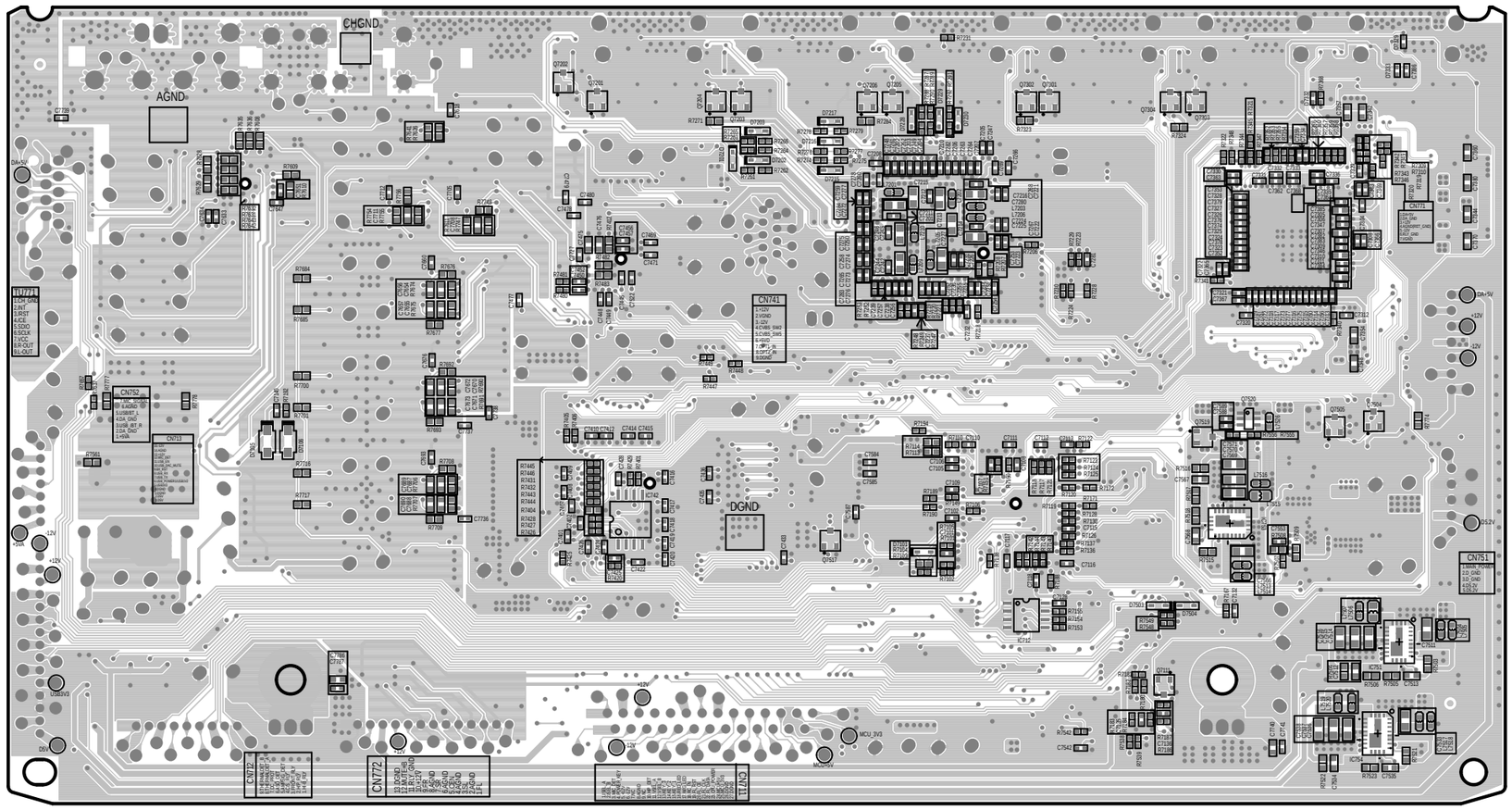

**鉛フリー半田**

半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

Lead-free Solder

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

**DIGITAL**
(B SIDE)

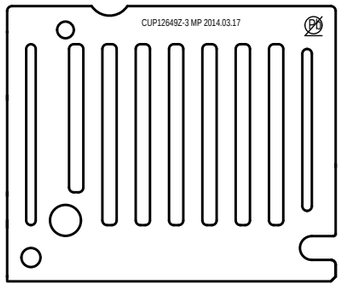



**鉛フリー半田**
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

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

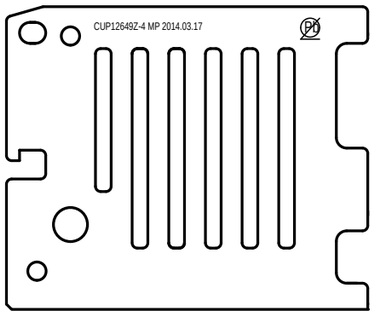
## FRONT CABLE GUIDE

(A SIDE)



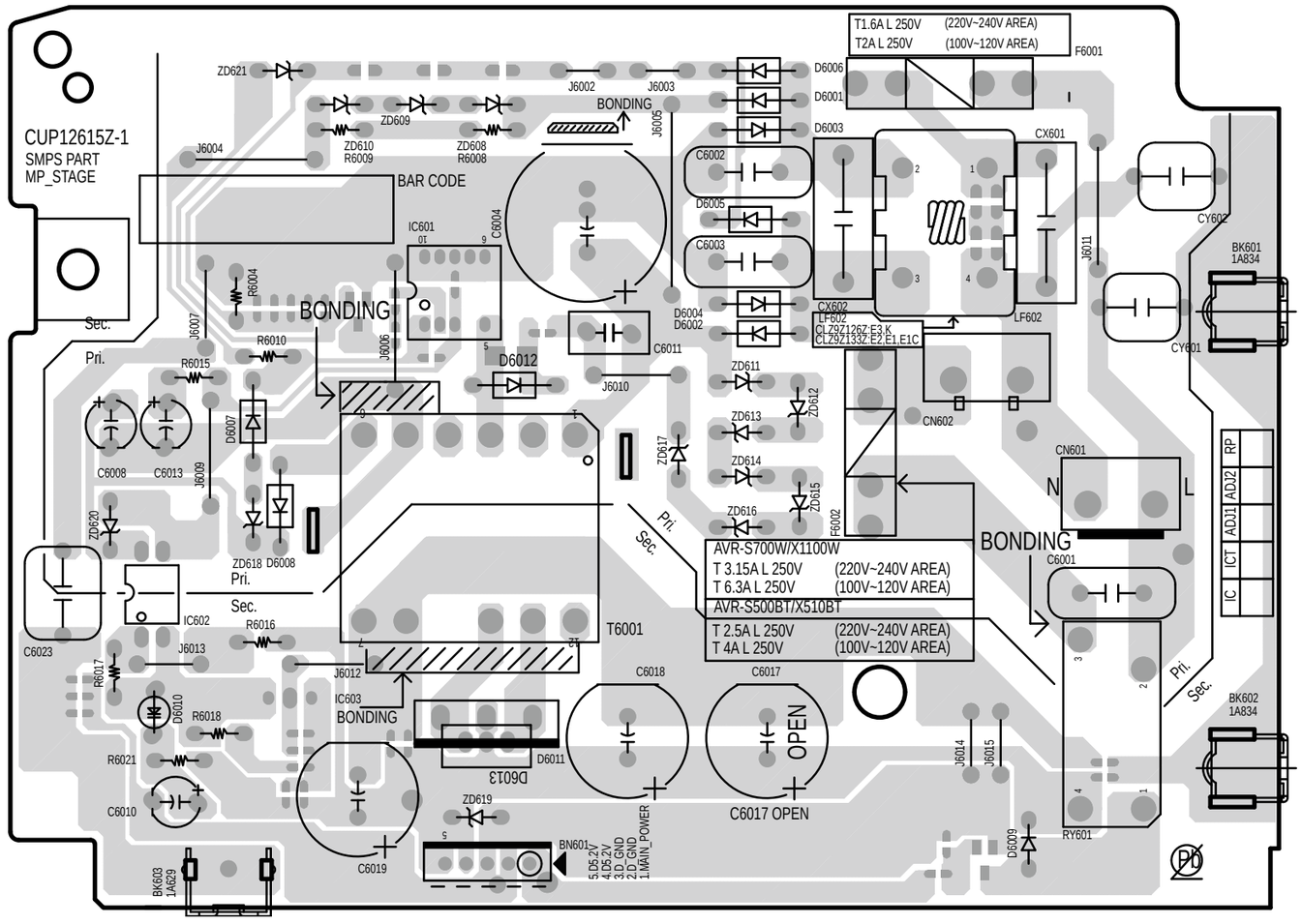

## USB WIRE GUIDE

(A SIDE)




## SMPS

(A SIDE)



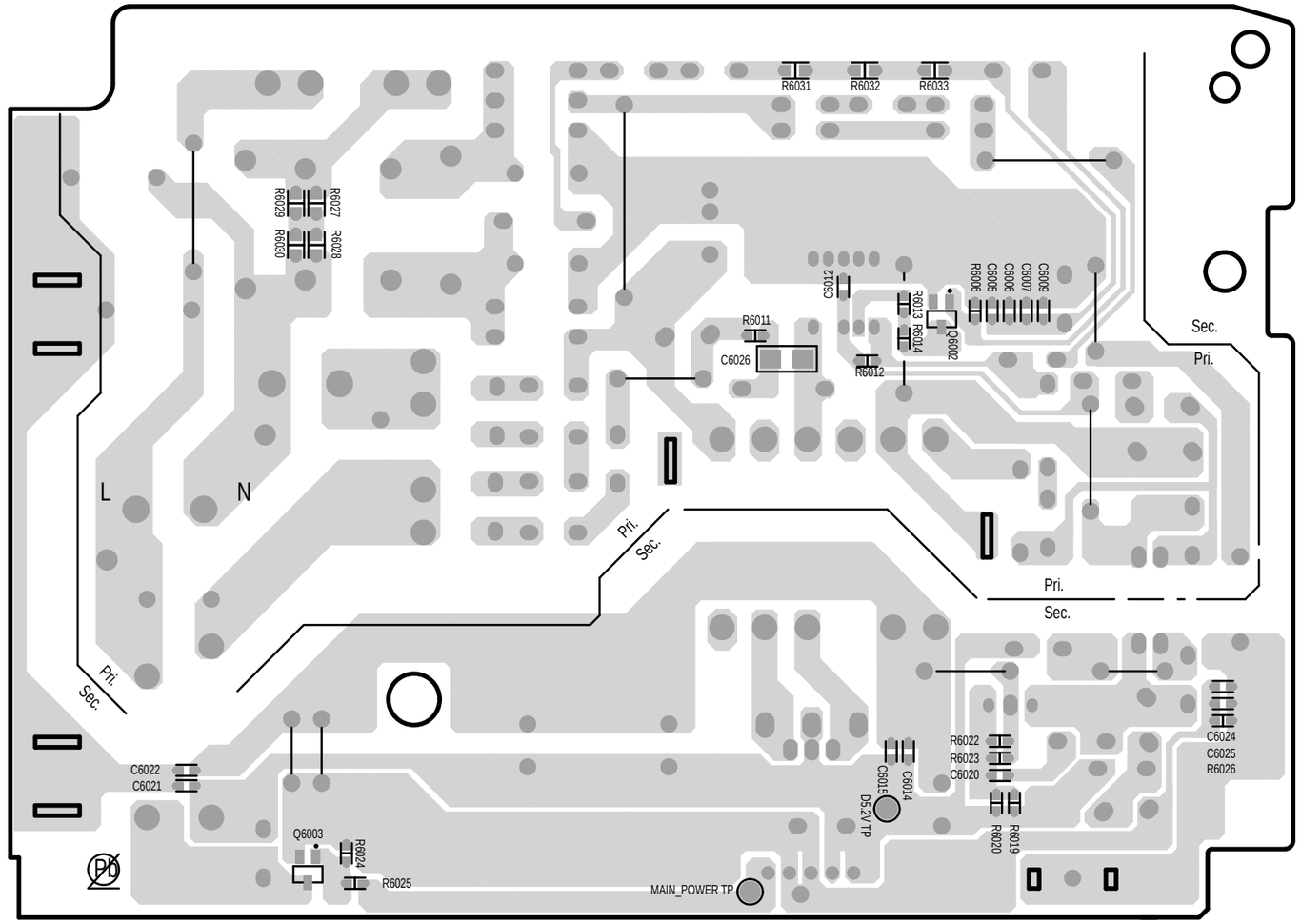

**鉛フリー半田**

半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

Lead-free Solder

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

**SMPS**
(B SIDE)




**鉛フリー半田**
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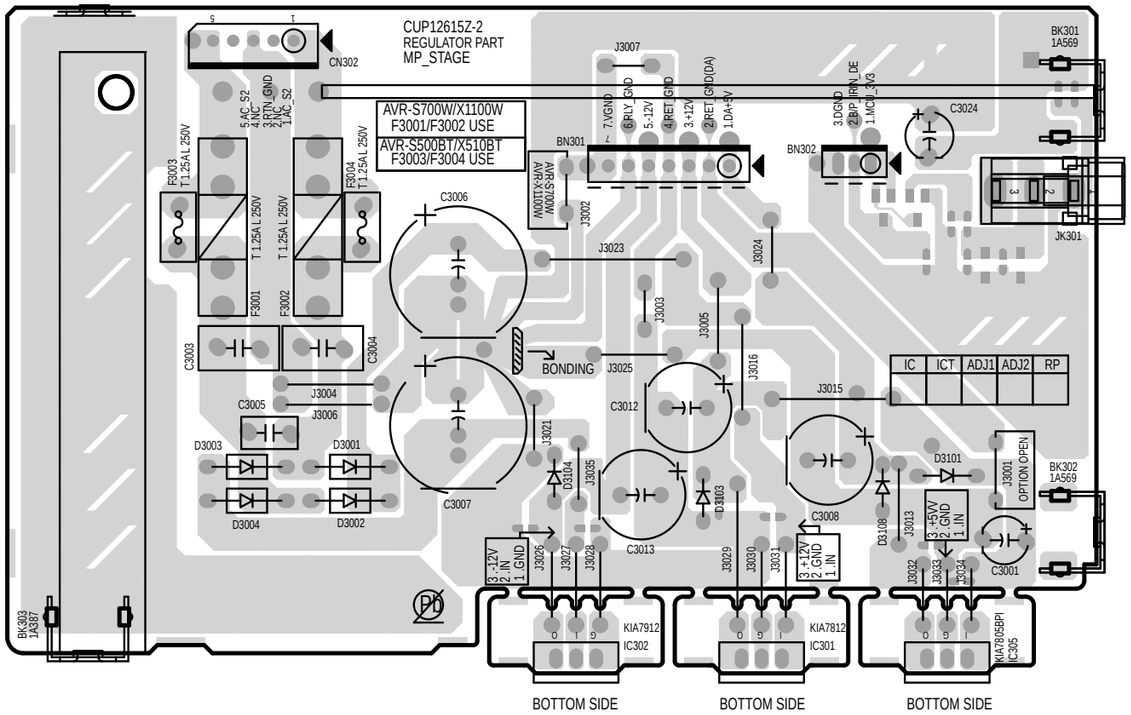
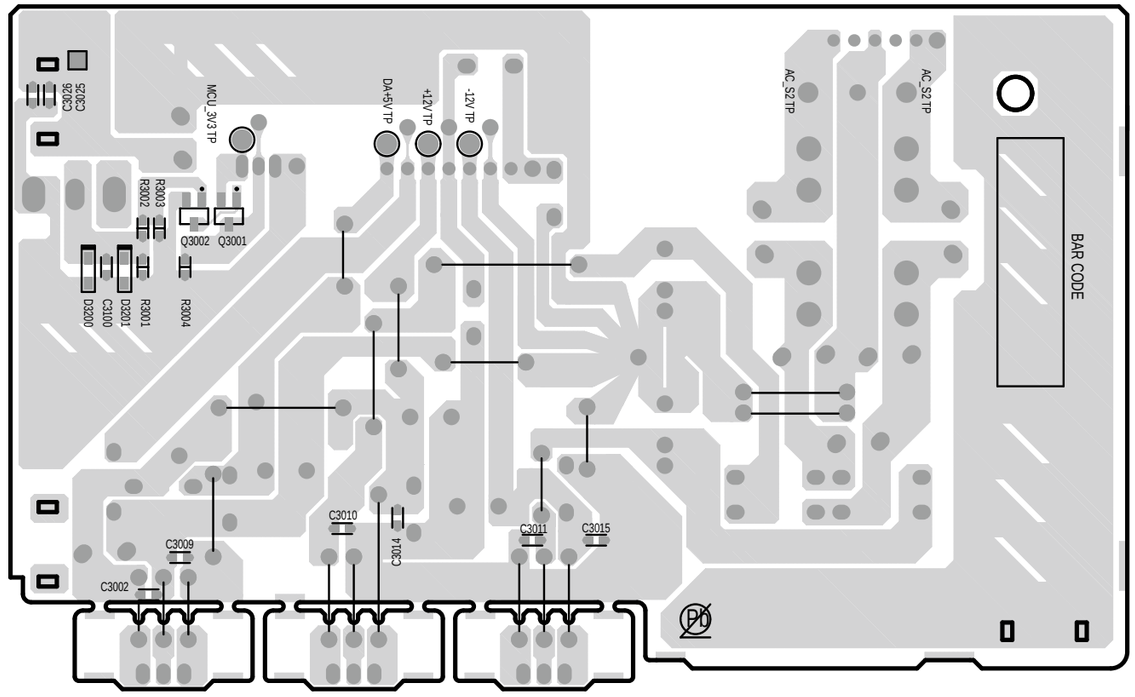
## REGULATOR
(A SIDE)




## REGULATOR
(B SIDE)

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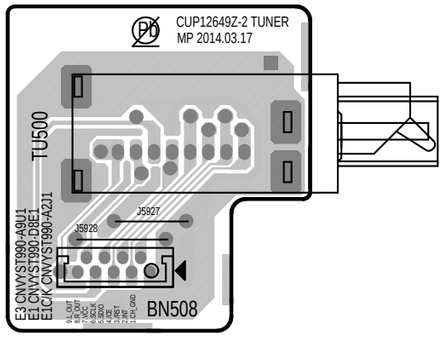
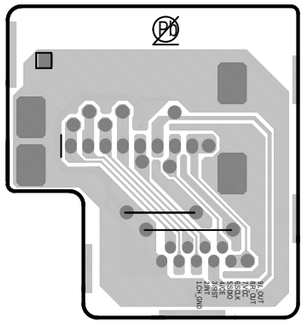
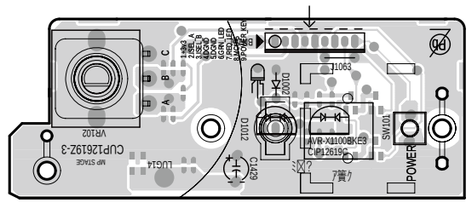
## TUNER
(A SIDE)



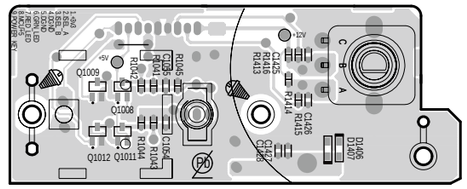

## TUNER
(B SIDE)



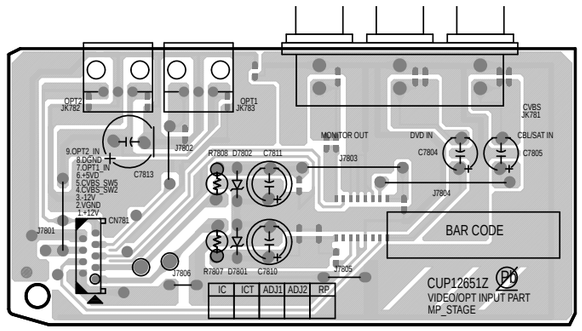
## STANDBY
(A SIDE)



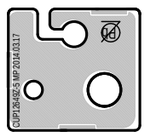

## STANDBY
(B SIDE)



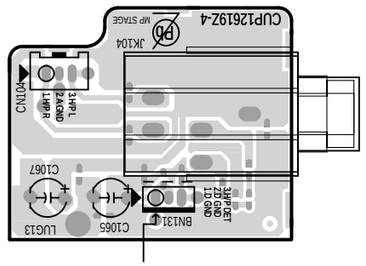
## VIDEO
(A SIDE)



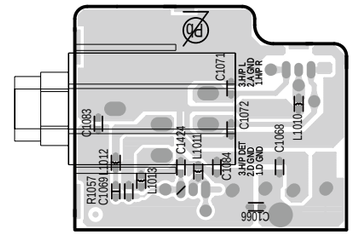

## PHONE WIRE GUIDE
(A SIDE)



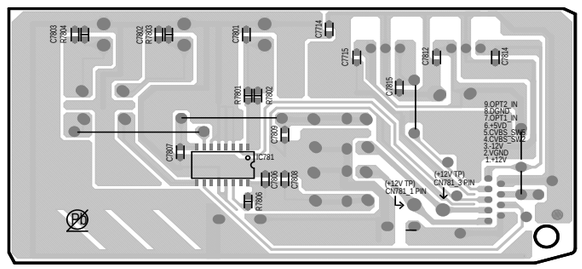
## PHONE
(A SIDE)



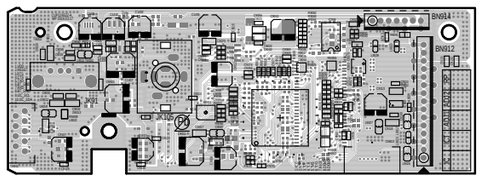

## PHONE
(B SIDE)



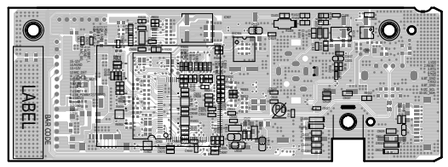
## VIDEO
(B SIDE)



## USB & MIC
(A SIDE)



## USB & MIC
(B SIDE)




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

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

# MCU PART

TO INPUT/VOLUME PART
4A TO A4
TO HDMI 4K PART
3A TO A3
TO DSP PART
2A TO A2
FROM/TO DIGITAL POWER PART
1A TO A1
FROM/TO HDMI OSD PART
0A TO A0

FOR UPDATE
CN714 OPEN
7.BOOT 6.N.C 5.DGND 4.RX 3.TX 2.MCU+3V3 1.RESET

TO FRONT B'D
FFC WAFER/27P/1.25mm
CN711 TO BN1281
CN711 FFC 27P
27.DGND 26.DGND 25.MCU_3V3 24.MCU+5V 23.CPU_POWER 22.SUB_MUTE 21.FL_CLK 20.FL_CE 19.FL_RST 18.MIC_IN 17.WIC_LED 16.RED_LED 15.KEY_1 14.KEY_2 13.KEY_3 12.VSEL_B 11.VSEL_A 10.HP_DET 9.NC 8.AGND 7.NC 6.12V 5.12V 4.POWER_KEY 3.MIC_DET 2.ISEL_B 1.ISEL_A

*EMI Coutermeasure.
*EMI Coutermeasure.(C7124/C7125/C7144)
*EMI Coutermeasure. L7103~L7105, L7119: 0 ohm~>600 ohm Bead

POWER-FAIL
BOOT0 MODE HIGH:UPDATE LOW:NORMAL

IC711
STM32F101ZG
MCU

CN715 OPEN
1.MCU+3V3 2.DGND 3.RESET 4.JTDO 5.JTCK 6.JTMS 7.JTDI 8.NJTRST 9.DGND
USE ONLY DEBUG

CN712 TO MAIN B'D WAFER/9P/2.0mm
9.THERMALDET_B 8.THERMALDET_A 7.DC_PROT 6.ASO_DET 5.AMPSIG_DET 4.C/S_RLY 3.FRONT_RLY 2.H/P_RLY 1.HI-B_RLY

CN713 TO BN912 WAFER/15P/2.0mm FROM/TO USB/BT B'D
1.D5V 2.D5V 3.DGND 4.DGND 5.USB3V3 6.USB_POWER1/USB1V2 7.USB_TX 8.USB_RX 9.BX_RST 10.USB_DAC_MUTE 11.USB_EN 12.MIC_DET 13.+12V 14.AGND 15.-12V

5A TO A5
TO DSP PART

POWER-FAIL
Q7108 2SC3052
Q7109 ISA1530AC1
Q7110 2SC3062

DEBUG TEST POINT

*OPTION TABLE

| | S500BTE3 | S500BTE1C | X510BTE1 | X510BTE1C |
|---|---|---|---|---|
| R7113 | 4K7 | 10K | X | 10K |
| R7114 | 10K | X | 10K | 10K |

CEC-PART (OPEN START)
SWM3V3
SWM5V
DGND

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

# SCHEMATIC DIAGRAMS (1/12)
## MCU

# HDMI OSD PART

0.01uF OPEN(ADI RECOMMENDATION)

CEC_5V

INPUT-1
(CBL/SAT)

19.HP DET
18.+5V
17.GND
16.DDC DATA
15.DDC CLK
14.NC
13.CEC
12.CK-
11.D1 SHIELD
10.CK+
9.D0-
8.D1 SHIELD
7.D0+
6.D1-
5.D2 SHIELD
4.D1+
3.D2-
2.D2 SHIELD
1.D2+

ESD suppressor
ASQS12U020R2

INPUT-2
(DVD/Blu-ray)

19.HP DET
18.+5V
17.GND
16.DDC DATA
15.DDC CLK
14.NC
13.CEC
12.CK-
11.D1 SHIELD
10.CK+
9.D0-
8.D1 SHIELD
7.D0+
6.D1-
5.D2 SHIELD
4.D1+
3.D2-
2.D2 SHIELD
1.D2+

ESD suppressor
ASQS12U020R2

INPUT-3
(MEDIA PLAYER)

19.HP DET
18.+5V
17.GND
16.DDC DATA
15.DDC CLK
14.NC
13.CEC
12.CK-
11.D1 SHIELD
10.CK+
9.D0-
8.D1 SHIELD
7.D0+
6.D1-
5.D2 SHIELD
4.D1+
3.D2-
2.D2 SHIELD
1.D2+

ESD suppressor

IC721
ADV7623BSTZ

* Not Used Pin
Countermeasure

* HDMI ATC_CEC Connectivity TEST COUNTERMEASURE
R7231: OPEN-->0 ohm Change

HDMI_RESET
INT_TX
INT2
INT1
HDMI_SCL
HDMI_SDA

OSD FLASH PART
ALL VERSION: 32M

* CHECK TO OPTION

*EMI Coutermeasure.

*SOUND QUALITY Coutermeasure.

FROM/TO MCU PART
FROM/TO HDMI_OSD PART
FOR OSD UPDATE
FROM/TO HDMI TX PART
FROM DIGITAL POWER PART

B1 TO 1B
6A TO A6
A0 TO 0A
7A TO A7
8A TO A8

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

SCHEMATIC DIAGRAMS (2/12)
**HDMI OSD**

# HDMI 4K PART

FROM HDMI OSD PART
A7
TO 7A

HDMI_INPUT-4
BD(4K)

HDMI_INPUT-5
GAME(4K)

IC731
CVIMN864778

* HDMI operation Countermeasure

ESD suppressor
ASQS12U020R2
OPEN

TO DIGITAL POWER PART
9A
TO A9

FROM/TO DSP PART
A6
TO 6A
B0
TO 0B

HDMI_OUT
MONITOR

FROM MCU PART
A3
TO 3A

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

SCHEMATIC DIAGRAMS (3/12)
**HDMI 4K**

# DSP PART

3B
TO B3
FROM/TO INPUT/VOLUME PART

4B
TO B4
TO DIGITAL POWER PART

A2
TO 2A
FROM/TO MCU PART

IC741
AUDIO DSP
CS497024CVZ

IC744
CS42528-CQ
DIR + CODEC

IC742
MX25L8006EM2I-12G

IC743
M12L16161A5TG2Q
512K * 16Bit * 2Banks

* Cirrus Recommend
R7424, R7425: 10K-->3.3K Change.

*HDMI SPDIF MODE : DIR MASTER
*HDMI I2S MODE : HDMI MASTER
*ADC MODE : DSP MASTER
*DIR MODE : DIR MASTER

IC746, IC747 CONTROL
L : A OUT(ADV7623_I2S)
H : B OUT(MN864778_I2S)

L : A OUT(HDMI off)
H : B OUT( HDMI on)

CBL/SAT

OPTION

| | S500BTE3 | S500BTE1C/ X510BTE1/E1C |
|---|---|---|
| JK784 | O | X |
| C7816 | 100pF | 0.1uF |
| R7811 | O | X |

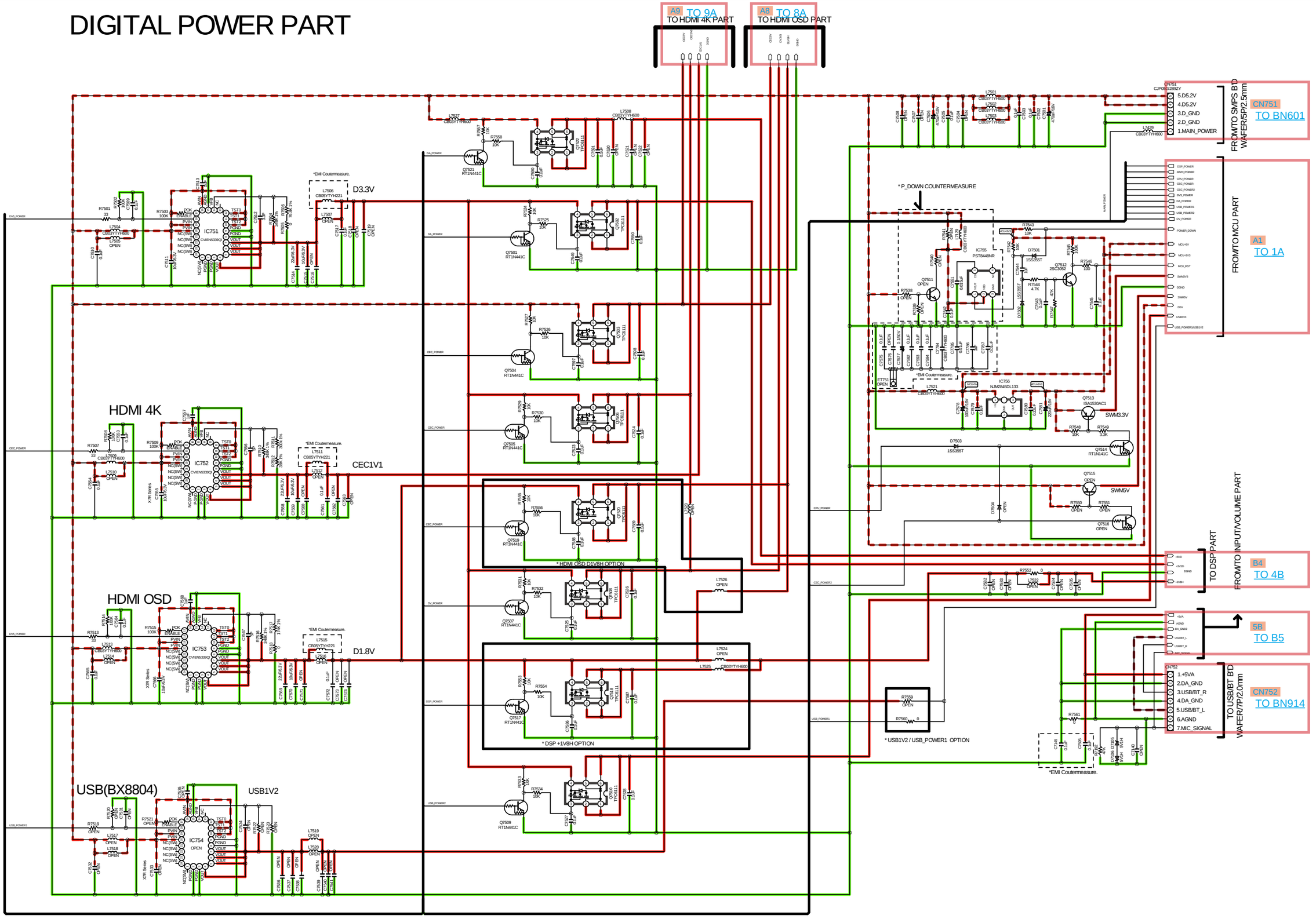
CN741
TO CN781
FFC WAFER/9P/1.0mm
TO VIDEO/OPTICAL PART
1.+12V
2.VGND
3.-12V
4.CVBS_SW2
5.CVBS_SW5
6.+5VD
7.OPT1_IN
8.DGND
9.OPT2_IN

TO INPUT/VOLUME PART 2B TO B2
FROM DSP PART A5 TO 5A
0B TO B0 FROM/TO HDMI 4K PART
1B TO B1 FROM/TO HDMI OSD PART

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

SCHEMATIC DIAGRAMS (4/12)
**DSP**

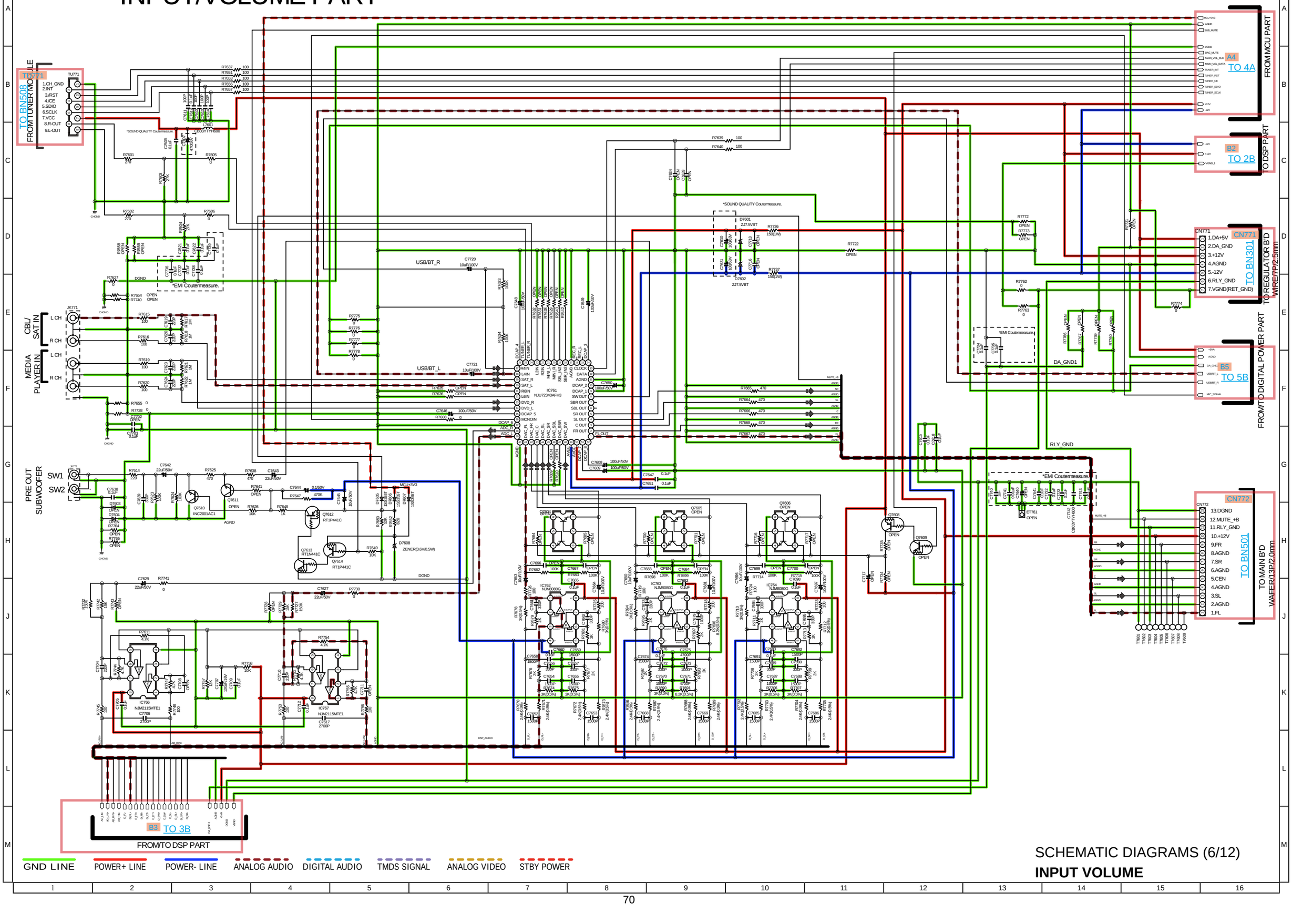
# DIGITAL POWER PART




SCHEMATIC DIAGRAMS (5/12)

**DIGITAL POWER**

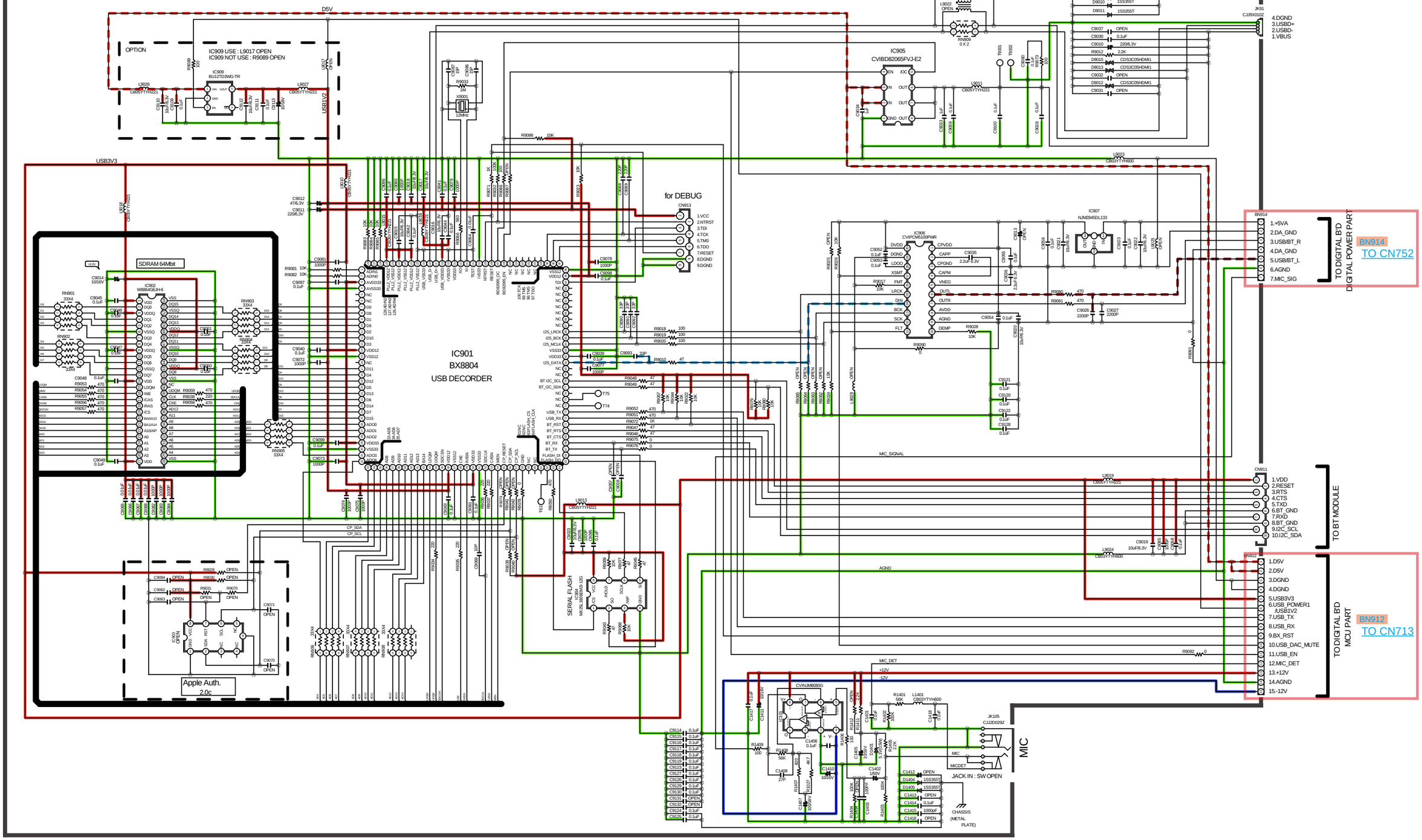
# INPUT/VOLUME PART




SCHEMATIC DIAGRAMS (6/12)

**INPUT VOLUME**

# USB / BT PART ( SETUP MIC )

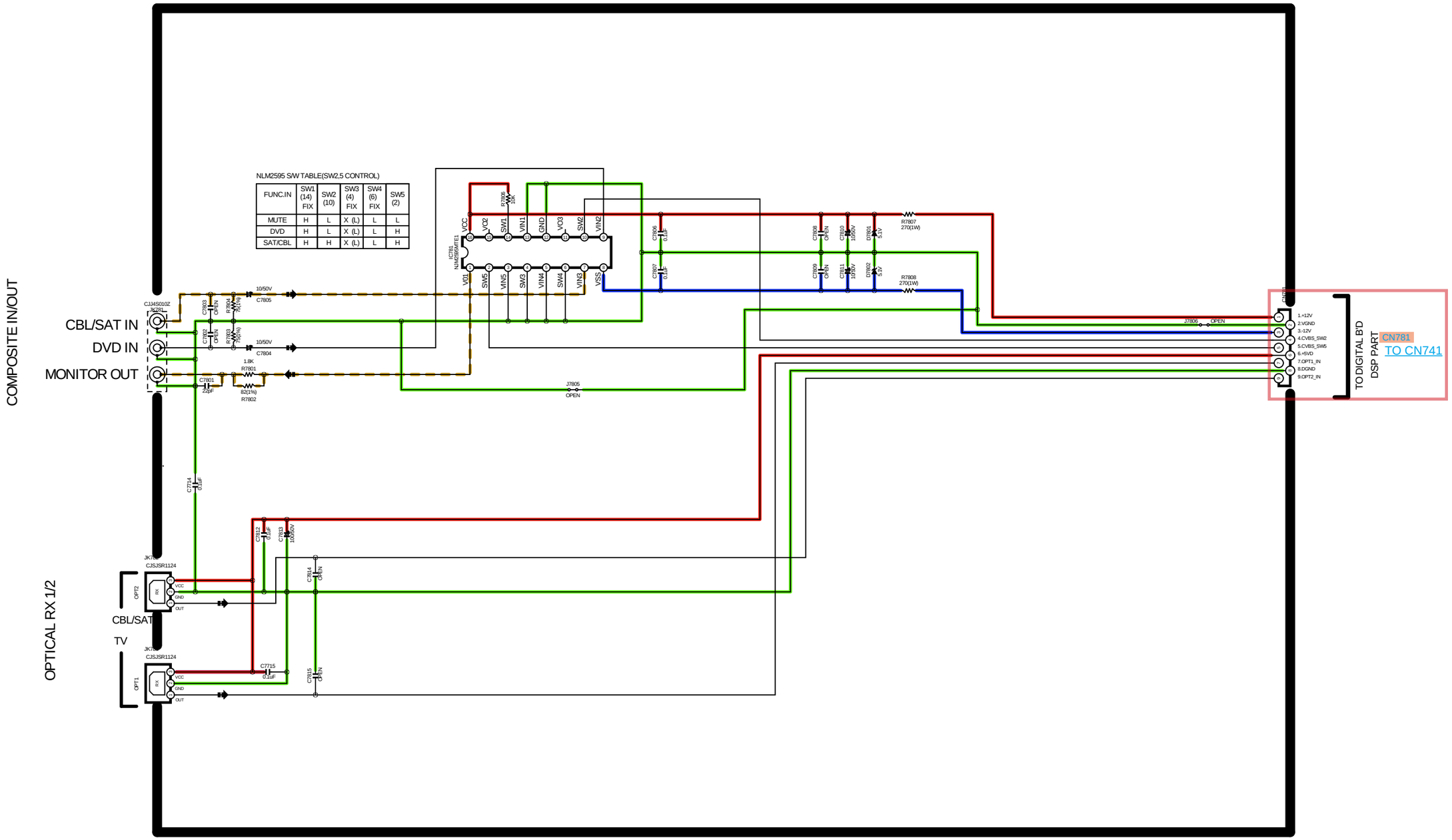



GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | STBY POWER

## SCHEMATIC DIAGRAMS (7/12)

**USB BT**

# VIDEO/OPTICAL PART

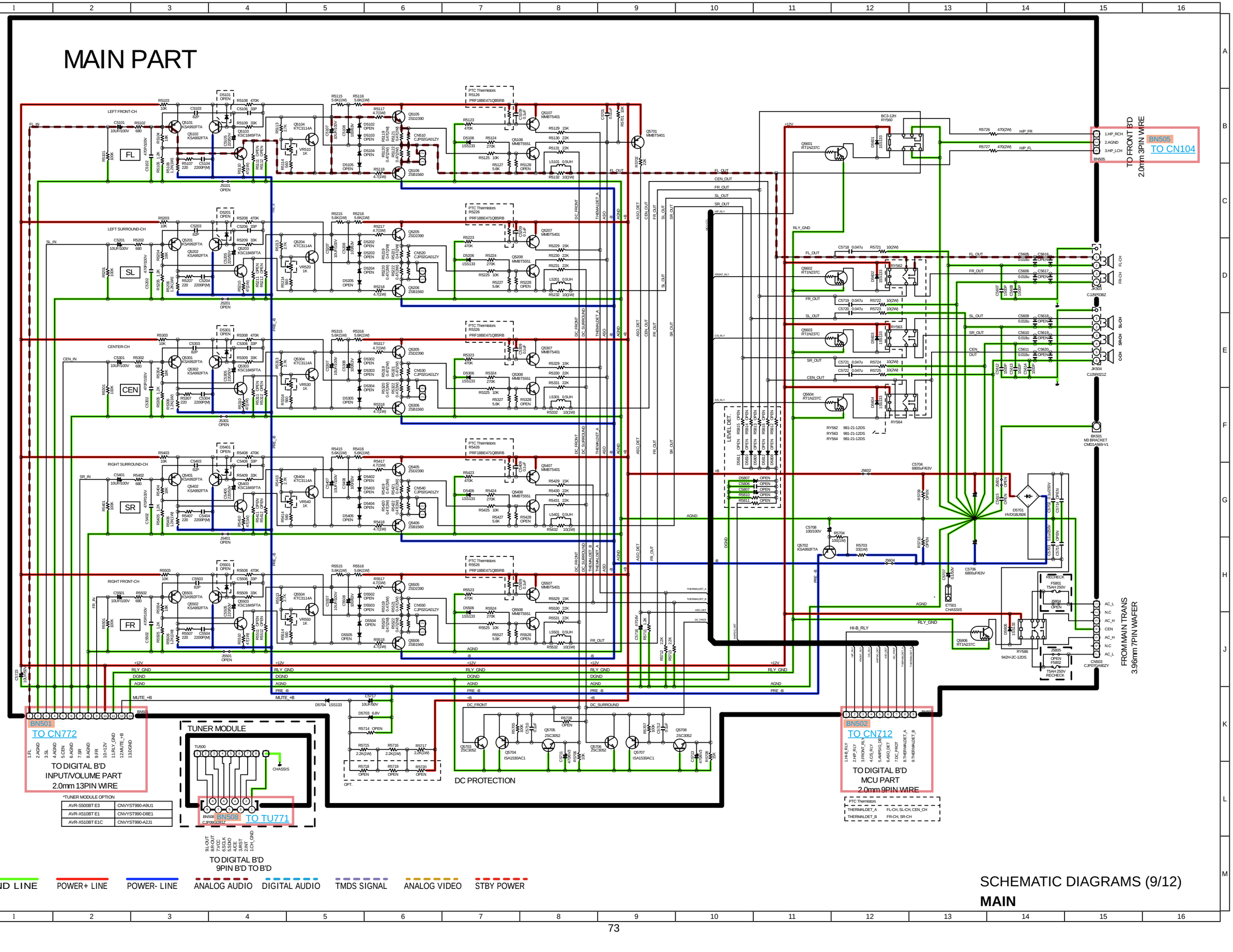



SCHEMATIC DIAGRAMS (8/12)

**VIDEO OPTICAL**

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

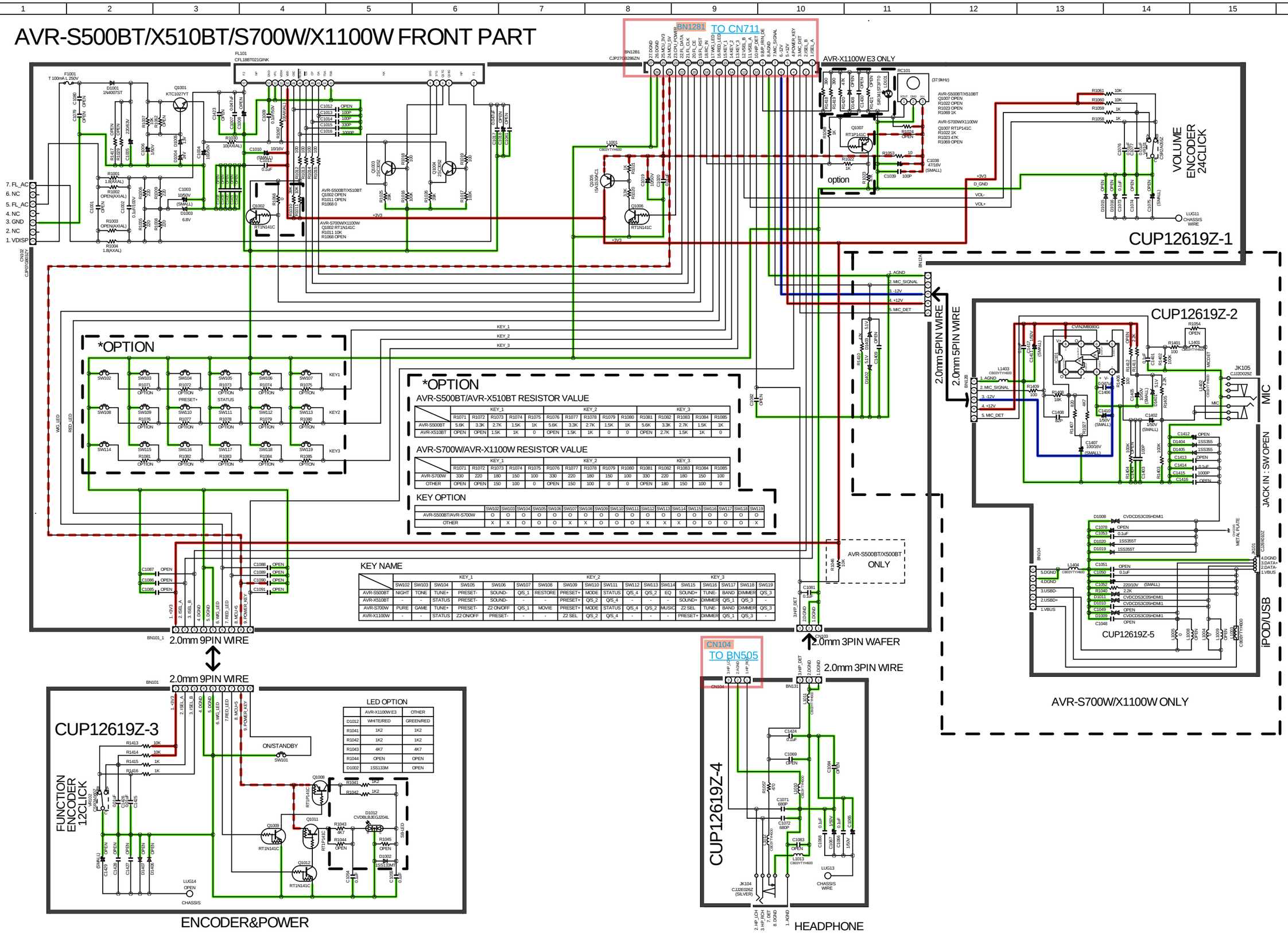
# MAIN PART




SCHEMATIC DIAGRAMS (9/12)

**MAIN**

# AVR-S500BT/X510BT/S700W/X1100W FRONT PART




### AVR-S500BT/AVR-X510BT RESISTOR VALUE

| | KEY_1 | | | | | KEY_2 | | | | | KEY_3 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | R1071 | R1072 | R1073 | R1074 | R1075 | R1076 | R1077 | R1078 | R1079 | R1080 | R1081 | R1082 | R1083 | R1084 | R1085 |
| AVR-S500BT | 5.6K | 3.3K | 2.7K | 1.5K | 1K | 5.6K | 3.3K | 2.7K | 1.5K | 1K | 5.6K | 3.3K | 2.7K | 1.5K | 1K |
| AVR-X510BT | OPEN | OPEN | 1.5K | 1K | 0 | OPEN | 1.5K | 1K | 0 | 0 | OPEN | 2.7K | 1.5K | 1K | 0 |

### AVR-S700W/AVR-X1100W RESISTOR VALUE

| | KEY_1 | | | | | KEY_2 | | | | | KEY_3 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | R1071 | R1072 | R1073 | R1074 | R1075 | R1076 | R1077 | R1078 | R1079 | R1080 | R1081 | R1082 | R1083 | R1084 | R1085 |
| AVR-S700W | 330 | 220 | 180 | 150 | 100 | 330 | 220 | 180 | 150 | 100 | 330 | 220 | 180 | 150 | 100 |
| OTHER | OPEN | OPEN | 150 | 100 | 0 | OPEN | 150 | 100 | 0 | 0 | OPEN | 180 | 150 | 100 | 0 |

### KEY OPTION

| | SW102 | SW103 | SW104 | SW105 | SW106 | SW107 | SW108 | SW109 | SW110 | SW111 | SW112 | SW113 | SW114 | SW115 | SW116 | SW117 | SW118 | SW119 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AVR-S500BT/AVR-S700W | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| OTHER | X | X | O | O | O | X | X | O | O | O | X | X | X | O | O | O | O | X |

### KEY NAME

| | KEY_1 | | | | | | KEY_2 | | | | | | KEY_3 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SW102 | SW103 | SW104 | SW105 | SW106 | SW107 | SW108 | SW109 | SW110 | SW111 | SW112 | SW113 | SW114 | SW115 | SW116 | SW117 | SW118 | SW119 |
| AVR-S500BT | NIGHT | TONE | TUNE+ | PRESET- | SOUND- | QS_1 | RESTORE | PRESET+ | MODE | STATUS | QS_4 | QS_2 | EQ | SOUND+ | TUNE- | BAND | DIMMER | QS_3 |
| AVR-X510BT | - | - | STATUS | PRESET- | SOUND- | - | - | PRESET+ | QS_2 | QS_4 | - | - | - | SOUND+ | DIMMER | QS_1 | QS_3 | - |
| AVR-S700W | PURE | GAME | TUNE+ | PRESET- | Z2 ON/OFF | QS_1 | MOVIE | PRESET+ | MODE | STATUS | QS_4 | QS_2 | MUSIC | Z2 SEL | TUNE- | BAND | DIMMER | QS_3 |
| AVR-X1100W | - | - | STATUS | Z2 ON/OFF | PRESET- | - | - | Z2 SEL | QS_2 | QS_4 | - | - | - | PRESET+ | DIMMER | QS_1 | QS_3 | - |

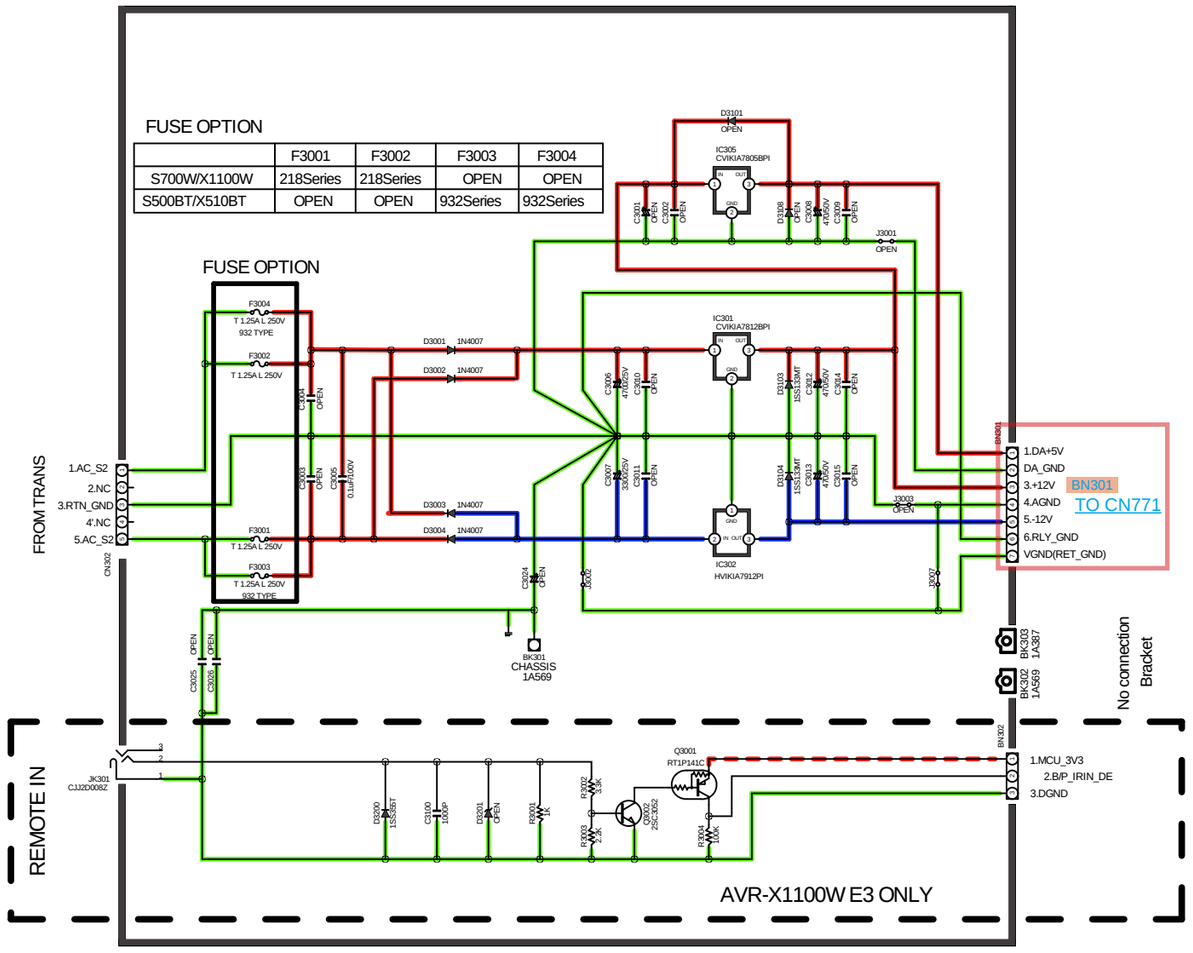
### LED OPTION

| | AVR-X1100W E3 | OTHER |
|---|---|---|
| D1012 | WHITE/RED | GREEN/RED |
| R1041 | 1K2 | 1K2 |
| R1042 | 1K2 | 1K2 |
| R1043 | 4K7 | 4K7 |
| R1044 | OPEN | OPEN |
| D1002 | 1SS133M | OPEN |

SCHEMATIC DIAGRAMS (10/12)

**FRONT**

# REGULATOR PART

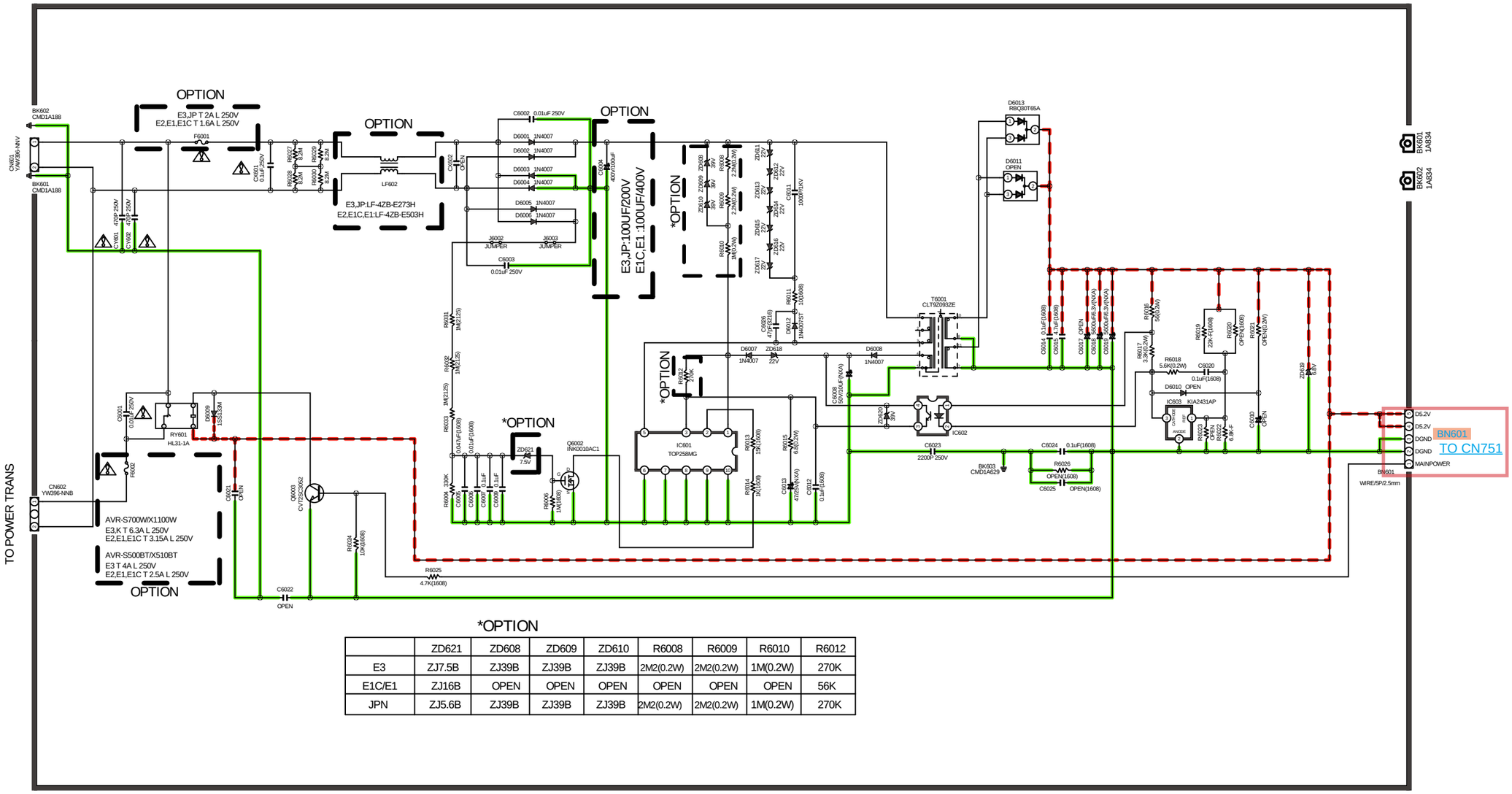



GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMDS SIGNAL ANALOG VIDEO STBY POWER

SCHEMATIC DIAGRAMS (11/12)

**REGULATOR**

# SMPS PART




*OPTION

| | ZD621 | ZD608 | ZD609 | ZD610 | R6008 | R6009 | R6010 | R6012 |
|---|---|---|---|---|---|---|---|---|
| E3 | ZJ7.5B | ZJ39B | ZJ39B | ZJ39B | 2M2(0.2W) | 2M2(0.2W) | 1M(0.2W) | 270K |
| E1C/E1 | ZJ16B | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 56K |
| JPN | ZJ5.6B | ZJ39B | ZJ39B | ZJ39B | 2M2(0.2W) | 2M2(0.2W) | 1M(0.2W) | 270K |

** IMPORTANT SAFETY NOTICE:
COMPONENT IDENTIFIED BY ⚠ HAVE SPECIAL CHARACTERISICS.
IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS
USE ONLY MANUFACTURER'S SPECIFIED PARTS.
** THE UNIT OF RESISTANCE IS OHM.
K = 1000 OHM. M = 1000KOHM.
** THE UNIT OF CAPACITANCE IS MICROFARAD(uF)
pF = 10 uF⁶
** THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANY TIME WITH THE
IMPROVEMENT OF PERFORMANCE.

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

SCHEMATIC DIAGRAMS (12/12)

**SMPS**

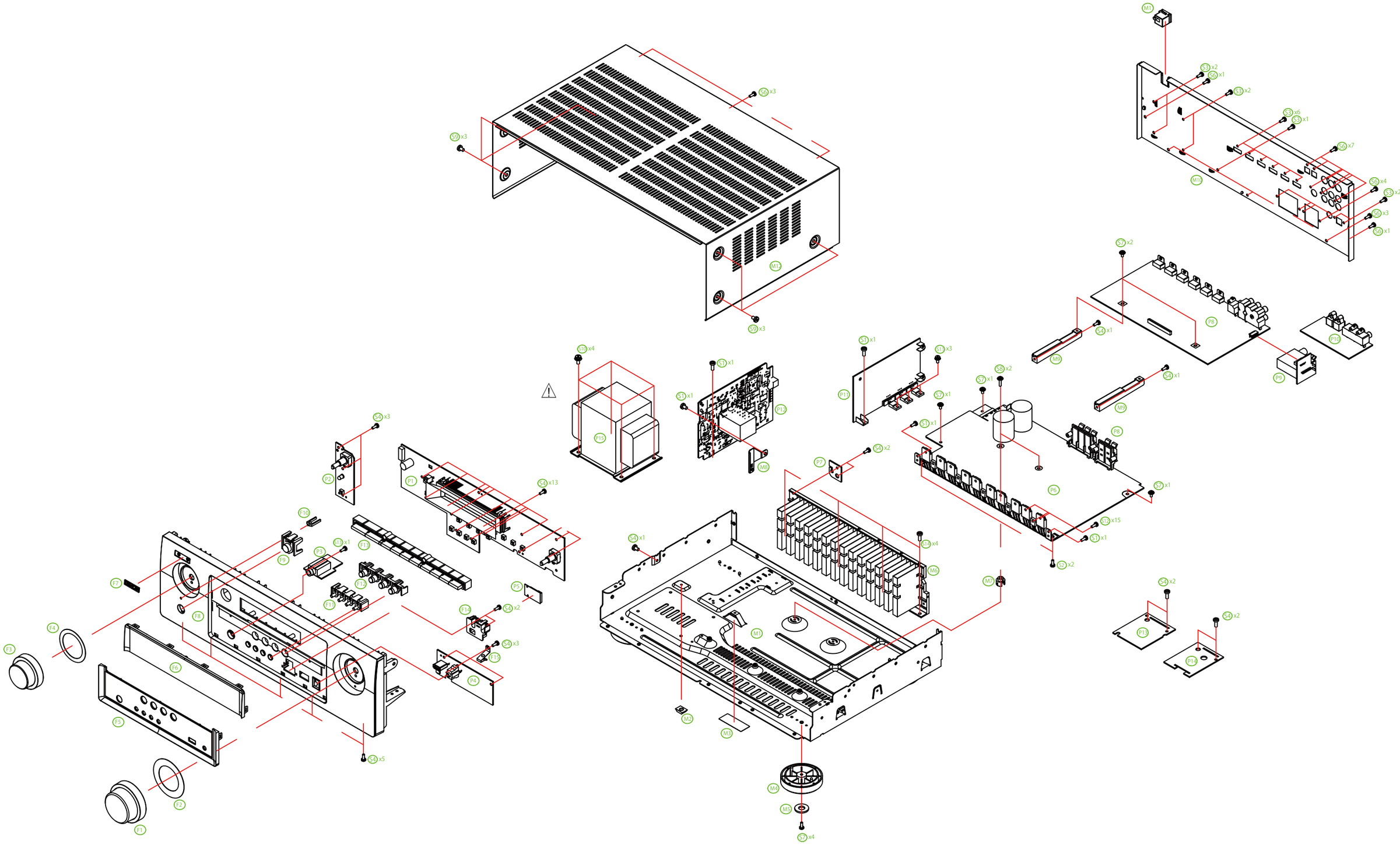
**Personal notes:**

**Personal notes:**

## EXPLODED VIEW AVR-S500BT

**See the last chapter the part list.**

# AVR-S500BTBKE3 EXPLODED VIEW

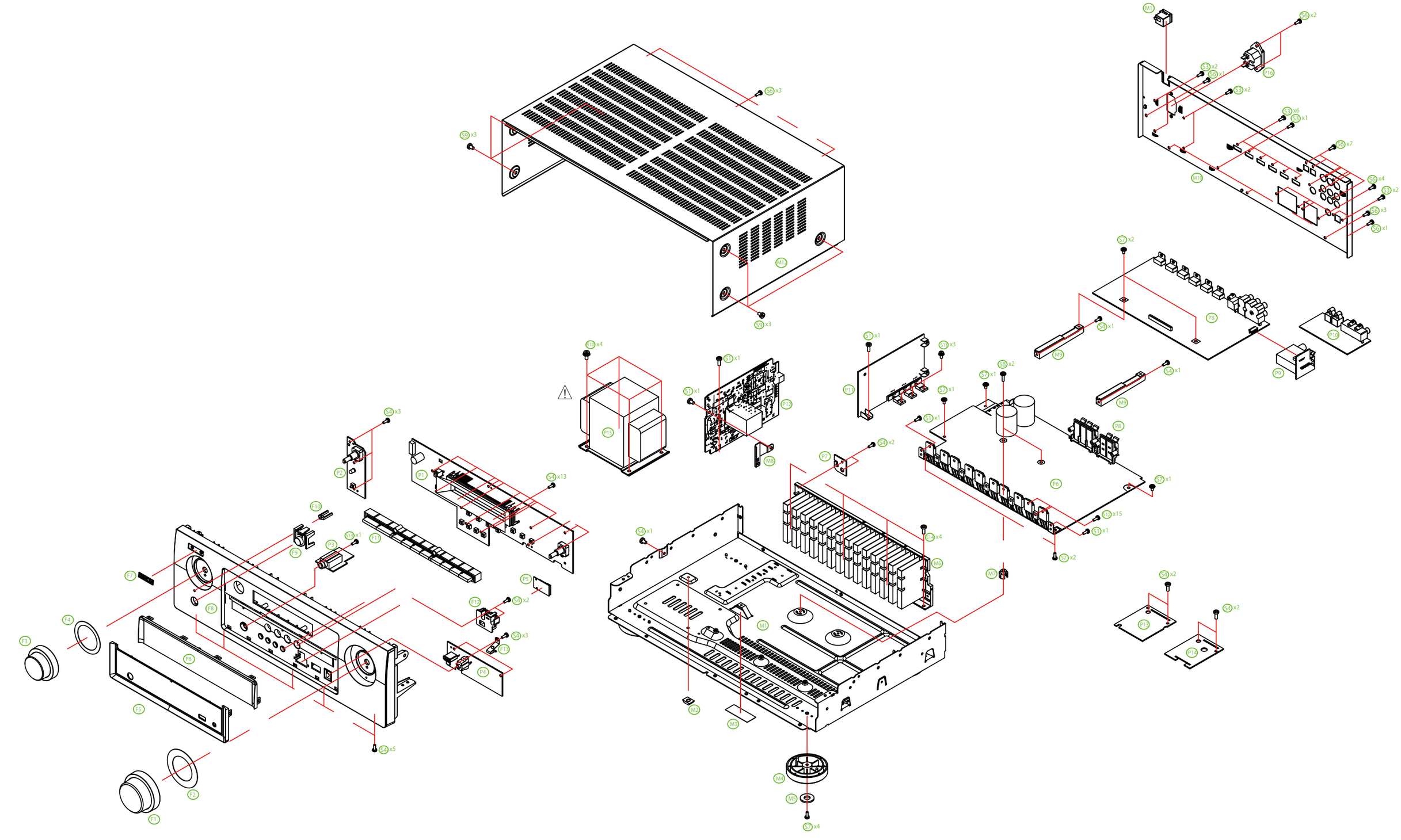



**WARNING:**
Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

## EXPLODED VIEW AVR-X510BT

**See the last chapter the part list.**

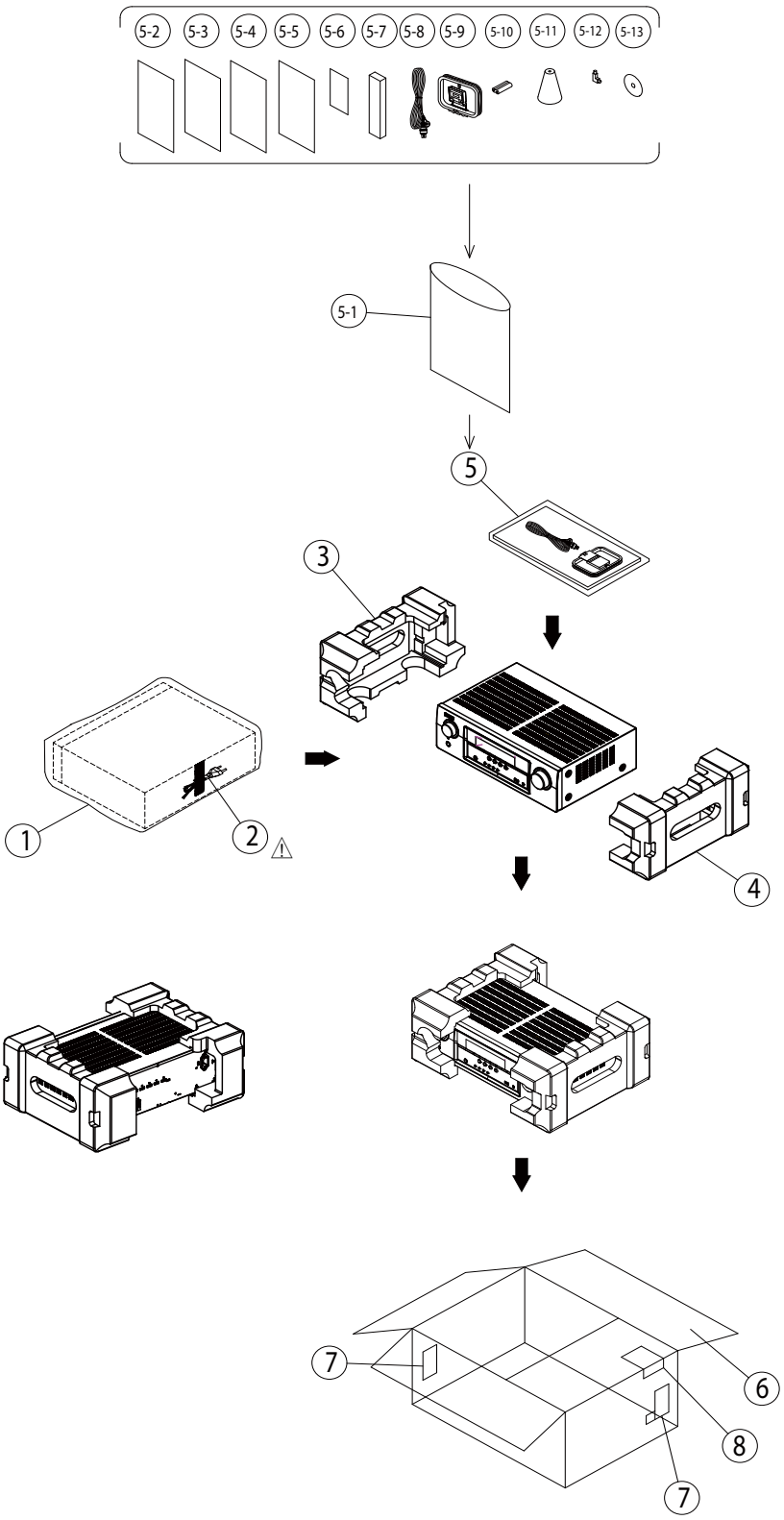
# AVR-X510BT EXPLODED VIEW




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

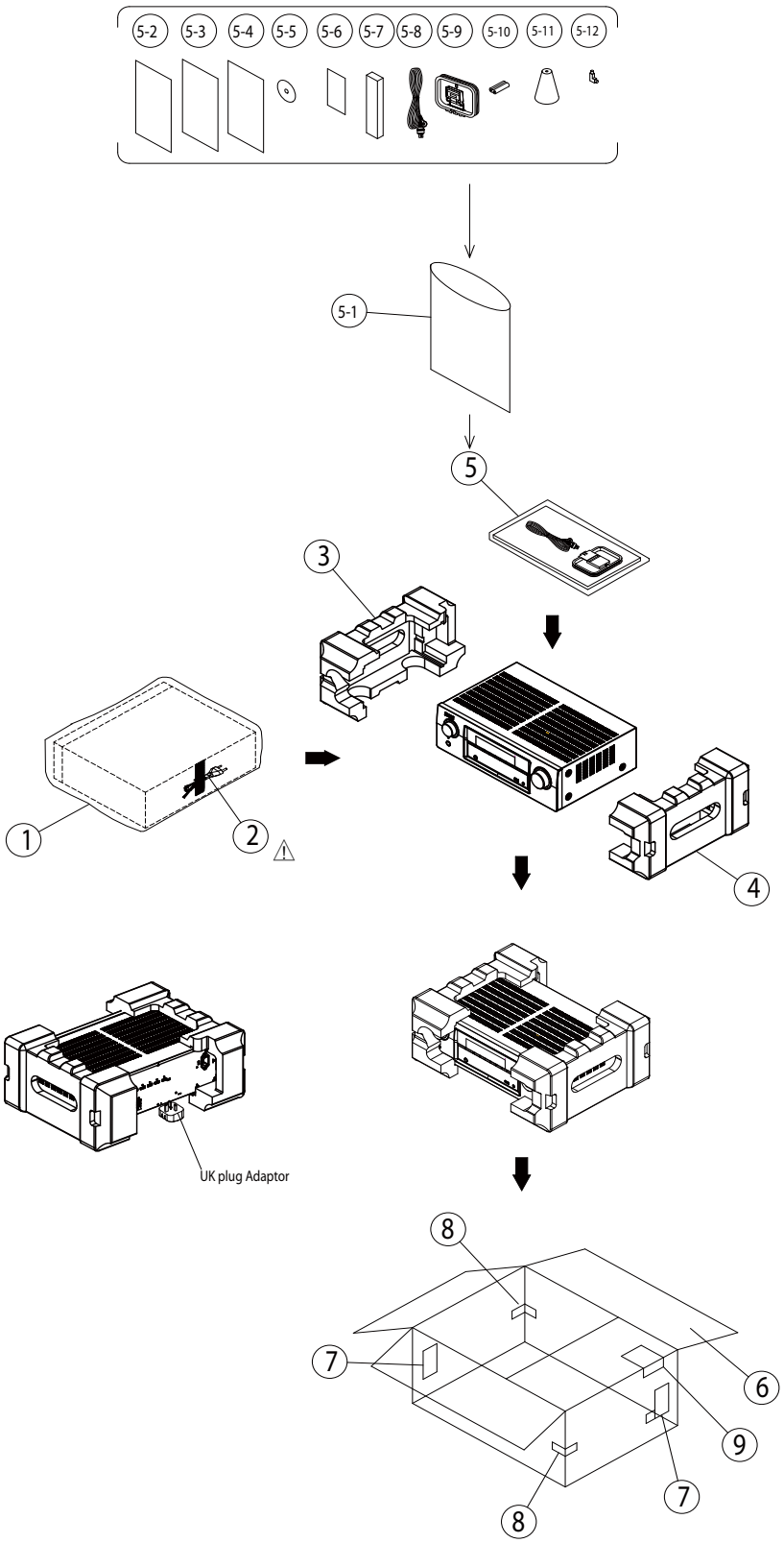
# PACKING VIEW AVR-S500BT

See the last chapter part numbers.



# PACKING VIEW AVR-X510BT

See the last chapter part numbers.

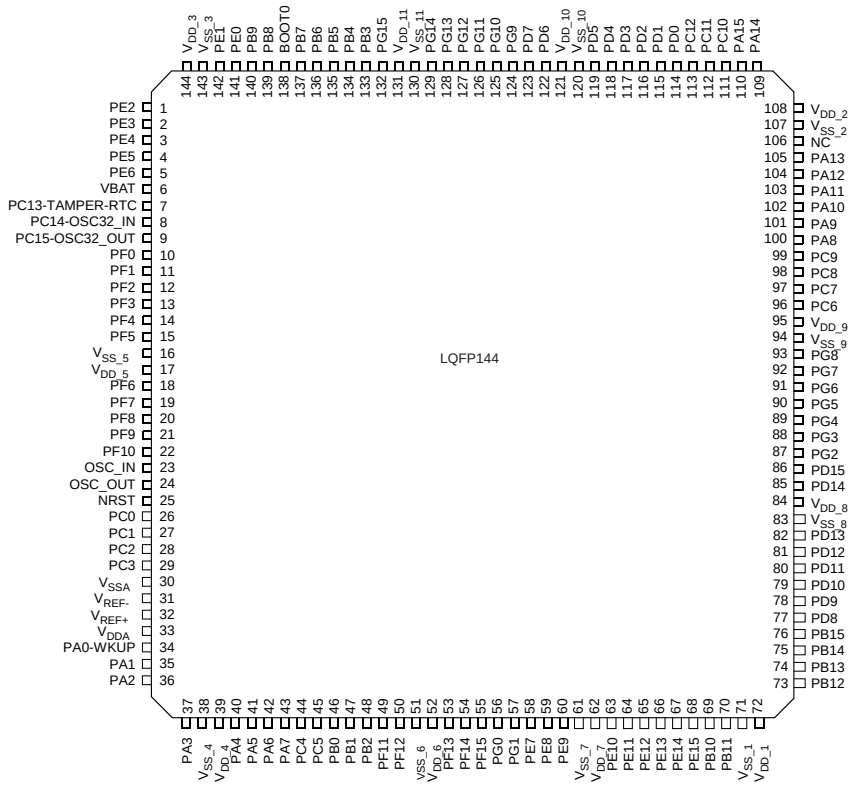


# SEMICONDUCTORS

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

## 1. IC's

### STM32F101ZE (DIGITAL MCU: IC711)




### STM32F101ZG Terminal Functions

| Pin | Pin Name | Symbol | I/O | Pullup | STBY | stop | Function |
|---|---|---|---|---|---|---|---|
| 1 | PE2 | DC_PROTECT | I | M3VPu | I | I | DC Protection detect |
| 2 | PE3 | USB_DAC_MUTE | O | - | O/L | O/L | USB_DAC_MUTE control |
| 3 | PE4 | POWER_DOWN | I | M3VPu | I | I | Power Down detect |
| 4 | PE5 | FRONT_RLY(SPK_RLY_ON) | O | - | O/L | O/L | Front SPK RLY control |
| 5 | PE6 | C/S_RLY | O | - | O/L | O/L | Surround SPK RLY control/Center SPK RLY control |
| 6 | VBAT | VBAT | - | - | - | - | 3.3V |
| 7 | PC13 | MIC_DET | I | - | O/L | O/L | MIC_DET detect |
| 8 | PC14 / OSC32_IN | OSC32_IN | - | - | - | - | |
| 9 | PC15 / OSC32_OUT | OSC32_OUT | - | - | - | - | |
| 10 | PF0 | ISEL_B | I | - | O/L | O/L | FUNCTION ENDORDER input(A) |
| 11 | PF1 | ISEL_A | I | - | O/L | O/L | FUNCTION ENDORDER input(B) |
| 12 | PF2 | HI-B RLY | O(L) | - | - | - | HI-B RLY control |
| 13 | PF3 | CVBS_SW2 | O | - | O/L | O/L | CVBS Video SW2 control |
| 14 | PF4 | CVBS_SW5 | O | - | O/L | O/L | CVBS Video SW5 control |
| 15 | PF5 | NC | O(L) | - | - | - | NC |
| 16 | VSS_5 | | - | - | - | - | GND fixed |
| 17 | VDD_5 | | - | - | - | - | 3.3V |
| 18 | PF6 | TEST PORT#1 | I/O | - | - | - | TEST PORT#1(FOR SOFT DEBUG) |
| 19 | PF7 | USB_EN | O | - | O/L | O/L | USB_CURRENT IC control |
| 20 | PF8 | HDMI2 SW | I | - | O/L | O/L | HDMI output control |
| 21 | PF9 | MAIN_VOL_DATA | O | - | O/L | O/L | Volume Data line |
| 22 | PF10 | MAIN_VOL_CLK | O | - | O/L | O/L | Volume CLK line |
| 23 | PH0 / OSC_IN | XTAL_IN | I | - | - | - | 8Mhz Xtal |
| 24 | PH1 / OSD_OUT | XTAL_OUT | O | - | - | - | 8Mhz Xtal |
| 25 | NRST | RESET | I | - | - | - | RESET |
| 26 | PC0 | KEY1 | I | M3VPu | I | I | KEY1 input |
| 27 | PC1 | KEY2 | I | M3VPu | I | I | KEY2 input |
| 28 | PC2 | KEY3 | I | M3VPu | I | I | KEY3 input |

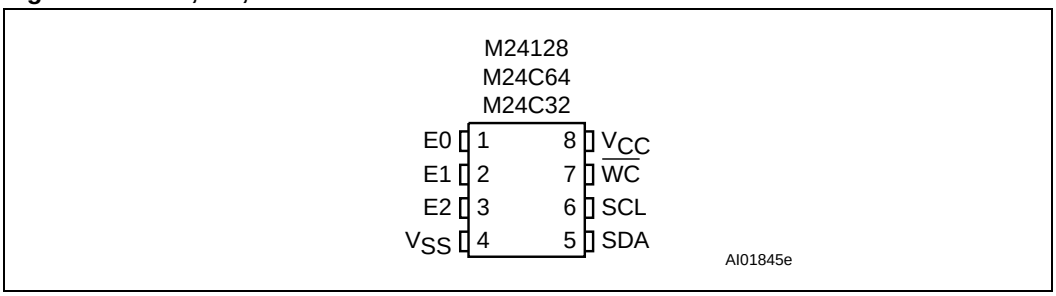
| Pin | Pin Name | Symbol | I/O | Pullup | STBY | stop | Function |
|---|---|---|---|---|---|---|---|
| 29 | PC3 | OPTION | I | M3VPu | I | I | MODEL OPTION |
| 30 | VSSA | | - | - | - | - | GND fixed |
| 31 | VREF- | | - | - | - | - | GND fixed |
| 32 | VREF+ | | - | - | - | - | 3.3V |
| 33 | VDDA | | - | - | - | - | 3.3V |
| 34 | PA0 / WKUP | AUDIO LEVEL DET | I | - | O/L | O/L | AUDIO LEVEL DETECT |
| 35 | PA1 | USB_RESET | O | - | O/L | O/L | BX8804(USB DECORDER) RESET control |
| 36 | PA2 | USB_RX | O | - | O/L | O/L | BX8804(USB DECORDER) RX control |
| 37 | PA3 | USB_TX | I | - | O/L | O/L | BX8804(USB DECORDER) TX control |
| 38 | VSS_4 | | - | - | - | - | GND fixed |
| 39 | VDD_4 | | - | - | - | - | 3.3V |
| 40 | PA4 | DSP_CS | O | - | O/L | O/L | DSP Chip Select |
| 41 | PA5 | DSP_CLK | O | D3VPu | O/L | O/L | DSP_CLK |
| 42 | PA6 | DSP_MISO | I | D3VPu | O/L | O/L | DSP MISO |
| 43 | PA7 | DSP_MOSI | O | - | O/L | O/L | DSP MOSI |
| 44 | PC4 | HPD4 | O | - | O/L | O/L | HDMI INPUT4 HOT PLUG CONTROL |
| 45 | PC5 | HPD5 | O | - | O/L | O/L | HDMI INPUT4 HOT PLUG CONTROL |
| 46 | PB0 | DIR_MISO | I | - | O/L | O/L | DIR_MISO |
| 47 | PB1 | DIR_CLK | O | D3VPu | O/L | O/L | DIR_CLK(separated from AVR1312 DSP_CLK) |
| 48 | PB2 / BOOT1 | BOOT1 | I | - | - | - | GND fixed |
| 49 | PF11 | DIR_MOSI | O | - | O/L | O/L | DIR MOSI(separated from AVR1312 DSP_MOSI) |
| 50 | PF12 | DSP_RST | O | - | O/L | O/L | DSP Reset control |
| 51 | VSS_6 | | - | - | - | - | GND fixed |
| 52 | VDD_6 | | - | - | - | - | 3.3V |
| 53 | PF13 | DSP_MODE_SEL | I/O | PullDown | O/L | O/L | DSP_MODE_SEL |
| 54 | PF14 | CODEC_MUTE | I(FT) | - | O/L | O/L | CODEC Mute Detect (*FT = 5V tolerant) |
| 55 | PF15 | DIR_RST | O | - | O/L | O/L | DIR Reset |
| 56 | PG0 | DIR_CE | O | - | O/L | O/L | DIR Chip Select |
| 57 | PG1 | DSP_SPC1_IRQ | I | D3VPu | O/L | O/L | DSP INTERRRUPTQ |
| 58 | PE7 | DSP_PCP_BSY | I | D3VPu | O/L | O/L | DSP BSY |
| 59 | PE8 | CEC_POWER | O | - | O/L | O/L | CEC_POWER TIMING control |
| 60 | PE9 | HDMI_SW | O | - | O/L | O/L | HDMI Audio Data MCLK Select SW |
| 61 | VSS_7 | | - | - | - | - | GND fixed |
| 62 | VDD_7 | | - | - | - | - | 3.3V |
| 63 | PE10 | DV5_POWER | O | - | O/L | O/L | DV5_POWER TIMING control |
| 64 | PE11 | HDMI_SPI_MISO | I | - | I | O/L | HDMI OSD DATA input |
| 65 | PE12 | HDMI_SPI_MOSI | O | - | O/L | O/L | HDMI OSD DATA output |
| 66 | PE13 | HDMI_SPI_CS | O | +3VHPu | O/L | O/L | HDMI OSD Chip Select |
| 67 | PE14 | HDMI_SPI_CLK | O | - | O/L | O/L | HDMI OSD Clock |
| 68 | PE15 | HDMI_SPI_HOLD | O | - | O/L | O/L | HDMI OSD HOLD |
| 69 | PB10 | HDMI_RST | O | - | O/L | O/L | ADV7623_Reset control |
| 70 | PB11 | TEST PORT#2 | I/O | - | - | - | TEST PORT#2(FOR SOFT DEBUG) |
| 71 | VSS_1 | | - | - | - | - | GND fixed |
| 72 | VDD_1 | | - | - | - | - | 3.3V |
| 73 | PB12 | DA_POWER | O | - | O/L | O/L | DA_POWER TIMING control |
| 74 | PB13 | USB_POWER1 | O | - | O/L | O/L | USB_POWER1(1.2V) TIMING control |
| 75 | PB14 | HDMI_INT_TX_7623 | I | +3VHPu | I | O/L | HDMI INT TX interrupt |
| 76 | PB15 | USB_POWER2 | O | - | O/L | O/L | USB_POWER1(3.3V) TIMING control |
| 77 | PD8 | TEST PORT#3 | I/O | - | O/L | O/L | TEST PORT#3(FOR SOFT DEBUG) |
| 78 | PD9 | DV_POWER | O | - | O/L | O/L | DV_POWER TIMING control |
| 79 | PD10 | CEC_OUT | O | - | O/L | O/L | Reserved NC(STANDBY CEC MODE control) |
| 80 | $\overline{\text{PD11}}$ | HDMI_INT | I | +3VHPu | I | O/L | HDMI INT interrupt |
| 81 | PD12 | HDMI_INT2 | I | +3VHPu | I | O/L | HDMI INT2 intreeupt |
| 82 | $\overline{\text{PD13}}$ | $\overline{\text{HDMI_SDA}}$ | I/O | +3VHPu | O/L | O/L | HDMI SDATA |
| 83 | VSS_8 | | - | - | - | - | GND fixed |
| 84 | VDD_8 | | - | - | - | - | 3.3V |
| 85 | PD14 | HDMI_SCL | O | - | O/L | O/L | HDMI SCL |
| 86 | PD15 | PWR_FAIL_PROTECT | I | M3VPu | O/L | O/L | +12V/-12V CHECK PROTECTION |
| 87 | PG2 | THERMALDET_B | I | M3VPu | O/L | O/L | TEMPERATURE PROTECTION |
| 88 | PG3 | THERMALDET_A | I | M3VPu | O/L | O/L | TEMPERATURE PROTECTION |
| 89 | PG4 | ASO_DET | I | M3VPu | O/L | O/L | ASO_DETECT |
| 90 | PG5 | MAIN_POWER | O | - | O/L | O/L | POWER RELAY control |
| 91 | PG6 | CPU_POWER | O | - | O/L | O/L | MCU POWER PULL UP SWITCHING |
| 92 | PG7 | VOL+ | I | - | O/L | O/L | VOLUME UP |
| 93 | PG8 | VOL- | I | - | O/L | O/L | VOLUME DOWN |
| 94 | VSS_9 | | - | - | - | - | GND fixed |

| Pin | Pin Name | Symbol | I/O | Pullup | STBY | stop | Function |
|---|---|---|---|---|---|---|---|
| 95 | VDD_9 | | - | - | - | - | 3.3V |
| 96 | PC6 | CEC_POWER2 | O | - | O/L | O/L | CEC_POWER2 TIMING control |
| 97 | PC7 | VFD_CE | O | - | O/L | O/L | VFD_CE |
| 98 | PC8 | VFD_CLK | O | - | O/L | O/L | VFD_CLK |
| 99 | PC9 | DSP POWER | O(L) | - | - | - | DSP power cotrol |
| 100 | PA8 | VFD_DATA | O | - | O/L | O/L | VFD_DATA |
| 101 | PA9 | UPDATE_TX | O | - | O/L | O/L | UPDATE TX |
| 102 | PA10 | UPDATE_RX | I | - | I | O/L | UPDATE RX |
| 103 | PA11 | NC | O | - | - | - | |
| 104 | PA12 | NC | O | - | - | - | HDMI INPUT#5_5V DETECT(OPEN) |
| 105 | PA13 | DEBUG | I | - | - | - | JTMS / SWDIO |
| 106 | PCAP_2 | | - | - | - | - | Not Connected |
| 107 | VSS_2 | | - | - | - | - | GND fixed |
| 108 | VDD_2 | | - | - | - | - | 3.3V |
| 109 | PA14 | DEBUG | I | - | - | - | JTCK / SWCLK |
| 110 | PA15 | DEBUG | I | - | - | - | JTDI |
| 111 | PC10 | MN864778_HINT | I | - | O/L | O/L | MN864778_HDMI INTERRUPT |
| 112 | PC11 | MN864778_HAINT | I | - | O/L | O/L | MN864778_HDMI AUDIO INTERRUPT |
| 113 | PC12 | HDMI_DEBUG_TX | O | - | O/L | O/L | HDMI DEBUG TX |
| 114 | PD0 | VFD_RST | O | - | O/L | O/L | VFD_RESET(Low Active) |
| 115 | PD1 | HP_RLY | O | - | O/L | O/L | H/P RLY control |
| 116 | PD2 | HDMI_DEBUG_RX | I | - | I | O/L | HDMI DEBUG RX |
| 117 | PD3 | WAKE_UP | I | M3VPu | I | I | WAKE UP |
| 118 | PD4 | HP_DET | I | M3VPu | O/L | O/L | H/P DETECT |
| 119 | PD5 | GRN_LED | O | - | O/L | O/L | 2COLOR LED GREEN |
| 120 | VSS_10 | | - | - | - | - | GND fixed |
| 121 | VDD_10 | | - | - | - | - | 3.3V |
| 122 | PD6 | MN864778_SCL | O | - | - | O/L | MN864778_I2C_SCL |
| 123 | PD7 | REMOTE_IN | I | - | I | O/L | REMOTE input (invert as AVR1312) |
| 124 | PG9 | MN864778_SDA | I/O | - | - | O/L | MN864778_I2C_SDA |
| 125 | PG10 | EEPROM_SDA | I/O | M3VPu | I | O/L | EEPROM SDA |
| 126 | PG11 | EEPROM_SCL | O | M3VPu | O/L | O/L | EEPROM SCL |
| 127 | PG12 | DAC_MUTE | O | - | O/L | O/L | NC(DAC Mute control) |
| 128 | PG13 | TUNER_SCLK | O | - | O/L | O/L | TUNER SCLK |
| 129 | PG14 | TUNER_SDIO | I/O | - | O/L | O/L | TUNER SDIO |
| 130 | VSS_11 | | - | - | - | - | GND fixed |
| 131 | VDD_11 | | - | - | - | - | 3.3V |
| 132 | PG15 | MN864778_RST | O | - | O/L | O/L | MN864778_RESET |
| 133 | PB3 | DEBUG | O | - | - | - | JTDO / TRACESWO |
| 134 | PB4 | DEBUG | I | - | - | - | NJTRST |
| 135 | PB5 | SUB MUTE | O | - | O/L | O/L | Sub Woofer MUTE |
| 136 | PB6 | CEC_CTL1 | O(L) | - | - | - | CEC IN_CEC_CTL1 |
| 137 | PB7 | CEC_CTL2 | O(L) | - | - | - | CEC IN_CEC_CTL2 |
| 138 | BOOT0 | BOOT0 | I | PullDown | I | I | UPDATE BOOT (HIGH:UPDATE / LOW:NORMAL MODE) |
| 139 | PB8 | TUNER_CE | O | - | O/L | O/L | TUNER CE |
| 140 | PB9 | TUNER_INT | I | - | I | O/L | TUNER INTERRUPT |
| 141 | PE0 | TUNER_RST | O | - | O/L | O/L | TUNER Reset control |
| 142 | PE1 | RED_LED | O | - | O/L | O/L | 2COLOR LED RED |
| 143 | VSS_3 | | - | - | - | - | GNDfixed |
| 144 | VDD_3 | | - | - | - | - | 3.3V |

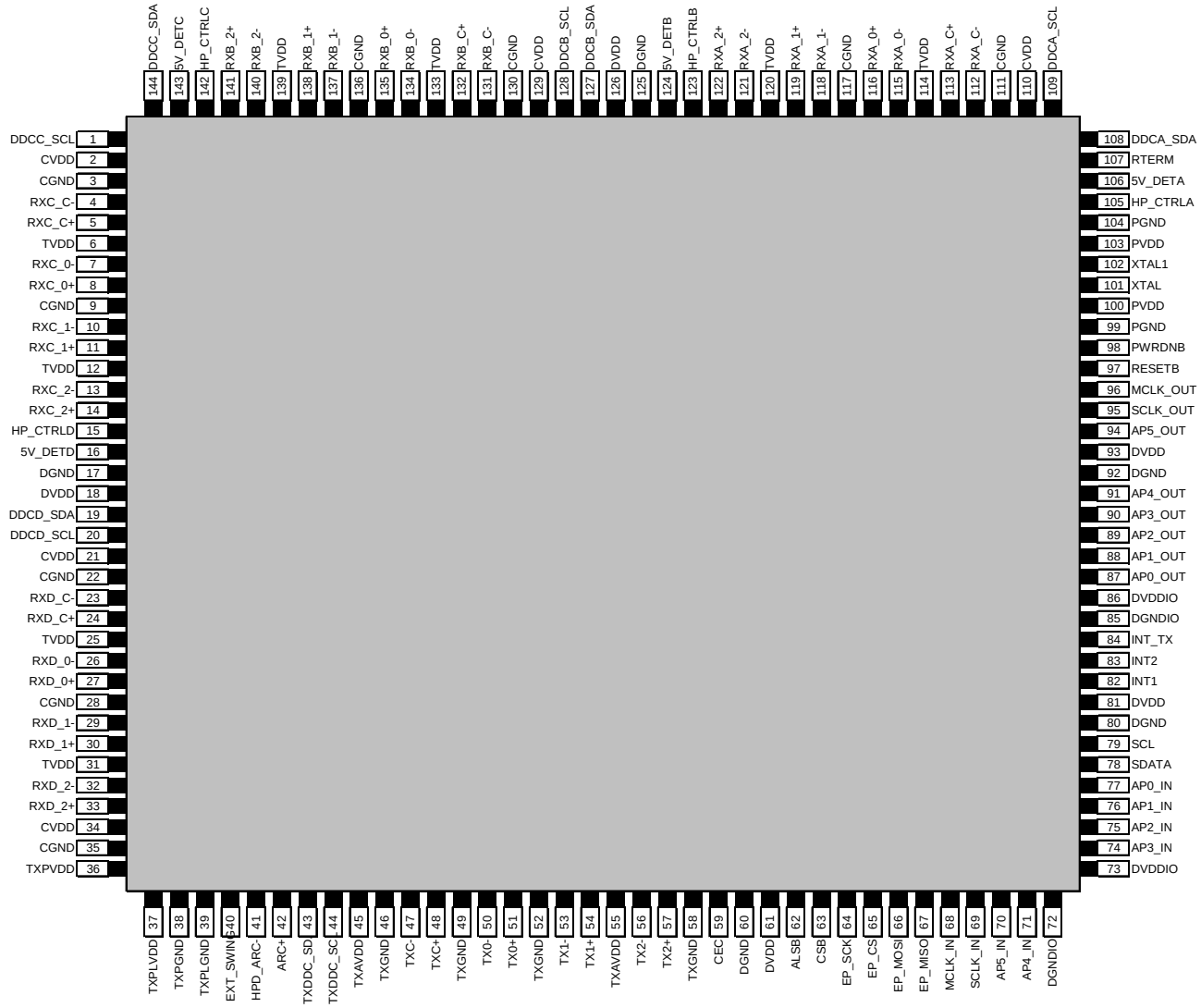
## M24C32WMN6TP (DIGITAL : IC712)

| Signal name | Function | Direction |
|---|---|---|
| E0, E1, E2 | Chip Enable | Input |
| SDA | Serial Data | I/O |
| SCL | Serial Clock | Input |
| WC | Write Control | Input |
| $V_{CC}$ | Supply voltage | |
| $V_{SS}$ | Ground | |

**Figure 2. DIP, SO, TSSOP and UFDFPN connections**




## ADV7623 (DIGITAL : IC721)



**ADV7623 Terminal Functions**

| Location | Mnemonic | Type | Description |
|---|---|---|---|
| 1 | DDCC_SCL | Digital Input | HDCP slave serial clock port C. DDCC_SCL is a 3.3 V input that is 5 V tolerant. |
| 2 | CVDD | Power | Receiver comparator supply voltage (1.8V) |
| 3 | CGND | Ground | TVDD and CVDD Ground |
| 4 | RXC_C- | HDMI Input | Digital input clock Complement of port C in the HDMI interface. |
| 5 | RXC_C+ | HDMI Input | Digital input clock True of port C in the HDMI interface. |
| 6 | TVDD | Power | Receiver terminator supply voltage (3.3 V) |
| 7 | RXC_0- | HDMI Input | Digital input channel 0 Complement of port C in the HDMI interface. |
| 8 | RXC_0+ | HDMI Input | Digital input channel 0 True of port C in the HDMI interface. |
| 9 | CGND | Ground | TVDD and CVDD Ground |
| 10 | RXC_1- | HDMI Input | Digital input channel 1 Complement of port C in the HDMI interface. |
| 11 | RXC_1+ | HDMI Input | Digital input channel 1 True of port C in the HDMI interface. |
| 12 | TVDD | Power | Receiver terminator supply voltage (3.3 V) |
| 13 | RXC_2- | HDMI Input | Digital input channel 2 Complement of port C in the HDMI interface. |
| 14 | RXC_2+ | HDMI Input | Digital input channel 2 True of port C in the HDMI interface. |
| 15 | HP_CTRLD | Digital Output | Hot Plug Detect for Port D. |
| 16 | 5V_DETD | Digital Input | 5 V detect pin for port D in the HDMI interface. |
| 17 | DGND | Ground | Ground for DVDD |
| 18 | DVDD | Power | Digital supply voltage (1.8 V) |
| 19 | DDCD_SDA | Digital I/O | HDCP slave serial data ports D. DDCD_SDA is a 3.3 V input/output that is 5 V tolerant. |
| 20 | DDCD_SCL | Digital Input | HDCP slave serial clock port D. DDCD_SCL is a 3.3 V input that is 5 V tolerant. |
| 21 | CVDD | Power | Receiver comparator supply voltage (1.8V) |
| 22 | CGND | Ground | TVDD and CVDD Ground |
| 23 | RXD_C- | HDMI Input | Digital input clock Complement of port D in the HDMI interface. |
| 24 | RXD_C+ | HDMI Input | Digital input clock True of port D in the HDMI interface. |
| 25 | TVDD | Power | Receiver terminator supply voltage (3.3 V) |
| 26 | RXD_0- | HDMI Input | Digital input channel 0 Complement of port |

| Location | Mnemonic | Type | Description |
|---|---|---|---|
| | | | D in the HDMI interface. |
| 27 | RXD_0+ | HDMI Input | Digital input channel 0 True of port D in the HDMI interface. |
| 28 | CGND | Ground | TVDD and CVDD Ground |
| 29 | RXD_1- | HDMI Input | Digital input channel 1 complement of port D in the HDMI interface. |
| 30 | RXD_1+ | HDMI Input | Digital input channel 1 true of port D in the HDMI interface. |
| 31 | TVDD | Power | Receiver terminator supply voltage (3.3 V) |
| 32 | RXD_2- | HDMI Input | Digital input channel 2 complement of port D in the HDMI interface. |
| 33 | RXD_2+ | HDMI Input | Digital input channel 2 true of port D in the HDMI interface. |
| 34 | CVDD | Power | Receiver comparator supply voltage (1.8V) |
| 35 | CGND | Ground | TVDD and CVDD Ground |
| 36 | TXPVDD | Power | 1.8 V Power Supply for Digital and I/O Power Supply. These pins supply power to the digital logic and I/Os. They should be filtered and as quiet as possible. |
| 37 | TXPLVDD | Power | 1.8 V Power Supply. |
| 38 | TXGND | Ground | TXPVDD Ground |
| 39 | TXPGND | Ground | TXPLVDD Ground |
| 40 | EXT_SWING | Analog Input | Sets Internal Reference Currents. Place 887 Ω resistor (1% tolerance) between this pin and ground. |
| 41 | HPD_ARC- | Analog Input | Hot Plug Detect Signal. This indicates to the interface whether the receiver is connected. Supports 1.8 V to 5.0V CMOS logic levels. |
| 42 | ARC+ | Analog Input | Audio return channel input |
| 43 | TXDDC_SDA | Digital I/O | Serial Port Data I/O to Receiver. This pin serves as the master to the DDC bus. Supports a 5 V CMOS logic level. |
| 44 | TXDDC_SCL | Digital Input | Serial Port Data Clock to Receiver. This pin serves as the master clock for the DDC bus. Supports a 5 V CMOS logic level. |
| 45 | TXAVDD | Power | 1.8V power supply for TMDS outputs |
| 46 | TXGND | Ground | TXAVDD Ground |
| 47 | TXC- | HDMI Output | Differential Clock Output. Differential clock output at the TMDS clock rate; supports TMDS logic level. |
| 48 | TXC+ | HDMI Output | Differential Clock Output. Differential clock output at the TMDS clock rate; supports TMDS logic level. |

| Location | Mnemonic | Type | Description |
|---|---|---|---|
| 49 | TXGND | Ground | TXAVDD Ground |
| 50 | TX0- | HDMI Output | Differential Output Channel 0 Complement. Differential output of the red data at 10× the pixel clock rate; supports TMDS logic level. |
| 51 | TX0+ | HDMI Output | Differential Output Channel 0 True. Differential output of the red data at 10× the pixel clock rate; supports TMDS logic level. |
| 52 | TXGND | Ground | TXAVDD Ground |
| 53 | TX1- | HDMI Output | Differential Output Channel 1 Complement. Differential output of the red data at 10× the pixel clock rate; supports TMDS logic level. |
| 54 | TX1+ | HDMI Output | Differential Output Channel 1 True. Differential output of the red data at 10× the pixel clock rate; supports TMDS logic level. |
| 55 | TXAVDD | Power | 1.8V power supply for TMDS outputs |
| 56 | TX2- | HDMI Output | Differential Output Channel 2 Complement. Differential output of the red data at 10× the pixel clock rate; supports TMDS logic level. |
| 57 | TX2+ | HDMI Output | Differential Output Channel 2 True. Differential output of the red data at 10× the pixel clock rate; supports TMDS logic level. |
| 58 | TXGND | Ground | TXAVDD Ground |
| 59 | CEC | Digital I/O | Consumer electronic control channel. |
| 60 | DGND | Ground | Ground for DVDD |
| 61 | DVDD | Power | Digital supply voltage (1.8 V) |
| 62 | ALSB | Digital Input | This pin is used to set I2C address of the Rx IO and the Tx Main Map. |
| 63 | CSB | Digital Input | Chip Select pin. This pin must be set low or left floating for the chip to process I2C messages that are destined to the ADV7623. The ADV7623 ignores I2C messages which he receives if this pin is high. |
| 64 | EP_SCK | Digital Output | SPI clock interface for the EDID/OSD |
| 65 | EP_CS | Digital Output | SPI chip selected interface for the EDID/OSD |
| 66 | EP_MOSI | Digital Output | SPI master out/slave in for the EDID/OSD |
| 67 | EP_MISO | Digital Input | SPI master in/slave out for the EDID/OSD |

| Location | Mnemonic | Type | Description |
|---|---|---|---|
| 68 | MCLK_IN | Digital Input | Audio Reference Clock. 128 × N × fs with N = 1, 2, 3, or 4. Set to 128 × sampling frequency (fs), 256 × fs, 384 × fs, or 512 × fs. Supports 1.8 V to 3.3 V CMOS logic levels. |
| 69 | SCLK_IN | Digital Input | I2S Audio Clock. Supports CMOS logic levels from 1.8 V to 3.3 V. |
| 70 | AP5_IN | Digital Input | Audio Input Port 5. CMOS logic levels from 1.8 V to 3.3 V. |
| 71 | AP4_IN | Digital Input | Audio Input Port 4. CMOS logic levels from 1.8 V to 3.3 V. |
| 72 | DGNDIO | Ground | Ground for DVDDIO |
| 73 | DVDDIO | Power | Digital I/O supply voltage (3.3 V) |
| 74 | AP3_IN | Digital Input | Audio Input Port 3. CMOS logic levels from 1.8 V to 3.3 V. |
| 75 | AP2_IN | Digital Input | Audio Input Port 2. CMOS logic levels from 1.8 V to 3.3 V. |
| 76 | AP1_IN | Digital Input | Audio Input Port 1. CMOS logic levels from 1.8 V to 3.3 V. |
| 77 | AP0_IN | Digital Input | Audio Input Port 0. CMOS logic levels from 1.8 V to 3.3 V. |
| 78 | SDATA | Digital I/O | I2C port serial data input/output pin. SDA is the data line for the control port. |
| 79 | SCL | Digital Input | I2C port serial clock input. SCL is the clock line for the control port. |
| 80 | DGND | Ground | Ground for DVDD |
| 81 | DVDD | Power | Digital supply voltage (1.8 V) |
| 82 | INT1 (AMUTE1) | Digital Output | Interrupt pin, can be active low or active high. When status bits change, this pin is triggered. The events that trigger an interrupt are under user control. This pin can also output an audio mute signal |
| 83 | INT2 (AMUTE2) | Digital Output | Interrupt pin, can be active low or active high. When status bits change, this pin is triggered. The events that trigger an interrupt are under user control. This pin can also output an audio mute signal.<br>I2C LSB selection. |
| 84 | INT_TX | Digital Output | Interrupt. Open drain. A 2 kΩ pull-up resistor to the microcontroller I/O supply is recommended. |
| 85 | DGNDIO | Ground | Ground for DVDDIO |
| 86 | DVDDIO | Power | Digital I/O supply voltage (3.3 V) |

| Location | Mnemonic | Type | Description |
|---|---|---|---|
| | | | |
| 87 | AP0_OUT | Digital Output | Audio output port 0. |
| 88 | AP1_OUT | Digital Output | Audio output port 1. |
| 89 | AP2_OUT | Digital Output | Audio output port 2. |
| 90 | AP3_OUT | Digital Output | Audio output port 3. |
| 91 | AP4_OUT | Digital Output | Audio output port 4. |
| 92 | DGND | Ground | Ground for DVDD |
| 93 | DVDD | Power | Digital supply voltage (1.8 V) |
| 94 | AP5_OUT | Digital Output | Audio output port 5. |
| 95 | SCLK_OUT | Digital Output | Audio serial clock output. |
| 96 | MCLK_OUT | Digital Output | Audio master clock output. |
| 97 | RESETB | Digital Input | System reset input. Active low. A minimum low reset pulse width of 5 ms is required to reset the ADV7623 circuitry. |
| 98 | PWRDNB | Digital Input | Active low power-down pin. This pin should be used as a system power detect when the internal EDID is powered from the 5V signal from the HDMI port when connected to active equipment. Pin pulled down internally. |
| 99 | PGND | Ground | Ground for PVDD |
| 100 | PVDD | Power | PLL supply voltage |
| 101 | XTAL | Miscellaneous Analog | Input pin for 28.63636 MHz crystal or an external 1.8 V 28.63636 MHz clock oscillator source to clock the ADV7623. The following crystal frequencies are also supported: 24.576 MHz and 27 MHz. |
| 102 | XTAL1 | Miscellaneous Analog | Crystal output pin. This pin should be left floating if a clock oscillator is used. |
| 103 | PVDD | Power | PLL supply voltage |
| 104 | PGND | Ground | PVDD Ground |
| 105 | HP_CTRLA | Digital Output | Hot Plug Detect for port A. |
| 106 | 5V_DETA | Digital Input | 5 V detect pin for port A in the HDMI interface. |
| 107 | RTERM | Miscellaneous Analog | Sets internal termination resistance. A 500 Ω resistor between this pin and GND should be used. |
| 108 | DDCA_SDA | Digital I/O | HDCP slave serial data port A. DDCD_SDA is a 3.3 V input/output that is 5 V tolerant. |
| 109 | DDCA_SCL | Digital Input | HDCP slave serial clock port A. DDCD_SCL is a 3.3 V input that is 5 V tolerant. |
| 110 | CVDD | Power | Receiver comparator supply voltage (1.8V) |

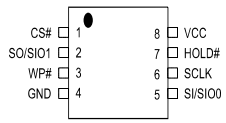
| Location | Mnemonic | Type | Description |
|---|---|---|---|
| 111 | CGND | Ground | TVDD and CVDD Ground |
| 112 | RXA_C- | HDMI Input | Digital input clock Complement of port A in the HDMI interface. |
| 113 | RXA_C+ | HDMI Input | Digital input clock True of port A in the HDMI interface. |
| 114 | TVDD | Power | Receiver terminator supply voltage (3.3 V) |
| 115 | RXA_0- | HDMI Input | Digital input channel 0 complement of port A in the HDMI interface. |
| 116 | RXA_0+ | HDMI Input | Digital input channel 0 true of port A in the HDMI interface. |
| 117 | CGND | Ground | TVDD and CVDD Ground |
| 118 | RXA_1- | HDMI Input | Digital input channel 1 complement of port A in the HDMI interface. |
| 119 | RXA_1+ | HDMI Input | Digital input channel 1 true of port A in the HDMI interface. |
| 120 | TVDD | Power | Receiver terminator supply voltage (3.3 V) |
| 121 | RXA_2- | HDMI Input | Digital input channel 2 complement of port A in the HDMI interface. |
| 122 | RXA_2+ | HDMI Input | Digital input channel 2 true of port A in the HDMI interface. |
| 123 | HP_CTRLB | Digital Output | Hot Plug Detect for port B. |
| 124 | 5V_DETB | Digital Input | 5 V detect pin for port B in the HDMI interface. |
| 125 | DGND | Ground | Ground for DVDD |
| 126 | DVDD | Power | Digital supply voltage (1.8 V) |
| 127 | DDCB_SDA | Digital I/O | HDCP slave serial data ports B. DDCB_SDA is a 3.3 V input/output that is 5 V tolerant. |
| 128 | DDCB_SCL | Digital Input | HDCP slave serial clock port B. DDCB_SCL is a 3.3 V input that is 5 V tolerant. |
| 129 | CVDD | Power | Receiver comparator supply voltage (1.8V) |
| 130 | CGND | Ground | TVDD and CVDD Ground |
| 131 | RXB_C- | HDMI Input | Digital input clock complement of port B in the HDMI interface. |
| 132 | RXB_C+ | HDMI Input | Digital input clock true of port B in the HDMI interface. |
| 133 | TVDD | Power | Receiver terminator supply voltage (3.3 V) |
| 134 | RXB_0- | HDMI Input | Digital input channel 0 complement of port B in the HDMI interface. |
| 135 | RXB_0+ | HDMI Input | Digital input channel 0 true of port B in the HDMI interface. |
| 136 | CGND | Ground | TVDD and CVDD Ground |
| 137 | RXB_1- | HDMI Input | Digital input channel 1 complement of port |

| Location | Mnemonic | Type | Description |
|---|---|---|---|
| | | | B in the HDMI interface. |
| 138 | RXB_1+ | HDMI Input | Digital input channel 1 true of port B in the HDMI interface. |
| 139 | TVDD | Power | Receiver terminator supply voltage (3.3 V) |
| 140 | RXB_2- | HDMI Input | Digital input channel 2 complement of port B in the HDMI interface. |
| 141 | RXB_2+ | HDMI Input | Digital input channel 2 true of port B in the HDMI interface. |
| 142 | HP_CTRLC | Digital Output | Hot Plug Detect for port C. |
| 143 | 5V_DETC | Digital Input | 5 V detect pin for port C in the HDMI interface. |
| 144 | DDCC_SDA | Digital I/O | HDCP slave serial clock port C. DDCC_SDA is a 3.3 V input/output that is 5 V tolerant. |

**MX25L3206EM2I-12G (DIGITAL : IC722)**

PIN CONFIGURATIONS

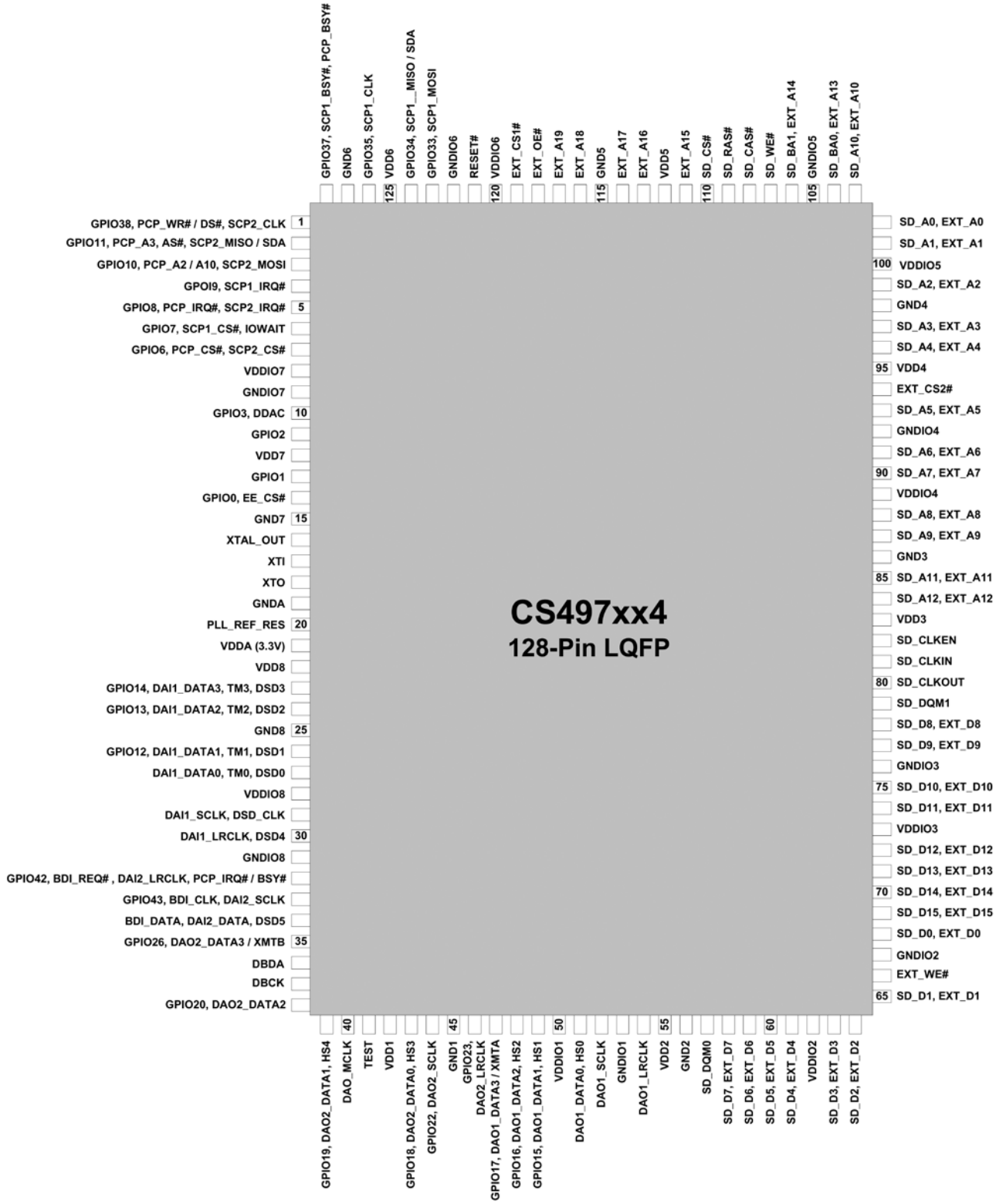
8-PIN SOP (200mil)



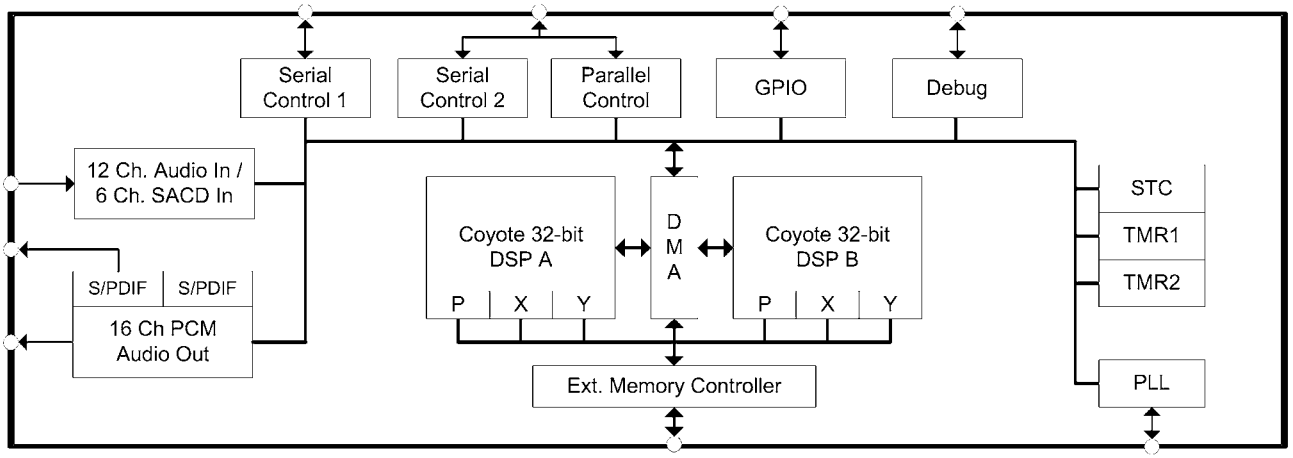

PIN DESCRIPTION

| SYMBOL | DESCRIPTION |
|---|---|
| CS# | Chip Select |
| SI/SIO0 | Serial Data Input (for 1 x I/O)/ Serial Data Input & Output (for Dual Output mode) |
| SO/SIO1 | Serial Data Output (for 1 x I/O)/ Serial Data Output (for Dual Output mode) |
| SCLK | Clock Input |
| WP# | Write protection |
| HOLD# | Hold, to pause the device without deselecting the device |
| VCC | + 3.3V Power Supply |
| GND | Ground |

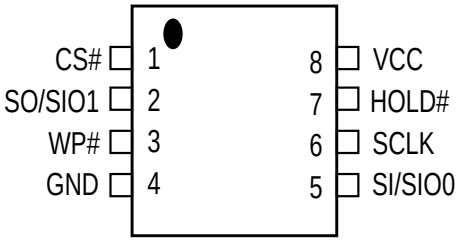
## CS497024CVZ (DIGITAL : IC741)



**CS497024CVZ Block diagram**



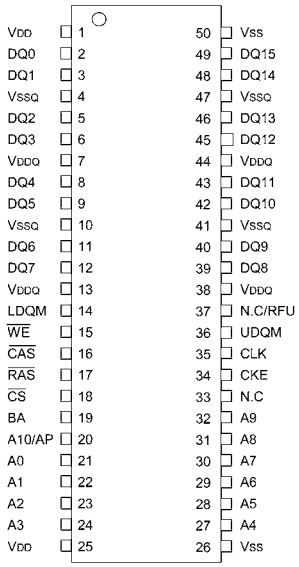

**MX25L8006EM2I-12G (DIGITAL : IC742)**

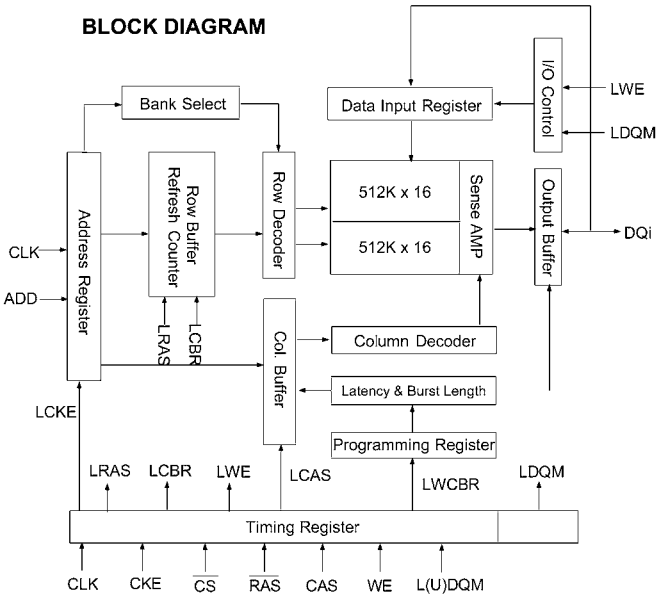



PIN DESCRIPTION

| SYMBOL | DESCRIPTION |
|---|---|
| CS# | Chip Select |
| SI/SIO0 | Serial Data Input (for 1 x I/O)/ Serial Data Input & Output (for Dual Output mode) |
| SO/SIO1 | Serial Data Output (for 1 x I/O)/ Serial Data Output (for Dual Output mode) |
| SCLK | Clock Input |
| WP# | Write protection |
| HOLD# | Hold, to pause the device without deselecting the device |
| VCC | + 3.3V Power Supply |
| GND | Ground |

## M12L16161A5TG (DIGITAL : IC743)

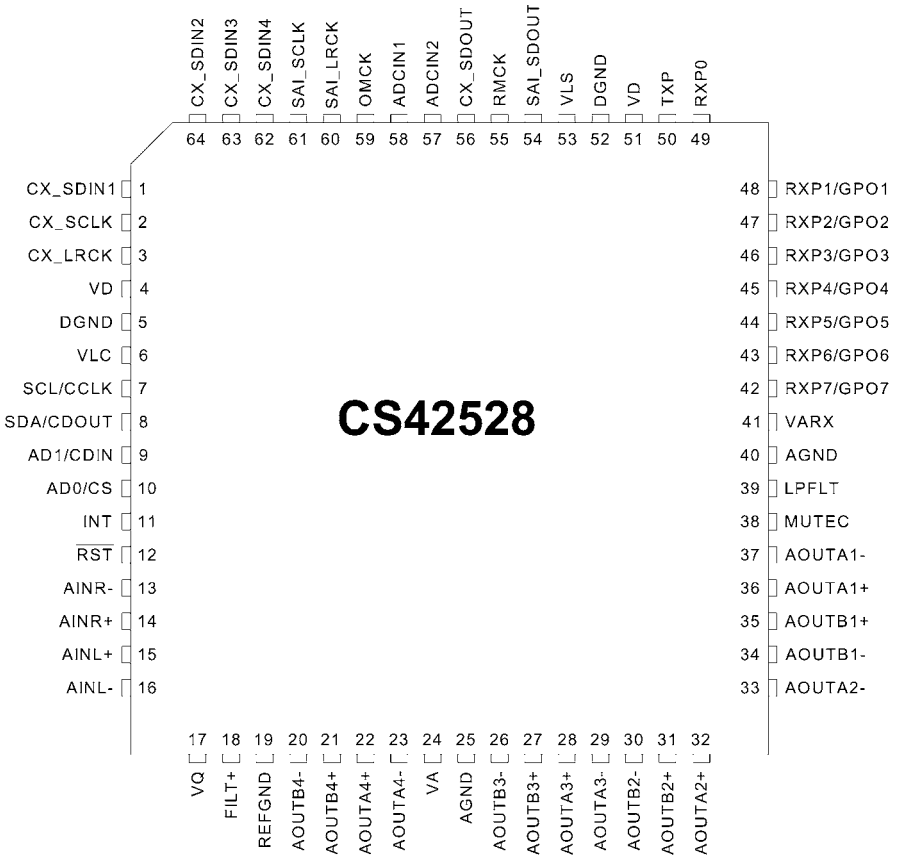


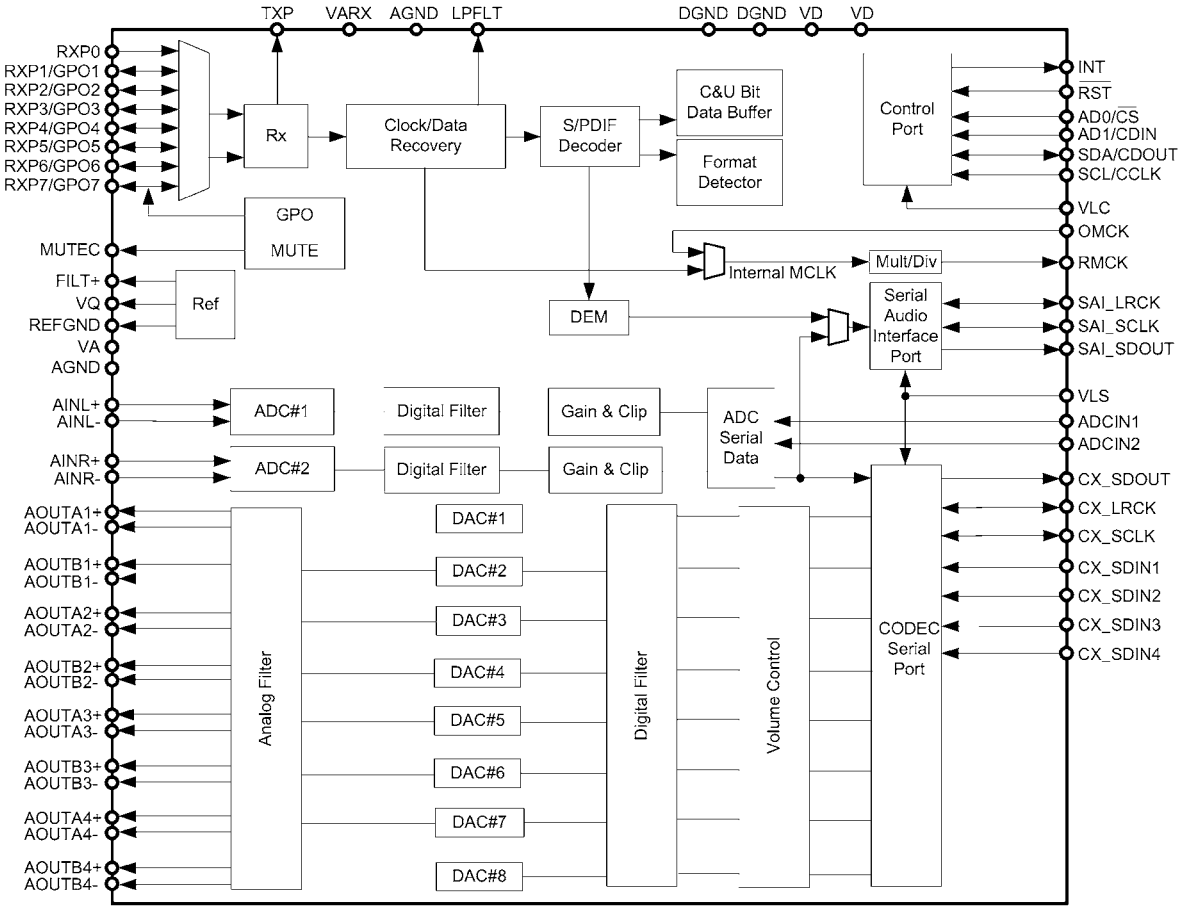

### M12L16161A5TG Terminal Functions

| Pin | Name | Input Function |
|---|---|---|
| CLK | System Clock | Active on the positive going edge to sample all inputs. |
| $\overline{CS}$ | Chip Select | Disables or enables device operation by masking or enabling all inputs except CLK, CKE and L(U)DQM. |
| CKE | Clock Enable | Masks system clock to freeze operation from the next clock cycle.<br>CKE should be enabled at least one cycle prior to new command.<br>Disable input buffers for power down in standby. |
| A0 ~ A10/AP | Address | Row / column addresses are multiplexed on the same pins.<br>Row address : RA0 ~ RA10, column address : CA0 ~ CA7 |
| BA | Bank Select Address | Selects bank to be activated during row address latch time. Selects bank for read/write during column address latch time. |
| $\overline{RAS}$ | Row Address Strobe | Latches row addresses on the positive going edge of the CLK with $\overline{RAS}$ low.<br>Enables row access & precharge. |
| $\overline{CAS}$ | Column Address Strobe | Latches column addresses on the positive going edge of the CLK with $\overline{CAS}$ low.<br>Enables column access. |
| $\overline{WE}$ | Write Enable | Enables write operation and row precharge. Latches data in starting from $\overline{CAS}$ , $\overline{WE}$ active. |
| L(U)DQM | Data Input / Output Mask | Makes data output Hi-Z, $t_{SHZ}$ after the clock and masks the output.<br>Blocks data input when L(U)DQM active. |
| DQ0~15 | Data Input / Output | Data inputs/outputs are multiplexed on the same pins. |
| 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. |

## CS42528-CQ (DIGITAL : IC744)



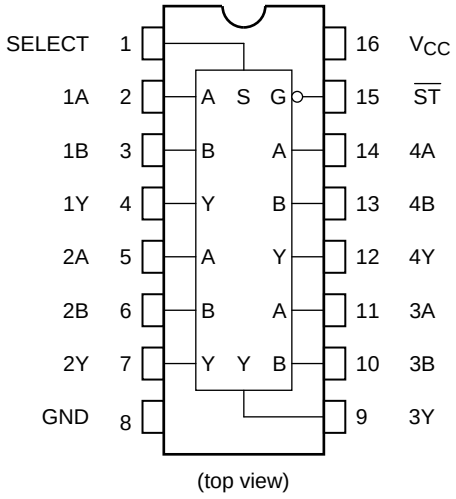

## CS42528 Block diagram



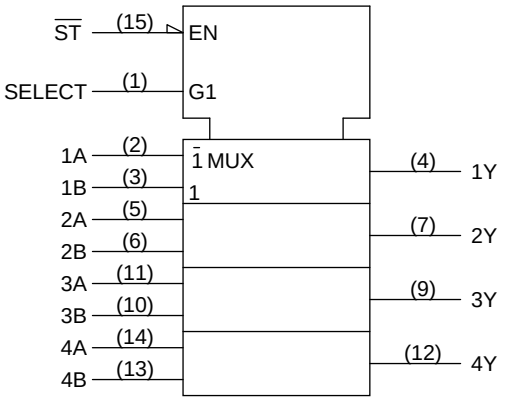
## CS42528 Terminal Functions

| | | |
|---|---|---|
| INT | 11 | **Interrupt** *(Output)* - The CS42528 will generate an interrupt condition as per the Interrupt Mask register. See "Interrupts" on page 40 for more details. |
| $\overline{\text{RST}}$ | 12 | **Reset** (*Input*) - The device enters a low power mode and all internal registers are reset to their default settings when low. |
| AINR-<br>AINR+ | 13<br>14 | **Differential Right Channel Analog Input** (*Input*) - Signals are presented differentially to the delta-sigma modulators via the AINR+/- pins. |
| AINL+<br>AINL- | 15<br>16 | **Differential Left Channel Analog Input** (*Input*) - Signals are presented differentially to the delta-sigma modulators via the AINL+/- pins. |
| VQ | 17 | **Quiescent Voltage** (*Output*) **-** Filter connection for internal quiescent reference voltage. |
| FILT+ | 18 | **Positive Voltage Reference** (*Output*) - Positive reference voltage for the internal sampling circuits. |
| REFGND | 19 | **Reference Ground** (*Input*) - Ground reference for the internal sampling circuits. |
| AOUTA1 +,-<br>AOUTB1 +,-<br>AOUTA2 +,-<br>AOUTB2 +,-<br>AOUTA3 +,-<br>AOUTB3 +,-<br>AOUTA4 +,-<br>AOUTB4 +,- | 36,37<br>35,34<br>32,33<br>31,30<br>28,29<br>27,26<br>22,23<br>21,20 | **Differential Analog Output** (*Output*) - The full-scale differential analog output level is specified in the Analog Characteristics specification table. |
| VA<br>VARX | 24<br>41 | **Analog Power** (*Input*) - Positive power supply for the analog section. |
| AGND | 25<br>40 | **Analog Ground** (*Input*) - Ground reference. Should be connected to analog ground. |
| MUTEC | 38 | **Mute Control** (*Output*) - The Mute Control pin outputs high impedance following an initial power-on condition or whenever the PDN bit is set to a '1', forcing the codec into power-down mode. The signal will remain in a high impedance state as long as the part is in power-down mode. The Mute Control pin goes to the selected "active" state during reset, muting, or if the master clock to left/right clock frequency ratio is incorrect. This pin is intended to be used as a control for external mute circuits to prevent the clicks and pops that can occur in any single supply system. The use of external mute circuits are not mandatory but may be desired for designs requiring the absolute minimum in extraneous clicks and pops. |
| LPFLT | 39 | **PLL Loop Filter** (*Output*) - An RC network should be connected between this pin and ground. |
| RXP7/GPO7<br>RXP6/GPO6<br>RXP5/GPO5<br>RXP4/GPO4<br>RXP3/GPO3<br>RXP2/GPO2<br>RXP1/GPO1 | 42<br>43<br>44<br>45<br>46<br>47<br>48 | **S/PDIF Receiver Input/ General Purpose Output** (*Input/Output*) - Receiver inputs for S/PDIF encoded data. The CS42528 has an internal 8:2 multiplexer to select the active receiver port, according to the Receiver Mode Control 2 register. These pins can also be configured as general purpose output pins, ADC Overflow indicators or Mute Control outputs according to the RXP/General Purpose Pin Control registers. |
| RXP0 | 49 | **S/PDIF Receiver Input** (*Input*) - Dedicated receiver input for S/PDIF encoded data. |
| TXP | 50 | **S/PDIF Transmitter Output** (*Output*) - S/PDIF encoded data output, mapped directly from one of the receiver inputs as indicated by the Receiver Mode Control 2 register. |
| VLS | 53 | **Serial Port Interface Power** (*Input*) - Determines the required signal level for the serial port interfaces. |
| SAI_SDOUT | 54 | **Serial Audio Interface Serial Data Output** (*Output*) - Output for two's complement serial audio PCM data from the S/PDIF incoming stream. This pin can also be configured to transmit the output of the internal and external ADCs. |
| RMCK | 55 | **Recovered Master Clock** (*Output*) - Recovered master clock output from the External Clock Reference (OMCK, pin 59) or the PLL which is locked to the incoming S/PDIF stream or CX_LRCK. |
| CX_SDOUT | 56 | **CODEC Serial Data Output** (*Output*) - Output for two's complement serial audio data from the internal and external ADCs. |
| ADCIN1<br>ADCIN2 | 58<br>57 | **External ADC Serial Input** (*Input*) - The CS42528 provides for up to two external stereo analog to digital converter inputs to provide a maximum of six channels on one serial data output line when the CS42528 is placed in One-Line Mode. |
| OMCK | 59 | **External Reference Clock** (*Input*) - External clock reference that must be within the ranges specified in the register "OMCK Frequency (OMCK Freqx)" on page 53. |
| SAI_LRCK | 60 | **Serial Audio Interface Left/Right Clock** (*Input/Output*) - Determines which channel, Left or Right, is currently active on the serial audio data line. |
| SAI_SCLK | 61 | **Serial Audio Interface Serial Clock** *(Input/Output)* - Serial clock for the Serial Audio Interface. |

## TC74VHC157FT (DIGITAL : IC745-747)



(top view)

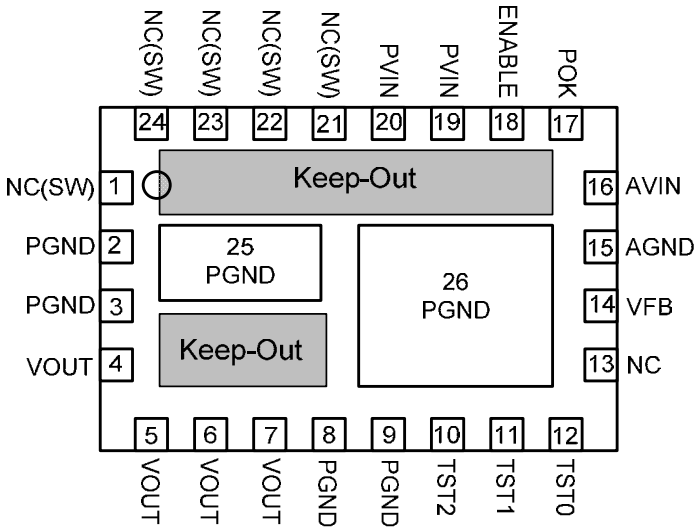



### Truth Table

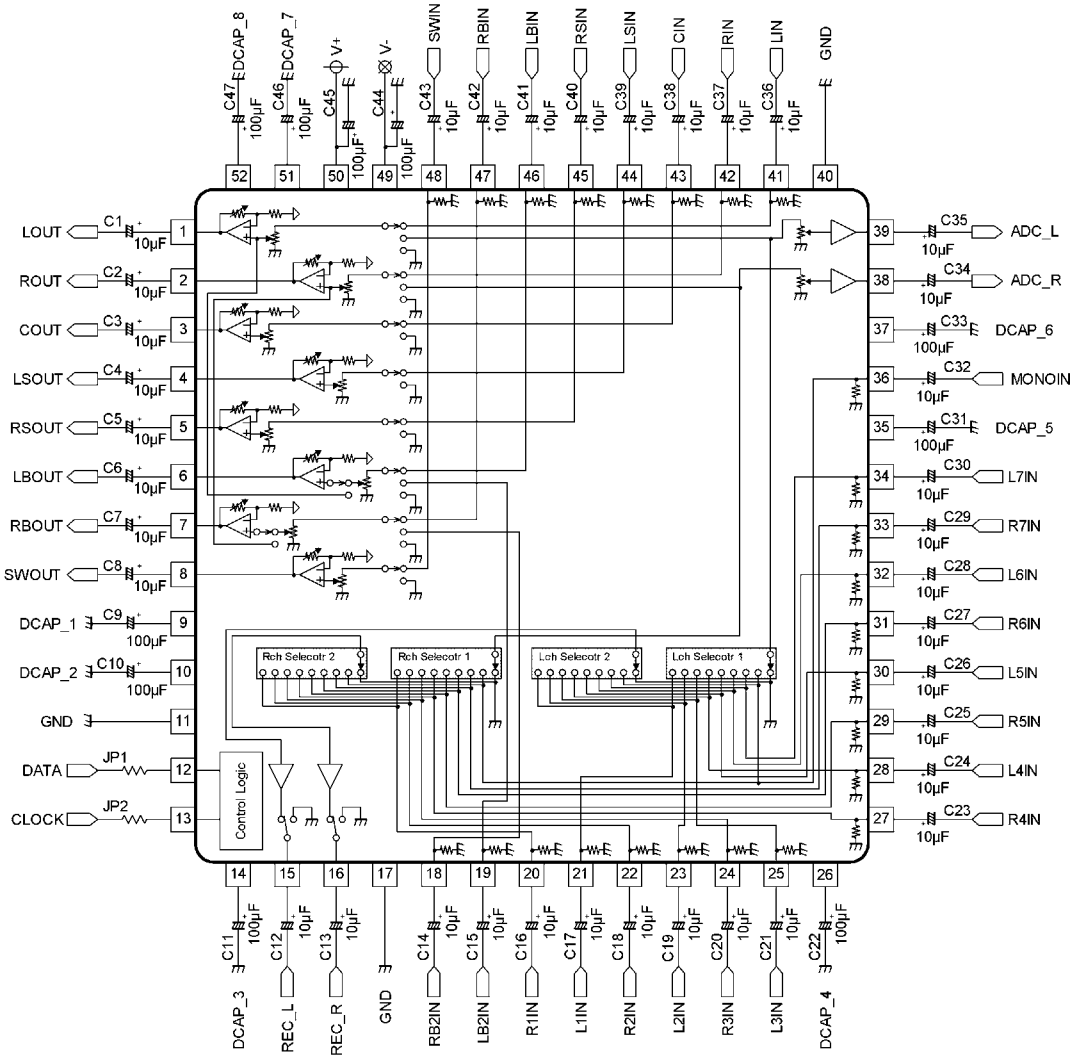
| Inputs | | | | Output |
|---|---|---|---|---|
| $\overline{ST}$ | SELECT | A | B | |
| H | X | X | X | L |
| L | L | L | X | L |
| L | L | H | X | H |
| L | H | X | L | L |
| L | H | X | H | H |

X: Don’t care

## EN5339QI (DIGITAL : IC751-753)



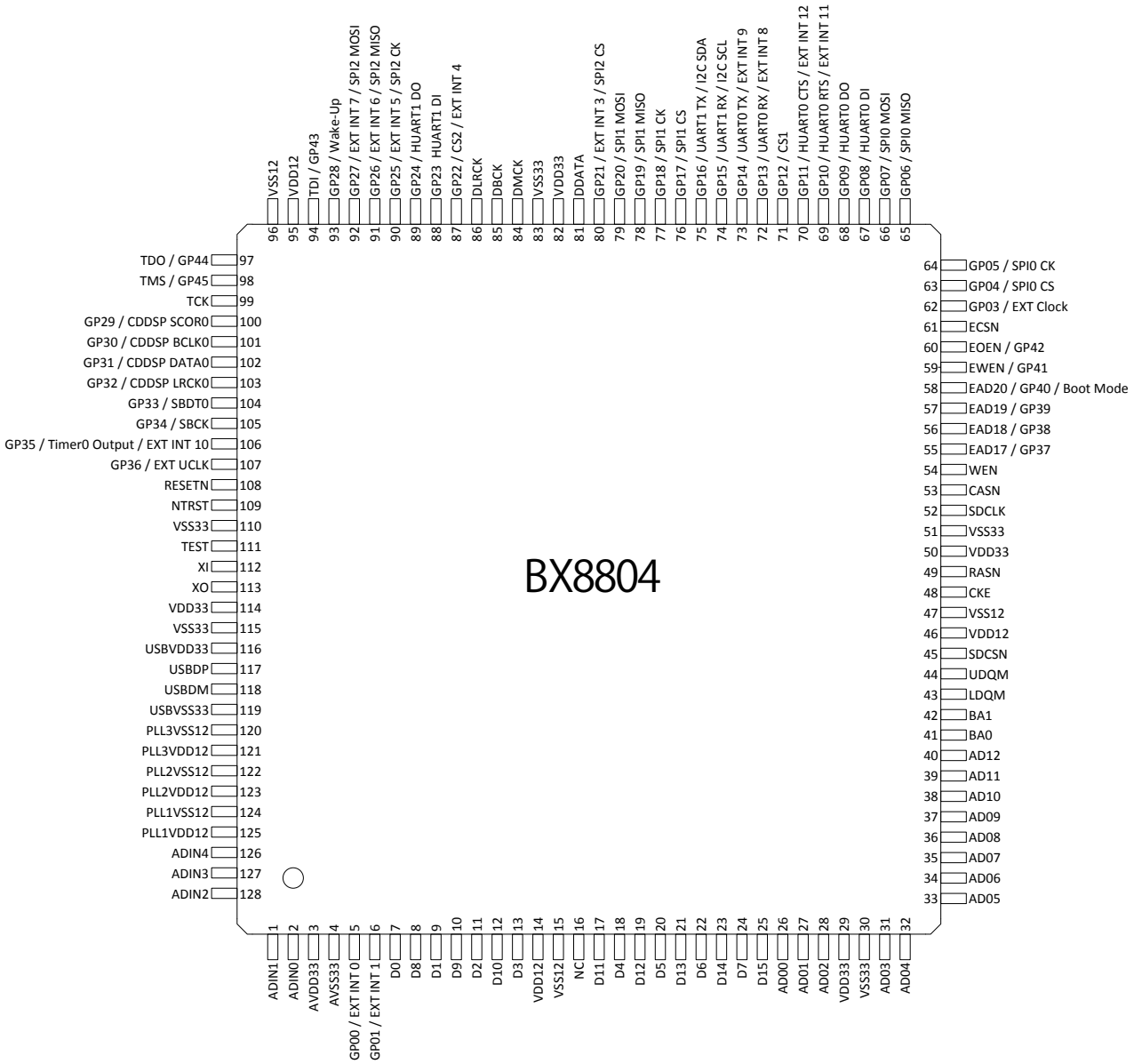
## NJU72340A (DIGITAL :IC761)




### NJU72340A Terminal Functions

| Pin No. | SYMBOL | Pin No. | SYMBOL | Pin No. | SYMBOL | Pin No. | SYMBOL |
|---|---|---|---|---|---|---|---|
| 1 | LOUT | 14 | DCAP_3 | 27 | R4IN | 40 | GND |
| 2 | ROUT | 15 | REC_R | 28 | L4IN | 41 | LIN |
| 3 | COUT | 16 | REG_L | 29 | R5IN | 42 | RIN |
| 4 | LSOUT | 17 | GND | 30 | L5IN | 43 | CIN |
| 5 | RSOUT | 18 | RB2IN | 31 | R6IN | 44 | LSIN |
| 6 | LBOUT | 19 | LB2IN | 32 | L6IN | 45 | RSIN |
| 7 | RBOUT | 20 | R1IN | 33 | R7IN | 46 | LBIN |
| 8 | SWOUT | 21 | L1IN | 34 | L7IN | 47 | RBIN |
| 9 | DCAP_1 | 22 | R2IN | 35 | DCAP_5 | 48 | SWIN |
| 10 | DCAP_2 | 23 | L2IN | 36 | MONOIN | 49 | $V^-$ |
| 11 | GND | 24 | R3IN | 37 | DCAP_6 | 50 | $V^+$ |
| 12 | DATA | 25 | L3IN | 38 | ADC_R | 51 | DCAP_7 |
| 13 | CLOCK | 26 | DCAP_4 | 39 | ADC_L | 52 | DCAP_8 |

**BX8804(USB : IC901)**



**BX8804 Terminal Functions**

| Pin | Name | Type | Description | Alternative Function |
|---|---|---|---|---|
| 1 | ADIN1 | I | ADC analog input[1] | |
| 2 | ADIN0 | I | ADC analog input[0] | |
| 3 | AVDD33 | P | ADC Analog Power supply (3.3V) | |
| 4 | AVSS33 | P | ADC Analog Ground | |
| 5 | GP00 | BD | General Purpose IO 00 | External Interrupt 0 |
| 6 | GP01 | BD | General Purpose IO 01 | External Interrupt 1 |
| 7 | D0 | B | External SDRAM data bus [0] | External program data bus [0] |
| 8 | D8 | B | External SDRAM data bus [8] | External program data bus [8] |
| 9 | D1 | B | External SDRAM data bus [1] | External program data bus [1] |
| 10 | D9 | B | External SDRAM data bus [9] | External program data bus [9] |
| 11 | D2 | B | External SDRAM data bus [2] | External program data bus [2] |
| 12 | D10 | B | External SDRAM data bus [10] | External program data bus [10] |
| 13 | D3 | B | External SDRAM data bus [3] | External program data bus [3] |
| 14 | VDD12 | P | Digital power supply (1.2V) | |
| 15 | VSS12 | P | Digital Ground | |
| 16 | NC | | Not Connected | |
| 17 | D11 | B | External SDRAM data bus [11] | External program data bus [11] |
| 18 | D4 | B | External SDRAM data bus [4] | External program data bus [4] |
| 19 | D12 | B | External SDRAM data bus [12] | External program data bus [12] |
| 20 | D5 | B | External SDRAM data bus [5] | External program data bus [5] |
| 21 | D13 | B | External SDRAM data bus [13] | External program data bus [13] |
| 22 | D6 | B | External SDRAM data bus [6] | External program data bus [6] |
| 23 | D14 | B | External SDRAM data bus [14] | External program data bus [14] |
| 24 | D7 | B | External SDRAM data bus [7] | External program data bus [7] |
| 25 | D15 | B | External SDRAM data bus [15] | External program data bus [15] |
| 26 | AD0 | O | External SDRAM address bus [0] | External program address bus [0] |
| 27 | AD1 | O | External SDRAM address bus [1] | External program address bus [1] |
| 28 | AD2 | O | External SDRAM address bus [2] | External program address bus [2] |
| 29 | IOVDD33 | P | I/O Power supply (3.3V) | |
| 30 | IOVSS33 | P | I/O Ground | |
| 31 | AD3 | O | External SDRAM address bus [3] | External program address bus [3] |
| 32 | AD4 | O | External SDRAM address bus [4] | External program address bus [4] |
| 33 | AD5 | O | External SDRAM address bus [5] | External program address bus [5] |
| 34 | AD6 | O | External SDRAM address bus [6] | External program address bus [6] |
| 35 | AD7 | O | External SDRAM address bus [7] | External program address bus [7] |
| 36 | AD8 | O | External SDRAM address bus [8] | External program address bus [8] |
| 37 | AD9 | O | External SDRAM address bus [9] | External program address bus [9] |
| 38 | AD10 | O | External SDRAM address bus [10] | External program address bus [10] |
| 39 | AD11 | O | External SDRAM address bus [11] | External program address bus [11] |
| 40 | AD12 | O | External SDRAM address bus [12] | External program address bus [12] |
| 41 | BA0 | O | External SDRAM Bank selector 0 | External program address bus [13] |

| | | | | |
|---|---|---|---|---|
| 42 | BA1 | O | External SDRAM Bank selector 1 | External program address bus [14] |
| 43 | LDQM | O | SDRAM Lower byte data mask | External program address bus [15] |
| 44 | UDQM | O | SDRAM Upper byte data mask | External program address bus [16] |
| 45 | SDCSN | O | SDRAM Chip select | |
| 46 | VDD12 | P | Digital power supply (1.2V) | |
| 47 | VSS12 | P | Digital Ground | |
| 48 | CKE | O | SDRAM clock enable | |
| 49 | RASN | O | SDRAM RAS | |
| 50 | IOVDD33 | P | I/O Power supply (3.3V) | |
| 51 | IOVSS33 | P | I/O Ground | |
| 52 | SDCLK | O | SDRAM clock | |
| 53 | CASN | O | SDRAM CAS | |
| 54 | WEN | O | SDRAM WEN | |
| 55 | EAD17 | B | External memory address[17] | General Purpose IO 37 |
| 56 | EAD18 | B | External memory address[18] | General Purpose IO 38 |
| 57 | EAD19 | B | External memory address[19] | General Purpose IO 39 |
| 58 | EAD20 | B | External memory address[20] | General Purpose IO 40<br>Booting Mode |
| 59 | EWEN | B | External memory WEN | General Purpose IO 41 |
| 60 | EOEN | B | External memory OEN | General Purpose IO 42 |
| 61 | ECSN | O | External memory CSN | |
| 62 | GP03 | B | General Purpose IO 03 | External Clock (16.9344MHz) |
| 63 | GP04 | B | General Purpose IO 04 | SPI0 CS |
| 64 | GP05 | B | General Purpose IO 05 | SPI0 CK |
| 65 | GP06 | B | General Purpose IO 06 | SPI0 MISO |
| 66 | GP07 | B | General Purpose IO 07 | SPI0 MOSI |
| 67 | GP08 | B | General Purpose IO 08 | HUART0 DI |
| 68 | GP09 | B | General Purpose IO 09 | HUART0 DO |
| 69 | GP10 | B | General Purpose IO 10 | HUART0 RTS<br>External Interrupt 11 |
| 70 | GP11 | B | General Purpose IO 11 | HUART0 CTS<br>External Interrupt 12 |
| 71 | GP12 | B | General Purpose IO 12 | Chip Select 1<br>When GP12 is used for CS1, the external pull-up resistor (48 kΩ) has to be connected with this pin |
| 72 | GP13 | B | General Purpose IO 13 | UART0 RX Data<br>External Interrupt 8 |
| 73 | GP14 | B | General Purpose IO 14 | UART0 TX Data<br>External Interrupt 9 |
| 74 | GP15 | B | General Purpose IO 15 | UART1 RX Data<br>I2C SCL |
| 75 | GP16 | B | General Purpose IO 16 | UART1 TX Data<br>I2C SDA |
| 76 | GP17 | B | General Purpose IO 17 | SPI1 CS |
| 77 | GP18 | B | General Purpose IO 18 | SPI1 CK |

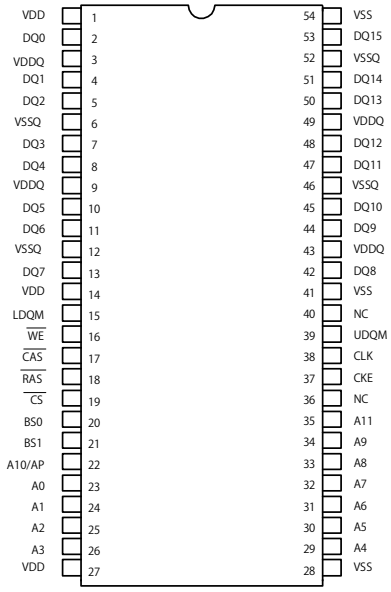
| | | | | |
|---|---|---|---|---|
| 78 | GP19 | B | General Purpose IO 19 | SPI1 MISO |
| 79 | GP20 | B | General Purpose IO 20 | SPI1 MOSI |
| 80 | GP21 | B | General Purpose IO 21 | External Interrupt 3 |
| | | | | SPI2 CS |
| 81 | DDATA | O | Audio serial data for external DAC | |
| 82 | IOVDD33 | P | I/O Power supply (3.3V) | |
| 83 | IOVSS33 | P | I/O Ground | |
| 84 | DMCK | O | Master clock for external DAC | |
| 85 | DBCK | O | Audio serial data Bit clock | |
| 86 | DLRCK | O | Audio serial data frame clock | |
| 87 | GP22 | B | General Purpose IO 22 | Chip Select 2<br>When GP22 is used for CS2, the external pull-up resistor (48 kΩ) has to be connected with this pin |
| | | | | External Interrupt 4 |
| 88 | GP23 | B | General Purpose IO 23 | HUART1 DI |
| 89 | GP24 | B | General Purpose IO 24 | HUART1 DO |
| 90 | GP25 | B | General Purpose IO 25 | External Interrupt 5 |
| | | | | SPI2 CK |
| 91 | GP26 | B | General Purpose IO 26 | External Interrupt 6 |
| | | | | SPI2 MISO |
| 92 | GP27 | B | General Purpose IO 27 | External Interrupt 7 |
| | | | | SPI2 MOSI |
| 93 | GP28 | B | General Purpose IO 28 | Wake-UP<br>When GP28 is used for WAKE-UP signal input pin, the external pull-down resistor (48kΩ) has to be connected with this pin. |
| 94 | TDI | B | JTAG TDI input<br>When GP43is used for TDI of JTAG, the external pull-up resistor (48kΩ) has to be connected with this pin. | General Purpose IO 43 |
| 95 | VDD12 | P | Digital power supply (1.2V) | |
| 96 | VSS12 | P | Digital Ground | |
| 97 | TDO | B | JTAG TDO Output<br>When GP44 is used for TDO of JTAG, the external pull-up resistor (48kΩ) has to be connected with this pin. | General Purpose IO 44 |
| 98 | TMS | B | JTAG TMS input<br>When GP45 is used for TMS of JTAG, the external pull-up resistor (48kΩ) has to be connected with this pin. | General Purpose IO 45 |
| 99 | TCK | I | JTAG Clock Input | |
| 100 | GP29 | B | General Purpose IO 29 | CDDSP SCOR0 |

| | | | | |
|---|---|---|---|---|
| 101 | GP30 | B | General Purpose IO 30 | CDDSP BCLK0 |
| 102 | GP31 | B | General Purpose IO 31 | CDDSP DATA0 |
| 103 | GP32 | B | General Purpose IO 32 | CDDSP LRCK0 |
| 104 | GP33 | B | General Purpose IO 33 | SBDT0 |
| 105 | GP34 | B | General Purpose IO 34 | SBCK |
| 106 | GP35 | B | General Purpose IO 35 | Timer0 Output |
| | | | | External Interrupt 10 |
| 107 | GP36 | B | General Purpose IO 36 | External UCLK |
| 108 | RESETN | I | System Reset | |
| 109 | NTRST | I | JTAG NRST Input<br>When NTRSR is used for Reset of JTAG, the external pull-up resistor (48kΩ) has to be connected with this pin. | |
| 110 | IOVSS33 | P | I/O Ground | |
| 111 | TEST | I | Test | |
| 112 | XI | I | System clock input | |
| 113 | XO | O | System clock output | |
| 114 | IOVDD33 | P | I/O Power supply (3.3V) | |
| 115 | IOVSS33 | P | I/O Ground | |
| 116 | USBVDD33 | P | USB Power supply (3.3V) | |
| 117 | USBDP | B | USB D+ | |
| 118 | USBDM | B | USB D- | |
| 119 | USBVSS33 | P | USB Ground (3.3V) | |
| 120 | PLL3VSS12 | P | PLL3 Ground (1.2V) | |
| 121 | PLL3VDD12 | P | PLL3 Power supply (1.2V) | |
| 122 | PLL2VSS12 | P | PLL2 Ground (1.2V) | |
| 123 | PLL2VDD12 | P | PLL2 Power supply (1.2V) | |
| 124 | PLL1VSS12 | P | PLL1 Ground (1.2V) | |
| 125 | PLL1VDD12 | P | PLL1 Power supply (1.2V) | |
| 126 | ADIN4 | I | ADC analog input[4] | |
| 127 | ADIN3 | I | ADC analog input[3] | |
| 128 | ADIN2 | I | ADC analog input[2] | |

Note: Pin type ‘D’ means open drain output

## W9864G6JH-6 (USB : IC902)

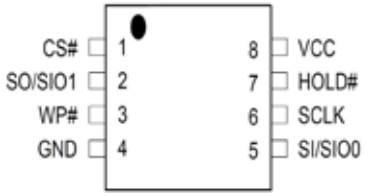
PIN CONFIGURATION




## W9864G6JH-6 Terminal Functions

| PIN NUMBER | PIN NAME | FUNCTION | DESCRIPTION |
|---|---|---|---|
| 23 ~ 26, 22, 29 ~35 | A0–A11 | Address | Multiplexed pins for row and column address. Row address: A0–A11. 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. |
| 20, 21 | 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, 42, 44, 45, 47, 48, 50, 51, 53 | DQ0–DQ15 | Data Input/ Output | Multiplexed pins for data output and input. |
| 19 | $\overline{CS}$ | Chip Select | Disable or enable the command decoder. When command decoder is disabled, new command is ignored and previous operation continues. |
| 18 | $\overline{RAS}$ | Row Address Strobe | Command input. When sampled at the rising edge of the clock $\overline{RAS}$, $\overline{CAS}$ and $\overline{WE}$ define the operation to be executed. |
| 17 | $\overline{CAS}$ | Column Address Strobe | Referred to $\overline{RAS}$ |
| 16 | $\overline{WE}$ | Write Enable | Referred to $\overline{RAS}$ |
| 39, 15 | UDQM LDQM | 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. |
| 38 | CLK | Clock Inputs | System clock used to sample inputs on the rising edge of clock. |
| 37 | 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, 14, 27 | $V_{DD}$ | Power | Power for input buffers and logic circuit inside DRAM. |
| 28, 41, 54 | $V_{SS}$ | Ground | Ground for input buffers and logic circuit inside DRAM. |
| 3, 9, 43, 49 | $V_{DDQ}$ | Power for I/O buffer | Separated power from $V_{DD}$, to improve DQ noise immunity. |
| 6, 12, 46, 52 | $V_{SSQ}$ | Ground for I/O buffer | Separated ground from $V_{SS}$, to improve DQ noise immunity. |
| 36, 40 | NC | No Connection | No connection. |

## MX25L1606EM2I-12G (USB : IC904)

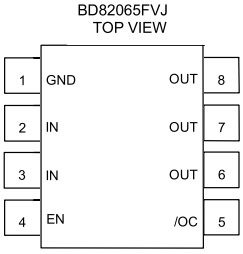



### MX25L1606EM2I-12G Terminal Functions

**PIN DESCRIPTION**

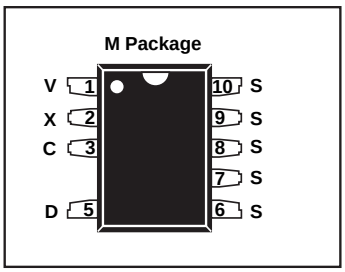
| SYMBOL | DESCRIPTION |
|---|---|
| CS# | Chip Select |
| SI/SIO0 | Serial Data Input (for 1 x I/O)/ Serial Data Input & Output (for Dual Output mode) |
| SO/SIO1 | Serial Data Output (for 1 x I/O)/ Serial Data Output (for Dual Output mode) |
| SCLK | Clock Input |
| WP# | Write protection |
| HOLD# | Hold, to pause the device without deselecting the device |
| VCC | + 3.3V Power Supply |
| GND | Ground |

## BD82065FVJ (USB : IC905)




| 端子番号 | 端子名 | I / O | 端子機能 |
|---|---|---|---|
| 1 | GND | - | グランド端子。 |
| 2, 3 | IN | - | 電源入力端子。<br>パワースイッチへの入力端子と内部回路の電源入力端子です。<br>使用時は外部で全端子を接続してください。 |
| 4 | EN , /EN | I | パワースイッチイネーブル入力端子。<br>Low レベルの入力でパワースイッチを ON します。(BD82061FVJ)<br>High レベルの入力でパワースイッチを ON します。(BD82065FVJ)<br>High レベル入力 > 2.0V, Low レベル入力 < 0.8V。 |
| 5 | /OC | O | 過電流通知出力端子。<br>過電流、過温度検出時に Low になります。<br>オープンドレイン出力端子です。 |
| 6, 7, 8 | OUT | O | パワースイッチ出力端子。<br>使用時は外部で全端子を接続してください。 |

## TOP258MG (SMPS : IC601)



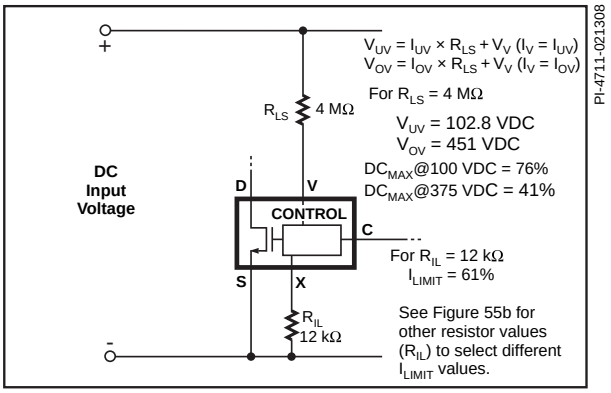




Figure 5. TOP254-258 Y and All M/E/L Package Line Sense and Externally Set Current Limit.

### Pin Functional Description

DRAIN (D) Pin:
High-voltage power MOSFET DRAIN pin. The internal start-up bias current is drawn from this pin through a switched high-voltage current source. Internal current limit sense point for drain current.

CONTROL (C) Pin:
Error amplifier and feedback current input pin for duty cycle control. Internal shunt regulator connection to provide internal bias current during normal operation. It is also used as the connection point for the supply bypass and auto-restart/ compensation capacitor.

EXTERNAL CURRENT LIMIT (X) Pin (Y, M, E and L package):
Input pin for external current limit adjustment and remote ON/OFF. A connection to SOURCE pin disables all functions on this pin.

VOLTAGE MONITOR (V) Pin (Y & M package only):
Input for OV, UV, line feed forward with $DC_{MAX}$ reduction, output overvoltage protection (OVP), remote ON/OFF and device reset. A connection to the SOURCE pin disables all functions on this pin.

MULTI-FUNCTION (M) Pin (P & G packages only):
This pin combines the functions of the VOLTAGE MONITOR (V) and EXTERNAL CURRENT LIMIT (X) pins of the Y package into one pin. Input pin for OV, UV, line feed forward with $DC_{MAX}$ reduction, output overvoltage protection (OVP), external current limit adjustment, remote ON/OFF and device reset. A connection to SOURCE pin disables all functions on this pin and makes TOPSwitch-HX operate in simple three terminal mode (like TOPSwitch-II).

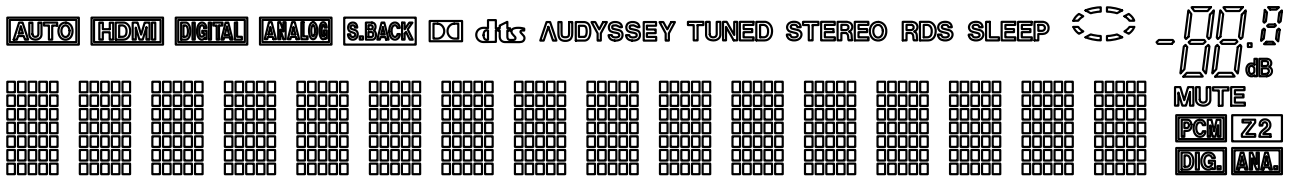
FREQUENCY (F) Pin (TOP254-258Y, and all E and L packages):
Input pin for selecting switching frequency 132 kHz if connected to SOURCE pin and 66 kHz if connected to CONTROL pin. The switching frequency is internally set for fixed 66 kHz operation in the P, G, M package and TOP259YN, TOP260YN and TOP261YN.

SIGNAL GROUND (G) Pin (TOP259YN, TOP260YN & TOP261YN only):
Return for C pin capacitor and X pin resistor.

SOURCE (S) Pin:
Output MOSFET source connection for high voltage power return. Primary side control circuit common and reference point.

## 2. FL DISPLAY

### FLD (018BT021GINK) (FRONT : FL101)



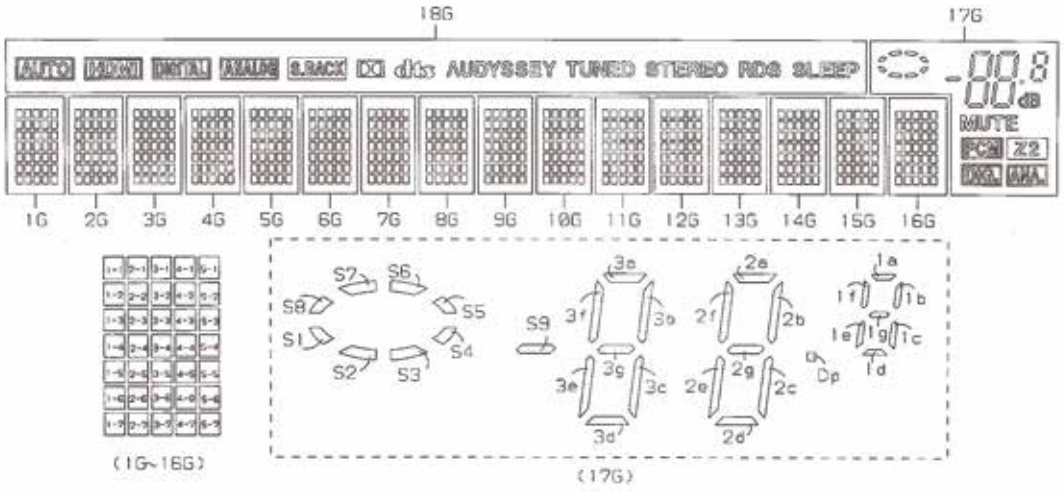

### PIN CONNECTION

| PIN NO. | 57 | 56 | 55 | 54 | 53 | 52 | 51 |
|---|---|---|---|---|---|---|---|
| CONNECTION | F2 | NP | NP | NP | LGND | PGND | VH |

| PIN NO. | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CONNECTION | VDD | OSC | RESET | CS | DA | TSA | TSB | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | NX | 18G | 17G | Q18G | Q17G | NP | NP | NP | F1 |

NOTE
1) F1,F2 --- Filament
2) NP ------ No pin
3) DL ------ Datum Line
4) NX ------ No extend pin
5) LGND -----Logic GND pin
6) PGND -----Power GND pin
7) VH ------ High Voltage Supply pin
8) VDD ----- Logic Voltage Supply pin
9) CP ------ Shift Register Clock
10) DA ------ Serial Data Input
11) TSA,B --- Test pin
12) $\overline{CS}$ ------ Chip Select Input pin
13) $\overline{RESET}$ --- Reset Input
14) OSC ----- Pin for self-oscillation
15) Solder composition is Sn-3Ag-0.5Cu.
16) 17G,18G ----- Grid
17) Q17G,Q18G ----- Driver Output Port.
18) Field of vision is a minimum of 21.8° from the lower side.

### GRID ASSIGNMENT



**ANODE CONNECTION**

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

**FRONT PCB ASS'Y**

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

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

BK : Black model SP : Premium Silver model

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | **SEMICONDUCTORS GROUP** | | | | | | | |
| | D1001 | 00D9630328409 | DIODE,RECTIFIER,AXIAL | | CVD1N4007ST | 1 | | |
| | D1003 | 90M-HD302360R | DIODE,ZENER,1/2W,6.8V | | CVDZJ6.8BT | 1 | | |
| | D1004 | 00D9430087209 | DIODE,ZENER,1/2W,24V | | CVDZJ24BT | 1 | | |
| | D1005 | 90M-HD302450R | DIODE,ZENER,1/2W,13V | | CVDZJ13BT | 1 | | |
| | D1012 | 943176010090S | L.E.D,(GREEN/RED5PI) | | CVDBLBJEGJ204L | 1 | | |
| | Q1001 | 943219006820S | T.R | | CVTKTC1027YT | 1 | | |
| | Q1003,1004 | 943214500020S | T.R,2SC3052 | | CVT2SC3052 | 2 | | |
| | Q1005 | 963212500030S | T.R,ISA1530AC1 | | CVTISA1530AC1 | 1 | | |
| | Q1006 | 943216500020S | T.R,RT1N141C(10K-10K) | | CVTRT1N141C | 1 | | |
| | Q1008 | 943215500020S | T.R,RT1P141C(10K-10K) | | CVTRT1P141C | 1 | | |
| | Q1009 | 943216500020S | T.R,RT1N141C(10K-10K) | | CVTRT1N141C | 1 | | |
| | Q1011 | 943215500020S | T.R,RT1P141C(10K-10K) | | CVTRT1P141C | 1 | | |
| | Q1012 | 943216500020S | T.R,RT1N141C(10K-10K) | | CVTRT1N141C | 1 | | |
| | RC101 | 943262100140S | SENSOR,REMOTE(37.9KHz) | | CRVHM238RT12 | 1 | | |
| | **RESISTOR GROUP** | | | | | | | |
| | R1001 | nsp | RES,CARBON(1/5W,1.8ohm,J) | | CRD20TJ1R8T | 1 | | |
| | R1004 | nsp | RES,CARBON(1/5W,1.8ohm,J) | | CRD20TJ1R8T | 1 | | |
| | R1005,1006 | nsp | RES,CHIP(1608/5%/220ohm) | | CRJ10DJ221T | 2 | | |
| | R1007 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| | R1008,1009 | nsp | RES,CHIP(1608/5%/220ohm) | | CRJ10DJ221T | 2 | | |
| | R1010 | nsp | RES,CHIP(1608/5%/39Kohm) | | CRJ10DJ393T | 1 | | |
| | R1012-1015 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 4 | | |
| | R1016,1017 | nsp | RES,CHIP(1608/5%/100Kohm) | | CRJ10DJ104T | 2 | | |
| | R1018,1019 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 2 | | |
| | R1020 | nsp | RES,CHIP(1608/5%/3.3Kohm) | | CRJ10DJ332T | 1 | | |
| | R1021 | nsp | RES,CHIP(1608/5%/1Kohm) | | CRJ10DJ102T | 1 | | |
| | R1025,1026 | nsp | RES,CHIP(1608/5%/39Kohm) | | CRJ10DJ393T | 2 | | |
| | R1030 | nsp | RES,CARBON(1/5W,10ohm,J) | | CRD20TJ100T | 1 | | |
| | R1041,1042 | nsp | RES,CHIP(1608/5%/1.2Kohm) | | CRJ10DJ122T | 2 | | |
| | R1043 | nsp | RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 1 | | |
| | R1046 | nsp | RES,CHIP(1608/5%/10Kohm) | | CRJ10DJ103T | 1 | | |
| | R1053 | nsp | RES,CHIP(1608/5%/10ohm) | | CRJ10DJ100T | 1 | | |
| | R1057 | nsp | RES,CHIP(1608/5%/470ohm) | | CRJ10DJ471T | 1 | | |
| | R1058,1059 | nsp | RES,CHIP(1608/5%/1Kohm) | | CRJ10DJ102T | 2 | | |
| | R1060,1061 | nsp | RES,CHIP(1608/5%/10Kohm) | | CRJ10DJ103T | 2 | | |
| | R1067 | nsp | RES,CARBON(1/5W,10ohm,J) | | CRD20TJ100T | 1 | | |
| | R1068 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| | R1069 | nsp | RES,CHIP(1608/5%/1Kohm) | | CRJ10DJ102T | 1 | | |
| | R1071 | nsp | RES,CHIP(1608/5%/5.6Kohm) | S500BT | CRJ10DJ562T | 1 | | |
| | R1072 | nsp | RES,CHIP(1608/5%/3.3Kohm) | S500BT | CRJ10DJ332T | 1 | | |
| | R1073 | nsp | RES,CHIP(1608/5%/2.7Kohm) | S500BT | CRJ10DJ272T | 1 | | |
| | R1073 | nsp | RES,CHIP(1608/5%/1.5Kohm) | X5100BT | CRJ10DJ152T | 1 | | |
| | R1074 | nsp | RES,CHIP(1608/5%/1.5Kohm) | S500BT | CRJ10DJ152T | 1 | | |
| | R1074 | nsp | RES,CHIP(1608/5%/1Kohm) | X5100BT | CRJ10DJ102T | 1 | | |
| | R1075 | nsp | RES,CHIP(1608/5%/1Kohm) | S500BT | CRJ10DJ102T | 1 | | |
| | R1075 | nsp | RES,CHIP(1608/5%/0ohm) | X5100BT | CRJ10DJ0R0T | 1 | | |
| | R1076 | nsp | RES,CHIP(1608/5%/5.6Kohm) | S500BT | CRJ10DJ562T | 1 | | |
| | R1077 | nsp | RES,CHIP(1608/5%/3.3Kohm) | S500BT | CRJ10DJ332T | 1 | | |
| | R1077 | nsp | RES,CHIP(1608/5%/1.5Kohm) | X5100BT | CRJ10DJ152T | 1 | | |
| | R1078 | nsp | RES,CHIP(1608/5%/2.7Kohm) | S500BT | CRJ10DJ272T | 1 | | |
| | R1078 | nsp | RES,CHIP(1608/5%/1Kohm) | X5100BT | CRJ10DJ102T | 1 | | |
| | R1079 | nsp | RES,CHIP(1608/5%/1.5Kohm) | S500BT | CRJ10DJ152T | 1 | | |
| | R1079 | nsp | RES,CHIP(1608/5%/0ohm) | X5100BT | CRJ10DJ0R0T | 1 | | |
| | R1080 | nsp | RES,CHIP(1608/5%/1Kohm) | S500BT | CRJ10DJ102T | 1 | | |
| | R1080 | nsp | RES,CHIP(1608/5%/0ohm) | X5100BT | CRJ10DJ0R0T | 1 | | |
| | R1081 | nsp | RES,CHIP(1608/5%/5.6Kohm) | S500BT | CRJ10DJ562T | 1 | | |
| | R1082 | nsp | RES,CHIP(1608/5%/3.3Kohm) | S500BT | CRJ10DJ332T | 1 | | |
| | R1082 | nsp | RES,CHIP(1608/5%/2.7Kohm) | X5100BT | CRJ10DJ272T | 1 | | |
| | R1083 | nsp | RES,CHIP(1608/5%/2.7Kohm) | S500BT | CRJ10DJ272T | 1 | | |
| | R1083 | nsp | RES,CHIP(1608/5%/1.5Kohm) | X5100BT | CRJ10DJ152T | 1 | | |
| | R1084 | nsp | RES,CHIP(1608/5%/1.5Kohm) | S500BT | CRJ10DJ152T | 1 | | |
| | R1084 | nsp | RES,CHIP(1608/5%/1Kohm) | X5100BT | CRJ10DJ102T | 1 | | |
| | R1085 | nsp | RES,CHIP(1608/5%/1Kohm) | S500BT | CRJ10DJ102T | 1 | | |
| | R1085 | nsp | RES,CHIP(1608/5%/1Kohm) | X5100BT | CRJ10DJ102T | 1 | | |
| | R1413,1414 | nsp | RES,CHIP(1608/5%/10Kohm) | | CRJ10DJ103T | 2 | | |
| | R1415,1416 | nsp | RES,CHIP(1608/5%/1Kohm) | | CRJ10DJ102T | 2 | | |
| | VR101 | 943671010330S | ENCODER(16MM,24PULSES),W/CLICK | | CSR2A055Z | 1 | | |
| | VR102 | 943671101000D | ENCODER(16MM,12PULSES) Operatingtemperaturerange:-10'Cto+70'C | | CSR2A060Z | 1 | * | |
| | **CAPACIITORS GROUP** | | | | | | | |
| | C1002 | nsp | CAP,MYLAR(50V/0.1uF/J) | | HCQI1H104JZT | 1 | | |
| | C1003 | nsp | CAP,ELECT(50V/10uF)-S | | CCEA1HKS100T | 1 | | |
| | C1004 | nsp | CAP,ELECT(50V/100uF) | | CCEA1HH101T | 1 | | |
| | C1005 | nsp | CAP,ELECT(63V/220uF) | | CCEA1JH221E | 1 | | |
| | C1006 | nsp | CAP,ELECT(50V/1uF) | | CCEA1HH1R0T | 1 | | |
| | C1007 | nsp | CAP,METAL-FILM(100V/0.047uF) | | CCME2A473JXT | 1 | | |
| | C1009 | nsp | CAP,CHIP(2012,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUC1H104KCS | 1 | | |
| | C1010 | nsp | CAP,ELECT(16V/10uF)-S | | CCEA1CKS100T | 1 | | |
| | C1011 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C1013,1014 | nsp | CAP,CHIP(1608,50V/100pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H101JAS | 2 | | |
| | C1015 | nsp | CAP,CHIP(1608,50V/330pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H331JAS | 1 | | |
| | C1016 | nsp | CAP,CHIP(1608,50V/1000pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H102KCS | 1 | | |
| | C1017 | nsp | CAP,METAL-FILM(100V/0.047uF) | | CCME2A473JXT | 1 | | |
| | C1019 | nsp | CAP,ELECT(50V/10uF) | | CCEA1HH100T | 1 | | |
| | C1020 | nsp | CAP,CHIP(1608,50V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H103KCS | 1 | | |
| | C1038 | nsp | CAP,ELECT(16V/47uF)-S | | CCEA1CKS470T | 1 | | |
| | C1039 | nsp | CAP,CHIP(1608,50V/100pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H101JAS | 1 | | |
| | C1054,1055 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 2 | | |
| | C1065 | nsp | CAP,ELECT(50V/1uF) | | CCEA1HH1R0T | 1 | | |
| | C1066 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C1067 | nsp | CAP,ELECT(50V/1uF) | | CCEA1HH1R0T | 1 | | |
| | C1068 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C1071,1072 | nsp | CAP,CHIP(1608,50V/680pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H681JAS | 2 | | |
| | C1073 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C1076,1077 | nsp | CAP,CHIP(1608,50V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H103KCS | 2 | | |

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | C1081 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C1424 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C1425,1426 | nsp | CAP,CHIP(1608,50V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H103KCS | 2 | | |
| | **OTHER PARTS GROUP** | | | | | | | |
| | CN102 | nsp | WAFER/ANGLE/2.5mm/07P | | CJP07GB03ZY | 1 | | |
| | CN103 | nsp | LOCK-WAFER/ANGLE/2MMPITCH/3PIN | | CJP03GJ288ZY | 1 | | |
| | CN104 | nsp | LOCK-WAFER/STRAIGHT/2MMPITCH/3PIN | | CJP03GI288ZY | 1 | | |
| | BK101,102 | nsp | BRACKET,FIP | | CMD1A572-V1 | 2 | | |
| | BN101 | nsp | WIREASS'YB'D-B'DIN(9P,2MM,80MM,#28) 80'C1007#28BLK/(RED)Borad_in-Borad_in | | CWB1A009080CC | 1 | | |
| | BN12B1 | nsp | WAFER,FFC1.25mm,ANGLE | | CJP27GB286ZN | 1 | | |
| | BN131 | nsp | WIREASS'YLocking(YH)(3P,2MM,50MM,#28) 80'C1007#28BLK/(RED)Locking-Borad_in | | CWB1A003050HC | 1 | | |
| ! | F1001 | 943652000620S | FUSE(372Series/100mA/TR5) | | CBA2D0100A3EYT | 1 | | |
| | FL101 | 943172100150S | V.F.D(FUTABA,18-BT-02GINK) | | CFL18BT021GINK | 1 | | |
| | JK104 | 90M-YT004500R | JACK,PHONES(6.35mm,SILVER) | | CJJ2E026Z | 1 | | |
| | L1001 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | L1010-1013 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 4 | | |
| | L1402-1404 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 3 | | |
| | SW101 | 00D9430004402 | SW,TACT | | CST1A012ZT | 1 | | |
| | SW102,103 | 00D9430004402 | SW,TACT | S500BT | CST1A012ZT | 2 | | |
| | SW104-106 | 00D9430004402 | SW,TACT | | CST1A012ZT | 3 | | |
| | SW107,108 | 00D9430004402 | SW,TACT | S500BT | CST1A012ZT | 2 | | |
| | SW109,111 | 00D9430004402 | SW,TACT | | CST1A012ZT | 3 | | |
| | SW112-114 | 00D9430004402 | SW,TACT | S500BT | CST1A012ZT | 3 | | |
| | SW115-118 | 00D9430004402 | SW,TACT | | CST1A012ZT | 4 | | |
| | SW119 | 00D9430004402 | SW,TACT | S500BT | CST1A012ZT | 1 | | |

**USB PCB ASS'Y**

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

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

BK : Black model SP : Premium Silver model

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | **SEMICONDUCTORS GROUP** | | | | | | | |
| | D1401 | 943202500730S | DIODE,ZENER(5.1V/0.5W,SOD-123) | | CVDMM1Z5V1H | 1 | | |
| | D1404,1405 | 943209001080S | DIODE,CHIP,SWITCHING | | CVD1SS355T | 2 | | |
| | D9010,9011 | 943209001080S | DIODE,CHIP,SWITCHING | | CVD1SS355T | 2 | | |
| | D9012-9015 | 963209003510S | DIODE,RELIABLEESDPROTECTION | | CVDCDS3C05HDMI1 | 4 | | |
| | IC101 | 943232100380S | I.C,DUALOPAMP(SOP-8P) LowTHD0.0005%,FORIMPROVINGTHETONECONTROL | | CVINJM8080G | 1 | | |
| | IC901 | 943243102260D | I.C,SYSTEMCONTROLLER(TQFP-128P) 32bitARM7TDMIRISC | | CVIBX8804 | 1 | * | |
| | IC902 | 943246012690S | I.C,64MSDRAM | | CVIW9864G6JH-6 | 1 | | |
| | IC904 | — | I.C,SERIALFLASH(16M) | | CVIMX25L1606EM2I-12G | 1 | | |
| | IC904 L | 943248102630D | I.C,USB_BLUETOOTH(AVR-S500BT_X510BT) | | CVIANAM1894AV | 1 | * | |
| | IC905 | 943239101090S | I.C,Highsideswitch(TSSOP-B8) 1CH,short-circuitcurrent1.5A,ActiveHigh | | CVIBD82065FVJ-E2 | 1 | | |
| | IC906 | 943239100690S | I.C,2CHDAC(32BIT,384KHZ,TSSOP-20P) | | CVIPCM5100PWR | 1 | | |
| | IC907 | 943239010400S | I.C,REGULATOR(3.3V/TO-252) | | CVINJM2845DL133 | 1 | | |
| | IC909 | 943231101880D | IC,regulator(1.2V,SSOP5) VIN=1.7?6.0VIMAX=200mA | | CVIBU12TD3WG | 1 | | |
| | **RESISTOR GROUP** | | | | | | | |
| | R1027 | nsp | RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 1 | | |
| | R1401 | nsp | RES,CHIP(1005/5%/56Kohm) | | CRJ06IJ563T | 1 | | |
| | R1402 | nsp | RES,CHIP(1005/5%/100Kohm) | | CRJ06IJ104T | 1 | | |
| | R1403,1404 | nsp | RES,CHIP(1608/5%/100Kohm) | | CRJ10DJ104T | 2 | | |
| | R1405 | nsp | RES,CHIP(1608/5%/2.2Kohm) | | CRJ10DJ222T | 1 | | |
| | R1406 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 1 | | |
| | R1407 | nsp | RES,CHIP(1608/5%/820ohm) | | CRJ10DJ821T | 1 | | |
| | R1408 | nsp | RES,CHIP(1608/5%/56Kohm) | | CRJ10DJ563T | 1 | | |
| | R1409 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 1 | | |
| | R1411 | nsp | RES,CHIP(1608/5%/2.2Kohm) | | CRJ10DJ222T | 1 | | |
| | R9010 | nsp | RES,CHIP(1005/5%/47ohm) | | CRJ06IJ470T | 1 | | |
| | R9012 | nsp | RES,CHIP(1608/5%/2.2Kohm) | | CRJ10DJ222T | 1 | | |
| | R9017 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| | R9018-9020 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 3 | | |
| | R9022-9024 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 3 | | |
| | R9026 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| | R9028 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| | R9032 | nsp | RES,CHIP(1005/5%/100Kohm) | | CRJ06IJ104T | 1 | | |
| | R9033 | nsp | RES,CHIP(1005/5%/1Mohm) | | CRJ06IJ105T | 1 | | |
| | R9034-9038 | nsp | RES,CHIP(1005/5%/220ohm) | | CRJ06IJ221T | 5 | | |
| | R9043 | nsp | RES,CHIP(1005/5%/47ohm) | | CRJ06IJ470T | 1 | | |
| | R9044 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| | R9045-9049 | nsp | RES,CHIP(1005/5%/47ohm) | | CRJ06IJ470T | 5 | | |
| | R9050-9061 | nsp | RES,CHIP(1005/5%/470ohm) | | CRJ06IJ471T | 12 | | |
| | R9066 | nsp | RES,CHIP(1005/5%/560ohm) | | CRJ06IJ561T | 1 | | |
| | R9067-9069 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 3 | | |
| | R9071,9072 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 2 | | |
| | R9073 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| | R9075,9076 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 2 | | |
| | R9077 | nsp | RES,CHIP(1005/5%/47ohm) | | CRJ06IJ470T | 1 | | |
| | R9078 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 1 | | |
| | R9079-9085 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 7 | | |
| | R9086 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| | R9088 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| | R9089 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| | R9090,9091 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 2 | | |
| | R9092 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 1 | | |
| | RN901-908 | nsp | RES,CHIP(1005/5%/33ohm*4) | | CRJ064IJ330T | 8 | | |
| | RN909 | nsp | RES,CHIP(1005/5%/0ohm*2) | | CRJ062IJ0R0T | 1 | | |
| | **CAPACIITORS GROUP** | | | | | | | |
| | C1401 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C1402 | nsp | CAP,SMDELECT(50V/1uF) SMDELECTCAP(50V/1uF) | | CCEC1HMVG1R0T | 1 | | |
| | C1403 | nsp | CAP,CHIP(1608,50V/100pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H101JAS | 1 | | |
| | C1405 | nsp | CAP,ALUMINUMELECTROLYTIC(16V/10uF) | | CCEC1CMVG100T | 1 | | |
| | C1406 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C1407 | nsp | CAP,ALUMINUMELECTROLYTICCAPACITORS(16V/100uF) | | CCEC1CMVG101T | 1 | | |
| | C1408 | nsp | CAP,CHIP(1608,50V/27pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H270JAS | 1 | | |
| | C1410,1411 | nsp | CAP,ALUMINUMELECTROLYTIC(16V/10uF) | | CCEC1CMVG100T | 2 | | |
| | C1414 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C1415 | nsp | CAP,CHIP(1608,50V/1000pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H102KCS | 1 | | |
| | C1417 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C9010,9011 | nsp | CAP,ALUMINUMELECTROLYTIC(6.3V/220uF) | | CCEC0JMVG221T | 2 | | |
| | C9012 | nsp | CAP,ALUMINUMELECTROLYTIC(6.3V/47uF) | | CCEC0JMVG470T | 1 | | |
| | C9014 | nsp | CAP,ALUMINUMELECTROLYTIC(16V/10uF) | | CCEC1CMVG100T | 1 | | |
| | C9015-9023 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R)_SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 9 | | |
| | C9026,9027 | nsp | CAP,CHIP(1608,50V/2200pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H222KCS | 2 | | |
| | C9028 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C9029,9030 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 2 | | |
| | C9033,9034 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S)_SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 2 | | |
| | C9035,9036 | nsp | CAP,CHIP(1608,6.3V/2.2uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS0J225KCS | 2 | | |
| | C9039-9056 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 18 | | |
| | C9058-9061 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 4 | | |
| | C9064-9068 | nsp | CAP,CHIP(1005,25V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E103KCS | 5 | | |
| | C9069 | nsp | CAP,CHIP(1005,50V/10pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUI1H100JAS | 1 | | |
| | C9072-9085 | nsp | CAP,CHIP(1005,50V/1000pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1H102KCS | 14 | | |
| | C9086,9087 | nsp | CAP,CHIP(1005,50V/15pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUI1H150JAS | 2 | | |
| | C9088,9089 | nsp | CAP,CHIP(1005,50V/220pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUI1H221JAS | 2 | | |
| | C9090-9093 | nsp | CAP,CHIP(1005,50V/33pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUI1H330JAS | 4 | | |
| | C9095-9100 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 6 | | |
| | C9103 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C9109 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C9110 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R)_SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C9111 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C9112 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R)_SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C9113 | nsp | CAP,ALUMINUMELECTROLYTIC(16V/10uF) | | CCEC1CMVG100T | 1 | | |
| | C9114-9130 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 17 | | |
| | **OTHER PARTS GROUP** | | | | | | | |
| | CN911 | nsp | WAFER,CARDCABLE(SMD,09P-1mm,ANGLE,H:2mm) SMD,09P-1mm,ANGLE,H:2mm | | CJP10GB310ZY | 1 | | |
| | BN912 | nsp | WIREASS'YLocking(YH)(15P,2MM,280MM,#26) 105'C1569#26BLK/(RED)Locking-Borad_in | | CWB1B015280HC | 1 | | |
| | BN914 | nsp | WIREASS'YLocking(YH)(7P,2MM,280MM,#26) 105'C1569#26Locking-Borad_in | | CWB1C007280HC001 | 1 | | |
| | JK105 | 943643102930S | JACK,STEREO,3.5mmMINI,BLACKMOLD EARPHONEJACK,AUX,STRAIGHTTYPE | | CJJ2D029Z | 1 | * | |
| | JK91 | 943643101590S | JACK,USBSTRAIGHT(BLACK1.5A) | | CJJ9X010Z | 1 | | |
| | L1401 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | L9010,9011 | nsp | FERRITECHIPBEAD(2012/220R,CB05YTYH221) | | CLZ9R018V | 2 | | |
| | L9013-9015 | nsp | FERRITECHIPBEAD(2012/220R,CB05YTYH221) | | CLZ9R018V | 3 | | |
| | L9018,9019 | nsp | FERRITECHIPBEAD(2012/220R,CB05YTYH221) | | CLZ9R018V | 2 | | |
| | L9023,9024 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 2 | | |
| | L9026,9027 | nsp | FERRITECHIPBEAD(2012/220R,CB05YTYH221) | | CLZ9R018V | 2 | | |
| | X9001 | 943141100610S | X-TAL,SMD3.2X2.5,12.000MHz,10PF | | COX12000I100ST | 1 | | |

**MAIN PCB ASS'Y**

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

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

BK : Black model SP : Premium Silver model

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | **SEMICONDUCTORS GROUP** | | | | | | | |
| | D5106 | 00D9430182609 | DIODE,SWITCHING | | CVD1SS133MT | 1 | | |
| | D5206 | 00D9430182609 | DIODE,SWITCHING | | CVD1SS133MT | 1 | | |
| | D5306 | 00D9430182609 | DIODE,SWITCHING | | CVD1SS133MT | 1 | | |
| | D5406 | 00D9430182609 | DIODE,SWITCHING | | CVD1SS133MT | 1 | | |
| | D5506 | 00D9430182609 | DIODE,SWITCHING | | CVD1SS133MT | 1 | | |
| | D5601-5604 | 00D9430182609 | DIODE,SWITCHING | | CVD1SS133MT | 4 | | |
| | D5701 | 943203003170S | DIODE,BRIDGE | | HVDGBJ606 | 1 | | |
| | D5703 | 90M-HD302360R | DIODE,ZENER,1/2W,6.8V | | CVDZJ6.8BT | 1 | | |
| | D5704 | 00D9430182609 | DIODE,SWITCHING | | CVD1SS133MT | 1 | | |
| | D5806 | 00D9430182609 | DIODE,SWITCHING | | CVD1SS133MT | 1 | | |
| | Q5101,5102 | 943211500150S | PNP,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSA992FTA | 2 | | |
| | Q5103 | 943213500150S | NPN,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSC1845FTA | 1 | | |
| | Q5104 | 90M-HT800120R | T.R,BIAS | | HVTKTC3114A | 1 | | |
| | Q5105 | 90M-HT400490R | T.R,POWER | | HVT2SD2390 | 1 | | |
| | Q5106 | 90M-HT200440R | T.R,POWER | | HVT2SB1560 | 1 | | |
| | Q5107 | 943212500020S | HighVoltagePNPTransistors(SOT-23) | | CVTMMBT5401 | 1 | | |
| | Q5108 | 943214500040S | HighVoltageNPNTransistors(SOT-23) | | CVTMMBT5551 | 1 | | |
| | Q5201,5202 | 943211500150S | PNP,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSA992FTA | 2 | | |
| | Q5203 | 943213500150S | NPN,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSC1845FTA | 1 | | |
| | Q5204 | 90M-HT800120R | T.R,BIAS | | HVTKTC3114A | 1 | | |
| | Q5205 | 90M-HT400490R | T.R,POWER | | HVT2SD2390 | 1 | | |
| | Q5206 | 90M-HT200440R | T.R,POWER | | HVT2SB1560 | 1 | | |
| | Q5207 | 943212500020S | HighVoltagePNPTransistors(SOT-23) | | CVTMMBT5401 | 1 | | |
| | Q5208 | 943214500040S | HighVoltageNPNTransistors(SOT-23) | | CVTMMBT5551 | 1 | | |
| | Q5301,5302 | 943211500150S | PNP,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSA992FTA | 2 | | |
| | Q5303 | 943213500150S | NPN,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSC1845FTA | 1 | | |
| | Q5304 | 90M-HT800120R | T.R,BIAS | | HVTKTC3114A | 1 | | |
| | Q5305 | 90M-HT400490R | T.R,POWER | | HVT2SD2390 | 1 | | |
| | Q5306 | 90M-HT200440R | T.R,POWER | | HVT2SB1560 | 1 | | |
| | Q5307 | 943212500020S | HighVoltagePNPTransistors(SOT-23) | | CVTMMBT5401 | 1 | | |
| | Q5308 | 943214500040S | HighVoltageNPNTransistors(SOT-23) | | CVTMMBT5551 | 1 | | |
| | Q5401,5402 | 943211500150S | PNP,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSA992FTA | 2 | | |
| | Q5403 | 943213500150S | NPN,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSC1845FTA | 1 | | |
| | Q5404 | 90M-HT800120R | T.R,BIAS | | HVTKTC3114A | 1 | | |
| | Q5405 | 90M-HT400490R | T.R,POWER | | HVT2SD2390 | 1 | | |
| | Q5406 | 90M-HT200440R | T.R,POWER | | HVT2SB1560 | 1 | | |
| | Q5407 | 943212500020S | HighVoltagePNPTransistors(SOT-23) | | CVTMMBT5401 | 1 | | |
| | Q5408 | 943214500040S | HighVoltageNPNTransistors(SOT-23) | | CVTMMBT5551 | 1 | | |
| | Q5501,5502 | 943211500150S | PNP,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSA992FTA | 2 | | |
| | Q5503 | 943213500150S | NPN,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSC1845FTA | 1 | | |
| | Q5504 | 90M-HT800120R | T.R,BIAS | | HVTKTC3114A | 1 | | |
| | Q5505 | 90M-HT400490R | T.R,POWER | | HVT2SD2390 | 1 | | |
| | Q5506 | 90M-HT200440R | T.R,POWER | | HVT2SB1560 | 1 | | |
| | Q5507 | 943212500020S | HighVoltagePNPTransistors(SOT-23) | | CVTMMBT5401 | 1 | | |
| | Q5508 | 943214500040S | HighVoltageNPNTransistors(SOT-23) | | CVTMMBT5551 | 1 | | |
| | Q5601-5604 | 943213500160S | T.R,RT1N237C(2.2K-47K) | | CVTRT1N237C | 4 | | |
| | Q5701 | 943212500020S | HighVoltagePNPTransistors(SOT-23) | | CVTMMBT5401 | 1 | | |
| | Q5702 | 943211500150S | PNP,TO-92,LOWNOISE,HFE:300-600,FAILCHILD | | CVTKSA992FTA | 1 | | |
| | Q5703 | 943214500020S | T.R,2SC3052 | | CVT2SC3052 | 1 | | |
| | Q5704 | 963212500030S | T.R,ISA1530AC1 | | CVTISA1530AC1 | 1 | | |
| | Q5705,5706 | 943214500020S | T.R,2SC3052 | | CVT2SC3052 | 2 | | |
| | Q5707 | 963212500030S | T.R,ISA1530AC1 | | CVTISA1530AC1 | 1 | | |
| | Q5708 | 943214500020S | T.R,2SC3052 | | CVT2SC3052 | 1 | | |
| | Q5806 | 943213500160S | T.R,RT1N237C(2.2K-47K) | | CVTRT1N237C | 1 | | |
| | **RESISTOR GROUP** | | | | | | | |
| | R5101 | nsp | RES,CARBON(1/5W,100Kohm,J) | | CRD20TJ104T | 1 | | |
| | R5102 | nsp | RES,CARBON(1/5W,680ohm,J) | | CRD20TJ681T | 1 | | |
| | R5103 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| | R5104 | nsp | RES,CARBON(1/5W,18Kohm,J) | | CRD20TJ183T | 1 | | |
| | R5105 | nsp | RES,CARBON(1/5W,1.2Kohm,J) | | CRD20TJ122T | 1 | | |
| | R5106 | nsp | RES,M-OXIDEFILM(1W/1.2Kohm) | | CRG1SANJ122RT | 1 | | |
| | R5107 | nsp | RES,CARBON(1/5W,220ohm,J) | | CRD20TJ221T | 1 | | |
| | R5108 | nsp | RES,CARBON(1/5W,470Kohm,J) | | CRD20TJ474T | 1 | | |
| | R5109 | nsp | RES,CARBON(1/5W,33Kohm,J) | | CRD20TJ333T | 1 | | |
| | R5110 | nsp | RES,M-OXIDEFILM(1W/47ohm) | | CRG1SANJ470RT | 1 | | |
| | R5113 | nsp | RES,CARBON(1/5W,2.7Kohm,J) | | CRD20TJ272T | 1 | | |
| | R5114 | nsp | RES,CARBON(1/5W,560ohm,J) | | CRD20TJ561T | 1 | | |
| | R5115,5116 | nsp | RES,M-OXIDEFILM(1W/5.6Kohm) | | CRG1SANJ562RT | 2 | | |
| | R5117,5118 | nsp | RES,M-OXIDEFILM(1W/4.7ohm) | | CRG1SANJ4R7RT | 2 | | |
| | R5119-5122 | 943124500050S | RES,M-OXIDEFILM(2W/0.47ohm) | | CRG2SANJR47RT | 4 | | |
| | R5123 | nsp | RES,CARBON(1/5W,470Kohm,J) | | CRD20TJ474T | 1 | | |
| | R5124 | nsp | RES,CARBON(1/5W,270Kohm,J) | | CRD20TJ274T | 1 | | |
| | R5125 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| ! | R5126 | 252310006537S | PTCTHEMISTORS,CHIP(85'C) | | CRTPRF18BE471QB5RB | 1 | | |
| | R5127 | nsp | RES,CARBON(1/5W,5.6Kohm,J) | | CRD20TJ562T | 1 | | |
| | R5129 | nsp | RES,CARBON(1/5W,15Kohm,J) | | CRD20TJ153T | 1 | | |
| | R5130,5131 | nsp | RES,CARBON(1/5W,22Kohm,J) | | CRD20TJ223T | 2 | | |
| | R5132 | nsp | RES,M-OXIDEFILM(1W/10ohm) | | CRG1SANJ100RT | 1 | | |
| | R5201 | nsp | RES,CARBON(1/5W,100Kohm,J) | | CRD20TJ104T | 1 | | |
| | R5202 | nsp | RES,CARBON(1/5W,680ohm,J) | | CRD20TJ681T | 1 | | |
| | R5203 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| | R5204 | nsp | RES,CARBON(1/5W,18Kohm,J) | | CRD20TJ183T | 1 | | |
| | R5205 | nsp | RES,CARBON(1/5W,1.2Kohm,J) | | CRD20TJ122T | 1 | | |
| | R5206 | nsp | RES,M-OXIDEFILM(1W/1.2Kohm) | | CRG1SANJ122RT | 1 | | |
| | R5207 | nsp | RES,CARBON(1/5W,220ohm,J) | | CRD20TJ221T | 1 | | |
| | R5208 | nsp | RES,CARBON(1/5W,470Kohm,J) | | CRD20TJ474T | 1 | | |
| | R5209 | nsp | RES,CARBON(1/5W,33Kohm,J) | | CRD20TJ333T | 1 | | |
| | R5210 | nsp | RES,M-OXIDEFILM(1W/47ohm) | | CRG1SANJ470RT | 1 | | |
| | R5213 | nsp | RES,CARBON(1/5W,2.7Kohm,J) | | CRD20TJ272T | 1 | | |
| | R5214 | nsp | RES,CARBON(1/5W,560ohm,J) | | CRD20TJ561T | 1 | | |
| | R5215,5216 | nsp | RES,M-OXIDEFILM(1W/5.6Kohm) | | CRG1SANJ562RT | 2 | | |
| | R5217,5218 | nsp | RES,M-OXIDEFILM(1W/4.7ohm) | | CRG1SANJ4R7RT | 2 | | |
| | R5219-5222 | 943124500050S | RES,M-OXIDEFILM(2W/0.47ohm) | | CRG2SANJR47RT | 4 | | |
| | R5223 | nsp | RES,CARBON(1/5W,470Kohm,J) | | CRD20TJ474T | 1 | | |
| | R5224 | nsp | RES,CARBON(1/5W,270Kohm,J) | | CRD20TJ274T | 1 | | |
| | R5225 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| ! | R5226 | 252310006537S | PTCTHEMISTORS,CHIP(85'C) | | CRTPRF18BE471QB5RB | 1 | | |
| | R5227 | nsp | RES,CARBON(1/5W,5.6Kohm,J) | | CRD20TJ562T | 1 | | |
| | R5229 | nsp | RES,CARBON(1/5W,15Kohm,J) | | CRD20TJ153T | 1 | | |
| | R5230,5231 | nsp | RES,CARBON(1/5W,22Kohm,J) | | CRD20TJ223T | 2 | | |
| | R5232 | nsp | RES,M-OXIDEFILM(1W/10ohm) | | CRG1SANJ100RT | 1 | | |
| | R5301 | nsp | RES,CARBON(1/5W,100Kohm,J) | | CRD20TJ104T | 1 | | |
| | R5302 | nsp | RES,CARBON(1/5W,680ohm,J) | | CRD20TJ681T | 1 | | |
| | R5303 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| | R5304 | nsp | RES,CARBON(1/5W,18Kohm,J) | | CRD20TJ183T | 1 | | |
| | R5305 | nsp | RES,CARBON(1/5W,1.2Kohm,J) | | CRD20TJ122T | 1 | | |

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | R5306 | nsp | RES,M-OXIDEFILM(1W/1.2Kohm) | | CRG1SANJ122RT | 1 | | |
| | R5307 | nsp | RES,CARBON(1/5W,220ohm,J) | | CRD20TJ221T | 1 | | |
| | R5308 | nsp | RES,CARBON(1/5W,470Kohm,J) | | CRD20TJ474T | 1 | | |
| | R5309 | nsp | RES,CARBON(1/5W,33Kohm,J) | | CRD20TJ333T | 1 | | |
| | R5310 | nsp | RES,M-OXIDEFILM(1W/47ohm) | | CRG1SANJ470RT | 1 | | |
| | R5313 | nsp | RES,CARBON(1/5W,2.7Kohm,J) | | CRD20TJ272T | 1 | | |
| | R5314 | nsp | RES,CARBON(1/5W,560ohm,J) | | CRD20TJ561T | 1 | | |
| | R5315,5316 | nsp | RES,M-OXIDEFILM(1W/5.6Kohm) | | CRG1SANJ562RT | 2 | | |
| | R5317,5318 | nsp | RES,M-OXIDEFILM(1W/4.7ohm) | | CRG1SANJ4R7RT | 2 | | |
| | R5319-5322 | 943124500050S | RES,M-OXIDEFILM(2W/0.47ohm) | | CRG2SANJR47RT | 4 | | |
| | R5323 | nsp | RES,CARBON(1/5W,470Kohm,J) | | CRD20TJ474T | 1 | | |
| | R5324 | nsp | RES,CARBON(1/5W,270Kohm,J) | | CRD20TJ274T | 1 | | |
| | R5325 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| ! | R5326 | 252310006537S | PTCTHEMISTORS,CHIP(85'C) | | CRTPRF18BE471QB5RB | 1 | | |
| | R5327 | nsp | RES,CARBON(1/5W,5.6Kohm,J) | | CRD20TJ562T | 1 | | |
| | R5329 | nsp | RES,CARBON(1/5W,15Kohm,J) | | CRD20TJ153T | 1 | | |
| | R5330,5331 | nsp | RES,CARBON(1/5W,22Kohm,J) | | CRD20TJ223T | 2 | | |
| | R5332 | nsp | RES,M-OXIDEFILM(1W/10ohm) | | CRG1SANJ100RT | 1 | | |
| | R5401 | nsp | RES,CARBON(1/5W,100Kohm,J) | | CRD20TJ104T | 1 | | |
| | R5402 | nsp | RES,CARBON(1/5W,680ohm,J) | | CRD20TJ681T | 1 | | |
| | R5403 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| | R5404 | nsp | RES,CARBON(1/5W,18Kohm,J) | | CRD20TJ183T | 1 | | |
| | R5405 | nsp | RES,CARBON(1/5W,1.2Kohm,J) | | CRD20TJ122T | 1 | | |
| | R5406 | nsp | RES,M-OXIDEFILM(1W/1.2Kohm) | | CRG1SANJ122RT | 1 | | |
| | R5407 | nsp | RES,CARBON(1/5W,220ohm,J) | | CRD20TJ221T | 1 | | |
| | R5408 | nsp | RES,CARBON(1/5W,470Kohm,J) | | CRD20TJ474T | 1 | | |
| | R5409 | nsp | RES,CARBON(1/5W,33Kohm,J) | | CRD20TJ333T | 1 | | |
| | R5410 | nsp | RES,M-OXIDEFILM(1W/47ohm) | | CRG1SANJ470RT | 1 | | |
| | R5413 | nsp | RES,CARBON(1/5W,2.7Kohm,J) | | CRD20TJ272T | 1 | | |
| | R5414 | nsp | RES,CARBON(1/5W,560ohm,J) | | CRD20TJ561T | 1 | | |
| | R5415,5416 | nsp | RES,M-OXIDEFILM(1W/5.6Kohm) | | CRG1SANJ562RT | 2 | | |
| | R5417,5418 | nsp | RES,M-OXIDEFILM(1W/4.7ohm) | | CRG1SANJ4R7RT | 2 | | |
| | R5419-5422 | 943124500050S | RES,M-OXIDEFILM(2W/0.47ohm) | | CRG2SANJR47RT | 4 | | |
| | R5423 | nsp | RES,CARBON(1/5W,470Kohm,J) | | CRD20TJ474T | 1 | | |
| | R5424 | nsp | RES,CARBON(1/5W,270Kohm,J) | | CRD20TJ274T | 1 | | |
| | R5425 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| ! | R5426 | 252310006537S | PTCTHEMISTORS,CHIP(85'C) | | CRTPRF18BE471QB5RB | 1 | | |
| | R5427 | nsp | RES,CARBON(1/5W,5.6Kohm,J) | | CRD20TJ562T | 1 | | |
| | R5429 | nsp | RES,CARBON(1/5W,15Kohm,J) | | CRD20TJ153T | 1 | | |
| | R5430,5431 | nsp | RES,CARBON(1/5W,22Kohm,J) | | CRD20TJ223T | 2 | | |
| | R5432 | nsp | RES,M-OXIDEFILM(1W/10ohm) | | CRG1SANJ100RT | 1 | | |
| | R5501 | nsp | RES,CARBON(1/5W,100Kohm,J) | | CRD20TJ104T | 1 | | |
| | R5502 | nsp | RES,CARBON(1/5W,680ohm,J) | | CRD20TJ681T | 1 | | |
| | R5503 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| | R5504 | nsp | RES,CARBON(1/5W,18Kohm,J) | | CRD20TJ183T | 1 | | |
| | R5505 | nsp | RES,CARBON(1/5W,1.2Kohm,J) | | CRD20TJ122T | 1 | | |
| | R5506 | nsp | RES,M-OXIDEFILM(1W/1.2Kohm) | | CRG1SANJ122RT | 1 | | |
| | R5507 | nsp | RES,CARBON(1/5W,220ohm,J) | | CRD20TJ221T | 1 | | |
| | R5508 | nsp | RES,CARBON(1/5W,470Kohm,J) | | CRD20TJ474T | 1 | | |
| | R5509 | nsp | RES,CARBON(1/5W,33Kohm,J) | | CRD20TJ333T | 1 | | |
| | R5510 | nsp | RES,M-OXIDEFILM(1W/47ohm) | | CRG1SANJ470RT | 1 | | |
| | R5513 | nsp | RES,CARBON(1/5W,2.7Kohm,J) | | CRD20TJ272T | 1 | | |
| | R5514 | nsp | RES,CARBON(1/5W,560ohm,J) | | CRD20TJ561T | 1 | | |
| | R5515,5516 | nsp | RES,M-OXIDEFILM(1W/5.6Kohm) | | CRG1SANJ562RT | 2 | | |
| | R5517,5518 | nsp | RES,M-OXIDEFILM(1W/4.7ohm) | | CRG1SANJ4R7RT | 2 | | |
| | R5519-5522 | 943124500050S | RES,M-OXIDEFILM(2W/0.47ohm) | | CRG2SANJR47RT | 4 | | |
| | R5523 | nsp | RES,CARBON(1/5W,470Kohm,J) | | CRD20TJ474T | 1 | | |
| | R5524 | nsp | RES,CARBON(1/5W,270Kohm,J) | | CRD20TJ274T | 1 | | |
| | R5525 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| ! | R5526 | 252310006537S | PTCTHEMISTORS,CHIP(85'C) | | CRTPRF18BE471QB5RB | 1 | | |
| | R5527 | nsp | RES,CARBON(1/5W,5.6Kohm,J) | | CRD20TJ562T | 1 | | |
| | R5529 | nsp | RES,CARBON(1/5W,15Kohm,J) | | CRD20TJ153T | 1 | | |
| | R5530,5531 | nsp | RES,CARBON(1/5W,22Kohm,J) | | CRD20TJ223T | 2 | | |
| | R5532 | nsp | RES,M-OXIDEFILM(1W/10ohm) | | CRG1SANJ100RT | 1 | | |
| | R5701 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| | R5702 | nsp | RES,CARBON(1/5W,22Kohm,J) | | CRD20TJ223T | 1 | | |
| | R5703 | nsp | RES,M-OXIDEFILM(1W/33ohm) | | CRG1SANJ330RT | 1 | | |
| | R5704 | nsp | RES,M-OXIDEFILM(1W/100ohm) | | CRG1SANJ101RT | 1 | | |
| | R5705 | nsp | RES,CARBON(1/5W,100Kohm,J) | | CRD20TJ104T | 1 | | |
| | R5706 | nsp | RES,CARBON(1/5W,10Kohm,J) | | CRD20TJ103T | 1 | | |
| | R5707 | nsp | RES,CARBON(1/5W,100Kohm,J) | | CRD20TJ104T | 1 | | |
| | R5708 | nsp | RES,CARBON(1/5W,15Kohm,J) | | CRD20TJ153T | 1 | | |
| | R5711 | nsp | RES,CARBON(1/5W,1.2Kohm,J) | | CRD20TJ122T | 1 | | |
| | R5712,5713 | nsp | RES,CARBON(1/5W,2.2Kohm,J) | | CRD20TJ222T | 2 | | |
| | R5715-5717 | nsp | RES,M-OXIDEFILM(1W/2.2Kohm) | | CRG1SANJ222RT | 3 | | |
| | R5721-5725 | nsp | RES,M-OXIDEFILM(2W/10ohm) | | CRG2SANJ100RT | 5 | | |
| | R5726,5727 | nsp | RES,M-OXIDEFILM(2W/470ohm) | | CRG2SANJ471RT | 2 | | |
| | RY560 | 943682000810S | RELAY,BC3-12H,DC12V,2C2P | | CSL4A016ZU | 1 | | |
| | RY562-564 | 943682100270S | RELAY,981-2A-12DS,DC12V,2C1P | | CSL3A022ZU | 3 | | |
| | RY586 | 943682100520S | RELAY,942H-2C-12DS,DC12V,2C2P 410mW,5A250VAC/30VDC | | CSL4A022ZU | 1 | * | |
| | **CAPACIITORS GROUP** | | | | | | | |
| | C5101 | 943134500070S | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 1 | | |
| | C5102 | nsp | CAP,MYLAR(100V/470pF/J) | | HCQI2A471JZT | 1 | | |
| | C5103 | nsp | CAP,CERAMIC(50V/82pF/J) | | CCCT1H820JC | 1 | | |
| | C5104 | nsp | CAP,MYLAR(50V/2200pF/J) | | HCQI1H222JZT | 1 | | |
| | C5105 | 943134501770S | CAP,ELECT(50V/220uF) | | CCEA1HH221T | 1 | | |
| | C5106 | nsp | CAP,CERAMIC(50V/33pF/J) | | CCCT1H330JC | 1 | | |
| | C5107 | 943134500070S | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 1 | | |
| | C5108 | 13405014940AS | CAP,ELECT(63V/100uF) 85'C10X12.5KOSHIN | | CCEA1JH101T | 1 | | |
| | C5109 | nsp | CAP,MYLAR(50V/0.1uF/J) | | HCQI1H104JZT | 1 | | |
| | C5201 | 943134500070S | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 1 | | |
| | C5202 | nsp | CAP,MYLAR(100V/470pF/J) | | HCQI2A471JZT | 1 | | |
| | C5203 | nsp | CAP,CERAMIC(50V/82pF/J) | | CCCT1H820JC | 1 | | |
| | C5204 | nsp | CAP,MYLAR(50V/2200pF/J) | | HCQI1H222JZT | 1 | | |
| | C5205 | 943134501770S | CAP,ELECT(50V/220uF) | | CCEA1HH221T | 1 | | |
| | C5206 | nsp | CAP,CERAMIC(50V/33pF/J) | | CCCT1H330JC | 1 | | |
| | C5207 | 943134500070S | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 1 | | |
| | C5208 | 13405014940AS | CAP,ELECT(63V/100uF) 85'C10X12.5KOSHIN | | CCEA1JH101T | 1 | | |
| | C5209 | nsp | CAP,MYLAR(50V/0.1uF/J) | | HCQI1H104JZT | 1 | | |
| | C5301 | 943134500070S | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 1 | | |
| | C5302 | nsp | CAP,MYLAR(100V/470pF/J) | | HCQI2A471JZT | 1 | | |
| | C5303 | nsp | CAP,CERAMIC(50V/82pF/J) | | CCCT1H820JC | 1 | | |
| | C5304 | nsp | CAP,MYLAR(50V/2200pF/J) | | HCQI1H222JZT | 1 | | |
| | C5305 | 943134501770S | CAP,ELECT(50V/220uF) | | CCEA1HH221T | 1 | | |
| | C5306 | nsp | CAP,CERAMIC(50V/33pF/J) | | CCCT1H330JC | 1 | | |
| | C5307 | 943134500070S | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 1 | | |
| | C5308 | 13405014940AS | CAP,ELECT(63V/100uF) 85'C10X12.5KOSHIN | | CCEA1JH101T | 1 | | |
| | C5309 | nsp | CAP,MYLAR(50V/0.1uF/J) | | HCQI1H104JZT | 1 | | |
| | C5401 | 943134500070S | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 1 | | |
| | C5402 | nsp | CAP,MYLAR(100V/470pF/J) | | HCQI2A471JZT | 1 | | |
| | C5403 | nsp | CAP,CERAMIC(50V/82pF/J) | | CCCT1H820JC | 1 | | |
| | C5404 | nsp | CAP,MYLAR(50V/2200pF/J) | | HCQI1H222JZT | 1 | | |
| | C5405 | 943134501770S | CAP,ELECT(50V/220uF) | | CCEA1HH221T | 1 | | |
| | C5406 | nsp | CAP,CERAMIC(50V/33pF/J) | | CCCT1H330JC | 1 | | |

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | C5407 | 943134500070S | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 1 | | |
| | C5408 | 13405014940AS | CAP,ELECT(63V/100uF) 85'C10X12.5KOSHIN | | CCEA1JH101T | 1 | | |
| | C5409 | nsp | CAP,MYLAR(50V/0.1uF/J) | | HCQI1H104JZT | 1 | | |
| | C5501 | 943134500070S | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 1 | | |
| | C5502 | nsp | CAP,MYLAR(100V/470pF/J) | | HCQI2A471JZT | 1 | | |
| | C5503 | nsp | CAP,CERAMIC(50V/82pF/J) | | CCCT1H820JC | 1 | | |
| | C5504 | nsp | CAP,MYLAR(50V/2200pF/J) | | HCQI1H222JZT | 1 | | |
| | C5505 | 943134501770S | CAP,ELECT(50V/220uF) | | CCEA1HH221T | 1 | | |
| | C5506 | nsp | CAP,CERAMIC(50V/33pF/J) | | CCCT1H330JC | 1 | | |
| | C5507 | 943134500070S | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 1 | | |
| | C5508 | 13405014940AS | CAP,ELECT(63V/100uF) 85'C10X12.5KOSHIN | | CCEA1JH101T | 1 | | |
| | C5509 | nsp | CAP,MYLAR(50V/0.1uF/J) | | HCQI1H104JZT | 1 | | |
| | C5605,5606 | nsp | CAP,MYLAR(50V/0.018pF/J) | | HCQI1H183JZT | 2 | | |
| | C5607,5608 | nsp | CAP,MYLAR(50V/1500pF/J) | | HCQI1H152JZT | 2 | | |
| | C5609-5611 | nsp | CAP,MYLAR(50V/0.018pF/J) | | HCQI1H183JZT | 3 | | |
| | C5612-5614 | nsp | CAP,MYLAR(50V/1500pF/J) | | HCQI1H152JZT | 3 | | |
| | C5701 | nsp | CAP,MYLAR(50V/0.01uF/J) | | HCQI1H103JZT | 1 | | |
| | C5702,5703 | 90M-OF100490R | CAP,METALPEFILM(250V/0.1uF) | | KCME2E104JP04T | 2 | | |
| | C5704 | 943134010460S | CAP,ELECT(30X35)WITHOUTPLATEONTHETOP | | CCET63VKL5682NKZ | 1 | | |
| | C5706 | 943134010460S | CAP,ELECT(30X35)WITHOUTPLATEONTHETOP | | CCET63VKL5682NKZ | 1 | | |
| | C5707 | nsp | CAP,ELECT(50V/0.1uF) | | CCEA1HH0R1T | 1 | | |
| | C5708 | nsp | CAP,ELECT(100V/100uF) | | CCEA2AH101E | 1 | | |
| | C5710 | nsp | CAP,MYLAR(50V/0.1uF/J) | | HCQI1H104JZT | 1 | | |
| | C5711 | nsp | CAP,ELECT(6.3V/470uF) | | CCEA0JH471T | 1 | | |
| | C5712 | nsp | CAP,MYLAR(50V/0.1uF/J) | | HCQI1H104JZT | 1 | | |
| | C5713 | nsp | CAP,ELECT(6.3V/470uF) | | CCEA0JH471T | 1 | | |
| | C5716 | nsp | CAP,ELECT(16V/47uF) | | CCEA1CH470T | 1 | | |
| | C5717 | nsp | CAP,ELECT(50V/10uF) | | CCEA1HH100T | 1 | | |
| | C5718-5722 | nsp | CAP,MYLAR(50V/0.047uF/J) | | HCQI1H473JZT | 5 | | |
| | C5723 | nsp | CAP,ELECT(50V/10uF) | | CCEA1HH100T | 1 | | |
| | **OTHER PARTS GROUP** | | | | | | | |
| | CN503 | nsp | WAFER,7P(DIP,3.96PITCH) 3.96mmPitchWireToBoardDipType(YW396-07AB) | | CJP07GA90ZY | 1 | | |
| | CN510 | nsp | WAFER/STRAIGHT/2.5mm/2P | | CJP02GA01ZY | 1 | | |
| | CN520 | nsp | WAFER/STRAIGHT/2.5mm/2P | | CJP02GA01ZY | 1 | | |
| | CN530 | nsp | WAFER/STRAIGHT/2.5mm/2P | | CJP02GA01ZY | 1 | | |
| | CN540 | nsp | WAFER/STRAIGHT/2.5mm/2P | | CJP02GA01ZY | 1 | | |
| | CN550 | nsp | WAFER/STRAIGHT/2.5mm/2P | | CJP02GA01ZY | 1 | | |
| | BK501 | nsp | BRACKET,PCB | | CMD1A569-V1 | 1 | | |
| | BN501 | nsp | WIREASS'YLocking(YH)(13P,2MM,150MM,#26) | | CWB1B013150HC | 1 | | |
| | BN502 | nsp | WIREASS'YLocking(YH)(9P,2MM,150MM,#26) 80'C1007#26BLK/(RED)Locking-Borad in | | CWB1B009150HC | 1 | | |
| | BN505 | nsp | WIREASS'YLocking(YH)(3P,2MM,220MM,#26) 105'C1569#26BLK/(RED)Locking-Borad in | | CWB4B003220HC | 1 | | |
| | BN508 | nsp | PINHEADER(09P,1.25mm,STRAIGHT,B-TO-B) | | CJP09GI281Z | 1 | | |
| | ET501 | nsp | PLATE,EARTH(TRONICELECTRONICS) | | CJT1A026 | 1 | | |
| | F5801,5802 | nsp | HOLDER,FUSE | | KJCFC5S | 2 | | |
| | JK503 | 943643102350S | 4PPUSHSPK(RW/BB,NOSPCC,94V-0) RED,WHITE,BLACK,BLACK | | CJJ5P038Z | 1 | | |
| | JK504 | 943643102360S | 6PPUSHSPK(GBB/BBB,NOSPCC,94V-0) GREEN,GRAY,BLUE,BLACK,BLACK,BLACK | | CJJ5R021Z | 1 | | |
| | L5101 | 943115100310S | COIL,SPEAKER(0.5UH) | | CLEY0R5KAD | 1 | | |
| | L5201 | 943115100310S | COIL,SPEAKER(0.5UH) | | CLEY0R5KAD | 1 | | |
| | L5301 | 943115100310S | COIL,SPEAKER(0.5UH) | | CLEY0R5KAD | 1 | | |
| | L5401 | 943115100310S | COIL,SPEAKER(0.5UH) | | CLEY0R5KAD | 1 | | |
| | L5501 | 943115100310S | COIL,SPEAKER(0.5UH) | | CLEY0R5KAD | 1 | | |
| | TU500 | 943183100510S | TUNER,FM(SCREW:FTYPE),AM,SI4730-D60 SI4730-D60 | E3 | CNVYST990-A9U1 | 1 | * | |
| | TU500 | 943183100500S | TUNER,FM(PALTYPE),AM,SI4730-D60 SI4730-D60 | E1C | CNVYST990-A2J1 | 1 | * | |
| | TU500 | 943183100520S | TUNER,RDS,FM(PALTYPE),AM,SI4731-D60 SI4731-D60 | E1 | CNVYST990-D8E1 | 1 | * | |
| | VR510 | 963161012400S | RES,SEMIFIXED(1K,BCURVE) | | CVN1RA102B03T | 1 | | |
| | VR520 | 963161012400S | RES,SEMIFIXED(1K,BCURVE) | | CVN1RA102B03T | 1 | | |
| | VR530 | 963161012400S | RES,SEMIFIXED(1K,BCURVE) | | CVN1RA102B03T | 1 | | |
| | VR540 | 963161012400S | RES,SEMIFIXED(1K,BCURVE) | | CVN1RA102B03T | 1 | | |
| | VR550 | 963161012400S | RES,SEMIFIXED(1K,BCURVE) | | CVN1RA102B03T | 1 | | |

**POWER PCB ASS'Y**

※Parts indicated by "nsp"on this table cannot be supplied.
※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.
E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

BK : Black model SP : Premium Silver model

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | **SEMICONDUCTORS GROUP** | | | | | | | |
| | D3001-3004 | 00D9630328409 | CVD1N4007ST DIODE,RECTIFIER,AXIAL | | CVD1N4007ST | 4 | | |
| | D3103,3104 | 00D9430182609 | CVD1SS133MT DIODE,SWITCHING | | CVD1SS133MT | 2 | | |
| | D6001-6008 | 00D9630328409 | CVD1N4007ST DIODE,RECTIFIER,AXIAL | | CVD1N4007ST | 8 | | |
| | D6009 | 00D9430182609 | CVD1SS133MT DIODE,SWITCHING | | CVD1SS133MT | 1 | | |
| | D6012 | 00D9630328409 | CVD1N4007ST DIODE,RECTIFIER,AXIAL | | CVD1N4007ST | 1 | | |
| | D6013 | 943204500310S | CVDRBQ30T65A DIODE,SchottkyBattier(TO220FN) 65V,30A | | CVDRBQ30T65A | 1 | | |
| | IC301 | 943232100370S | CVIKIA7812BPI I.C,REGULATOR(+12V,TO220) | | CVIKIA7812BPI | 1 | | |
| | IC302 | 00D9430183909 | HVIKIA7912PI I.C,REGULATOR | | HVIKIA7912PI | 1 | | |
| | IC305 | 943231010390S | CVIKIA7805BPI I.C,REGULATOR(+5V,T0220IS) | | CVIKIA7805BPI | 1 | | |
| ! | IC601 | 231010091708S | CVITOP258MG I.C,OFF-LINEPOWERSWITCH | | CVITOP258MG | 1 | | |
| ! | IC602 | 963239010480S | CVIPC123Y22FZ0F I.C,PHOTOCOUPLER | | CVIPC123Y22FZ0F | 1 | | |
| | IC603 | 212050010508S | CVIKIA2431AP I.C,SHUNTREGULATOR(TO-92) | | CVIKIA2431AP | 1 | | |
| | Q6002 | 943229500110S | CVTINK0010AC1 F.E.T,INK0010AC1(N-CH,SC-59,MOSFET,ISAHAYA) | | CVTINK0010AC1 | 1 | | |
| | Q6003 | 943214500020S | CVT2SC3052 T.R,2SC3052 | | CVT2SC3052 | 1 | | |
| | ZD608-610 | 00D2760762958 | CVDZJ39BT DIODE,ZENER,1/2W,39V | E3 | CVDZJ39BT | 3 | | |
| | ZD611-618 | 963202010440S | CVDZJ22BT DIODE,ZENER,1/2W,22V | | CVDZJ22BT | 8 | | |
| | ZD619 | 90M-HD302360R | CVDZJ6.8BT DIODE,ZENER,1/2W,6.8V | | CVDZJ6.8BT | 1 | | |
| | ZD620 | 00D2760762958 | CVDZJ39BT DIODE,ZENER,1/2W,39V | | CVDZJ39BT | 1 | | |
| | ZD621 | 00D9430196306 | CVDZJ7.5BT DIODE,ZENER,1/2W,7.5V | E3 | CVDZJ7.5BT | 1 | | |
| | ZD621 | 943202000940S | CVDZJ16BT DIODE,ZENER,1/2W,16V | E1, E1C | CVDZJ16BT | 1 | | |
| | **RESISTOR GROUP** | | | | | | | |
| | R6004 | nsp | CRD20TJ334T RES,CARBON(1/5W,330Kohm,J) | | CRD20TJ334T | 1 | | |
| | R6006 | nsp | CRJ10DJ105T RES,CHIP(1608/5%/1Mohm) | | CRJ10DJ105T | 1 | | |
| | R6008,6009 | nsp | CRD20TJ225T RES,CARBON(1/5W,2.2Mohm,J) | E3 | CRD20TJ225T | 2 | | |
| | R6010 | nsp | CRD20TJ105T RES,CARBON(1/5W,1Mohm,J) | E3 | CRD20TJ105T | 1 | | |
| | R6010 | nsp | CRD20TJ105T RES,CARBON(1/5W,1Mohm,J) | E3 | CRD20TJ105T | 1 | | |
| | R6011 | nsp | CRJ10DJ100T RES,CHIP(1608/5%/10ohm) | | CRJ10DJ100T | 1 | | |
| | R6012 | nsp | CRJ10DJ274T RES,CHIP(1608/5%/270Kohm) | E3 | CRJ10DJ274T | 1 | | |
| | R6012 | nsp | CRJ10DJ563T RES,CHIP(1608/5%/56Kohm) | E1, E1C | CRJ10DJ563T | 1 | | |
| | R6013 | nsp | CRJ10DJ153T RES,CHIP(1608/5%/15Kohm) | | CRJ10DJ153T | 1 | | |
| | R6014 | nsp | CRJ10DJ102T RES,CHIP(1608/5%/1Kohm) | | CRJ10DJ102T | 1 | | |
| | R6015 | nsp | CRD20TJ6R8T RES,CARBON(1/5W,6.8ohm,J) | | CRD20TJ6R8T | 1 | | |
| | R6016 | nsp | CRD20TJ560T RES,CARBON(1/5W,56ohm,J) | | CRD20TJ560T | 1 | | |
| | R6017 | nsp | CRD20TJ332T RES,CARBON(1/5W,3.3Kohm,J) | | CRD20TJ332T | 1 | | |
| | R6018 | nsp | CRD20TJ562T RES,CARBON(1/5W,5.6Kohm,J) | | CRD20TJ562T | 1 | | |
| | R6019 | nsp | CRJ10DF2202T RES,CHIP(1608/1%/22Kohm) | | CRJ10DF2202T | 1 | | |
| | R6022 | nsp | CRJ10DF6801T RES,CHIP(1608/1%/6.8Kohm) | | CRJ10DF6801T | 1 | | |
| | R6024 | nsp | CRJ10DJ103T RES,CHIP(1608/5%/10Kohm) | | CRJ10DJ103T | 1 | | |
| | R6025 | nsp | CRJ10DJ472T RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 1 | | |
| | R6027-6030 | nsp | CRJ18AJ825T RES,CHIP(2012/5%/8.2Mohm) 1/8W,2012SIZE | | CRJ18AJ825T | 4 | | |
| | R6031-6033 | nsp | CRJ18AJ105T RES,CHIP(2012/5%/1Mohm) | | CRJ18AJ105T | 3 | | |
| ! | RY601 | 963682010370S | CSL1C006ZE RELAY,HL31-1AT-5H,DC5V,1C1P | | CSL1C006ZE | 1 | | |
| | **CAPACIITORS GROUP** | | | | | | | |
| | C3005 | 00MOF15104040 | CCME2A104JXT CAP,METAL-FILM(100V/0.1uF) | | CCME2A104JXT | 1 | | |
| | C3006 | 943134010620S | CCEA1EH472E CAP,ELECT(25V/4700uF) | | CCEA1EH472E | 1 | | |
| | C3007 | 00MOA33802520 | CCEA1EH332E CAP,ELECT(25V/3300uF) | | CCEA1EH332E | 1 | | |
| | C3008 | 943134502350S | CCEA1HH471E CAP,ELECT(50V/470uF) | | CCEA1HH471E | 1 | | |
| | C3012,3013 | 943134502350S | CCEA1HH471E CAP,ELECT(50V/470uF) | | CCEA1HH471E | 2 | | |
| ! | C6001-6003 | 963132011940S | CCKDKY103MFM CAP,CERAMIC(X1/Y2,0.01uF,AC250V) | | CCKDKY103MFM | 3 | | |
| | C6004 | 943134501590S | CCET200NHA101ES CAP,ELECT(200V/100uF),105'C | E3 | CCET200NHA101ES | 1 | | |
| | C6004 | 963134010200S | CCET400NHA101ES CAP,ELECT(400V/100UF,18X40,NHA) | E1, E1C | CCET400NHA101ES | 1 | | |
| | C6005 | nsp | CCUS1H473KCS CAP,CHIP(1608,50V/0.047uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUS1H473KCS | 1 | | |
| | C6006 | nsp | CCUS1H103KCS CAP,CHIP(1608,50V/0.01uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUS1H103KCS | 1 | | |
| | C6007 | nsp | CCUS1H104KCS CAP,CHIP(1608,50V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C6008 | 00D9430175108 | CCEA1HNXA100TS CAP,ELECT(50V/10uF),105'C | | CCEA1HNXA100TS | 1 | | |
| | C6009 | nsp | CCUS1H104KCS CAP,CHIP(1608,50V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C6011 | 963132010120S | CCKDDEH102KCM CAP,CERAMIC(DC1KV/1000pF) | | CCKDDEH102KCM | 1 | | |
| | C6012 | nsp | CCUS1H104KCS CAP,CHIP(1608,50V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C6013 | 00MOA47602520 | CCEA1ENXA470TS CAP,ELECT(25V/47uF),105'C | | CCEA1ENXA470TS | 1 | | |
| | C6014 | nsp | CCUS1H104KCS CAP,CHIP(1608,50V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C6015 | nsp | CCUS0J475KCS CAP,CHIP(1608,6.3V/4.7uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUS0J475KCS | 1 | | |
| | C6018,6019 | 963134010220S | CCEA0JNXA562ES CAP,ELECT(6.3V/5600uF) | | CCEA0JNXA562ES | 2 | | |
| | C6020 | nsp | CCUS1H104KCS CAP,CHIP(1608,50V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| ! | C6023 | 963132011930S | CCKDKX222MEM CAP,CERAMIC(X1/Y1,2200P,AC250V) | | CCKDKX222MEM | 1 | | |
| | C6024 | nsp | CCUS1H104KCS CAP,CHIP(1608,50V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C6026 | 943132100510S | CCUP3A470JA CAP,CHIP(3216,1KV/47pF,X7R) 1KV,47pF | S700/X110共通 | CCUP3A470JA | 1 | * | |
| | **OTHER PARTS GROUP** | | | | | | | |
| | CN302 | nsp | CJP05GA01ZY WAFER/STRAIGHT/2.5mm/5P | | CJP05GA01ZY | 1 | | |
| | CN601 | nsp | CJP02KA060ZY WAFER,2P,3.96mm | | CJP02KA060ZY | 1 | | |
| | CN602 | nsp | CJP02GA89ZY WAFER,2P,7.92mm | | CJP02GA89ZY | 1 | | |
| ! | CX601 | 943139500020S | HCQF2E104KZE CAP,POLYPROPYLENEFILM | | HCQF2E104KZE | 1 | | |
| ! | CY601,602 | 963134011730S | CCKDKX471KBM CAP,CERAMIC(X1/Y1,470P,AC250V) | | CCKDKX471KBM | 2 | | |
| | BK301,302 | nsp | CMD1A569-V1 BRACKET,PCB | | CMD1A569-V1 | 2 | | |
| | BK303 | nsp | CMD1A387-V1 BRACKET,PCB | | CMD1A387-V1 | 1 | | |
| | BK601,602 | nsp | CMD1A834 BRACKET,PCBM3 | | CMD1A834 | 2 | | |
| | BK603 | nsp | CMD1A629 BRACKET,PCB | | CMD1A629 | 1 | | |
| | BN301 | nsp | CWB1C0071303D WIREASS'YLocking(YH)(7P,2.5MM,130MM,#24) 80'C1007#24BLK/(RED)Locking-Borad_in | | CWB1C0071303D | 1 | | |
| | BN601 | nsp | CWB1D0052203D WIREASS'YLocking(YH)(5P,2.5MM,220MM,#22) 80'C1007#22BLK/(RED)Locking-Borad_in | | CWB1D0052203D | 1 | | |
| | F3003,3004 | 943652500510D | CBA2J1250TLEBT FUSE(932Series,250V/1.25A) 932Series,250V/1.25A,Sub-miniatureFuse | | CBA2J1250TLEBT | 2 | * | |
| | F6001,6002 | nsp | KJCFC5S HOLDER,FUSE | | KJCFC5S | 2 | | |
| ! | F6001 | 963652010510S | FUSE(S506Series,250V,2A) | E3 | CBA2C2000TLEC | 1 | | |
| ! | F6001 | 963652010500S | FUSE(S506Series,250V,1.6A) | E1, E1C | CBA2C1600TLEC | 1 | | |
| ! | LF602 | 963111010230S | CLZ9Z126Z LINEFILTER,27mH | E3 | CLZ9Z126Z | 1 | | |
| ! | LF602 | 943111100410S | CLZ9Z133Z LINEFILTER,50mH | E1, E1C | CLZ9Z133Z | 1 | | |
| ! | T6001 | 943102100350S | CLT9Z093ZE TRANS,SWITCHING TT3-ASST00204 | | CLT9Z093ZE | 1 | | |

**DIGTAL PCB ASS'Y**

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

※The parts listed i NOTE:The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

BK : Black model SP : Premium Silver model

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | **SEMICONDUCTORS GROUP** | | | | | | | |
| | D7105,7106 | 943202500730S | DIODE,ZENER(5.1V/0.5W,SOD-123) | | CVDMM1Z5V1H | 2 | | |
| | D7501-7503 | 943209001080S | DIODE,CHIP,SWITCHING | | CVD1SS355T | 3 | | |
| | D7601,7602 | 00D9430196306 | DIODE,ZENER,1/2W,7.5V | | CVDZJ7.5BT | 2 | | |
| | D7605-7607 | 943209001080S | DIODE,CHIP,SWITCHING | | CVD1SS355T | 3 | | |
| | D7608 | 943202500720S | DIODE,ZENER(3.6V/0.5W,SOD-123) | | CVDMM1Z3V6H | 1 | | |
| | IC711 | – | I.C,FLASH32BITMCU(LQFP-144P) ARM32bitMCU1MBFlash | | CVISTM32F101ZG | 1 | | |
| | IC711 L | 943243102140D | I.C,MAINMCU(AVR-S500BT_X510BT) | | CVIANAM1891AV | 1 | * | |
| | IC712 | 943246010440S | I.C,EEPROM(32Kbit)ST | | CVIM24C32WMN6TP | 1 | | |
| | IC721 | 943236012460S | I.C,HDMITransceiver(LQFP-144P) | | CVIADV7623BSTZ | 1 | | |
| | IC722 | – | I.C,SERIALFLASH(32M) | | CVIMX25L3206EM2I-12G | 1 | | |
| | IC722 L | 943248102640D | I.C,OSD ROM (AVR-S500BT_X510BT) | | CVIANAM1892AV | 1 | * | |
| | IC731 | 963236101810S | I.C,HDMI2.0Transceiver(HQFP-144P) 4K2K/60Hz,RX4,TX2 | | CVIMN8647781 | 1 | * | |
| | IC741 | 943245010410S | EOLitemI.C,DSP(CIRRUSLOGIC) | | CVICS497024CVZ | 1 | | |
| | IC742 | – | I.C,SERIALFLASH(8M) | | CVIMX25L8006EM2I-12G | 1 | | |
| | IC742 L | 943248102650D | I.C,DSP ROM (AVR-S500BT_X510BT) | | CVIANAM1893AV | 1 | * | |
| | IC743 | 943236101210S | I.C,16MBSDRAM(TSOP-50P) | | CVIM12L16161A5TG2Q | 1 | | |
| | IC744 | 90M-HC110090R | I.C,CODEC+DIR(CIRRUSLOGIC) | | HVICS42528-CQ | 1 | | |
| | IC745-747 | 00D2623198902 | I.C,QUAD2-CHANNELMUX(TSSOP-16) | | HVITC74VHC157FT | 3 | | |
| | IC751-753 | 943239101070S | I.C,DC-DCCONVERTER(3A,QFNT&R-24P) DC-DCConverter,3.2MHz,WithIntegratedInductor | | CVIEN5339QI | 3 | | |
| | IC755 | 943239100730S | I.C,SYSTEMRESET(4.8V,SOT-25A) SystemResetIC,SOT-25A | | CVIPST8448NR_A | 1 | | |
| | IC756 | 943239010400S | I.C,REGULATOR(3.3V/TO-252) | | CVINJM2845DL133 | 1 | | |
| | IC761 | 943235100520S | I.C,INPUTWITH8CHVOLUME(52PLQFP) | | CVINJU72340AFH3 | 1 | | |
| | IC762-764 | 943232100380S | I.C,DUALOPAMP(SOP-8P) LowTHD0.0005%,FORIMPROVINGTHETONECONTROL | | CVINJM8080G | 3 | | |
| | IC766,767 | 00MHC10172090 | I.C,OPAMP | | HVINJM2115MTE1 | 2 | | |
| | Q7105-7108 | 943214500020S | T.R,2SC3052 | | CVT2SC3052 | 4 | | |
| | Q7109 | 963212500030S | T.R,ISA1530AC1 | | CVTISA1530AC1 | 1 | | |
| | Q7110 | 943214500020S | T.R,2SC3052 | | CVT2SC3052 | 1 | | |
| | Q7201-7206 | 943216500020S | T.R,RT1N141C(10K-10K) | | CVTRT1N141C | 6 | | |
| | Q7301-7304 | 943216500020S | T.R,RT1N141C(10K-10K) | | CVTRT1N141C | 4 | | |
| | Q7501 | 943216500050S | T.R,RT1N441C(47K-47K) | | CVTRT1N441C | 1 | | |
| | Q7502,7503 | 943229500020S | MOSFET,TPC6111(P-CH,U-MOSV) | | CVTTPC6111 | 2 | | |
| | Q7504,7505 | 943216500050S | T.R,RT1N441C(47K-47K) | | CVTRT1N441C | 2 | | |
| | Q7506 | 943229500020S | MOSFET,TPC6111(P-CH,U-MOSV) | | CVTTPC6111 | 1 | | |
| | Q7507 | 943216500050S | T.R,RT1N441C(47K-47K) | | CVTRT1N441C | 1 | | |
| | Q7508 | 943229500020S | MOSFET,TPC6111(P-CH,U-MOSV) | | CVTTPC6111 | 1 | | |
| | Q7509 | 943216500050S | T.R,RT1N441C(47K-47K) | | CVTRT1N441C | 1 | | |
| | Q7510 | 943229500020S | MOSFET,TPC6111(P-CH,U-MOSV) | | CVTTPC6111 | 1 | | |
| | Q7512 | 943214500020S | T.R,2SC3052 | | CVT2SC3052 | 1 | | |
| | Q7513 | 963212500030S | T.R,ISA1530AC1 | | CVTISA1530AC1 | 1 | | |
| | Q7514 | 943216500020S | T.R,RT1N141C(10K-10K) | | CVTRT1N141C | 1 | | |
| | Q7517 | 943216500050S | T.R,RT1N441C(47K-47K) | | CVTRT1N441C | 1 | | |
| | Q7518 | 943229500020S | MOSFET,TPC6111(P-CH,U-MOSV) | | CVTTPC6111 | 1 | | |
| | Q7519 | 943216500050S | T.R,RT1N441C(47K-47K) | | CVTRT1N441C | 1 | | |
| | Q7520 | 943229500020S | MOSFET,TPC6111(P-CH,U-MOSV) | | CVTTPC6111 | 1 | | |
| | Q7521 | 943216500050S | T.R,RT1N441C(47K-47K) | | CVTRT1N441C | 1 | | |
| | Q7522 | 943229500020S | MOSFET,TPC6111(P-CH,U-MOSV) | | CVTTPC6111 | 1 | | |
| | Q7610 | 943214500030S | T.R,MUTE | | CVTINC2001AC1 | 1 | | |
| | Q7612 | 943215500030S | T.R,RT1P441C(47K-47K) | | CVTRT1P441C | 1 | | |
| | Q7613 | 943216500050S | T.R,RT1N441C(47K-47K) | | CVTRT1N441C | 1 | | |
| | Q7614 | 943215500030S | T.R,RT1P441C(47K-47K) | | CVTRT1P441C | 1 | | |
| | **RESISTOR GROUP** | | | | | | | |
| | R7101 | nsp | RES,CHIP(1005/5%/470Kohm) | | CRJ06IJ474T | 1 | | |
| | R7102 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 1 | | |
| | R7103 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| | R7104 | nsp | RES,CHIP(1608/5%/1Kohm) | | CRJ10DJ102T | 1 | | |
| | R7107 | nsp | RES,CHIP(1608/5%/1Mohm) | | CRJ10DJ105T | 1 | | |
| | R7108 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| | R7113 | nsp | RES,CHIP(1608/5%/4.7Kohm) | E3 | CRJ10DJ472T | 1 | | |
| | R7113 | nsp | RES,CHIP(1608/5%/10Kohm) | E1C | CRJ10DJ103T | 1 | | |
| | R7114 | nsp | RES,CHIP(1608/5%/10Kohm) | S500BTE3, X510BTE1, X510BTE1C | CRJ10DJ103T | 1 | | |
| | R7115,7116 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 2 | | |
| | R7127 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| | R7129 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 1 | | |
| | R7136,7137 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 2 | | |
| | R7138 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| | R7139 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| | R7143,7144 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 2 | | |
| | R7145 | nsp | RES,CHIP(1608/5%/22Kohm) | | CRJ10DJ223T | 1 | | |
| | R7147,7148 | nsp | RES,CHIP(1608/5%/22Kohm) | | CRJ10DJ223T | 2 | | |
| | R7149-7151 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 3 | | |
| | R7152 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 1 | | |
| | R7153,7154 | nsp | RES,CHIP(1005/5%/2.7Kohm) | | CRJ06IJ272T | 2 | | |
| | R7155-7157 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 3 | | |
| | R7159 | nsp | RES,CHIP(1608/5%/120Kohm) | | CRJ10DJ124T | 1 | | |
| | R7160 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| | R7162 | nsp | RES,CHIP(1608/5%/120Kohm) | | CRJ10DJ124T | 1 | | |
| | R7163-7165 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 3 | | |
| | R7166 | nsp | RES,CHIP(1608/5%/2.2Kohm) | | CRJ10DJ222T | 1 | | |
| | R7167 | nsp | RES,CHIP(1005/5%/100Kohm) | | CRJ06IJ104T | 1 | | |
| | R7168 | nsp | RES,CHIP(1608/5%/33Kohm) | | CRJ10DJ333T | 1 | | |
| | R7171 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| | R7172 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 1 | | |
| | R7173-7177 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 5 | | |
| | R7188,7189 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 2 | | |
| | R7190 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 1 | | |
| | R7191 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 1 | | |
| | R7192 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| | R7201 | nsp | RES,CHIP(1608/1%/1.6Kohm) | | CRJ10DF1601T | 1 | | |
| | R7202 | nsp | RES,CHIP(1608/1%/2Kohm) | | CRJ10DF2001T | 1 | | |
| | R7203,7204 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 2 | | |
| | R7206 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| | R7208 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| | R7210-7212 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 3 | | |
| | R7213-7216 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 4 | | |
| | R7218-7221 | nsp | RES,CHIP(1005/5%/4.7Kohm) | | CRJ06IJ472T | 4 | | |
| | R7222 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 1 | | |
| | R7224 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| | R7228 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| | R7231 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 1 | | |
| | R7232-7235 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 4 | | |
| | R7236,7237 | nsp | RES,CHIP(1005/5%/1.8Kohm) | | CRJ06IJ182T | 2 | | |
| | R7238-7241 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 4 | | |
| | R7242-7245 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 4 | | |
| | R7246 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| | R7247 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 1 | | |
| | R7248 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| | R7250 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| | R7251 | nsp | RES,CHIP(1608/5%/390Kohm) | | CRJ10DJ394T | 1 | | |
| | R7252,7253 | nsp | RES,CHIP(1005/1%/1Kohm) | | CRJ06IF1001T | 2 | | |

| REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|
| R7254 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 1 | | |
| R7255 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7256,7257 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 2 | | |
| R7258 | nsp | RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 1 | | |
| R7259 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| R7260-7266 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 7 | | |
| R7267 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 1 | | |
| R7268 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7269,7270 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 2 | | |
| R7271 | nsp | RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 1 | | |
| R7272 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 1 | | |
| R7273 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| R7274-7279 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 6 | | |
| R7280 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 1 | | |
| R7281 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7282,7283 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 2 | | |
| R7284 | nsp | RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 1 | | |
| R7285 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 1 | | |
| R7286 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| R7287-7292 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 6 | | |
| R7293 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7301 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 1 | | |
| R7302 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7303-7305 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 3 | | |
| R7306-7308 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 3 | | |
| R7309,7310 | nsp | RES,CHIP(1005/5%/47ohm) | | CRJ06IJ470T | 2 | | |
| R7311 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 1 | | |
| R7312 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7313-7315 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 3 | | |
| R7316-7318 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 3 | | |
| R7319 | nsp | RES,CHIP(1005/5%/47ohm) | | CRJ06IJ470T | 1 | | |
| R7331,7332 | nsp | RES,CHIP(1608/1%/510ohm) | | CRJ10DF5100T | 2 | | |
| R7333-7338 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 6 | | |
| R7339 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7341 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7342 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| R7343-7345 | nsp | RES,CHIP(1005/5%/47ohm) | | CRJ06IJ470T | 3 | | |
| R7346 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 1 | | |
| R7347-7349 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 3 | | |
| R7350 | nsp | RES,CHIP(1005/5%/1Mohm) | | CRJ06IJ105T | 1 | | |
| R7351 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 1 | | |
| R7352 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7354 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7356 | nsp | RES,CHIP(1005/5%/47ohm) | | CRJ06IJ470T | 1 | | |
| R7358,7359 | nsp | RES,CHIP(1005/5%/1.8Kohm) | | CRJ06IJ182T | 2 | | |
| R7360-7362 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 3 | | |
| R7363,7364 | nsp | RES,CHIP(1005/5%/1.8Kohm) | | CRJ06IJ182T | 2 | | |
| R7365 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 1 | | |
| R7368,7369 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 2 | | |
| R7401 | nsp | RES,CHIP(1005/5%/3.3Kohm) | | CRJ06IJ332T | 1 | | |
| R7402 | nsp | RES,CHIP(1005/5%/330ohm) | | CRJ06IJ331T | 1 | | |
| R7403 | nsp | RES,CHIP(1608/5%/1Mohm) | | CRJ10DJ105T | 1 | | |
| R7404 | nsp | RES,CHIP(1608/1%/5.1Kohm) | | CRJ10DF5101T | 1 | | |
| R7405,7406 | nsp | RES,CHIP(1005/5%/3.3Kohm) | | CRJ06IJ332T | 2 | | |
| R7407,7408 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 2 | | |
| R7412 | nsp | RES,CHIP(1608/1%/1.37Kohm) | | CRJ10DF1371T | 1 | | |
| R7413 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| R7414,7415 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 2 | | |
| R7416-7419 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 4 | | |
| R7420 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| R7422-7425 | nsp | RES,CHIP(1005/5%/3.3Kohm) | | CRJ06IJ332T | 4 | | |
| R7426 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7427 | nsp | RES,CHIP(1005/5%/3.3Kohm) | | CRJ06IJ332T | 1 | | |
| R7428,7429 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 2 | | |
| R7430 | nsp | RES,CHIP(1005/5%/75ohm) | | CRJ06IJ750T | 1 | | |
| R7431,7432 | nsp | RES,CHIP(1005/5%/68ohm) | | CRJ06IJ680T | 2 | | |
| R7443-7446 | nsp | RES,CHIP(1005/5%/68ohm) | | CRJ06IJ680T | 4 | | |
| R7447 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| R7448 | nsp | RES,CHIP(1005/5%/68ohm) | | CRJ06IJ680T | 1 | | |
| R7449 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| R7471 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 1 | | |
| R7472 | nsp | RES,CHIP(1005/5%/220ohm) | | CRJ06IJ221T | 1 | | |
| R7473,7474 | nsp | RES,CHIP(1005/5%/1Kohm) | | CRJ06IJ102T | 2 | | |
| R7475 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 1 | | |
| R7476-7478 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 3 | | |
| R7482,7483 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 2 | | |
| R7501 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 1 | | |
| R7502,7503 | nsp | RES,CHIP(1608/5%/100Kohm) | | CRJ10DJ104T | 2 | | |
| R7504 | nsp | RES,CHIP(1608/1%/348Kohm) | | CRJ10DF3483T | 1 | | |
| R7505 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| R7506 | nsp | RES,CHIP(1608/1%/76.8Kohm) | | CRJ10DF7682T | 1 | | |
| R7507 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 1 | | |
| R7508,7509 | nsp | RES,CHIP(1608/5%/100Kohm) | | CRJ10DJ104T | 2 | | |
| R7510 | nsp | RES,CHIP(1608/1%/348Kohm) | | CRJ10DF3483T | 1 | | |
| R7511 | nsp | RES,CHIP(1608/1%/300Kohm) | | CRJ10DF3003T | 1 | | |
| R7512 | nsp | RES,CHIP(1608/1%/39Kohm) | | CRJ10DF3902T | 1 | | |
| R7513 | nsp | RES,CHIP(1005/5%/33ohm) | | CRJ06IJ330T | 1 | | |
| R7514,7515 | nsp | RES,CHIP(1608/5%/100Kohm) | | CRJ10DJ104T | 2 | | |
| R7516 | nsp | RES,CHIP(1608/1%/348Kohm) | | CRJ10DF3483T | 1 | | |
| R7517 | nsp | RES,CHIP(1608/1%/174Kohm) | | CRJ10DF1743T | 1 | | |
| R7518 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| R7524-7527 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 4 | | |
| R7529-7534 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 6 | | |
| R7542,7543 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 2 | | |
| R7544 | nsp | RES,CHIP(1005/5%/4.7Kohm) | | CRJ06IJ472T | 1 | | |
| R7545 | nsp | RES,CHIP(1005/5%/100Kohm) | | CRJ06IJ104T | 1 | | |
| R7546 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| R7547 | nsp | RES,CHIP(1005/5%/47Kohm) | | CRJ06IJ473T | 1 | | |
| R7548 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| R7549 | nsp | RES,CHIP(1005/5%/3.3Kohm) | | CRJ06IJ332T | 1 | | |
| R7552 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| R7553-7558 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 6 | | |
| R7560,7561 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 2 | | |
| R7601,7602 | nsp | RES,CHIP(1608/5%/270ohm) | | CRJ10DJ271T | 2 | | |
| R7603,7604 | nsp | RES,CHIP(1608/5%/27Kohm) | | CRJ10DJ273T | 2 | | |
| R7605,7606 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 2 | | |
| R7608 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| R7611 | nsp | RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 1 | | |
| R7614 | nsp | RES,CHIP(1608/5%/220ohm) | | CRJ10DJ221T | 1 | | |
| R7615,7616 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 2 | | |
| R7617,7618 | nsp | RES,CHIP(1608/5%/1Mohm) | | CRJ10DJ105T | 2 | | |
| R7619,7620 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 2 | | |
| R7621,7622 | nsp | RES,CHIP(1608/5%/1Mohm) | | CRJ10DJ105T | 2 | | |
| R7623,7624 | nsp | RES,CHIP(1608/5%/100Kohm) | | CRJ10DJ104T | 2 | | |
| R7625 | nsp | RES,CHIP(1608/5%/470ohm) | | CRJ10DJ471T | 1 | | |
| R7626 | nsp | RES,CHIP(1608/5%/10Kohm) | | CRJ10DJ103T | 1 | | |
| R7627 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| R7633,7634 | nsp | RES,CHIP(1608/5%/100Kohm) | | CRJ10DJ104T | 2 | | |

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | R7637 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| | R7638 | nsp | RES,CHIP(1608/5%/470ohm) | | CRJ10DJ471T | 1 | | |
| | R7639,7640 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 2 | | |
| | R7647 | nsp | RES,CHIP(1608/5%/470Kohm) | | CRJ10DJ474T | 1 | | |
| | R7648 | nsp | RES,CHIP(1608/5%/1Kohm) | | CRJ10DJ102T | 1 | | |
| | R7649 | nsp | RES,CHIP(1005/5%/10Kohm) | | CRJ06IJ103T | 1 | | |
| | R7650 | nsp | RES,CHIP(1608/5%/10Kohm) | | CRJ10DJ103T | 1 | | |
| | R7651 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| | R7652 | nsp | RES,CHIP(1608/5%/820ohm) | | CRJ10DJ821T | 1 | | |
| | R7653 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 1 | | |
| | R7655 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| | R7656,7657 | nsp | RES,CHIP(1005/5%/100ohm) | | CRJ06IJ101T | 2 | | |
| | R7664-7668 | nsp | RES,CHIP(1608/5%/470ohm) | | CRJ10DJ471T | 5 | | |
| | R7670-7673 | nsp | RES,CHIP(1608/0.5%/2.4Kohm) CHIPRESISTOR | | CRJ06DD242TP | 4 | | |
| | R7674,7675 | nsp | RES,CHIP(1608/0.5%/3Kohm) CHIPRESISTOR | | CRJ06DD302TP | 2 | | |
| | R7676,7677 | nsp | RES,CHIP(1608/5%/2Kohm) | | CRJ10DJ202T | 2 | | |
| | R7678 | nsp | RES,CHIP(1608/0.5%/3Kohm) CHIPRESISTOR | | CRJ06DD302TP | 1 | | |
| | R7679 | nsp | RES,CHIP(1608/5%/2Kohm) | | CRJ10DJ202T | 1 | | |
| | R7680 | nsp | RES,CHIP(1608/0.5%/3Kohm) CHIPRESISTOR | | CRJ06DD302TP | 1 | | |
| | R7681 | nsp | RES,CHIP(1608/5%/2Kohm) | | CRJ10DJ202T | 1 | | |
| | R7682,7683 | nsp | RES,CHIP(1608/5%/100Kohm) | | CRJ10DJ104T | 2 | | |
| | R7686-7689 | nsp | RES,CHIP(1608/0.5%/2.4Kohm) CHIPRESISTOR | | CRJ06DD242TP | 4 | | |
| | R7690 | nsp | RES,CHIP(1608/0.5%/3Kohm) CHIPRESISTOR | | CRJ06DD302TP | 1 | | |
| | R7691 | nsp | RES,CHIP(1608/0.5%/8.2Kohm) CHIPRESISTOR | | CRJ06DD822TP | 1 | | |
| | R7692,7693 | nsp | RES,CHIP(1608/5%/2Kohm) | | CRJ10DJ202T | 2 | | |
| | R7694 | nsp | RES,CHIP(1608/0.5%/3Kohm) CHIPRESISTOR | | CRJ06DD302TP | 1 | | |
| | R7695 | nsp | RES,CHIP(1608/5%/2Kohm) | | CRJ10DJ202T | 1 | | |
| | R7696 | nsp | RES,CHIP(1608/0.5%/8.2Kohm) CHIPRESISTOR | | CRJ06DD822TP | 1 | | |
| | R7697 | nsp | RES,CHIP(1608/5%/2Kohm) | | CRJ10DJ202T | 1 | | |
| | R7698,7699 | nsp | RES,CHIP(1608/5%/100Kohm) | | CRJ10DJ104T | 2 | | |
| | R7702-7705 | nsp | RES,CHIP(1608/0.5%/2.4Kohm) CHIPRESISTOR | | CRJ06DD242TP | 4 | | |
| | R7706,7707 | nsp | RES,CHIP(1608/0.5%/3Kohm) CHIPRESISTOR | | CRJ06DD302TP | 2 | | |
| | R7708,7709 | nsp | RES,CHIP(1608/5%/2Kohm) | | CRJ10DJ202T | 2 | | |
| | R7710 | nsp | RES,CHIP(1608/0.5%/3Kohm) CHIPRESISTOR | | CRJ06DD302TP | 1 | | |
| | R7711 | nsp | RES,CHIP(1608/5%/2Kohm) | | CRJ10DJ202T | 1 | | |
| | R7712 | nsp | RES,CHIP(1608/0.5%/3Kohm) CHIPRESISTOR | | CRJ06DD302TP | 1 | | |
| | R7713 | nsp | RES,CHIP(1608/5%/2Kohm) | | CRJ10DJ202T | 1 | | |
| | R7714,7715 | nsp | RES,CHIP(1608/5%/100Kohm) | | CRJ10DJ104T | 2 | | |
| | R7718,7719 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 2 | | |
| | R7723-7726 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 4 | | |
| | R7727 | nsp | RES,CHIP(1608/5%/150Kohm) | | CRJ10DJ154T | 1 | | |
| | R7729 | nsp | RES,CHIP(1608/5%/15Kohm) | | CRJ10DJ153T | 1 | | |
| | R7730 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| | R7732 | nsp | RES,CHIP(1608/5%/150Kohm) | | CRJ10DJ154T | 1 | | |
| | R7736,7737 | nsp | RES,M-OXIDEFILM(1W/150ohm) | | CRG1SANJ151RT | 2 | | |
| | R7738 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| | R7741 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 1 | | |
| | R7742 | nsp | RES,CHIP(1608/5%/15Kohm) | | CRJ10DJ153T | 1 | | |
| | R7744 | nsp | RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 1 | | |
| | R7745 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 1 | | |
| | R7747 | nsp | RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 1 | | |
| | R7748 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 1 | | |
| | R7752 | nsp | RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 1 | | |
| | R7753 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 1 | | |
| | R7754,7755 | nsp | RES,CHIP(1608/5%/4.7Kohm) | | CRJ10DJ472T | 2 | | |
| | R7756 | nsp | RES,CHIP(1608/5%/100ohm) | | CRJ10DJ101T | 1 | | |
| | R7757 | nsp | RES,CHIP(1608/5%/12Kohm) | | CRJ10DJ123T | 1 | | |
| | R7758 | nsp | RES,CHIP(1608/5%/10Kohm) | | CRJ10DJ103T | 1 | | |
| | R7762,7763 | nsp | RES,CHIP(1005/5%/0ohm) | | CRJ06IJ0R0T | 2 | | |
| | R7774-7778 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 5 | | |
| | R7811 | nsp | RES,CHIP(1005/5%/75ohm) | E3 | CRJ06IJ750T | 1 | | |
| | RN711,712 | nsp | RES,CHIP(1005/5%/100ohm*4) | | CRJ064IJ101T | 2 | | |
| | RN721,722 | nsp | RES,CHIP(1005/5%/33ohm*4) | | CRJ064IJ330T | 2 | | |
| | RN731-733 | nsp | RES,CHIP(1005/5%/0ohm*2) | | CRJ062IJ0R0T | 3 | | |
| | RN734 | 943113100000S | COMMONMODEFILTER(1210,90ohm) EXC24CH9000U,90OHM,CUTOFFFREQ6GHz | | CLZ9Z188Z | 1 | | |
| | RN741,742 | nsp | RES,CHIP(1005/5%/10Kohm*4) | | CRJ064IJ103T | 2 | | |
| | RN743-751 | nsp | RES,CHIP(1005/5%/33ohm*4) | | CRJ064IJ330T | 9 | | |
| | **CAPACIITORS GROUP** | | | | | | | |
| | C7101,7102 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 2 | | |
| | C7103,7104 | nsp | CAP,CHIP(1608,50V/20pF,C0G) SAMSUNG GeneralCapacitors-C0G | | CCUS1H200JAS | 2 | | |
| | C7105,7106 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 2 | | |
| | C7110-7121 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 12 | | |
| | C7124-7128 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 5 | | |
| | C7129-7131 | nsp | CAP,CHIP(1005,25V/0.01uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1E103KCS | 3 | | |
| | C7132 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7133 | nsp | CAP,ELECT(10V/100uF) | | CCEA1AH101T | 1 | | |
| | C7141-7145 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 5 | | |
| | C7201-7208 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 8 | | |
| | C7209 | nsp | CAP,ELECT(50V/100uF) | | CCEA1HH101T | 1 | | |
| | C7210 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7211 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7212 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7213 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7216,7217 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 2 | | |
| | C7218 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S) SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7221-7224 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 4 | | |
| | C7225 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7226 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7227 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7231 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7234-7239 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 6 | | |
| | C7240,7241 | nsp | CAP,CHIP(1608,50V/15pF,C0G) SAMSUNG GeneralCapacitors-C0G | | CCUS1H150JAS | 2 | | |
| | C7242 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7244 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7245 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7246 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7270-7279 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 10 | | |
| | C7280 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7281 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7285 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7301-7304 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 4 | | |
| | C7305 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S) SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7306 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7307 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S) SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7308 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7309 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S) SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7310 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7311 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S) SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7312-7328 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 17 | | |
| | C7329 | nsp | CAP,CHIP(1005,50V/1000pF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1H102KCS | 1 | | |
| | C7330-7336 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R) SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 7 | | |
| | C7337,7338 | nsp | CAP,CHIP(1608,50V/15pF,C0G) SAMSUNG GeneralCapacitors-C0G | | CCUS1H150JAS | 2 | | |
| | C7342-7345 | nsp | CAP,CHIP(1608,6.3V/4.7uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUS0J475KCS | 4 | | |
| | C7348,7349 | nsp | CAP,CHIP(1608,6.3V/4.7uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUS0J475KCS | 2 | | |
| | C7354,7355 | nsp | CAP,CHIP(1608,6.3V/4.7uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUS0J475KCS | 2 | | |
| | C7357,7358 | nsp | CAP,CHIP(1608,6.3V/4.7uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUS0J475KCS | 2 | | |
| | C7360,7361 | nsp | CAP,CHIP(1608,6.3V/4.7uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUS0J475KCS | 2 | | |
| | C7370,7371 | nsp | CAP,CHIP(1608,6.3V/4.7uF,X5R) SAMSUNG HighCapacitance-X5R | | CCUS0J475KCS | 2 | | |

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | C7380,7381 | nsp | CAP,CHIP(1608,6.3V/4.7uF,X5R)_SAMSUNG HighCapacitance-X5R | | CCUS0J475KCS | 2 | | |
| | C7386 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7401,7402 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 2 | | |
| | C7403,7404 | nsp | CAP,CHIP(1608,50V/10pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H100JAS | 2 | | |
| | C7405 | nsp | CAP,ELECT(10V/220uF) | | CCEA1AH221T | 1 | | |
| | C7406 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S)_SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7407 | nsp | CAP,CHIP(1005,25V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E103KCS | 1 | | |
| | C7408-7410 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 3 | | |
| | C7412 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7414-7420 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 7 | | |
| | C7422 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7423 | nsp | CAP,ELECT(10V/100uF) | | CCEA1AH101T | 1 | | |
| | C7424 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7425 | nsp | CAP,CHIP(1005,50V/100pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUI1H101JAS | 1 | | |
| | C7426 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7427 | nsp | CAP,ELECT(10V/100uF) | | CCEA1AH101T | 1 | | |
| | C7428 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7429 | nsp | CAP,ELECT(10V/100uF) | | CCEA1AH101T | 1 | | |
| | C7430-7433 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 4 | | |
| | C7434 | nsp | CAP,CHIP(1005,50V/15pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUI1H150JAS | 1 | | |
| | C7435-7437 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 3 | | |
| | C7442 | nsp | CAP,ELECT(50V/100uF) | | CCEA1HH101T | 1 | | |
| | C7443 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7444 | nsp | CAP,ELECT(10V/100uF) | | CCEA1AH101T | 1 | | |
| | C7445 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7446 | nsp | CAP,ELECT(10V/100uF) | | CCEA1AH101T | 1 | | |
| | C7447,7448 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 2 | | |
| | C7449 | nsp | CAP,CHIP(1005,50V/100pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUI1H101JAS | 1 | | |
| | C7450 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7451 | nsp | CAP,ELECT(KR3,4.7uF/100V,5X11) | | CCEA2AH4R7T | 1 | | |
| | C7452 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7453 | nsp | CAP,ELECT(63V/100uF) | | CCEA1JH101E | 1 | | |
| | C7454 | nsp | CAP,ELECT(50V/470uF) | | CCEA1HH471E | 1 | | |
| | C7455 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7456 | nsp | CAP,CHIP(1005,50V/1000pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1H102KCS | 1 | | |
| | C7457 | nsp | CAP,CHIP(1005,25V/0.022uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E223KCS | 1 | | |
| | C7458 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7459 | nsp | CAP,ELECT(10V/100uF) | | CCEA1AH101T | 1 | | |
| | C7460 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7461 | nsp | CAP,CHIP(1005,25V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E103KCS | 1 | | |
| | C7462 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7464 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7465 | nsp | CAP,CHIP(1005,25V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E103KCS | 1 | | |
| | C7466 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7467 | nsp | CAP,CHIP(1005,25V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E103KCS | 1 | | |
| | C7468 | nsp | CAP,ELECT(10V/100uF) | | CCEA1AH101T | 1 | | |
| | C7469 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7470 | nsp | CAP,ELECT(10V/100uF) | | CCEA1AH101T | 1 | | |
| | C7471 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7473 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7477-7482 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 6 | | |
| | C7501 | nsp | CAP,ELECT(16V/470uF) | | CCEA1CH471T | 1 | | |
| | C7502,7503 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 2 | | |
| | C7505 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7506 | nsp | CAP,ELECT(16V/470uF) | | CCEA1CH471T | 1 | | |
| | C7509 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7510 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C7511 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R)_SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7512 | nsp | CAP,CHIP(1608,50V/3.3pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H3R3JAS | 1 | | |
| | C7513 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S)_SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7514 | nsp | CAP,CHIP(2012,6.3V/22uF,X5R)_SAMSUNG GeneralCapacitors-X5R | | CCUC0J226KCS | 1 | | |
| | C7515 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R)_SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7517 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C7523-7528 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 6 | | |
| | C7542,7543 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 2 | | |
| | C7544 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S)_SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7545 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7549,7550 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 2 | | |
| | C7551 | nsp | CAP,CHIP(1005,25V/0.015uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E153KCS | 1 | | |
| | C7553 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7554 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C7555 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R)_SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7556 | nsp | CAP,CHIP(1608,50V/5pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H050CAS | 1 | | |
| | C7557 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S)_SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7558 | nsp | CAP,CHIP(2012,6.3V/22uF,X5R)_SAMSUNG GeneralCapacitors-X5R | | CCUC0J226KCS | 1 | | |
| | C7559 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R)_SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7561 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C7564 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7565 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C7566 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R)_SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7567 | nsp | CAP,CHIP(1608,50V/5pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H050CAS | 1 | | |
| | C7568 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S)_SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7569 | nsp | CAP,CHIP(2012,6.3V/22uF,X5R)_SAMSUNG GeneralCapacitors-X5R | | CCUC0J226KCS | 1 | | |
| | C7570 | nsp | CAP,CHIP(2012,6.3V/10uF,X5R)_SAMSUNG HighCapacitance-X5R | | CCUC0J106KCS | 1 | | |
| | C7572 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C7575 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7577 | nsp | CAP,ELECT(50V/0.1uF) | | CCEA1HH0R1T | 1 | | |
| | C7578 | nsp | CAP,ELECT(16V/100uF) | | CCEA1CH101T | 1 | | |
| | C7579 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7580 | nsp | CAP,CHIP(1608,16V/0.22uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1C224KCS | 1 | | |
| | C7581 | nsp | CAP,ELECT(16V/220uF) | | CCEA1CH221T | 1 | | |
| | C7586-7603 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 18 | | |
| | C7605 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7607 | nsp | CAP,ELECT(16V/470uF) | | CCEA1CH471T | 1 | | |
| | C7608,7609 | nsp | CAP,ELECT(50V/100uF) | | CCEA1HH101T | 2 | | |
| | C7610,7611 | nsp | CAP,CHIP(1005,50V/100pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUI1H101JAS | 2 | | |
| | C7612 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7613,7614 | nsp | CAP,CHIP(1005,50V/100pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUI1H101JAS | 2 | | |
| | C7615 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7617 | nsp | CAP,CHIP(1608,50V/2700pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H272KCS | 1 | | |
| | C7618 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7619,7620 | nsp | CAP,CHIP(1608,50V/220pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H221JAS | 2 | | |
| | C7621,7622 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 2 | | |
| | C7623,7624 | nsp | CAP,CHIP(1608,50V/220pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H221JAS | 2 | | |
| | C7627 | nsp | CAP,ELECT(50V/22uF) | | CCEA1HH220T | 1 | | |
| | C7629 | nsp | CAP,ELECT(50V/22uF) | | CCEA1HH220T | 1 | | |
| | C7630,7631 | nsp | CAP,ELECT(63V/100uF) | | CCEA1JH101E | 2 | | |
| | C7638 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C7639 | nsp | CAP,CHIP(1608,50V/330pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H331JAS | 1 | | |
| | C7641 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7642,7643 | nsp | CAP,ELECT(50V/22uF) | | CCEA1HH220T | 2 | | |
| | C7644 | nsp | CAP,ELECT(50V/0.1uF) | | CCEA1HH0R1T | 1 | | |
| | C7645 | nsp | CAP,ELECT(50V/10uF) | | CCEA1HH100T | 1 | | |
| | C7646 | nsp | CAP,ELECT(50V/100uF) | | CCEA1HH101T | 1 | | |
| | C7647 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7648-7650 | nsp | CAP,ELECT(50V/100uF) | | CCEA1HH101T | 3 | | |
| | C7651 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7652-7655 | nsp | CAP,CHIP(1608,50V/1500pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H152KCS | 4 | | |

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | C7656,7657 | nsp | CAP,CHIP(1608,50V/330pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H331JAS | 2 | | |
| | C7658,7659 | nsp | CAP,CHIP(1608,50V/1500pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H152KCS | 2 | | |
| | C7660 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7661,7662 | nsp | CAP,CHIP(1608,50V/330pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H331JAS | 2 | | |
| | C7663,7664 | nsp | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 2 | | |
| | C7665 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7668-7670 | nsp | CAP,CHIP(1608,50V/1500pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H152KCS | 3 | | |
| | C7671 | nsp | CAP,CHIP(1608,50V/4700pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H472KCS | 1 | | |
| | C7672 | nsp | CAP,CHIP(1608,50V/330pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H331JAS | 1 | | |
| | C7673 | nsp | CAP,CHIP(1608,50V/1000pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H102KCS | 1 | | |
| | C7674 | nsp | CAP,CHIP(1608,50V/1500pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H152KCS | 1 | | |
| | C7675 | nsp | CAP,CHIP(1608,50V/4700pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H472KCS | 1 | | |
| | C7676 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7678 | nsp | CAP,CHIP(1608,50V/330pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H331JAS | 1 | | |
| | C7679 | nsp | CAP,CHIP(1608,50V/1000pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H102KCS | 1 | | |
| | C7680,7681 | nsp | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 2 | | |
| | C7682 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7685-7688 | nsp | CAP,CHIP(1608,50V/1500pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H152KCS | 4 | | |
| | C7689,7690 | nsp | CAP,CHIP(1608,50V/330pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H331JAS | 2 | | |
| | C7691,7692 | nsp | CAP,CHIP(1608,50V/1500pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H152KCS | 2 | | |
| | C7693 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7694,7695 | nsp | CAP,CHIP(1608,50V/330pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H331JAS | 2 | | |
| | C7696,7697 | nsp | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 2 | | |
| | C7698 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7703 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7704 | nsp | CAP,CHIP(1608,50V/220pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H221JAS | 1 | | |
| | C7705 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7706 | nsp | CAP,CHIP(1608,50V/2700pF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H272KCS | 1 | | |
| | C7707 | nsp | CAP,ELECT(16V/100uF) | | CCEA1CH101T | 1 | | |
| | C7709 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7710 | nsp | CAP,CHIP(1608,50V/220pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H221JAS | 1 | | |
| | C7712 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 1 | | |
| | C7720,7721 | nsp | CAP,ELECT(100V/10uF) | | CCEA2AH100T | 2 | | |
| | C7732-7739 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1C104KCS | 8 | | |
| | C7740 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S)_SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7741 | nsp | CAP,CHIP(1005,25V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E103KCS | 1 | | |
| | C7742 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | C7743 | nsp | CAP,CHIP(1005,25V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E103KCS | 1 | | |
| | C7784 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | C7785 | nsp | CAP,CHIP(1005,25V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E103KCS | 1 | | |
| | C7786 | nsp | CAP,CHIP(1608,10V/1uF,X7R,X7S)_SAMSUNG HighCapacitance-X7R,X7S | | CCUS1A105KCS | 1 | | |
| | C7787 | nsp | CAP,CHIP(1005,25V/0.01uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUI1E103KCS | 1 | | |
| | C7816 | nsp | CAP,CHIP(1005,50V/100pF,C0G)_SAMSUNG GeneralCapacitors-C0G | E3 | CCUI1H101JAS | 1 | | |
| | C7816 | nsp | CAP,CHIP(1005,16V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-C0G | E1, E1C | CCUI1C104KCS | 1 | | |
| | **OTHER PARTS GROUP** | | | | | | | |
| | CN711 | nsp | WAFER,FFC1.25mm,STRAIGHT | | CJP27GA285ZN | 1 | | |
| | CN712 | nsp | LOCK-WAFER/STRAIGHT/2MMPITCH/9PIN | | CJP09GI288ZY | 1 | | |
| | CN713 | nsp | LOCK-WAFER/STRAIGHT/2MMPITCH/15PIN | | CJP15GI288ZY | 1 | | |
| | CN714 | nsp | WAFER,FFC,SMD(07P-1mm,STRAIGHT) | | CJP07GA193ZY | 1 | | |
| | CN741 | nsp | WAFER,FFC(9P-1mm,STRAIGHT) | | CJP09GA117ZY | 1 | | |
| | CN751 | nsp | LOCK-WAFER/STRAIGHT/2.5MMPITCH/5PIN | | CJP05GI289ZY | 1 | | |
| | CN752 | nsp | LOCK-WAFER/STRAIGHT/2MMPITCH/7PIN | | CJP07GI288ZY | 1 | | |
| | CN771 | nsp | LOCK-WAFER/STRAIGHT/2.5MMPITCH/7PIN | | CJP07GI289ZY | 1 | | |
| | CN772 | nsp | LOCK-WAFER/STRAIGHT/2MMPITCH/13PIN | | CJP13GI288ZY | 1 | | |
| | JK721-726 | 943643102920S | JACK,HDMI(TYPE-A,SMT-19P,WITHFLANGE) SMT-19PTYPE,WITHFLANGE | | CJJ9H021Z | 6 | | |
| | JK771 | 943643101570S | JACK,4P(W/R,W/R),SEPA-GND | | CJJ4P048U | 1 | | |
| | JK772 | 943643102940S | JACK,RCA2P(B/B)SILVERVERTICAL RC013-F02R1BY-B | | CJJ4N110Z | 1 | | |
| | JK784 | 943643100170S | JACK,1P(ORG),SILVER | E3 | CJJ4M043Y | 1 | | |
| | L7101,7102 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 2 | | |
| | L7103-7105 | nsp | CHIPBEAD(600R,1808,0.5A) | | HLZ9Z008Z | 3 | | |
| | L7106-7117 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 12 | | |
| | L7119 | nsp | CHIPBEAD(600R,1808,0.5A) | | HLZ9Z008Z | 1 | | |
| | L7122-7124 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 3 | | |
| | L7126,7127 | nsp | RES,CHIP(1608/5%/0ohm) | | CRJ10DJ0R0T | 2 | | |
| | L7129 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | L7201-7206 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 6 | | |
| | L7209,7210 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 2 | | |
| | L7301-7308 | nsp | FERRITECHIPBEAD(2012/220R,CB05YTYH221) | | CLZ9R018V | 8 | | |
| | L7401,7402 | nsp | FERRITECHIPBEAD(2012/220R,CB05YTYH221) | | CLZ9R018V | 2 | | |
| | L7404 | nsp | CHIPBEAD(600R,1808,0.5A) | | HLZ9Z008Z | 1 | | |
| | L7429 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | L7501-7504 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 4 | | |
| | L7506 | nsp | FERRITECHIPBEAD(2012/220R,CB05YTYH221) | | CLZ9R018V | 1 | | |
| | L7508,7509 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 2 | | |
| | L7511 | nsp | FERRITECHIPBEAD(2012/220R,CB05YTYH221) | | CLZ9R018V | 1 | | |
| | L7513 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | L7515 | nsp | FERRITECHIPBEAD(2012/220R,CB05YTYH221) | | CLZ9R018V | 1 | | |
| | L7521 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | L7525 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | L7527 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | L7601 | nsp | FERRITECHIPBEAD(1608/60R,CB03YTYH600) | | CLZ9R005V | 1 | | |
| | TU771 | nsp | PINSOCKET(09P,1.25mm,ANGLE,B-TO-B) | | CJP09HJ282Z | 1 | | |
| | X711 | 943141100890S | X-TAL,HC-49/SSMD,8.0000MHz,16PF +/-30ppm | | COX08000E160ST | 1 | | |
| | X721 | 943141100600S | X-TAL,SMD3.2X2.5,28.636MHz,12PF | | COX28636I120ST | 1 | | |
| | X731 | 943141100720S | X-TAL,SMD3.2X2.5,27.000MHz,10PF | | COX27000I100ST | 1 | | |
| | X741 | 943141100900S | X-TAL,HC-49/SSMD,24.576MHz,12PF +/-30ppm | | COX24576E120ST | 1 | | |

**VIDEO PCB ASS'Y**

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

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

BK : Black model SP : Premium Silver model

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | **SEMICONDUCTORS GROUP** | | | | | | | |
| | D7801,7802 | 943202010080S | DIODE,ZENER,1/2W,5.1V | | CVDZJ5.1BT | 2 | | |
| | IC781 | 90M-HC109700R | I.C,VIDEOS/W(JRC) | | CVINJM2595MTE1 | 1 | | |
| | **RESISTOR GROUP** | | | | | | | |
| | R7801 | nsp | RES,CHIP(1608/5%/1.8Kohm) | | CRJ10DJ182T | 1 | | |
| | R7802 | nsp | RES,CHIP(1608/1%/82ohm) | | CRJ10DF82R0T | 1 | | |
| | R7803,7804 | nsp | RES,CHIP(1608/1%/75ohm) | | CRJ10DF75R0T | 2 | | |
| | R7806 | nsp | RES,CHIP(1608/5%/10Kohm) | | CRJ10DJ103T | 1 | | |
| | R7807,7808 | nsp | RES,M-OXIDEFILM(1W/270ohm) | | CRG1SANJ271RT | 2 | | |
| | **CAPACIITORS GROUP** | | | | | | | |
| | C7714,7715 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 2 | | |
| | C7801 | nsp | CAP,CHIP(1608,50V/22pF,C0G)_SAMSUNG GeneralCapacitors-C0G | | CCUS1H220JAS | 1 | | |
| | C7804,7805 | nsp | CAP,ELECT(50V/10uF) | | CCEA1HH100T | 2 | | |
| | C7806,7807 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 2 | | |
| | C7810,7811 | nsp | CAP,ELECT(50V/10uF) | | CCEA1HH100T | 2 | | |
| | C7812 | nsp | CAP,CHIP(1608,50V/0.1uF,X7R)_SAMSUNG GeneralCapacitors-X7R | | CCUS1H104KCS | 1 | | |
| | C7813 | nsp | CAP,ELECT(50V/100uF) | | CCEA1HH101T | 1 | | |
| | **OTHER PARTS GROUP** | | | | | | | |
| | CN781 | nsp | WAFER,FFC(9P-1mm,STRAIGHT) | | CJP09GA117ZY | 1 | | |
| | J7801-7804 | 00D9430101101 | WIRE,COPPER(D0.6) | | C3A206 | 4 | | |
| | JK781 | 90M-YT002940R | JACK,BOARD | | CJJ4S010Z | 1 | | |
| | JK782,783 | 943262100150S | MODULE,OPTICAL(RX16MHz) | | CJSJSR1124 | 2 | | |
| ! | F5801, 5802 | 0520100170060 | FUSE(218Series,250V/5A) | | KBA2C5000TLEY | 1 | | |
| ! | F6002 | 90M-FS001490R | FUSE(218Series,250V/4A) | E3 | KBA2C4000TLEY | 1 | | |
| ! | F6002 | 00D9430199109 | FUSE(218Series,250V/4A) | E1, E1C | KBA2C2500TLEY | 1 | | |

**EXPLODED_S500BT**

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

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

BK : Black model SP : Premium Silver model

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | P1 | nsp | FRONT PCB ASS'Y | | COP12619H | 1 | * | |
| | ├P2 | nsp | STANDBY PCB ASS'Y | | COP12619H | 1 | * | |
| | └P3 | nsp | PHONE PCB ASS'Y | | COP12619H | 1 | * | |
| | P4 | 943639101410D | USB&MIC PCB ASS'Y | E3 | COP12652B | 1 | * | 3 |
| | P4 | 943639101420D | USB&MIC PCB ASS'Y | E1C | COP12652C(E1C) | 1 | * | 3 |
| | P5 | 943639101390D | MODULE, BLUETOOTH | | CNVMB8811C0B | 1 | * | |
| | P6 | nsp | MAIN PCB ASS'Y | | COP12649B | 1 | * | |
| | ├P7 | nsp | PHONE WIRE GUIDE | | COP12649B | 1 | * | |
| | ├P9 | nsp | TUNER PCB ASS'Y | | COP12649B | 1 | * | |
| | ├P13 | nsp | FRONT CABLE GUIDE | | COP12649B | 1 | * | |
| | └P14 | nsp | USB WIRE GUIDE | E3 | COP12649B | 1 | * | |
| | P8 | 943639101430D | DIGITAL PCB ASS'Y | E3 | COP12650B | 1 | * | |
| | P8 | 943639101750D | DIGITAL PCB ASS'Y | E1C | COP12650F | 1 | * | |
| | P10 | nsp | VIDEO PCB ASS'Y | | COP12651B | 1 | * | |
| | P11 | nsp | REGULATOR PCB ASS'Y | | COP12615H | 1 | * | |
| | └P12 | nsp | SMPS PCB ASS'Y | | COP12615H | 1 | * | |
| ! | P15 | 943101102380D | TRANS, POWER | E3 | CLT5U056ZU | 1 | * | |
| ! | P15 | 943101102400D | TRANS, POWER | E1C | CLT5U056ZH | 1 | * | |
| | F1 | 943412100710D | KNOB, VOLUME | | CBN1A263 | 1 | | |
| | F2 | 943446100590D | PLATE, VOLUME KNOB | | CGX1A469 | 1 | | |
| | F3 | 943412101070D | KNOB, SELECT | | CBN1A274 | 1 | | |
| | F4 | 943446100760D | PLATE, VOLUME KNOB | | CGX1A481 | 1 | | |
| | F5 | 943419100860D | PANEL, SUB | | CGR1A570R12ZH70 | 1 | * | |
| | F6 | 943416101310D | WINDOW, FL | | CGU1A462P | 1 | * | |
| | F7 | 42141002400AD | BADGE, DENON | | CGB1A275Y | 1 | | |
| | F8 | 943402104580D | PANEL, FRONT | | CGW1A553RHWH70 | 1 | * | |
| | F9 | 943411101750D | BUTTON, POWER | | CBT1A1167 | 1 | | |
| | F10 | 943423100510D | INDICATOR, POWER | | CGL1A299A36 | 1 | * | |
| | F11 | 943411103220D | BUTTON , SOURCE | | CBT1A1195 | 1 | * | |
| | F12 | 943411103210D | BUTTON, NETWORK | | CBT1A1194 | 1 | * | |
| | F13 | 943411101770D | BUTTON, 10KEY | | CBT2A1164 | 1 | | |
| | F14 | nsp | HOLDER, BT | | CMH1A356 | 1 | * | |
| | F15 | nsp | EARTH PLATE , USB | | CMC1A430 | 1 | | |
| | M1 | nsp | CHASSIS, BOTTOM | | CUA4A335 | 1 | * | |
| | M2 | nsp | RUBBER | | CHG1A113 | 1 | | |
| | M3 | nsp | LABEL, BOTTOM | | CQB1A1243 | 1 | * | |
| | M4 | 943407100020D | FOOT | | CKL1A190 | 4 | | |
| | M5 | nsp | CUSHION, FOOT | | CHG2A289 | 4 | | |
| | M6 | nsp | HEAT SINK | | CMY1A409 | 1 | * | |
| | M7 | nsp | HOLDER, PCB | | CHE170 | 2 | | |
| | M8 | nsp | BRACKET, SMPS | | CMD1A790 | 1 | | |
| | M9 | nsp | BRACKET, PCB | | CMD1A774 | 2 | | |
| | M10 | nsp | PANEL, REAR | | CKF1A481Z | 1 | * | |
| | M11 | nsp | BUSHING, AC CORD | | CHR1A028 | 1 | | |
| | M12 | 943403100570D | CABINET, TOP | | CKC1A215K117 | 1 | | |
| | S1 | nsp | SCREW | | CTB3+6JR | 9 | | |
| | S2 | nsp | SCREW | | CTW3+6JR | 2 | | |
| | S3 | nsp | SCREW | | CTB3+6FFZR | 7 | | |
| | S4 | nsp | SCREW | | CTB3+8JR | 26 | | |
| | S5 | nsp | SCREW | | CTB3+8JFZR | 5 | | |
| | S6 | nsp | SCREW | | CTBD3+8JFZR | 16 | | |
| | S7 | nsp | SCREW | | CTW3+8JR | 9 | | |
| | S8 | nsp | SCREW | | CTW3+12JR | 2 | | |
| | S9 | nsp | SCREW | | CTBD4+8JFZR | 6 | | |
| | S10 | nsp | SCREW | | CHDR1A023R | 4 | | |
| | S11 | nsp | SCREW | | CHD4A012R | 3 | | |
| | S12 | nsp | SCREW | | CHD1A012ZR | 15 | | |
| | S13 | nsp | SCREW | | CTWS3+10GR | 1 | | |
| | S14 | nsp | SCREW | | CTB3+6FR | 4 | | |
| | ★ | nsp | BRACKET,H/SPCB | | CMD1A802 | 2 | | |
| | ★ | nsp | TAPE,HEMELON | | CHS1A032 | 2 | | |
| | ★ | nsp | LABEL,POP | E3 | CQB1A1255Z | 1 | * | |
| | ★ | nsp | LABEL,POP | S500E1C | CQB1A1294Z | 1 | * | |
| | ★ | nsp | LABEL,POP | E1 | CQB1A1256Z | 1 | * | |
| | ★ | 943606502440D | CARDCABLE(1.25mm,27p,200mm,Btype,105'C,Shield) UL2086160VNogroundshield | | CWC5C4A27B200B10001 | 1 | | |
| | ★ | 943606502450D | CARDCABLE(1.0mm,10P,60mm,Btype,80'C) UL2079860VP | | CWC4F4A10A060A08 | 1 | | |
| | ★ | 943606502460D | CARDCABLE(1mm,09p,80mm,Btype,80) UL20798/60V | | CWC4F4A09A080B10 | 1 | | |

**EXPLODED_X510BT**

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

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

BK : Black model SP : Premium Silver model

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | P1 | nsp | FRONT PCB ASS'Y | | COP12619I(E1),J(E1C) | 1 | * | |
| | ┣P2 | nsp | STANDBY PCB ASS'Y | | COP12619I(E1),J(E1C) | 1 | * | |
| | ┗P3 | nsp | PHONE PCB ASS'Y | | COP12619I(E1),J(E1C) | 1 | * | |
| | P4 | 943639101410D | USB&MIC PCB ASS'Y | E1 | COP12652B(E1) | 1 | * | 3 |
| | P4 | 943639101420D | USB&MIC PCB ASS'Y | E1C | COP12652C(E1C) | 1 | * | 3 |
| | P5 | 943639101390D | MODULE, BLUETOOTH | | CNVMB8811C0B | 1 | * | |
| | P6 | nsp | MAIN PCB ASS'Y | | COP12649C(E1),D(E1C) | 1 | * | |
| | ┣P7 | nsp | PHONE WIRE GUIDE | | COP12649C(E1),D(E1C) | 1 | * | |
| | ┣P9 | nsp | TUNER PCB ASS'Y | | COP12649C(E1),D(E1C) | 1 | * | |
| | ┣P13 | nsp | FRONT CABLE GUIDE | | COP12649C(E1),D(E1C) | 1 | * | |
| | ┗P14 | nsp | USB WIRE GUIDE | | COP12649C(E1),D(E1C) | 1 | * | |
| | P8 | 943639101440D | DIGITAL PCB ASS'Y E1 | E1 | COP12650D | 1 | * | |
| | P8 | 943639101450D | DIGITAL PCB ASS'Y E1C | E1C | COP12650E (E1C) | 1 | * | |
| | P10 | nsp | VIDEO PCB ASS'Y | | COP12651B(E1),C(E1C) | 1 | * | |
| | P11 | nsp | REGULATOR PCB ASS'Y | | COP12615I(E1),J(E1C) | 1 | * | |
| | ┗P12 | nsp | SMPS PCB ASS'Y | | COP12615I(E1),J(E1C) | 1 | * | |
| ! | P15 | 943101102390D | TRANS, POWER | E1 | CLT5U056ZE | 1 | * | |
| ! | P15 | 943101102400D | TRANS, POWER | E1C | CLT5U056ZH | 1 | * | |
| | P16 | nsp | RECEPTACLE, AC | E1 | CJJ8A006ZW(E1) | 1 | | |
| | F1 | 943412100710D | KNOB, VOLUME (BK) | BK | CBN1A263 | 1 | | |
| | F1 | 943412100720D | KNOB, VOLUME (SP) | SP | CBN1A263C73 | 1 | | |
| | F2 | 943446100590D | PLATE, VOLUME KNOB | | CGX1A469 | 1 | | |
| | F3 | 943412101070D | KNOB, SELECT (BK) | BK | CBN1A274 | 1 | | |
| | F3 | 943412101080D | KNOB, SELECT (SP) | SP | CBN1A274C73 | 1 | | 2 |
| | F4 | 943446100760D | PLATE, VOLUME KNOB | | CGX1A481 | 1 | | |
| | F5 | 943419100870D | PANEL, SUB | BK | CGR1A570R12ZH70 | 1 | * | |
| | F5 | 943419100880D | PANEL, SUB | SP | CGR1A569R12Y | 1 | * | |
| | F6 | 943416101320D | WINDOW, FL | | CGU1A462N | 1 | | |
| | F7 | 42141002400AD | BADGE, DENON | BK | CGB1A275Y | 1 | | |
| | F7 | 42141002401AD | BADGE, DENON | SP | CGB1A275X | 1 | | |
| | F8 | 943402104590D | PANEL, FRONT | BK | CGW1A553RHUH70 | 1 | | |
| | F8 | 943402104600D | PANEL, FRONT | SP | CGW1A553RGYG45 | 1 | | |
| | F9 | 943411101750D | BUTTON, POWER | BK | CBT1A1167 | 1 | | |
| | F9 | 943411101760D | BUTTON, POWER | SP | CBT1A1167C73 | 1 | | |
| | F10 | 943423100510D | INDICATOR, POWER | | CGL1A299A36 | 1 | * | |
| | F11 | 943411101770D | BUTTON, 10KEY | | CBT2A1164 | 1 | | |
| | F12 | nsp | HOLDER, BT | | CMH1A356 | 1 | * | |
| | F13 | nsp | EARTH PLATE , USB | | CMC1A430 | 1 | | |
| | M1 | nsp | CHASSIS, BOTTOM | | CUA4A335 | 1 | * | |
| | M2 | nsp | RUBBER | | CHG1A113 | 1 | | |
| | M3 | nsp | LABEL, BOTTOM | | CQB1A1243 | 1 | * | |
| | M4 | 943407100020D | FOOT | | CKL1A190 | 4 | | |
| | M5 | nsp | CUSHION, FOOT | | CHG2A289 | 4 | | |
| | M6 | nsp | HEAT SINK | | CMY1A409 | 1 | * | |
| | M7 | nsp | HOLDER, PCB | | CHE170 | 2 | | |
| | M8 | nsp | BRACKET, SMPS | | CMD1A790 | 1 | | |
| | M9 | nsp | BRACKET, PCB | | CMD1A774 | 2 | | |
| | M10 | nsp | PANEL, REAR | E1 | CKF2A481Y | 1 | * | |
| | M10 | nsp | PANEL, REAR | E1C | CKF3A481X | 1 | * | |
| | M11 | nsp | BUSHING, AC CORD | | CHR1A028 | 1 | | |
| | M12 | 943403100570D | CABINET, TOP | BK | CKC1A215K117 | 1 | | |
| | M12 | 943403100580D | CABINET, TOP | SP | CKC1A215K117D11 | 1 | | |
| | S1 | nsp | SCREW | | CTB3+6JR | 9 | | |
| | S2 | nsp | SCREW | | CTW3+6JR | 2 | | |
| | S3 | nsp | SCREW | | CTB3+6FFZR | 7 | | |
| | S4 | nsp | SCREW | | CTB3+8JR | 26 | | |
| | S5 | nsp | SCREW | | CTB3+8JFZR | 5 | | |
| | S6 | nsp | SCREW | | CTBD3+8JFZR | 18 | | |
| | S7 | nsp | SCREW | | CTW3+8JR | 9 | | |
| | S8 | nsp | SCREW | | CTW3+12JR | 2 | | |
| | S9 | nsp | SCREW | BK | CTBD4+8JFZR | 6 | | |
| | S9 | nsp | SCREW | SP | CTBD4+8JFN | 6 | | |
| | S10 | nsp | SCREW | | CHDR1A023R | 4 | | |
| | S11 | nsp | SCREW | | CHD4A012R | 3 | | |
| | S12 | nsp | SCREW | | CHD1A012ZR | 15 | | |
| | S13 | nsp | SCREW | | CTWS3+10GR | 1 | | |
| | S14 | nsp | SCREW | | CTB3+6FR | 4 | | |
| | ★ | nsp | BRACKET,H/SPCB | | CMD1A802 | 2 | | |
| | ★ | nsp | TAPE,HEMELON | | CHS1A032 | 2 | | |
| | ★ | nsp | LABEL,POP | E3 | CQB1A1255Z | 1 | * | |
| | ★ | nsp | LABEL,POP | E1 | CQB1A1256Z | 1 | * | |
| | ★ | nsp | LABEL,POP | X510E1C | CQB1A1257Z | 1 | * | |
| | ★ | 943606502440D | CARDCABLE(1.25mm,27p,200mm,Btype,105'C,Shield) UL2086160VNogroundshield | | CWC5C4A27B200B10001 | 1 | | |
| | ★ | 943606502450D | CARDCABLE(1.0mm,10P,60mm,Btype,80'C) UL2079860VP | | CWC4F4A10A060A08 | 1 | | |
| | ★ | 943606502460D | CARDCABLE(1mm,09p,80mm,Btype,80) UL20798/60V | | CWC4F4A09A080B10 | 1 | | |

**PACKING_S500BT**

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

※The parts listed ł NOTE:The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

BK : Black model SP : Premium Silver model

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | 1 | nsp | BAG,POLY | | CPP1A081X | 1 | | |
| ! | 2 | 90M-YC000780R | CORD,POWER | E3 | CJA523FBWA | 1 | | |
| ! | 2 | 90M-YC000850R | CORD,POWER | E1C | CJA2N047WA | 1 | | |
| | 3 | 943533102490D | PAD,SNOW-L | | CPS2A916 | 1 | * | |
| | 4 | 943533101130D | PAD,SNOW-R | | CPS1A917 | 1 | | |
| | 5 | nsp | INSTRUCTION MANUAL ASS'Y | | - | 1 | | |
| | 5-1 | nsp | BAG,POLY(MANUAL) | | CPB1A197Z | 1 | | |
| | 5-2 | nsp | SHEET, NOTE ON RADIO | | CQE1A675Z | 1 | * | |
| | 5-3 | nsp | SHEET , SAFTY | E3 | CQE1A574Z | 1 | | |
| | 5-3 | nsp | SHEET , SAFTY | E1C | CQE1A618Z | 1 | | |
| | 5-4 | nsp | CARD,WARRANTY | E3 | CQE1A224N | 1 | | |
| | 5-5 | 54111118300AD | SHEET , GETTING START | E3 | CQX1A1803Z | 1 | * | |
| | 5-5 | 54111120800AD | SHEET , GETTING START | E1C | CQX1A1821Z | 1 | * | |
| | 5-6 | nsp | CARD FOR CHINA INDENTIFICATION | E1C | CQE1A450Z | 1 | | |
| | 5-7 | 30701017000AD | REMOCON ASS'Y (RC-1196) | | CARTAVRS500BT/X510BT | 1 | * | |
| | 5-8 | 943116100170D | FM 1 POLE ANT ( UL TYPE ) | | CSA1A044Z | 1 | | |
| | 5-9 | 963116100070S | ANT, AM LOOP(9.5uH/5T) | | CSA1A039Y | 1 | | |
| | 5-10 | nsp | BATTERY , AAA 2PCS IN PACK | | CABR03PPB | 2 | | |
| | 5-11 | 943324008700D | MICROPHONE ASS'Y | | CJXAVRS500BTMICRO | 1 | * | |
| | 5-12 | nsp | China Tuner Isolator | E1C | CLR9Z001Z | 1 | | |
| | 5-13 | 35201035700AD | CD MANULA ASS'Y | E1C | CFT1A148ZA | 1 | * | |
| | 6 | 53121042200AM | BOX , OUT CARTON | E3 | CPG1A962J | 1 | * | |
| | 6 | 943531104490D | BOX , OUT CARTON | E1C | CPG1A962G | 1 | * | |
| | 7 | nsp | CONTROL, LABEL | | CQB1A993Z | 1 | | |
| | 8 | nsp | CARD,WARRANTY | E1C | CQE1A473W | 1 | | |

**PACKING_X510BT**

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

※The parts listed ł NOTE:The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

BK : Black model SP : Premium Silver model

| | REF No. | Part No. | Part Name | Remarks | | Q'ty | New | Ver |
|---|---|---|---|---|---|---|---|---|
| | 1 | nsp | BAG,POLY | | CPP1A081X | 1 | | |
| ! | 2 | 90M-ZC000320R | CORD,POWER | E1 | CJA2B054Y | 1 | | |
| ! | 2 | 90M-YC000850R | CORD,POWER | E1C | CJA2N047WA | 1 | | |
| | 3 | 943533102490D | PAD,SNOW-L | | CPS2A916 | 1 | * | |
| | 4 | 943533101130D | PAD,SNOW-R | | CPS1A917 | 1 | | |
| | 5 | nsp | INSTRUCTION MANUAL ASS'Y | | - | 1 | | |
| | 5-1 | nsp | BAG,POLY(MANUAL) | | CPB1A197Z | 1 | | |
| | 5-2 | nsp | SHEET, NOTE ON RADIO | | CQE1A675Z | 1 | * | |
| | 5-3 | nsp | SHEET , SAFTY | E1 | CQE1A575Z | 1 | | |
| | 5-3 | nsp | SHEET , SAFTY | E1C | CQE1A618Z | 1 | | |
| | 5-5 | 35201033700AD | CD MANULA ASS'Y | E1 | CFT1A125ZA | 1 | * | |
| | 5-5 | 35201033701AD | CD MANULA ASS'Y | E1C | CFT1A126ZA | 1 | * | |
| | 5-4 | 54111118301AD | SHEET , GETTING START | E1 | CQX1A1810Z | 1 | * | |
| | 5-4 | 54111118302AD | SHEET , GETTING START | E1C | CQX1A1811Z | 1 | * | |
| | 5-6 | nsp | CARD FOR CHINA INDENTIFICATION | E1C | CQE1A450Z | 1 | | |
| | 5-7 | 30701017000AD | REMOCON ASS'Y (RC-1196) | | CARTAVRS500BT/X510BT | 1 | * | |
| | 5-8 | 943116100170D | FM 1 POLE ANT ( UL TYPE ) | | CSA1A044Z | 1 | | |
| | 5-9 | 963116100070S | ANT, AM LOOP(9.5uH/5T) | | CSA1A039Y | 1 | | |
| | 5-10 | nsp | BATTERY , AAA 2PCS IN PACK | | CABR03PPB | 2 | | |
| | 5-11 | 943324008700D | MICROPHONE ASS'Y | | CJXAVRS500BTMICRO | 1 | * | |
| | 5-12 | nsp | China Tuner Isolator | E1C | CLR9Z001Z | 1 | | |
| | 6 | 53121042300AM | BOX , OUT CARTON | E1 | CPG1A963Q | 1 | * | |
| | 6 | 53121042400AM | BOX , OUT CARTON | E1C | CPG1A962H | 1 | * | |
| | 7 | nsp | CONTROL, LABEL | | CQB1A993Z | 1 | | |
| | 8 | nsp | LABEL , WHITE M1 SG | SPE1C | CQB1A908Z | 2 | | |
| | 9 | nsp | CARD,WARRANTY | E1C | CQE1A473W | 1 | | |