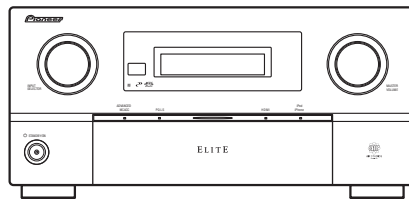


# Pioneer

## Service Manual



SC-37

ORDER NO.  
**RRV4137**

**AUDIO/VIDEO MULTI-CHANNEL RECEIVER**

# SC-37

## SC-35

## SC-1525-K

**THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).**

| Model     | Type  | Power Requirement | Remarks |
|-----------|-------|-------------------|---------|
| SC-37     | UXJCB | AC 120V           |         |
| SC-35     | UXJCB | AC 120V           |         |
| SC-1525-K | CUXJ  | AC 120V           |         |

**This service manual should be used together with the following manual(s).**

| Model No.                   | Order No. | Remarks               |
|-----------------------------|-----------|-----------------------|
| SC-37<br>SC-35<br>SC-1525-K | RRV4138   | PCB RETRIEVAL DIAGRAM |



For details, refer to "Important Check Points for good servicing".

**PIONEER CORPORATION** 1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, Japan

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# SAFETY INFORMATION



This service manual is intended for qualified service technicians ; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.



### WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65



### NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols  (fast operating fuse) and/or  (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

### REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible  (fusible de type rapide) et/ou  (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

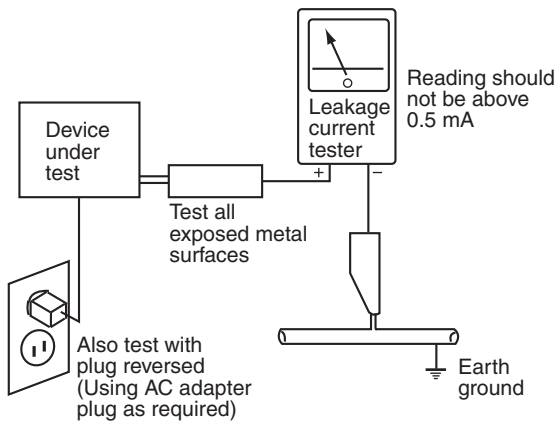
(FOR USA MODEL ONLY)

## 1. SAFETY PRECAUTIONS

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

### LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.




AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

## 2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a  on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

## [Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol. Please be sure to confirm and follow these procedures.

### 1. Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

- ① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

- ② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification (addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

- ③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

- ④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

- ⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

- ⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

- ⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

- ⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

- ⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

- ⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

### 2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

### 3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

### 4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

### 5. Shipping mode and Shipping screws



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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# 1. SERVICE PRECAUTIONS

## 1.1 NOTES ON SOLDERING

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.  
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C. Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Do NOT use a soldering iron whose tip temperature cannot be controlled.

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

- Parts numbers of lead-free solder:  
GYP1006 1.0 in dia.  
GYP1007 0.6 in dia.  
GYP1008 0.3 in dia.

## 1.2 NOTES ON REPLACING

The part listed below is difficult to replace as a discrete component part.

When the part listed in the table is defective, replace whole Assy.

| ASSY NAME            | PCB ASSY Part No.            | Parts that is Difficult to Replace |                                |                    |                              |
|----------------------|------------------------------|------------------------------------|--------------------------------|--------------------|------------------------------|
|                      |                              | Ref No.                            | FUNCTION                       | Part No.           | Remarks                      |
| DIGITAL<br>MAIN ASSY | AWX9620<br>(SC-37)           | IC101                              | MAIN CPU                       | UPD61283F1-407LU2A | BGA                          |
|                      |                              | IC904                              | HDMI Reciver                   | SII9233ACTU        | IC with heat-pad             |
|                      |                              | IC1204                             | Digital Video Format Converter | 88DE2750           | BGA                          |
|                      |                              | IC1212                             | DDR2 SDRAM                     | EDE5116AJBG-8E-E   | BGA                          |
|                      |                              | IC9202                             | 2NDDSP                         | D787E001BRFP250L   | IC with heat-pad             |
|                      |                              | IC9503                             | HDMI Processor                 | DM850E-UFS         | IC with heat-pad             |
|                      |                              | IC9802                             | Regulator                      | NJM2846DL3-33      | IC with heat-pad             |
|                      |                              | IC9803                             | Regulator                      | NJM2846DL3-18      | IC with heat-pad             |
|                      |                              | IC9804                             | Regulator                      | NJM2846DL3-18      | IC with heat-pad             |
|                      |                              | IC9805                             | Regulator                      | NJM2846DL3-33      | IC with heat-pad             |
|                      |                              | IC9810                             | Regulator                      | MM1701WH           | IC with heat-pad             |
|                      |                              | IC9811                             | Regulator                      | NJM2846DL3-33      | IC with heat-pad             |
|                      |                              | C9844                              | Capacitor                      | ACH7309            | Land of component lower part |
|                      |                              | C9845                              | Capacitor                      | ACH7314            | Land of component lower part |
|                      | AWX9621<br>(SC-35,SC-1525-K) | IC101                              | MAIN CPU                       | UPD61283F1-407LU2A | BGA                          |
|                      |                              | IC904                              | HDMI Reciver                   | SII9233ACTU        | IC with heat-pad             |
|                      |                              | IC1204                             | Digital Video Format Converter | 88DE2750           | BGA                          |
|                      |                              | IC1212                             | DDR2 SDRAM                     | EDE5116AJBG-8E-E   | BGA                          |
|                      |                              | IC9506                             | Ethernet Controller            | LAN9211-ABZJ       | IC with heat-pad             |
|                      |                              | IC9804                             | Regulator                      | NJM2846DL3-18      | IC with heat-pad             |
|                      |                              | IC9810                             | Regulator                      | MM1701WH           | IC with heat-pad             |
|                      |                              | IC9811                             | Regulator                      | NJM2846DL3-33      | IC with heat-pad             |
|                      |                              | C9844                              | Capacitor                      | ACH7309            | Land of component lower part |
|                      |                              | C9845                              | Capacitor                      | ACH7314            | Land of component lower part |

## 1.3 CAUTION

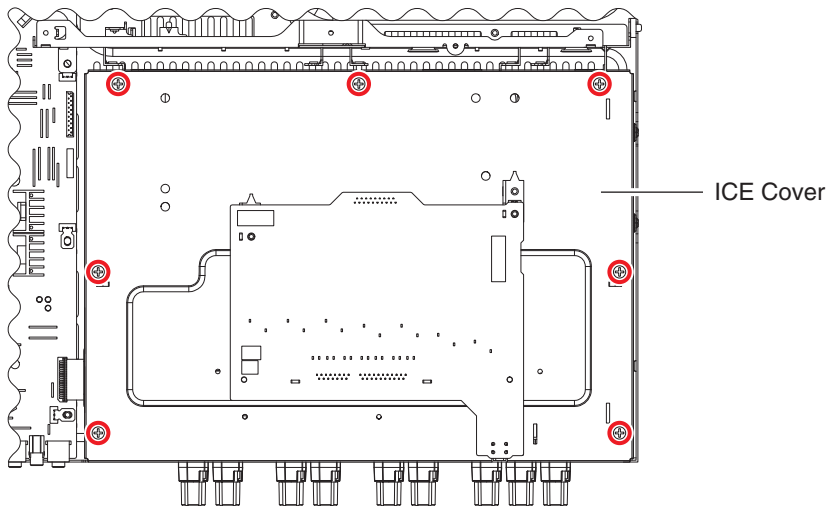
- **Discharging**  
Before starting the diagnosis, wait for three minutes until the electricity of the unit is discharged.
- **Ground Points**  
Please refer to page 74, "Ground Points".

# 1.4 NOTES ON ASSEMBLING

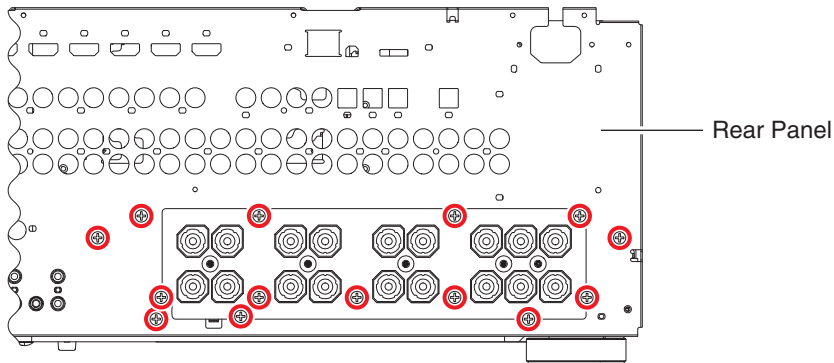
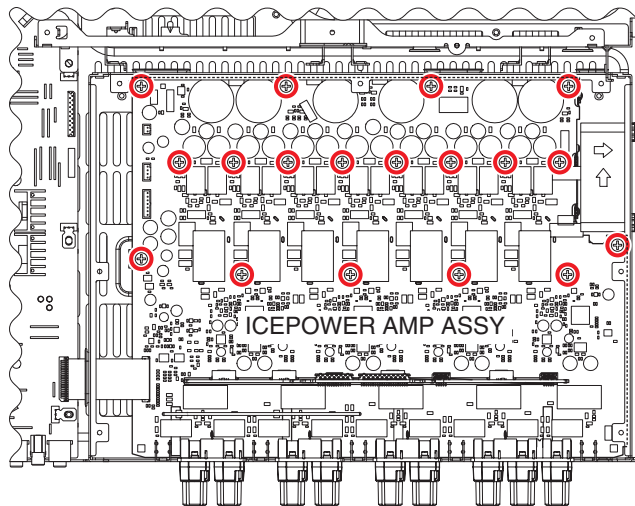
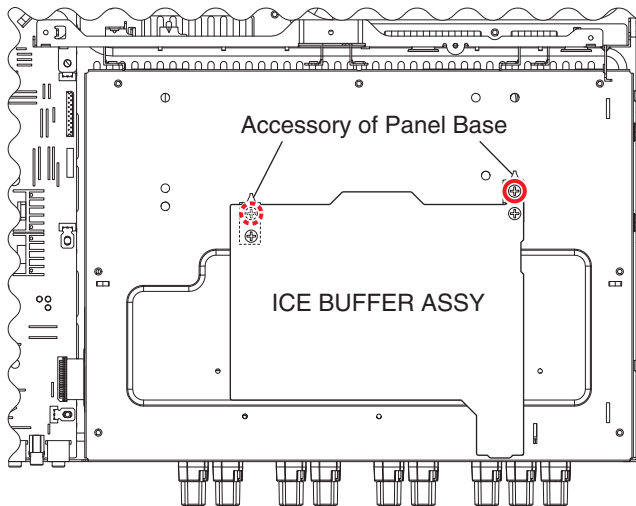
**Note :** The right and left positions for the attachment positioning of ICE amplifier block are gradual, however, adjust the front and back positions correctly. For the positioning procedure, refer to "7. DISASSEMBLY".

When assembling the ICE amplifier block, please note the following points of screws to prevent from short-circuit.

The following 7 points of screws must always be used AMZ30P060FTC



Points to be watched for swarf



If a screw at any of these points needs to be removed for service, be sure to check that the swarf is not on the screw before refastening.

# 2. SPECIFICATIONS

## 2.1 SPECIFICATIONS

### Amplifier Section

**Continuous average power output of 140 watts\* per channel, min., at 8 ohms, from 20 Hz to 20 000 Hz with no more than 0.08%\*\* total harmonic distortion.**

Multi channel simultaneous power output (1 kHz, 1 %, 8 Ω)  
7 ch total . . . . .770 W (SC-37)/700 W (SC-35)

Continuous Power Output (20 Hz to 20 kHz, 8 Ω, 0.08 %)  
Front . . . . . 140 W + 140 W  
Center . . . . . 140 W  
Surround . . . . . 140 W + 140 W  
Surround back (Front height/wide) . . . . . 140 W + 140 W

Continuous Power Output (1 kHz, 6 Ω, 1.0 %)  
Front . . . . . 180 W + 180 W  
Center . . . . . 180 W  
Surround . . . . . 180 W + 180 W  
Surround back (Front height/wide) . . . . . 180 W + 180 W  
Total harmonic distortion . . . . . 0.05 %  
(20 Hz to 20 kHz, 130 W, 8 Ω)

\* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers  
\*\* Measured by Audio Spectrum Analyzer

### Audio Section

Input (Sensitivity/Impedance)  
PHONO MM . . . . . .5 mV/47 k Ω  
LINE . . . . . .400 mV/47 k Ω

Output (Level/Impedance)  
REC . . . . . .400 mV/2.2 k Ω  
Signal-to-Noise Ratio (IHF, short circuited, A network)  
LINE . . . . . .103 dB  
Frequency Response . . . . . .5 Hz to 100 000 Hz±3 dB  
(Pure Direct Mode)

### Tuner Section

Frequency Range (FM) . . . . . 87.5 MHz to 108 MHz  
Antenna Input (FM) . . . . . .75 Ω unbalanced  
Frequency Range (AM) . . . . . 531 kHz to 1602 kHz  
Antenna (AM) . . . . . Loop antenna (balanced)

### Video Section

Signal level  
Composite Video . . . . . 1 V p-p (75 Ω)  
Component Video . . . . . Y: 1.0 V p-p (75 Ω),  
PB, PR: 0.7 V p-p (75 Ω)  
Corresponding maximum resolution  
Component Video . . . . . 1080 p (1125p)  
(Video convert off)

### Digital In/Out Section

HDMI terminal . . . . . 19-pin (Not DVI)  
HDMI output type . . . . . 5 V, 100 mA  
USB terminal . . . . . USB2.0 Full Speed (Type A)  
iPod terminal . . . . . USB, and Video (Composite)  
SIRIUS antenna cable . . . . . 8-pin mini DIN cable  
ADAPTER PORT terminal . . . . . 5 V, 100 mA

### Integrated Control Section

Control (SR) terminal . . . . . Ø 3.5 Mini-jack (MONO)  
Control (IR) terminal . . . . . Ø 3.5 Mini-jack (MONO)  
IR signal . . . . . High Active (High Level: 2.0 V)  
12 V Trigger terminal . . . . . Ø 3.5 Mini-jack (MONO)  
12 V Trigger output type . . . . . 12 V, Total 150 mA  
RS-232C cable type . . . . . 9-pin, cross type, female-female  
EXTENSION terminal (SC-35 only) . . . . . 5 V, 150 mA  
CU-RF100 terminal (SC-37 only) . . . . . 5 V, 150 mA

### Network Section

LAN terminal . . . . . 10 BASE-T/100 BASE-TX

### Remote control unit (SC-37 only)

Power . . . . . DC 3 V  
Estimated line-of-sight transmission distance\* . . . . . About 10 m  
Radio frequency band . . . . . 2.4 GHz  
Modulation system . . . . . Direct Sequence Spread Spectrum (DSSS)  
Dimensions . . . . . 51 mm (W) x 255 mm (H) x 34 mm (D)  
(2 1/16 in. (W) x 10 1/16 in. (H) x 1 3/8 in. (D))  
Weight . . . . . 190 g (0.4 lb)

### RF adapter (SC-37 only)

Power . . . . . DC 5 V  
Estimated line-of-sight transmission distance\* . . . . . About 10 m  
Radio frequency band . . . . . 2.4 GHz  
Modulation system . . . . . Direct Sequence Spread Spectrum (DSSS)  
Dimensions . . . . . 49 mm (W) x 21 mm (H) x 64.5 mm (D)  
(2 in. (W) x 7/8 in. (H) x 2 9/16 in. (D))  
Weight . . . . . 90 g (0.2 lb)

\* The line-of-sight transmission distance is an estimate. Actual transmission distances supported may differ depending on surrounding conditions.

### Miscellaneous

Power requirements . . . . . AC 120 V, 60 Hz  
Power consumption . . . . . 330 W  
In standby . . . . . 0.2 W (HDMI Setup – Control : OFF)  
0.3 W (HDMI Setup – Control : ON)  
Dimensions . . . . . 420 mm (W) x 200 mm (H) x 460 mm (D)  
(16 9/16 in. (W) x 7 7/8 in. (H) x 18 1/8 in. (D))  
Weight (without package) . . . . . 18.5 kg (40.8 lb)

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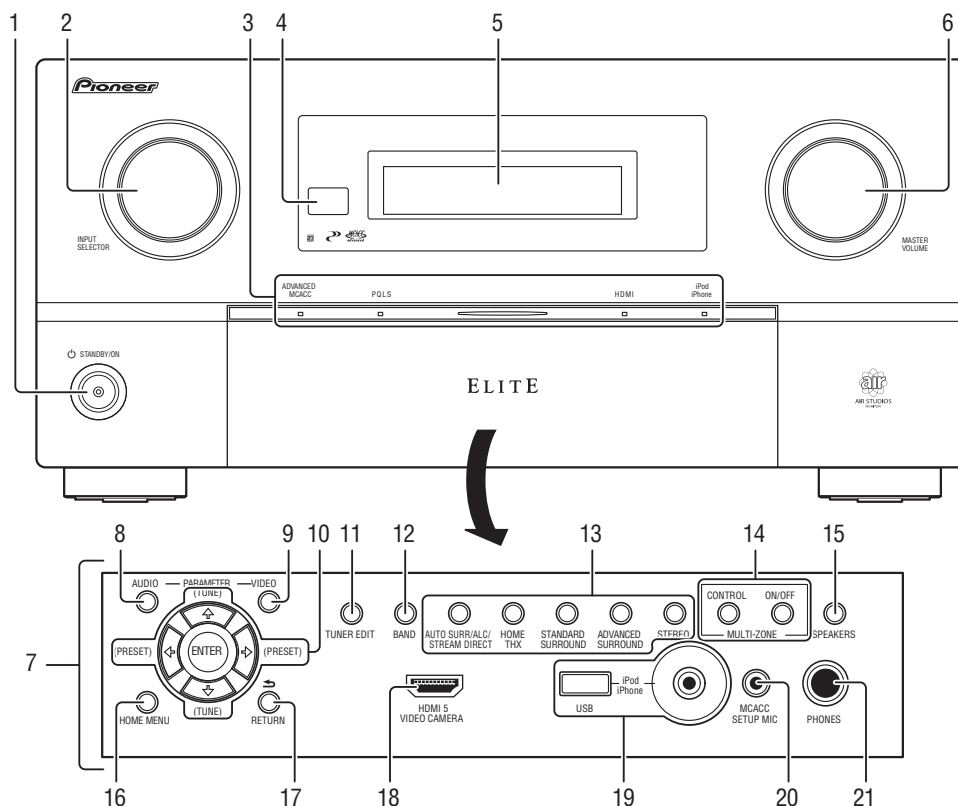
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## 2.2 PANEL FACILITIES

### [1] Front panel



#### 1 STANDBY/ON

Switches the receiver between on and standby.

#### 2 INPUT SELECTOR dial

Use to select an input function.

#### 3 Indicators

**ADVANCED MCACC** – Lights when EQ is set to ON in the AUDIO PARAMETER menu.

**PQLS** – Lights when the PQLS feature is active.

**HDMI** – Blinks when connecting an HDMI-equipped component; lights when the component is connected.

**iPod/iPhone** – Lights to indicate iPod/iPhone is connected.

#### 4 Remote sensor

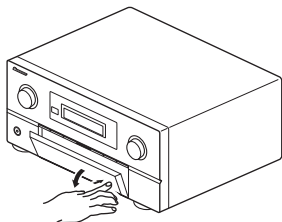
Receives the signals from the remote control.

#### 5 Character display

#### 6 MASTER VOLUME dial

#### 7 Front panel controls

To access the front panel controls, push gently on the lower third portion of the panel with your finger.



#### 8 AUDIO PARAMETER

Use to access the Audio options.

#### 9 VIDEO PARAMETER

Use to access the Video options.

#### 10 (TUNE /PRESET) /ENTER

Use the arrow buttons when setting up your Home Menu. Use TUNE to find radio frequencies and use PRESET to find preset stations.

#### 11 TUNER EDIT

Use with /ENTER to memorize and name stations for recall.

#### 12 BAND

Switches between AM and FM radio bands.

#### 13 Listening mode buttons

**AUTO SURR /ALC /STREAM DIRECT** – Switches between Auto Surround, Auto Level Control, Optimum Surround<sup>1</sup> mode and Stream Direct mode.

**HOME THX** – Press to select a Home THX listening mode.

**STANDARD SURROUND** – Press for Standard decoding and to switch various modes ( Pro Logic, Neo:6, etc.).

**ADVANCED SURROUND** – Use to switch between the various surround modes.

**STEREO** – Switches between stereo playback and Front Stage Surround Advance modes.

Sound Retriever Air (in ADAPTER PORT function only)

#### 14 MULTI-ZONE controls

If you've made MULTI-ZONE connections use these controls to control the sub zone from the main zone.

**15 SPEAKERS**

Use to change the speaker terminal.

**16 HOME MENU**

Press to access the Home Menu.

**17 RETURN**

Press to confirm and exit the current menu screen.

**18 HDMI input connector**

Use for connection to a compatible HDMI device (Video camera, etc.).

**19 iPod/iPhone/USB terminals**

Use to connect your Apple iPod as an audio and video source, or connect a USB device for audio and photo playback.

**20 MCACC SETUP MIC jack**

Use to connect the supplied microphone.

**21 PHONES jack**

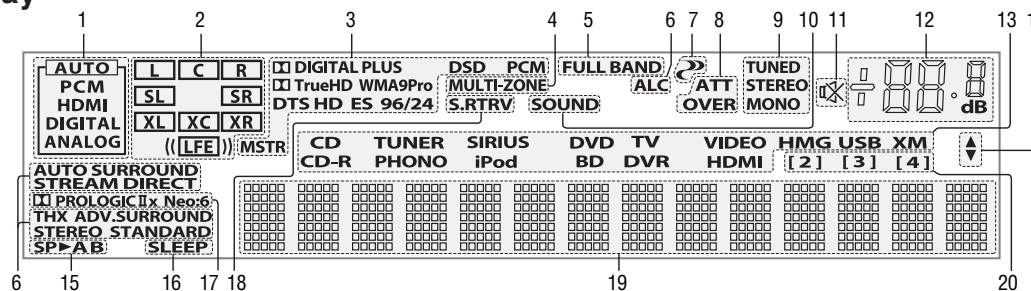
Use to connect headphones. When the headphones are connected, there is no sound output from the speakers.

---

**Note**

1 Optimum Surround mode is only apply to the SC-37.

## [2] Display



### 1 SIGNAL indicators

Light to indicate the currently selected input signal.

**AUTO** lights when the receiver is set to select the input signal automatically.

### 2 Program format indicators

Light to indicate the channels to which digital signals are being input.

**L/R** – Left front/Right front channel

**C** – Center channel

**SL/SR** – Left surround/Right surround channel

**LFE** – Low frequency effects channel (the (( )) indicators light when an LFE signal is being input)

**XL/XR** – Two channels other than the ones above

**XC** – Either one channel other than the ones above, the mono surround channel or matrix encode flag

### 3 Digital format indicators

Light when a signal encoded in the corresponding format is detected.

**DIGITAL** – Lights with Dolby Digital decoding.

**DIGITAL PLUS** – Lights with Dolby Digital Plus decoding.

**TrueHD** – Lights with Dolby TrueHD decoding.

**DTS** – Lights with DTS decoding.

**DTS HD** – Lights with DTS-HD decoding.

**96/24** – Lights with DTS 96/24 decoding.

**WMA9 Pro** – Lights to indicate that a WMA9 Pro signal is being decoded.

**DSD PCM** – Light during DSD (Direct Stream Digital) to PCM conversion with SACDs.

**PCM** – Lights during playback of PCM signals.

**MSTR** – Lights during playback of DTS-HD Master Audio signals.

### 4 MULTI-ZONE

Lights when the MULTI-ZONE feature is active.

### 5 FULL BAND

SC-37 only: Lights when the Full Band Phase Control is switched on.

### 6 Listening mode indicators

**AUTO SURROUND** – Lights when the Auto Surround feature is switched on.

**ALC** – Lights when the ALC (Auto level control) mode is selected.

**STREAM DIRECT** – Lights when Direct/Pure Direct is selected.

**ADV.SURROUND** – Lights when one of the Advanced Surround modes has been selected.

**STEREO** – Lights when stereo listening is switched on.

**STANDARD** – Lights when one of the Standard Surround modes is switched on.

**THX** – Lights when one of the Home THX modes is selected.

### 7 (PHASE CONTROL)

Lights when the Phase Control or Full Band Phase Control<sup>1</sup> is switched on.

### 8 Analog signal indicators

Light to indicate reducing the level of an analog signal.

### 9 Tuner indicators

**TUNED** – Lights when a broadcast is being received.

**STEREO** – Lights when a stereo FM broadcast is being received in auto stereo mode.

**MONO** – Lights when the mono mode is set using **MPX**.

### 10 SOUND

Lights when any of the Midnight, Loudness or tone controls features is selected.

Lights when Dialog Enhancement is switched on.

### 11

Lights when the sound is muted.

### 12 Master volume level

Shows the overall volume level.

“---” indicates the minimum level, and “+12dB” indicates the maximum level.

### 13 Input function indicators

Light to indicate the input function you have selected. (HMG only lights for the SC-37.)

### 14 Scroll indicators

Light when there are more selectable items when making the various settings.

### 15 Speaker indicators

Lights to indicate the current speaker system, **A** and/or **B**.

### 16 SLEEP

Lights when the receiver is in sleep mode.

### 17 Matrix decoding format indicators

**PRO LOGIC IIx** – This lights to indicate Pro Logic II / Pro Logic IIx decoding.

**Neo:6** – When one of the Neo:6 modes of the receiver is on, this lights to indicate Neo:6 processing.

### 18 S.RTRV

Lights when the Sound Retriever function is active.

### 19 Character display

Displays various system information.

### 20 Remote control mode indicator

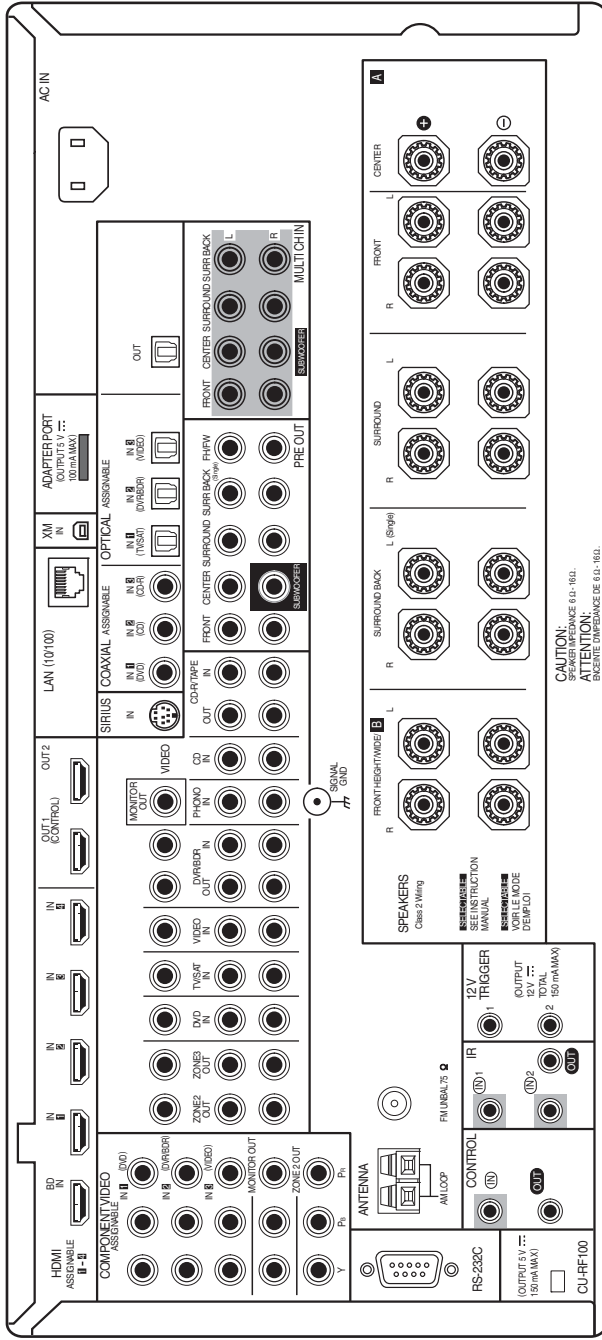
Lights to indicate the receiver's remote control mode setting. (Not displayed when set to 1.)

#### Note

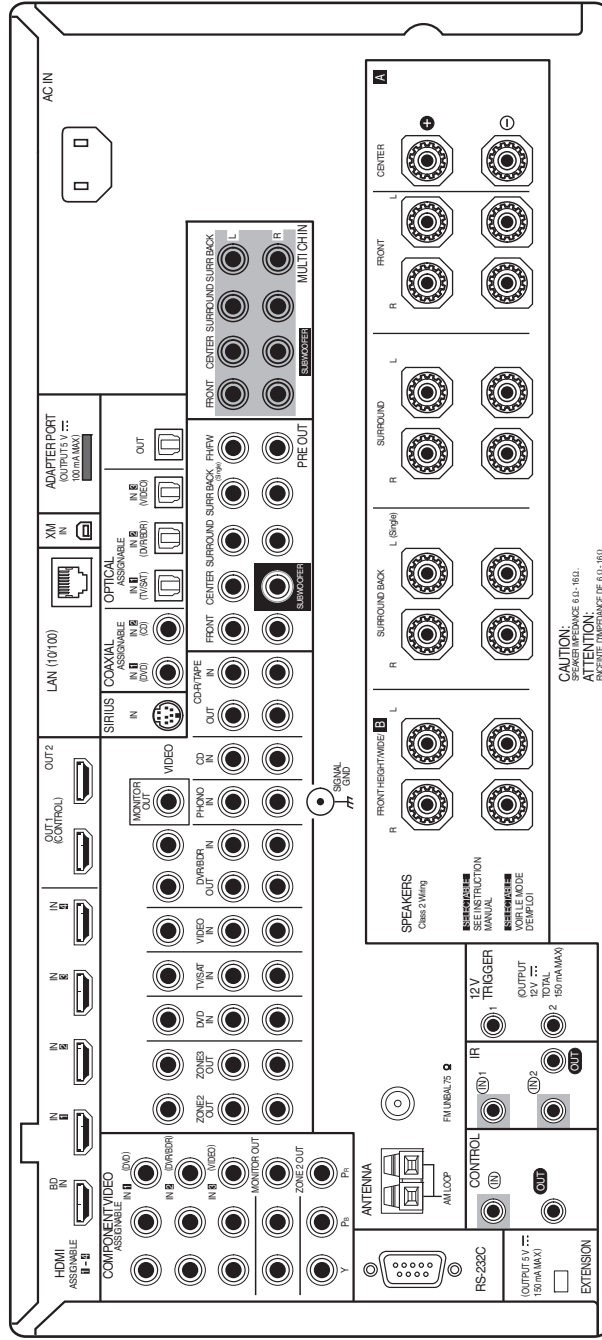
<sup>1</sup> Full Band Phase Control is only apply to the SC-37.

### [3] Rear panel

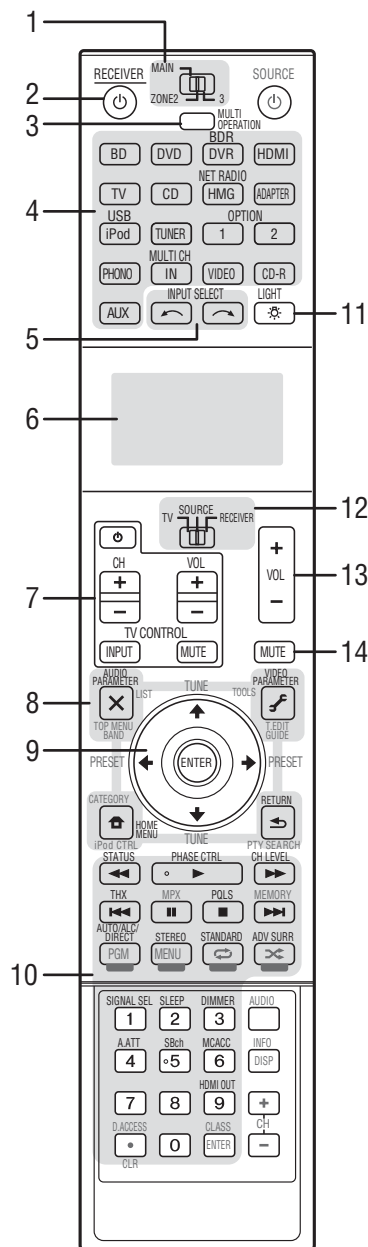
SC-37



SC-35



## [4] Remote control (in case of SC-37)



The remote has been conveniently color-coded according to component control using the following system:

- **White** – Receiver control, TV control
- **Blue** – Other controls

### 1 MULTI-ZONE operation selector switch

Switch to perform operations in the main zone, ZONE 2 and ZONE 3.

### 2 RECEIVER

This switches between standby and on for this receiver.

### 3 MULTI OPERATION

Use this button to perform multi operations.

### 4 Input function buttons

Press to select control of other components.

With these models, the Sirius input is selected with the **OPTION 1** button, the XM input with the **OPTION 2** button. Also, there is no **AUX** input on this receiver, so the **AUX** button cannot be used.

### 5 INPUT SELECT

Use to select the input function.

### 6 Character display

This display shows information when transmitting control signals. The remote screen's display differs when operating the receiver by sending infrared signals from the remote control and when operating it by RF two-way communications.

### 7 TV CONTROL buttons

These buttons are dedicated to control the TV assigned to the **TV** operation selector switch.

### 8 Receiver setting buttons

Set the remote control operation selector switch to **RECEIVER** first to access:

**AUDIO PARAMETER** – Use to access the Audio options.

**VIDEO PARAMETER** – Use to access the Video options.

**HOME MENU** – Use to access the Home Menu.

**RETURN** – Press to confirm and exit the current menu screen.

### 9 /ENTER

Use the arrow buttons when setting up your surround sound system and the Audio or Video options.

### 10 Receiver Control buttons

Set the remote control operation selector switch to **RECEIVER** first to access:

- STATUS** – Press to check selected receiver settings.
- PHASE CTRL** – Press to switch on/off Phase Control or Full Band Phase Control.
- CH LEVEL** – Press repeatedly to select a channel, then use **←/→** to adjust the level.
- THX** – Press to select a Home THX listening mode.
- PQLS** – Press to select the PQLS setting.
- AUTO/ALC/DIRECT** – Switches between Auto Surround, Auto Level Control, Optimum Surround mode and Stream Direct mode.
- STEREO** – Switches between stereo playback and Front Stage Surround Advance modes.
- STANDARD** – Press for Standard decoding and to switch various modes (**Dolby** Pro Logic, Neo:6, etc.).
- ADV SURR** – Use to switch between the various surround modes.
- SIGNAL SEL** – Use to select an input signal.
- SLEEP** – Use to put the receiver in sleep mode and select the amount of time before sleep.
- DIMMER** – Dims or brightens the display.
- A.ATT** – Attenuates (lowers) the level of an analog input signal to prevent distortion.
- SBch** – With this receiver, **SBch** cannot be used.
- MCACC** – Press to switch between MCACC presets
- HDMI OUT** – Switch the HDMI output terminal.

### 11 LIGHT

Press to turn on/off the illumination for the buttons<sup>1</sup>

### 12 Remote control operation selector switch

Set to **RECEIVER** to operate the receiver, **TV** or **SOURCE** to operate the TV or the source device.

When this switch is set to **RECEIVER**, the receiver can be controlled (used to select the white commands). Also use this switch to set up surround sound.

**Note**

1 Press and hold in the **LIGHT** button for 5 seconds to change the illumination mode 1 or 2. When set to **LIGHT MODE 2** (default), the illumination only lights when the remote control **LIGHT** button is pressed. When switched to **LIGHT MODE 1**, the illumination lights whenever buttons are operated. Setting **LIGHT MODE 1** will shorten the service life of the batteries.

2 The display lights when a remote control operation is performed, then turns off after 20 seconds if no other operation is performed. When in the Remote Setup mode, the setup is canceled and the display turns off if no operation is performed for 1 minute.

3 • This is displayed when an RF adapter is connected to the receiver and paired with the remote control.  
 • Depending on the communications environment, two-way communications may not work well and the remote control display may not reflect the receiver's status.

### 13 VOL +/-

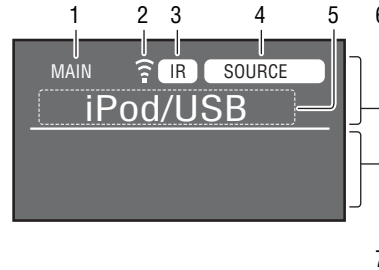
Use to set the listening volume.

### 14 MUTE

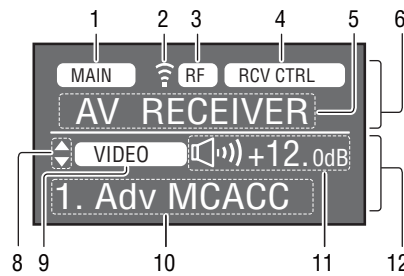
Mutes the sound or restores the sound if it has been muted (adjusting the volume also restores the sound).

### Remote control display<sup>2</sup>

#### Remote control display for infrared signal transmission (default)



#### Remote control display for RF two-way communications<sup>3</sup>



#### 1 Remote control operating zone indicator

This indicates which zone the remote control is currently set to operate. The display indicates the setting of the MULTI-ZONE operation selector switch.

Only when RF two-way communications:

The box display here indicates the communication status between this remote control unit and the receiver.

**MAIN** (White box with black letters): Two-way communications are established and the receiver's power is on.

**MAIN** (Gray box with black letters): Two-way communications are established and the receiver's power is off.

**MAIN** (White letters only): Two-way communications are not working well. In this case, the area indicating the receiver's status (**12**) is not displayed.

## 2 Remote control code sending indicator

This appears when signals are sent from the remote control.

## 3 Remote control code sending mode indicator

This indicates whether remote control codes are being sent by infrared (**IR**) signal or **RF** communications.

## 4 Remote control operation indicator

This indicates which operation mode the remote control is currently set to. The display indicates the setting of the remote control operation selector switch.

## 5 Input function and sending code indicator

This indicates what input function can currently be operated with the remote control. Also, when a button is pressed and its operation code is sent, the name of that code is displayed.

## 6 Area indicating the remote control's status

### 7 Nothing displayed

Nothing is displayed here when the remote control code sending mode is set to **IR**.

## 8 Scroll indicators

Light when there are more selectable items when making the various settings.


## 9 Receiver input indicator

This indicates the input function currently selected for the receiver's zone.

## 10 Receiver display

The same information as on the receiver's display is displayed here.

## 11 Master volume display

This indicates the volume of the receiver's main zone using, as an icon and in decibels (dB). When the sound is muted, the  icon is displayed.

## 12 Area indicating the receiver's status

A

B

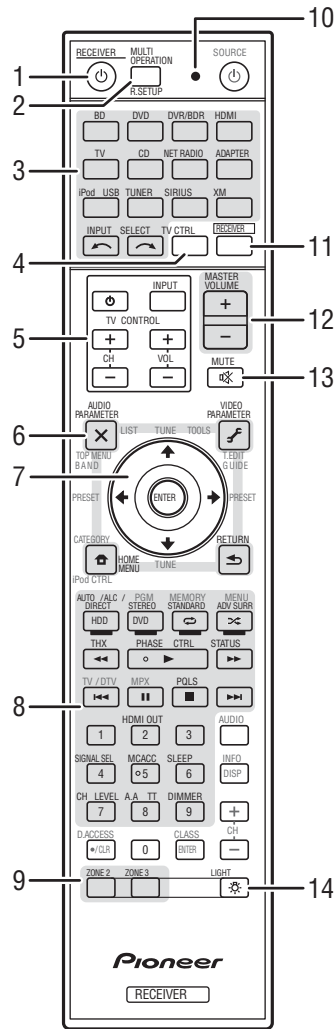
C

D

E

F

## [5] Remote control (in case of SC-35/SC-1525-K)



The remote has been conveniently color-coded according to component control using the following system:

- **White** – Receiver control, TV control
- **Blue** – Other controls

### 1 RECEIVER

This switches between standby and on for this receiver.

### 2 **MULTI OPERATION** – Use to perform multi operations.

**R.SETUP** – Use to input the preset code when making remote control settings and to set the remote control mode.

### 3 **Input function buttons**

Press to select control of other components.

Use **INPUT SELECT** to select the input function.

### 4 **TV CTRL**

Set the preset code of your TV's manufacturer when controlling the TV.

### 5 **TV CONTROL buttons**

These buttons are dedicated to control the TV assigned to the **TV CTRL** button.

### 6 **Receiver setting buttons**

Press **RECEIVER** first to access:

**AUDIO PARAMETER** – Use to access the Audio options.

**VIDEO PARAMETER** – Use to access the Video options.

**HOME MENU** – Use to access the Home Menu

**RETURN** – Press to confirm and exit the current menu screen.

### 7 /ENTER

Use the arrow buttons when setting up your surround sound system and the Audio or Video options.

### 8 **Receiver Control buttons**

Press **RECEIVER** first to access:

**AUTO/ALC/DIRECT** – Switches between Auto Surround, Auto Level Control mode and Stream Direct mode.

**STEREO** – Switches between stereo playback and Front Stage Surround Advance modes.

**STANDARD** – Press for Standard decoding and to switch various modes ( Pro Logic, Neo:6, etc.).

**ADV SURR** – Use to switch between the various surround modes.

**THX** – Press to select a Home THX listening mode.

**PHASE CTRL** – Press to switch on/off Phase Control.

**STATUS** – Press to check selected receiver settings.

**PQLS** – Press to select the PQLS setting.

**HDMI OUT** – Switch the HDMI output terminal.

**SIGNAL SEL** – Use to select an input signal.

**MCACC** – Press to switch between MCACC presets.

**SLEEP** – Use to put the receiver in sleep mode and select the amount of time before sleep.

**CH LEVEL** – Press repeatedly to select a channel, then use to adjust the level.

**A.ATT** – Attenuates (lowers) the level of an analog input signal to prevent distortion.

**DIMMER** – Dims or brightens the display.

### 9 **MULTI-ZONE select buttons**

Switch to perform operations in ZONE 2 and ZONE 3.

### 10 **Remote control LED**

Lights when a command is sent from the remote control.

### 11 **RECEIVER**

Switches the remote to control the receiver (used to select the white commands).

Switch to perform operations in the main zone.

Also use this button to set up surround sound.

### 12 **MASTER VOLUME +/-**

Use to set the listening volume.

### 13 **MUTE**

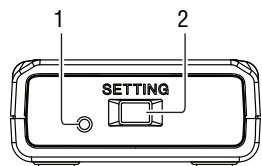
Mutes the sound or restores the sound if it has been muted (adjusting the volume also restores the sound).

### 14

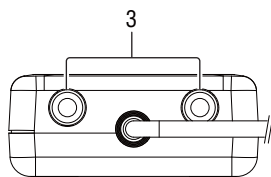
Press to turn on/off the illumination for the buttons. The way the buttons light can be selected from four modes.

## [6] RF Adapter (in case of SC-37)

Front



Rear



**1 LED**

**2 SETTING**

Use to pairing the RF adapter and remote control.

**3 IR blaster terminals**

Connect the IR blaster cable.

## 3. BASIC ITEMS FOR SERVICE

### 3.1 CHECK POINTS AFTER SERVICING

#### A Items to be checked after servicing

To keep the product quality after servicing, confirm recommended check points shown below.

| No. | Procedures   | Check points   |
|-----|--|--|
| 1   | Confirm whether the customer complain has been solved.<br>If the customer complain occurs with the particular source, such as Dolby Digital, DTS, AAC, DVD-A and HDMI, input it for the operation check. | The customer complain must not be reappeared.<br>Video, Audio and operations must be normal. |
| 2   | Check the analog audio playback.<br>(Make the analog connections with a DVD player.)   | Each channel audio and operations must be normal.  |
| 3   | Check the digital audio playback.<br>(Make the digital connections with a DVD player.)   | Each channel audio and operations must be normal.  |
| 4   | Check surround playback.<br>(Select Surround mode and check the multichannel operations via the DSP circuit.)  | Each channel audio and operations must be normal.  |
| 5   | Check the video outputs.<br>(Connect with a DVD player.)   | Video and operations must be normal.   |
| 6   | Check the tuner (AM and FM) operations.  | Audio and operations must be normal.   |
| 7   | Check the sound from headphone output.   | Sound must be normal, without noise.   |
| 8   | Check the appearance of the product.   | No scratches or dirt on its appearance after receiving it for service.                       |

See the table below for the items to be checked regarding video and audio.

| Item to be checked regarding video | Item to be checked regarding audio |
|------------------------------------|------------------------------------|
| Block noise                        | Distortion                         |
| Horizontal noise                   | Noise                              |
| Flicker                            | Volume too low                     |
| Disturbed image (video jumpiness)  | Volume too high                    |
| Too dark                           | Volume fluctuating                 |
| Too bright                         | Sound interrupted                  |
| Mottled color                      |                                    |

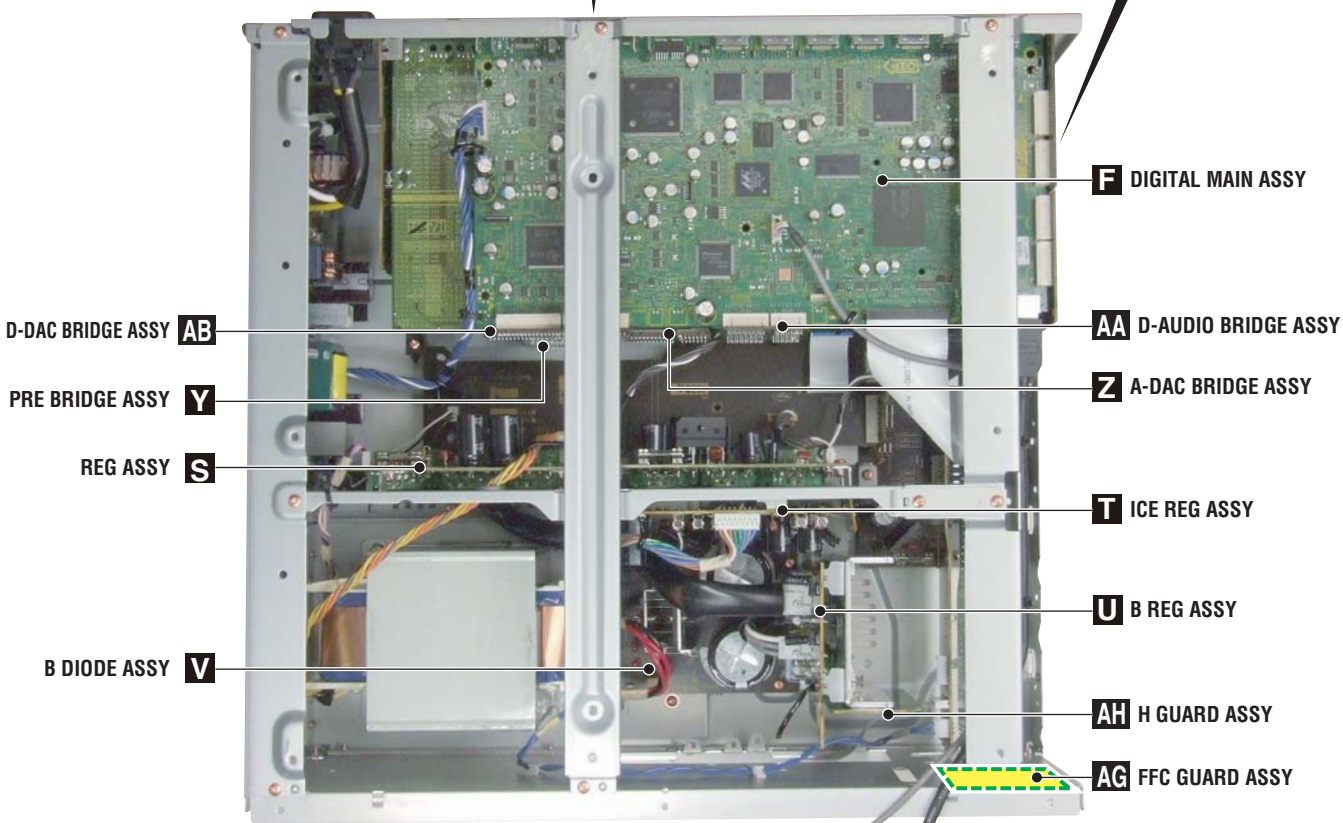
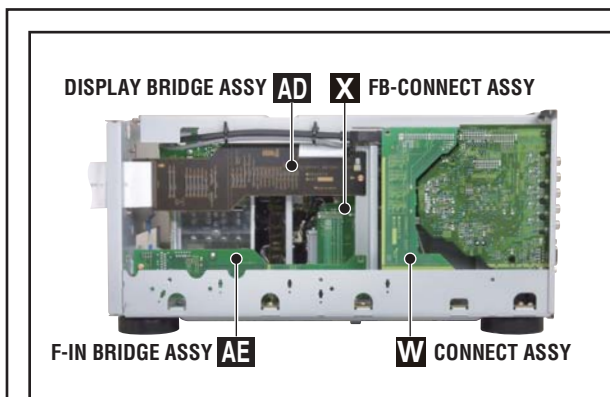
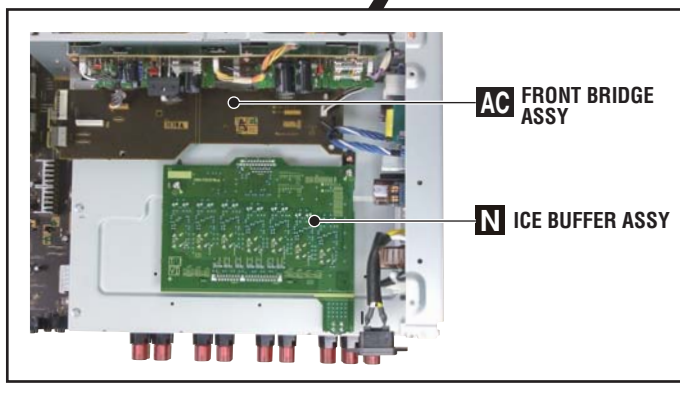
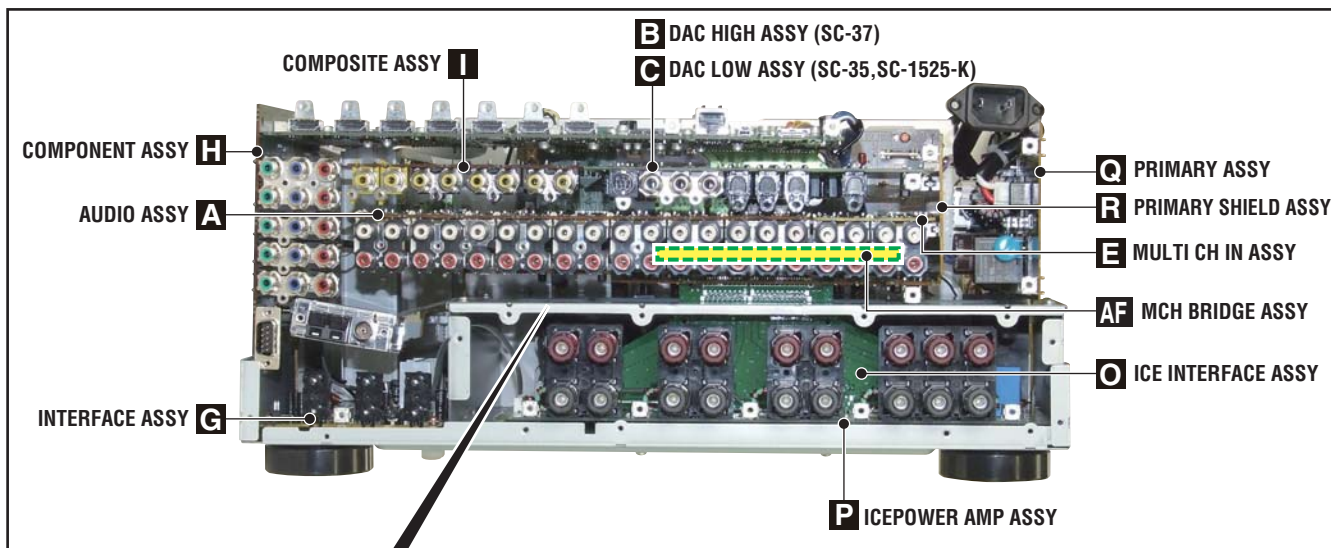
#### Cleaning



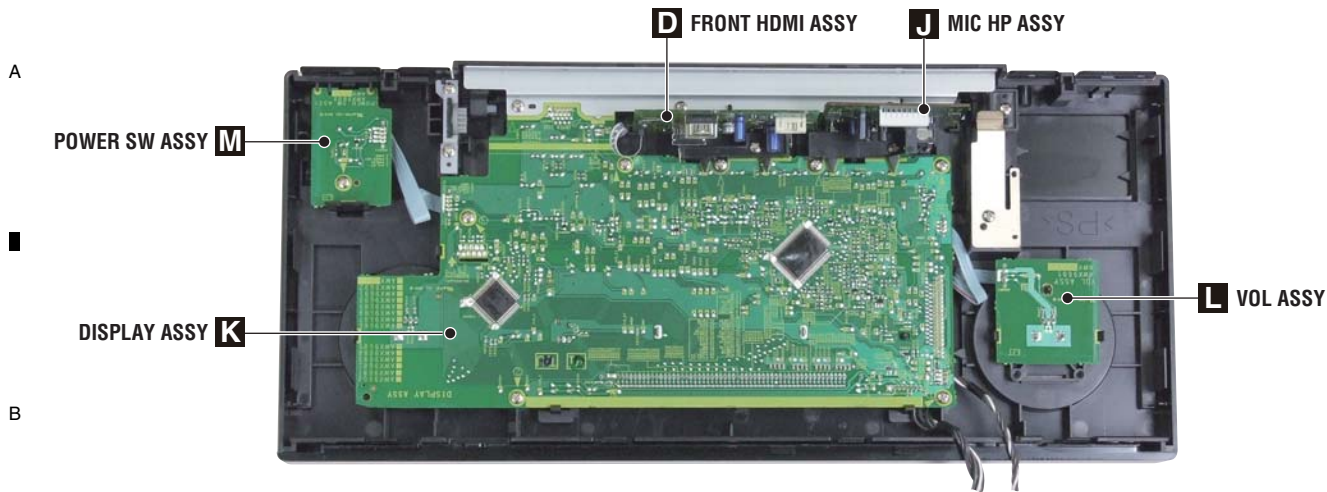
Before shipping out the product, be sure to clean the following positions by using the prescribed cleaning tools.

| Position to be cleaned | Name           | Part No. | Remarks                         |
|------------------------|----------------|----------|---------------------------------|
| Fans                   | Cleaning paper | GED-008  | Refer to "9.4 CHASSIS SECTION". |

## 3.2 PCB LOCATIONS



SC-37



**NOTES:**

- Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
- The  $\triangle$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

| Mark No.                  | Description                            | Part No.                         | Mark No. | Description                            | Part No. |
|---------------------------|--|----------------------------------|----------|--|----------|
| <b>LIST OF ASSEMBLIES</b> |  |                                  |          |  |          |
|                           |  |                                  | NSP      | 1..INTERFACE REG ASSY                  | AWR7085  |
|                           |  |                                  |          | 2..INTERFACE ASSY                      | AWX9605  |
|                           |  |                                  |          | 2..ICE REG ASSY                        | AWX9606  |
|                           |  |                                  |          | 2..B REG ASSY                          | AWX9607  |
|                           |  |                                  |          | 2..B DIODE ASSY                        | AWX9608  |
|                           |  |                                  |          | 2..PRE BRIDGE ASSY                     | AWX9611  |
|                           |  |                                  |          | 2..H GUARD ASSY                        | AWX9610  |
|                           |  |                                  | NSP      | 1..REG BRIDGE ASSY                     | AWR7086  |
|                           |  |                                  |          | 2..REG ASSY                            | AWX9612  |
|                           |  |                                  |          | 2..FRONT BRIDGE ASSY                   | AWX9613  |
|                           |  |                                  |          | 2..DISPLAY BRIDGE ASSY                 | AWX9614  |
|                           |  |                                  |          | 2..F-IN BRIDGE ASSY                    | AWX9615  |
|                           |  |                                  |          | 2..MULTI CH IN ASSY                    | AWX9616  |
|                           |  |                                  |          | 2..MCH BRIDGE ASSY                     | AWX9617  |
|                           |  |                                  |          | 2..FB-CONNECT ASSY                     | AWX9618  |
|                           |  |                                  |          | 2..CONNECT ASSY                        | AWX9619  |
|                           |  |                                  | NSP      | 1..AUDIO COMPOSITE ASSY                | AWR7090  |
|                           |  |                                  |          | 2..D-AUDIO BRIDGE ASSY                 | AWX9569  |
|                           |  |                                  |          | 2..D-DAC BRIDGE ASSY                   | AWX9570  |
|                           |  |                                  |          | 2..A-DAC BRIDGE ASSY                   | AWX9571  |
|                           |  |                                  |          | 2..AUDIO ASSY                          | AWX9647  |
|                           |  |                                  |          | 2..COMPOSITE ASSY                      | AWX9652  |
|                           |  |                                  |          | 1..DIGITAL MAIN ASSY (SC-37)           | AWX9620  |
|                           |  |                                  |          | 1..DIGITAL MAIN ASSY (SC-35,SC-1525-K) | AWX9621  |
|                           |  |                                  |          | 1..DAC HIGH ASSY (SC-37)               | AWX9622  |
|                           |  |                                  |          | 1..DAC LOW ASSY (SC-35,SC-1525-K)      | AWX9658  |
|                           |  |                                  |          | 1..COMPONENT ASSY                      | AWX9654  |
|                           |  |                                  |          | 1..FM/AM TUNER UNIT                    | AXX7267  |
| C                         | 1..ICEPOWER AMP ASSY (SC-37)           | AWH7024                          |          |  |          |
|                           | 1..ICEPOWER AMP ASSY (SC-35,SC-1525-K) | AWH7025                          |          |  |          |
| NSP                       | 1..ICE INT F-HDMI ASSY                 | AWM8189                          |          |  |          |
|                           | 2..ICE INTERFACE ASSY                  | AWX9596                          |          |  |          |
|                           | 2..FRONT HDMI ASSY                     | AWX9597                          |          |  |          |
| NSP                       | 1..MIC HP ICE ASSY                     | AWM8190                          |          |  |          |
|                           | 2..ICE BUFFER ASSY                     | AWX9598                          |          |  |          |
|                           | 2..MIC HP ASSY                         | AWX9599                          |          |  |          |
|                           | 2..FFC CUARD ASSY                      | AWX9641                          |          |  |          |
| D                         | NSP                                    | 1..PRIM DISPLAY ASSY (SC-37)     | AWM8191  |  |          |
|                           |  | 2..DISPLAY ASSY                  | AWX9600  |  |          |
|                           |  | 2..VOL ASSY                      | AWX9601  |  |          |
|                           |  | 2..POWER SW ASSY                 | AWX9602  |  |          |
|                           |  | 2..PRIMARY SHIELD ASSY           | AWX9603  |  |          |
|                           |  | 2..PRIMARY ASSY                  | AWX9604  |  |          |
|                           | NSP                                    | 1..PRIM DISPLAY ASSY (SC-35)     | AWM8209  |  |          |
|                           |  | 2..DISPLAY ASSY                  | AWX9686  |  |          |
|                           |  | 2..VOL ASSY                      | AWX9601  |  |          |
|                           |  | 2..POWER SW ASSY                 | AWX9602  |  |          |
|                           |  | 2..PRIMARY SHIELD ASSY           | AWX9603  |  |          |
|                           |  | 2..PRIMARY ASSY                  | AWX9604  |  |          |
| E                         | NSP                                    | 1..PRIM DISPLAY ASSY (SC-1525-K) | AWM8210  |  |          |
|                           |  | 2..DISPLAY ASSY                  | AWX9687  |  |          |
|                           |  | 2..VOL ASSY                      | AWX9601  |  |          |
|                           |  | 2..POWER SW ASSY                 | AWX9602  |  |          |
|                           |  | 2..PRIMARY SHIELD ASSY           | AWX9603  |  |          |
|                           |  | 2..PRIMARY ASSY                  | AWX9604  |  |          |

### 3.3 JIGS LIST

#### [1] Jigs List

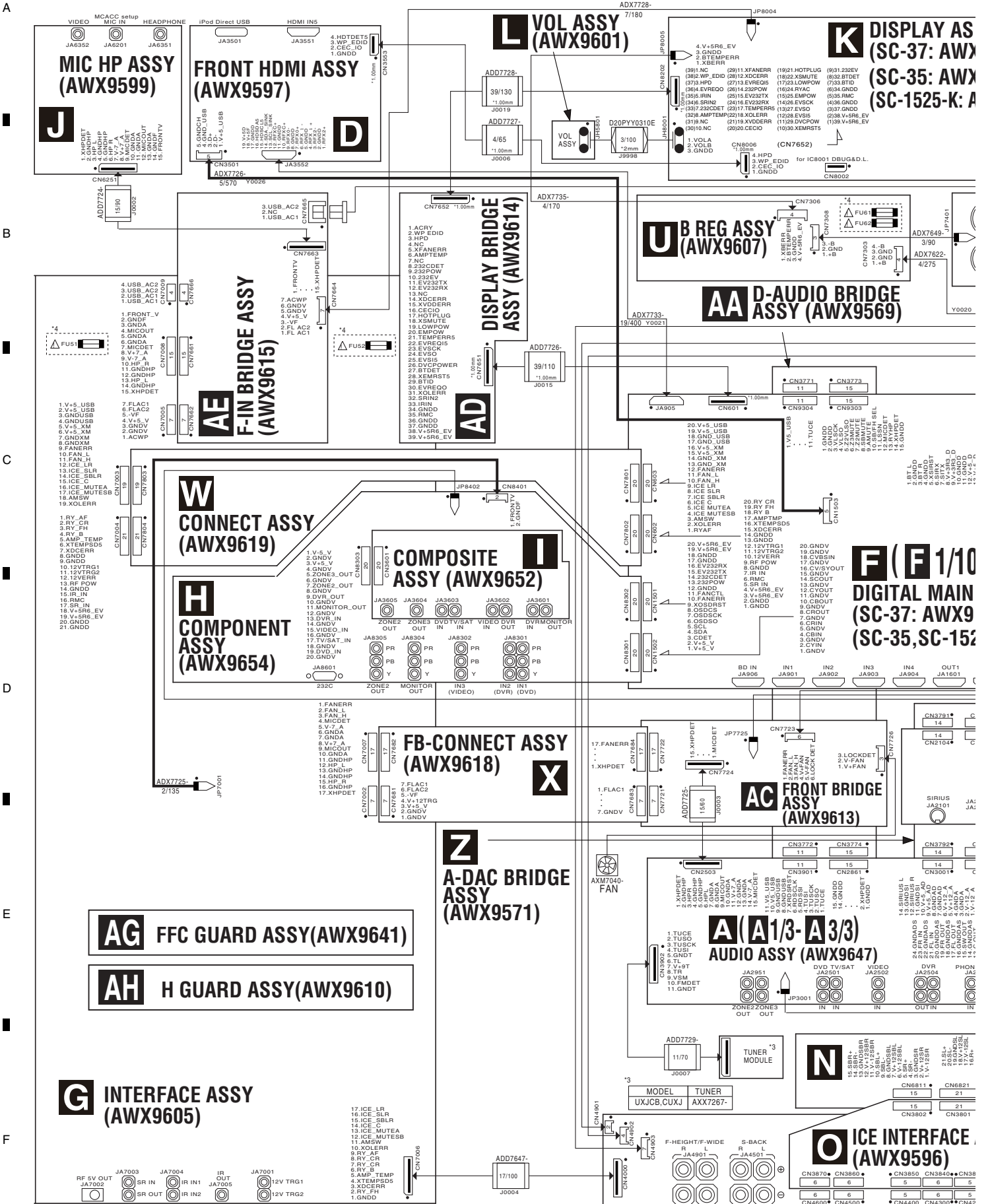
| Name   | Jig No. | Remarks   |
|--|---------|-----------|
| 30P board to board extension jig cable x 2   | GGD1682 | Diagnosis |
| 24P + 14P board to board extension jig cable | GGD1683 | Diagnosis |
| 21P + 15P board to board extension jig cable | GGD1679 | Diagnosis |
| 20P + 20P board to board extension jig cable | GGD1677 | Diagnosis |
| 19P board to board extension jig cable       | GGD1577 | Diagnosis |
| 39P FFC                                      | GGD1679 | Diagnosis |
| 15P FFC                                      | GGD1680 | Diagnosis |
| 5P PH Housing Assy                           | GGD1594 | Diagnosis |

#### [2] Lubricants and Glues List

| Name            | Lubricants and Glues No. | Remarks                         |
|-----------------|--------------------------|---------------------------------|
| Lubricating Oil | GYA1001                  | Refer to "9.5 FRONT SECTION"    |
| Silicone Grease | GEM1057                  | Refer to "9.2 EXTERIOR SECTION" |



# 4. BLOCK DIAGRAM

## 4.1 OVERALL WIRING DIAGRAM



**DISPLAY ASSY**  
 (SC-37: AWX9600)  
 (SC-35: AWX9686)  
 (SC-1525-K: AWX9687)

**M POWER SW ASSY**  
 (AWX9602)

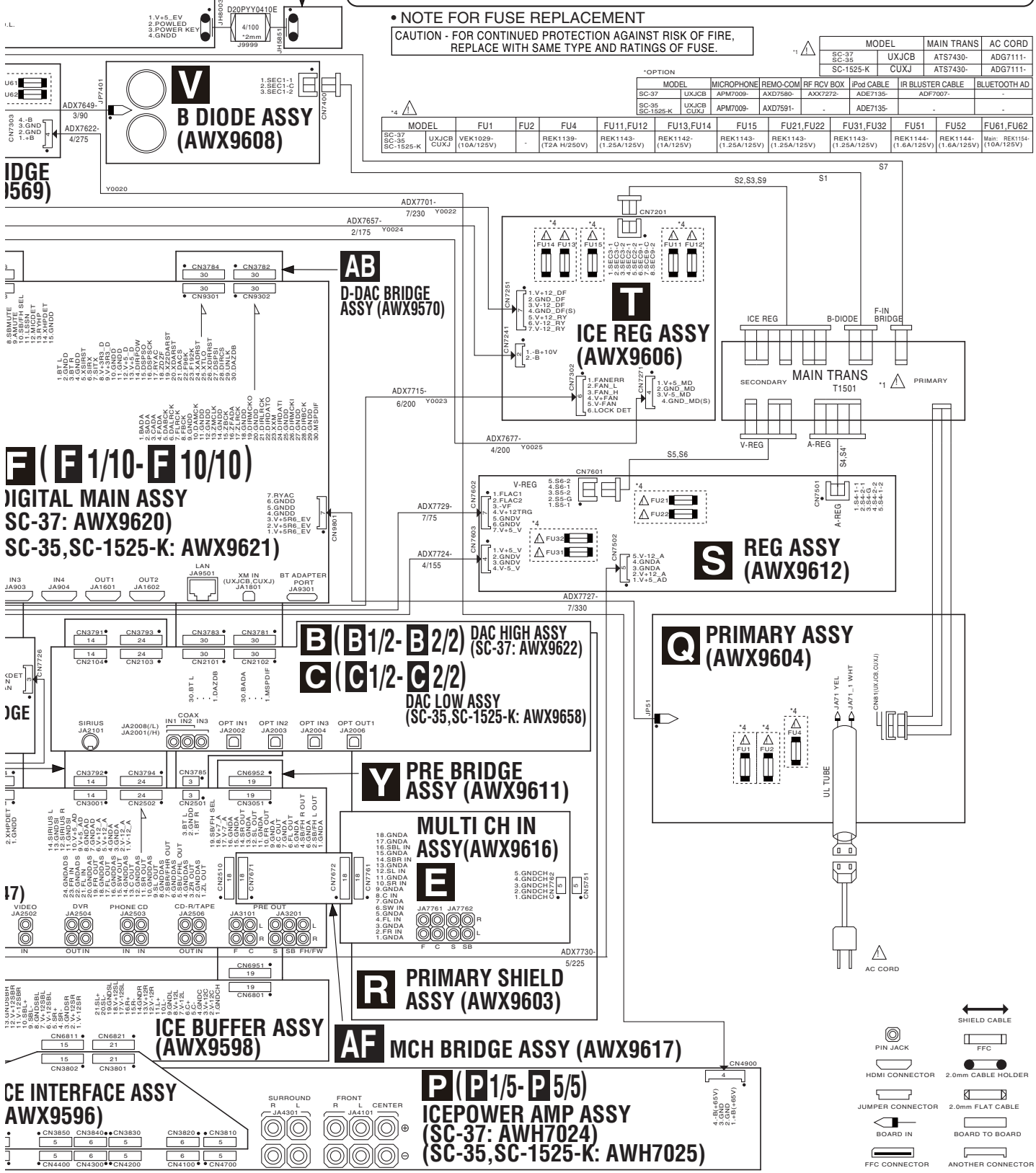
- When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "PCB PARTS LIST".
- The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
-  : The power supply is shown with the marked box.

**NOTE FOR FUSE REPLACEMENT**  
 CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

| MODEL     | MAIN TRANS | AC CORD  |
|-----------|------------|----------|
| SC-37     | UXJCB      | ATS7430- |
| SC-35     | UXJCB      | ATS7430- |
| SC-1525-K | CUXJ       | ATS7430- |

| MODEL     | MICROPHONE | REMO.COM | RF RCV BOX | iPod CABLE | IR BLUSTER CABLE | BLUETOOTH AD |
|-----------|------------|----------|------------|------------|------------------|--------------|
| SC-37     | UXJCB      | APM7009- | AXD7580-   | AXX7272-   | ADE7135-         | ADF7007-     |
| SC-35     | UXJCB      | APM7009- | AXD7580-   | AXX7272-   | ADE7135-         | ADF7007-     |
| SC-1525-K | CUXJ       | APM7009- | AXD7580-   | AXX7272-   | ADE7135-         | ADF7007-     |

| MODEL     | FU1   | FU2      | FU4      | FU11,FU12 | FU13,FU14 | FU15     | FU21,FU22 | FU31,FU32 | FU51     | FU52     | FU61,FU62 |
|-----------|-------|----------|----------|-----------|-----------|----------|-----------|-----------|----------|----------|-----------|
| SC-37     | UXJCB | VEK1029- | REK1139- | REK1143-  | REK1142-  | REK1143- | REK1143-  | REK1143-  | REK1144- | REK1144- | REK1154-  |
| SC-35     | UXJCB | VEK1029- | REK1139- | REK1143-  | REK1142-  | REK1143- | REK1143-  | REK1143-  | REK1144- | REK1144- | REK1154-  |
| SC-1525-K | CUXJ  | VEK1029- | REK1139- | REK1143-  | REK1142-  | REK1143- | REK1143-  | REK1143-  | REK1144- | REK1144- | REK1154-  |



**F (F 1/10 - F 10/10)**  
**DIGITAL MAIN ASSY**  
 SC-37: AWX9620)  
 SC-35, SC-1525-K: AWX9621)

**B (B 1/2 - B 2/2) DAC HIGH ASSY**  
 (SC-37: AWX9622)  
**C (C 1/2 - C 2/2) DAC LOW ASSY**  
 (SC-35, SC-1525-K: AWX9658)

**Y PRE BRIDGE ASSY**  
 (AWX9611)

**E MULTI CH IN ASSY**  
 (AWX9616)

**R PRIMARY SHIELD ASSY**  
 (AWX9603)

**AF MCH BRIDGE ASSY**  
 (AWX9617)

**Q PRIMARY ASSY**  
 (AWX9604)

**S REG ASSY**  
 (AWX9612)

**T ICE REG ASSY**  
 (AWX9606)

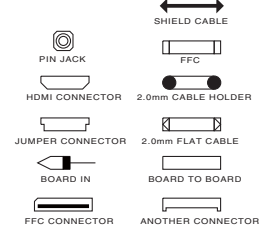
**V B DIODE ASSY**  
 (AWX9608)

**AB D-DAC BRIDGE ASSY**  
 (AWX9570)

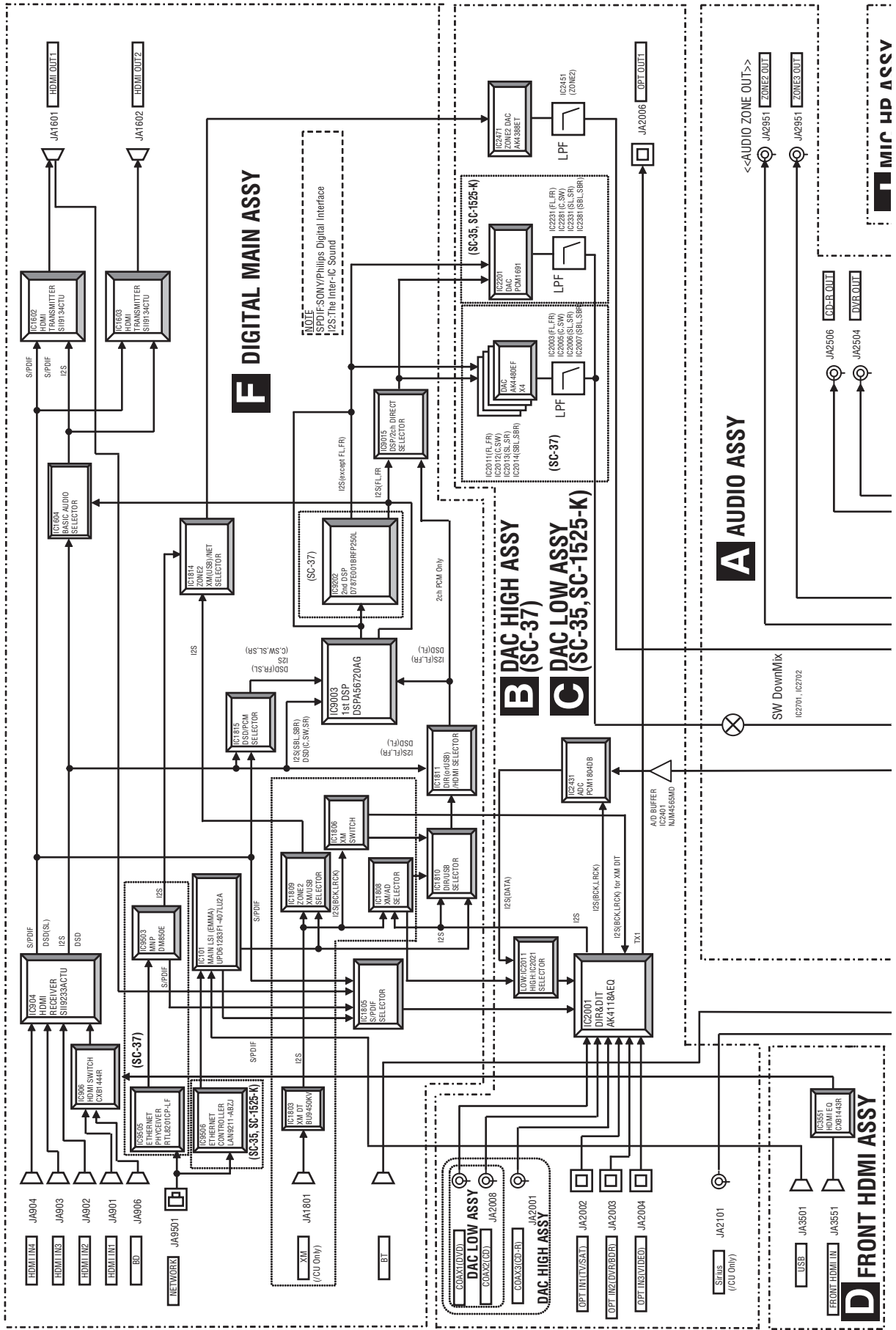
**EDGE (569)**

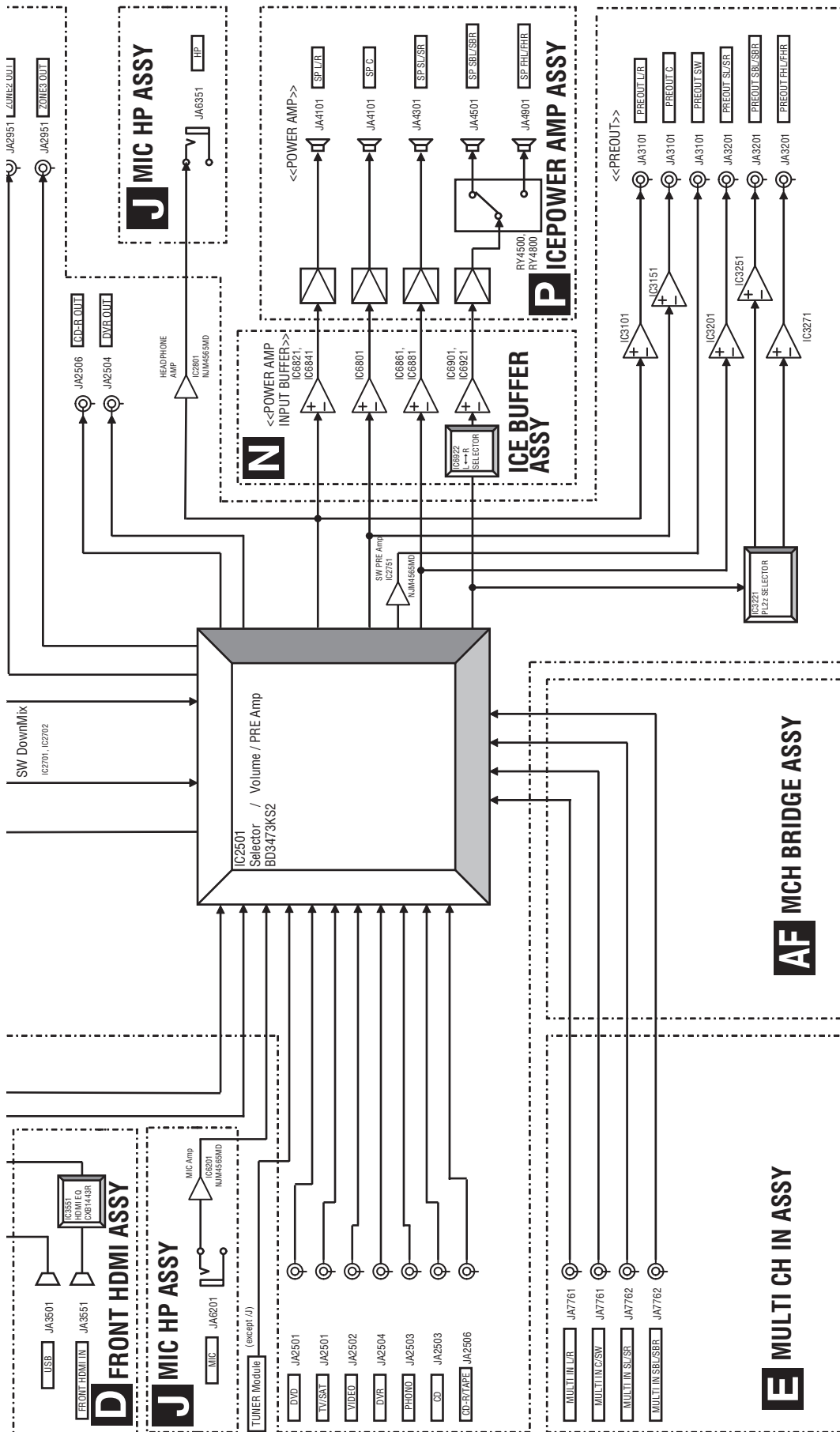
**CE INTERFACE ASSY**  
 (AWX9596)

**P (P 1/5 - P 5/5) ICEPOWER AMP ASSY**  
 (SC-37: AWH7024)  
 (SC-35, SC-1525-K: AWH7025)



# 4.2 BLOCK DIAGRAM FOR AUDIO BLOCK

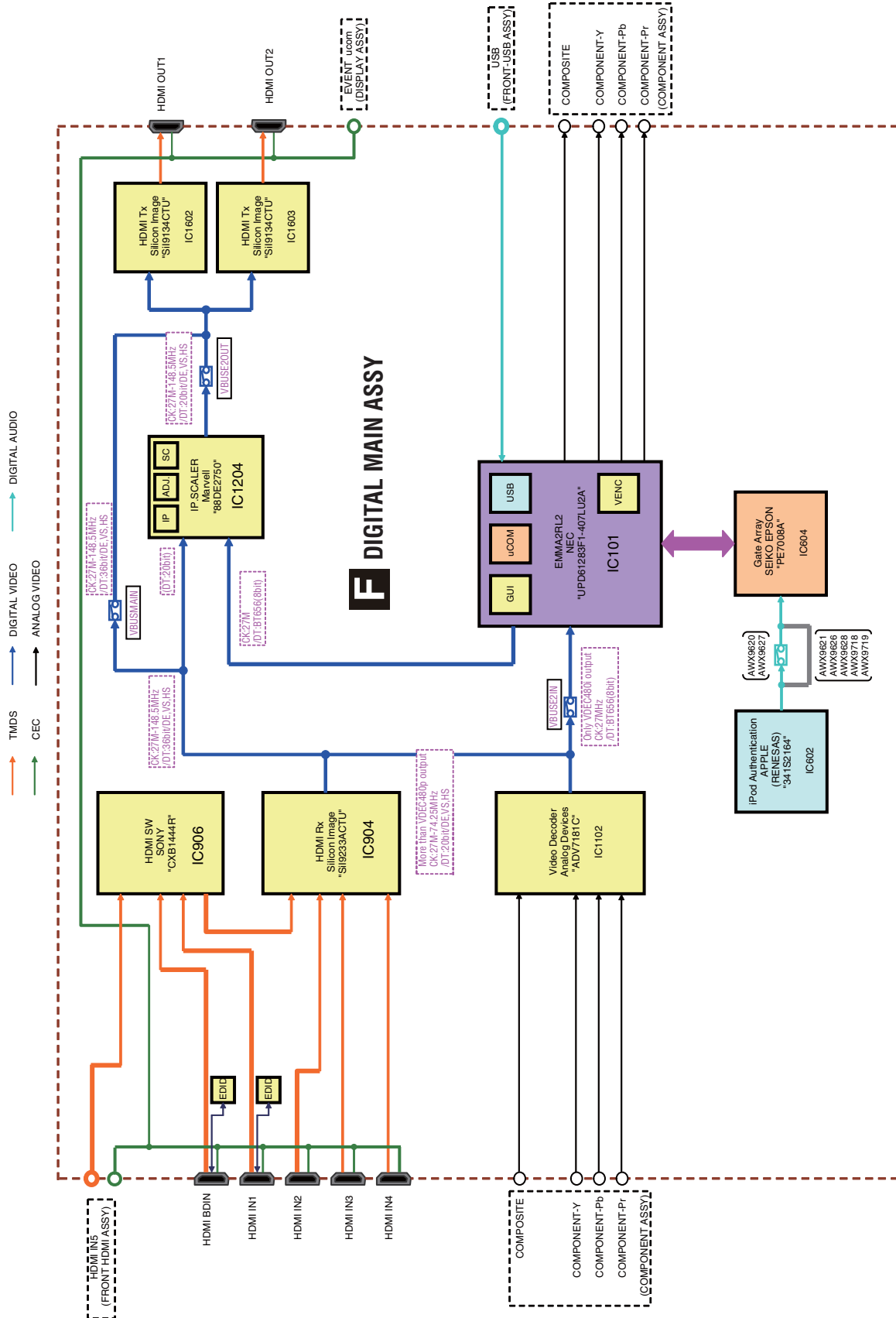




A  
B  
C  
D  
E  
F

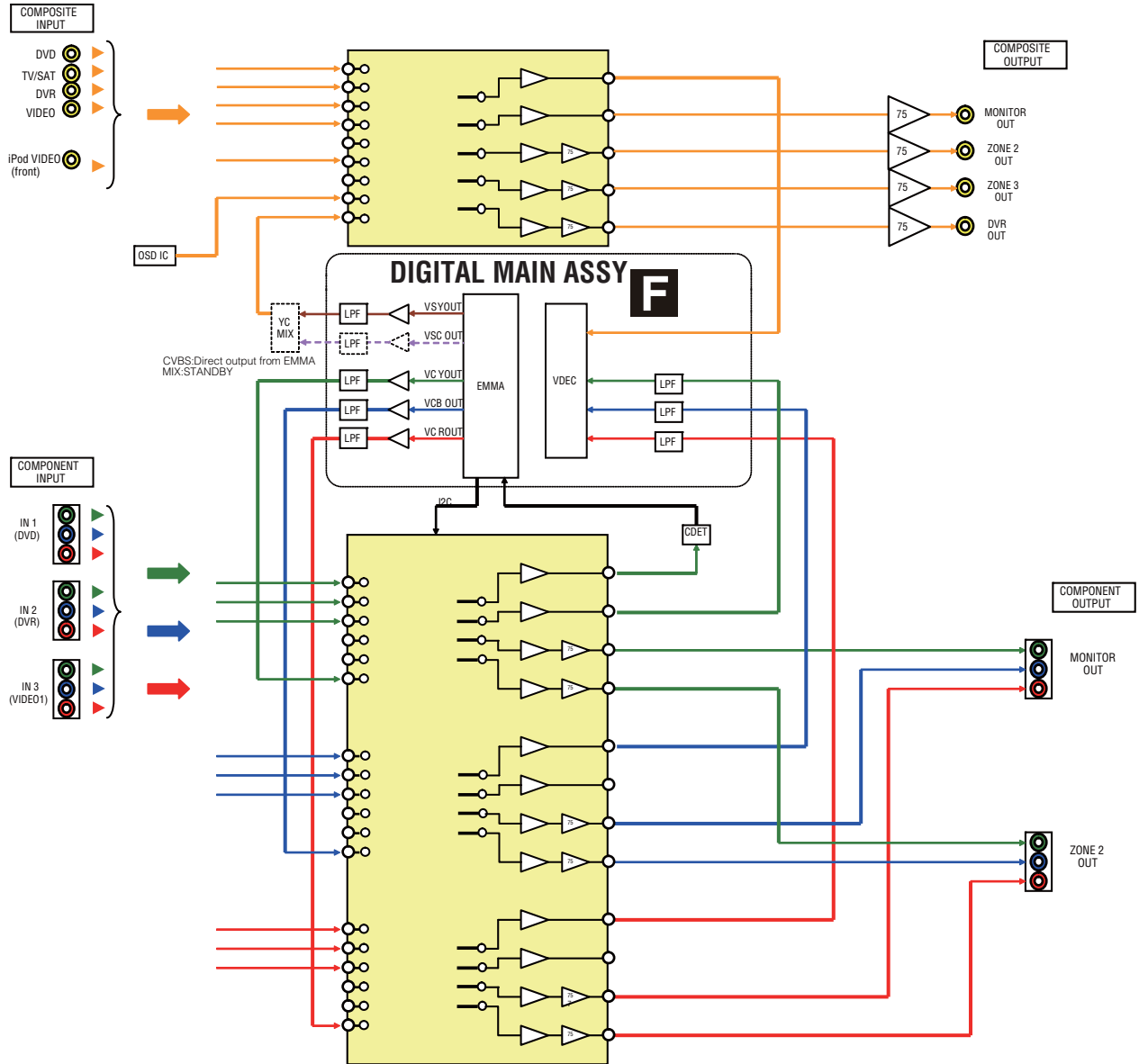
# 4.3 BLOCK DIAGRAM FOR DIGITAL MAIN VIDEO BLOCK

## DIGITAL MAIN VIDEO BLOCK DIAGRAM



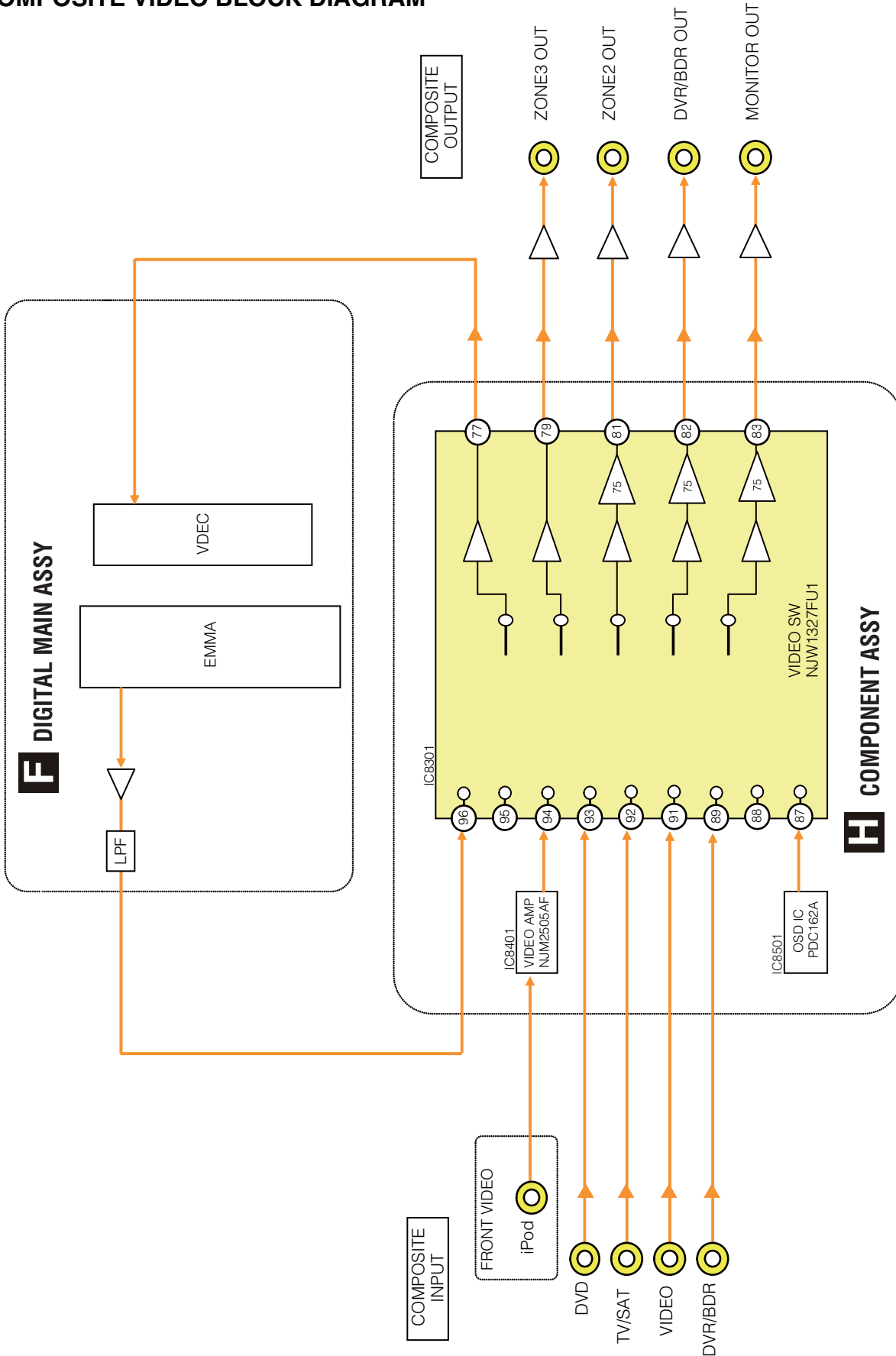
# 4.4 BLOCK DIAGRAM FOR VIDEO BLOCK

## VIDEO BLOCK DIAGRAM



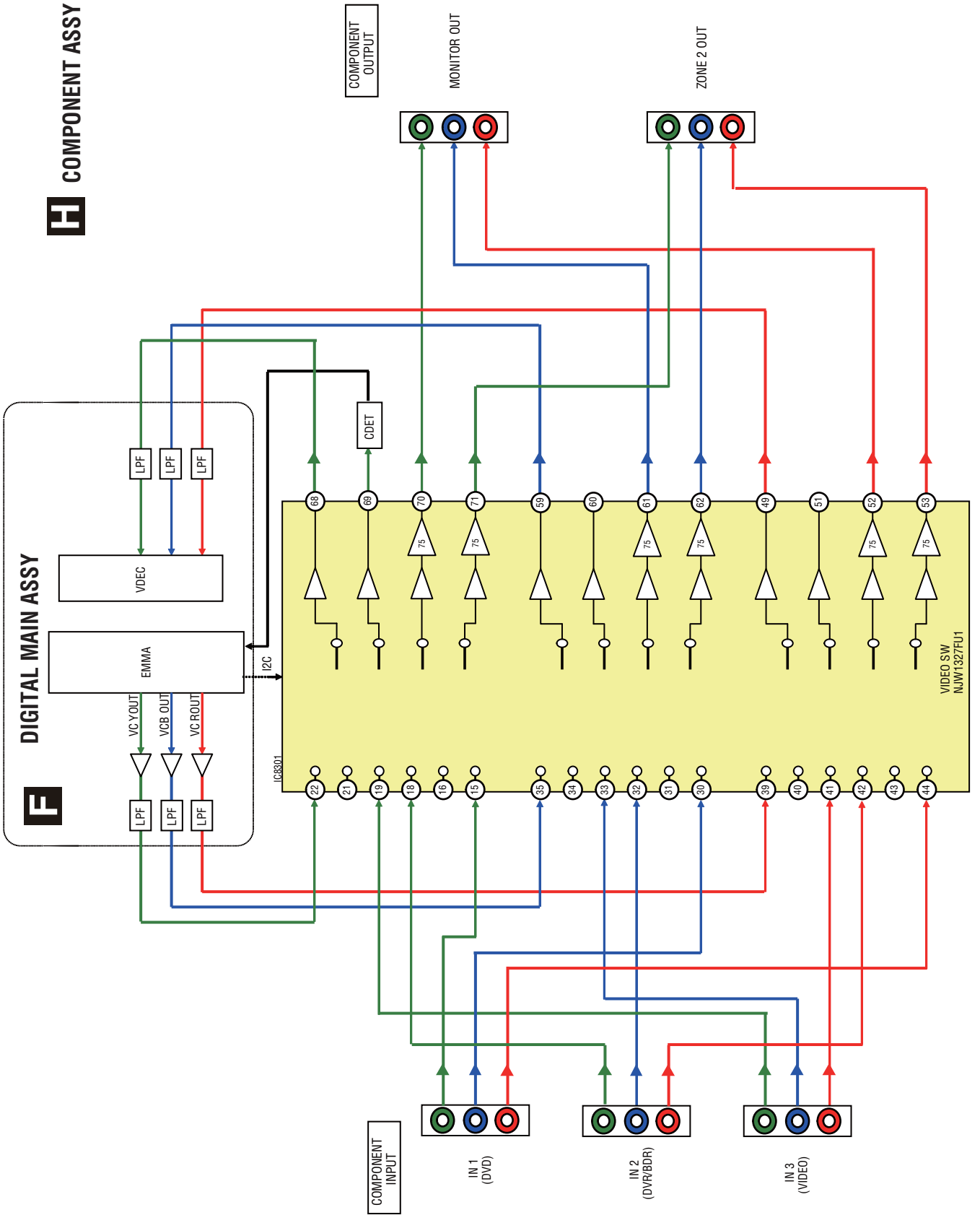
# 4.5 BLOCK DIAGRAM FOR COMPOSITE VIDEO BLOCK

## COMPOSITE VIDEO BLOCK DIAGRAM



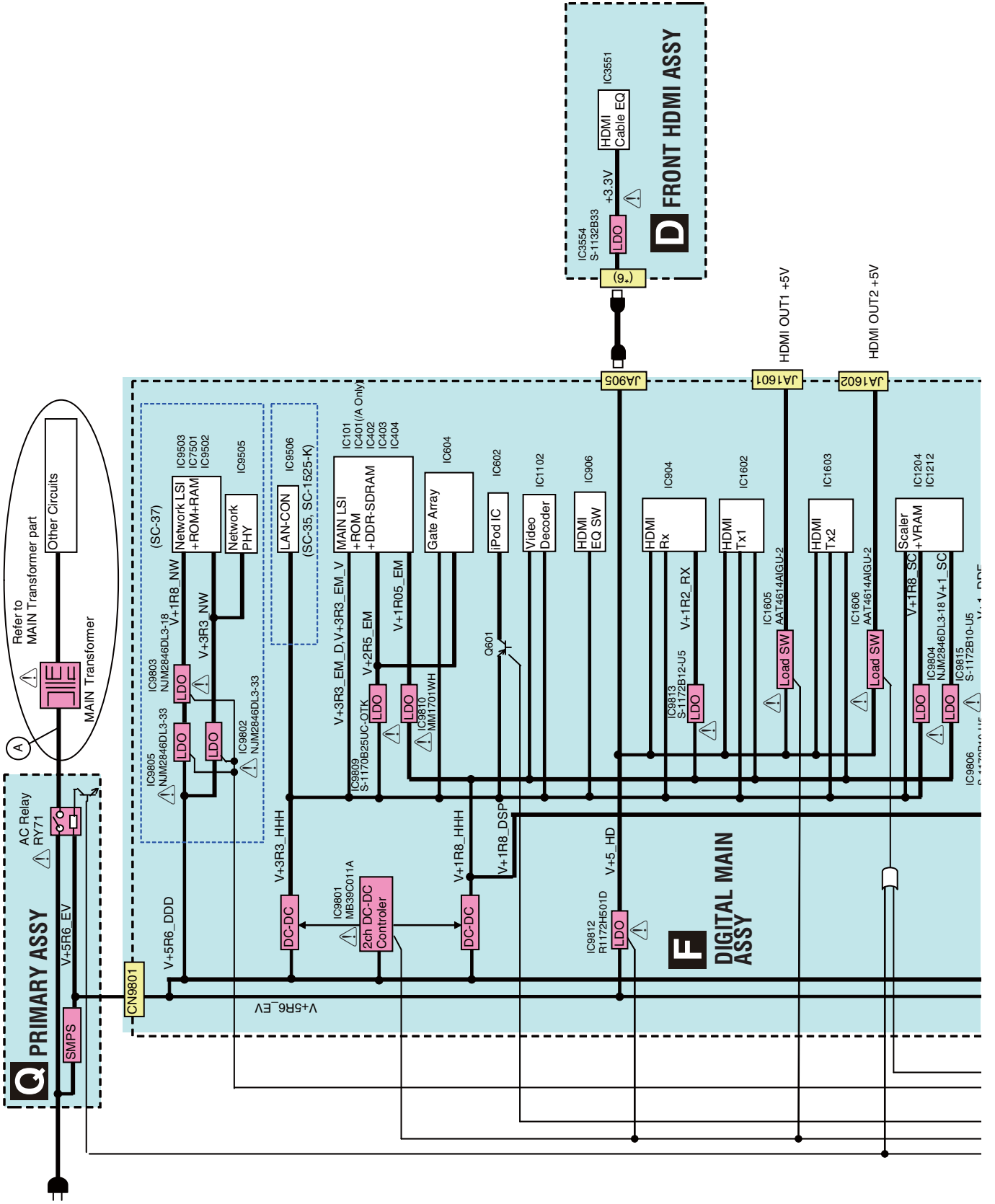
# 4.6 BLOCK DIAGRAM FOR COMPONENT VIDEO BLOCK

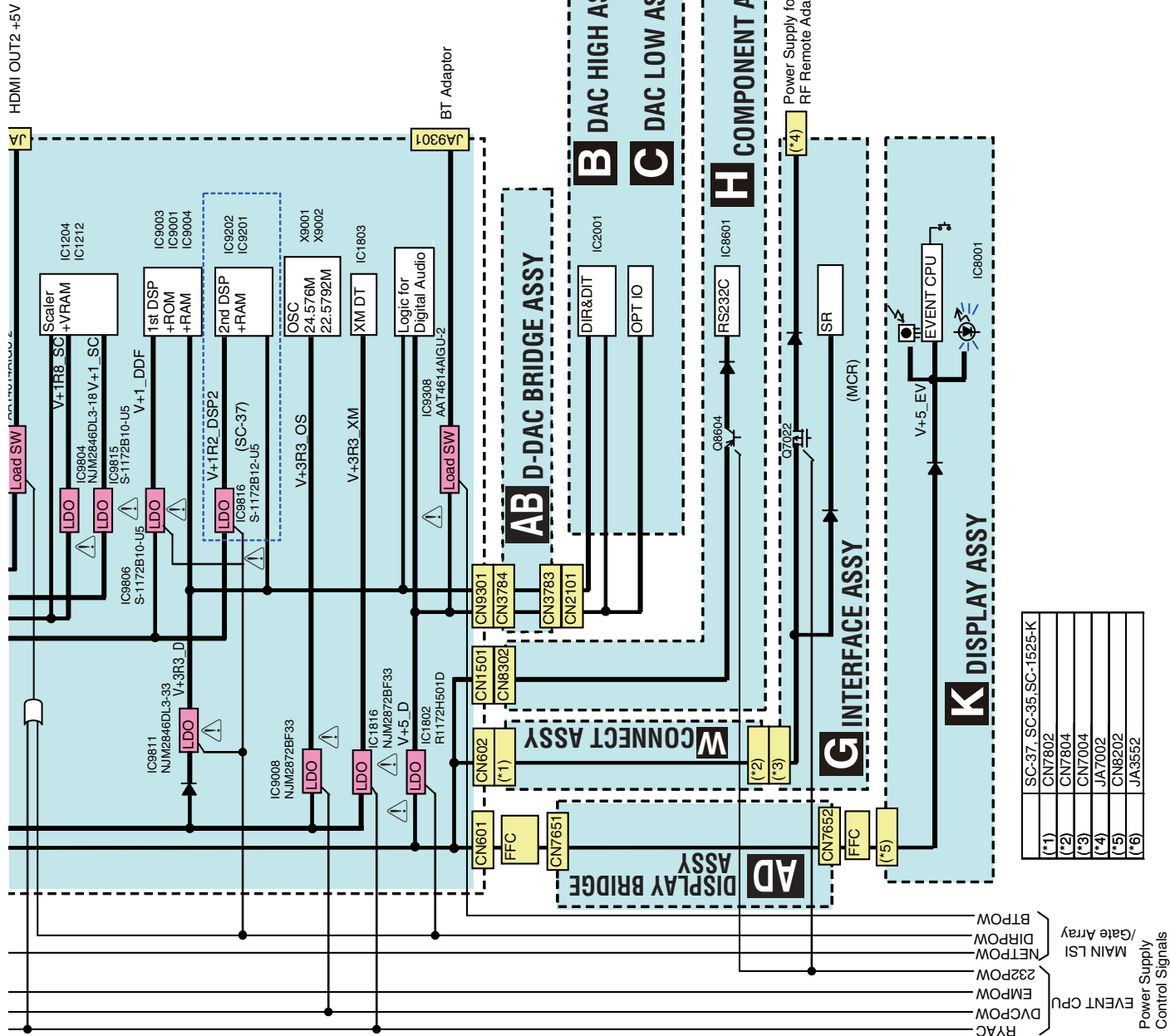
## COMPONENT VIDEO BLOCK DIAGRAM



# 4.7 BLOCK DIAGRAM FOR POWER BLOCK(1)

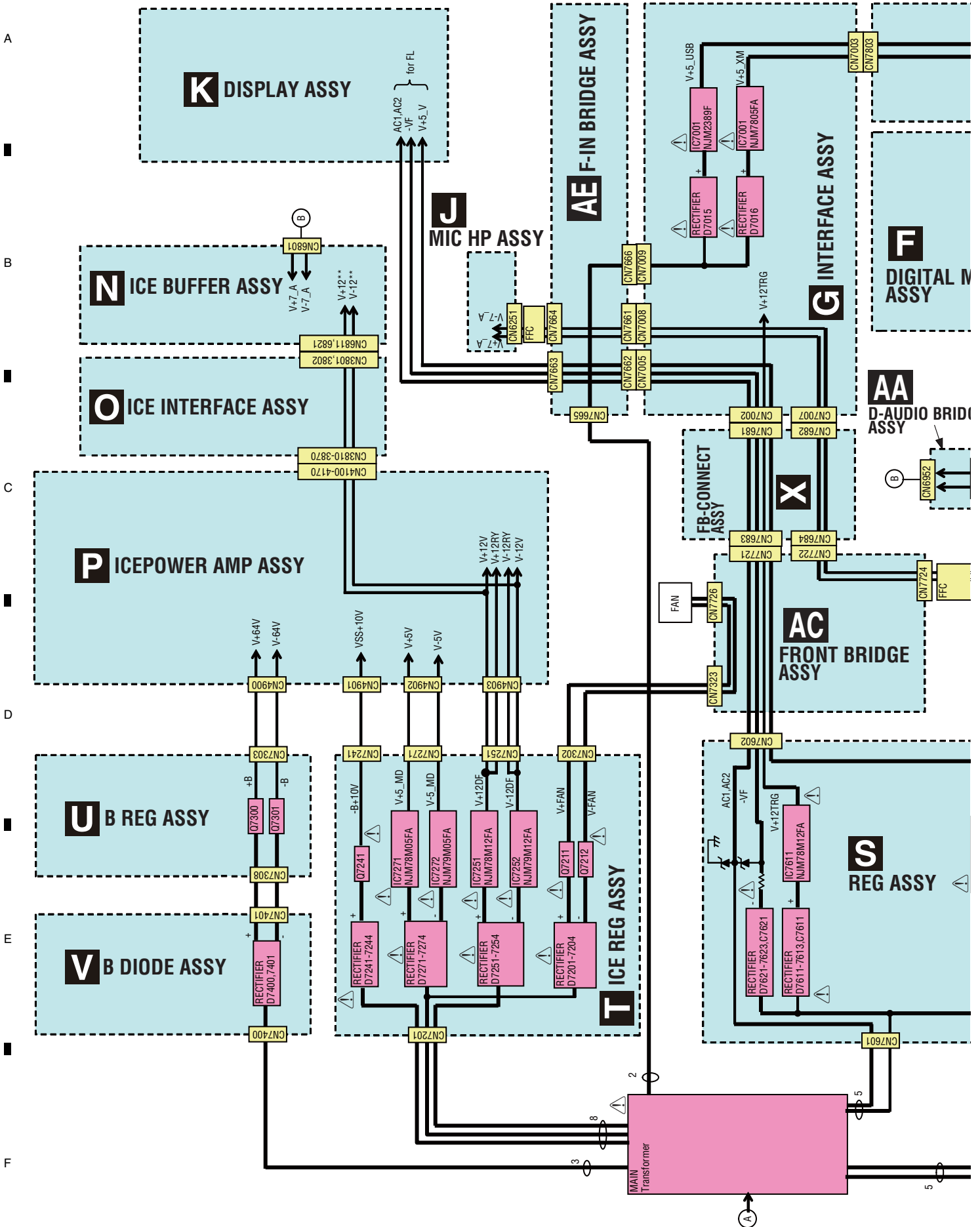
Power Supply Block Diagram (SMPS Part)

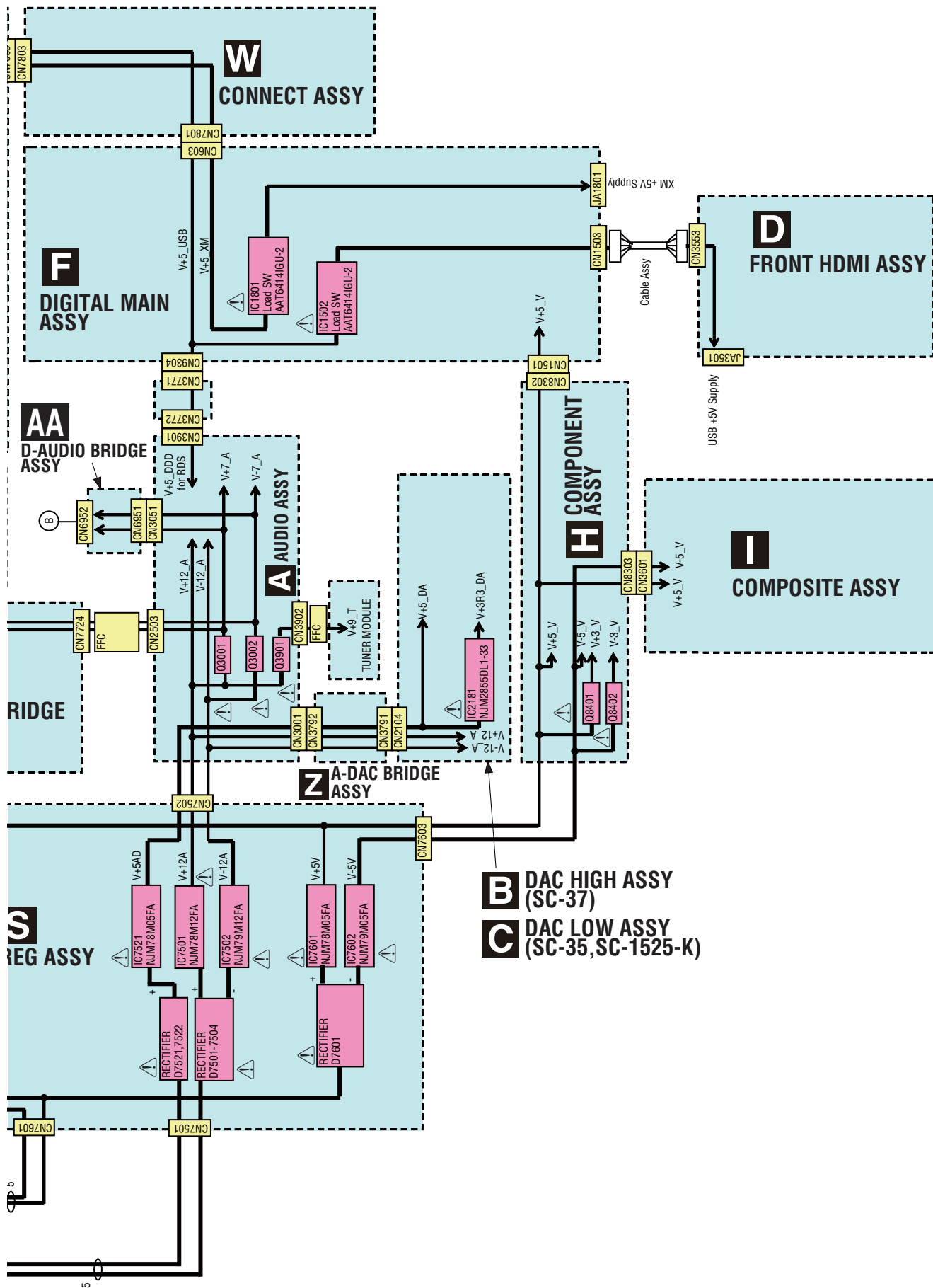




|                         |
|-------------------------|
| SC-37, SC-35, SC-1525-K |
| (*1) CN7802             |
| (*2) CN7804             |
| (*3) CN7004             |
| (*4) JA7002             |
| (*5) CN8202             |
| (*6) JA3552             |

# 4.8 BLOCK DIAGRAM FOR POWER BLOCK(2)





**B** DAC HIGH ASSY (SC-37)  
**C** DAC LOW ASSY (SC-35, SC-1525-K)

# 5. DIAGNOSIS

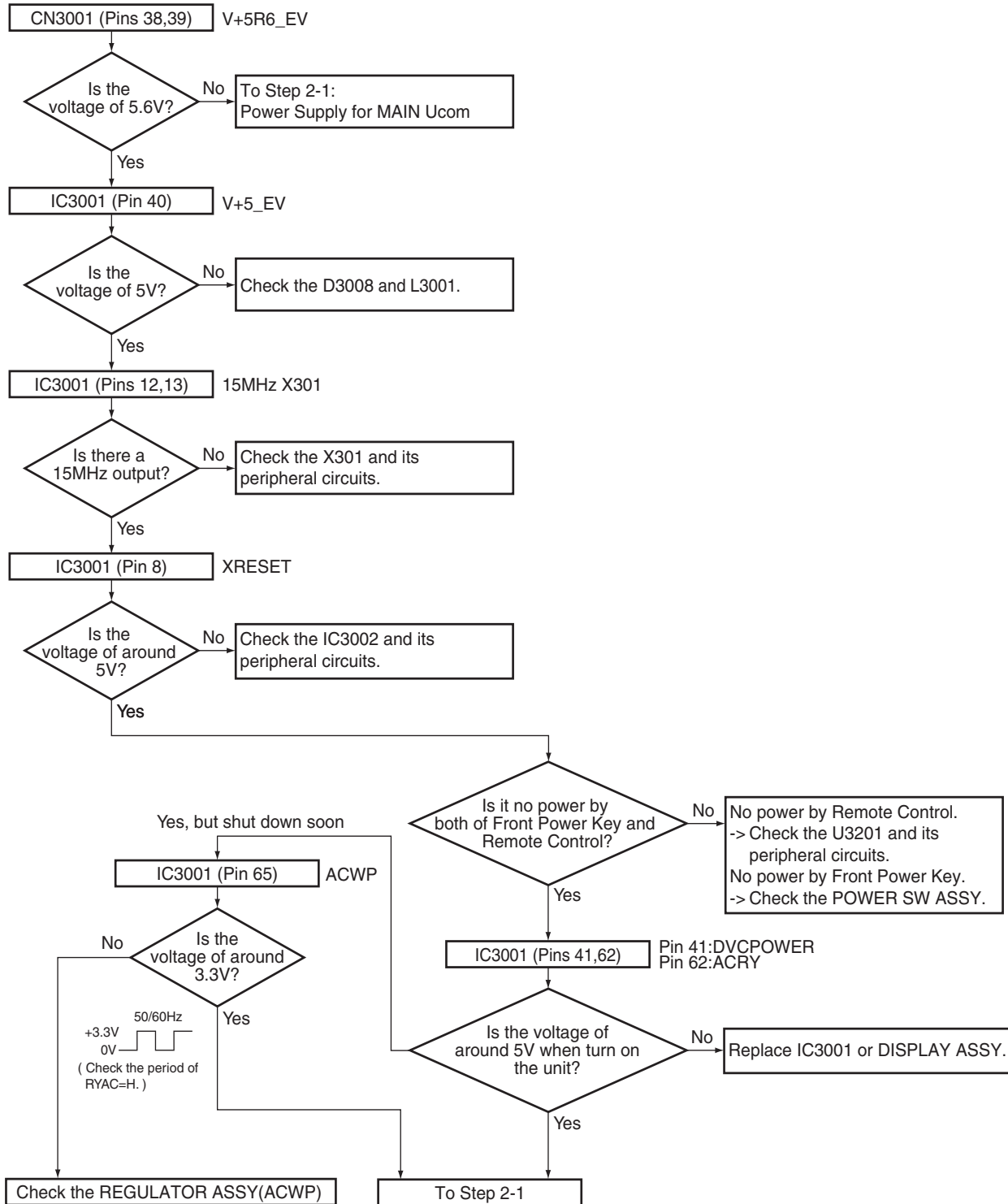
## 5.1 DIAGNOSIS FLOWCHART

- Please use additional Service Manual ( RRV4138) to find out location of component part on any assemblies. The SM is easy to find location of component part to use [Search] function of Acrobat software.

### COMMON Troubleshooting with “No power problem”

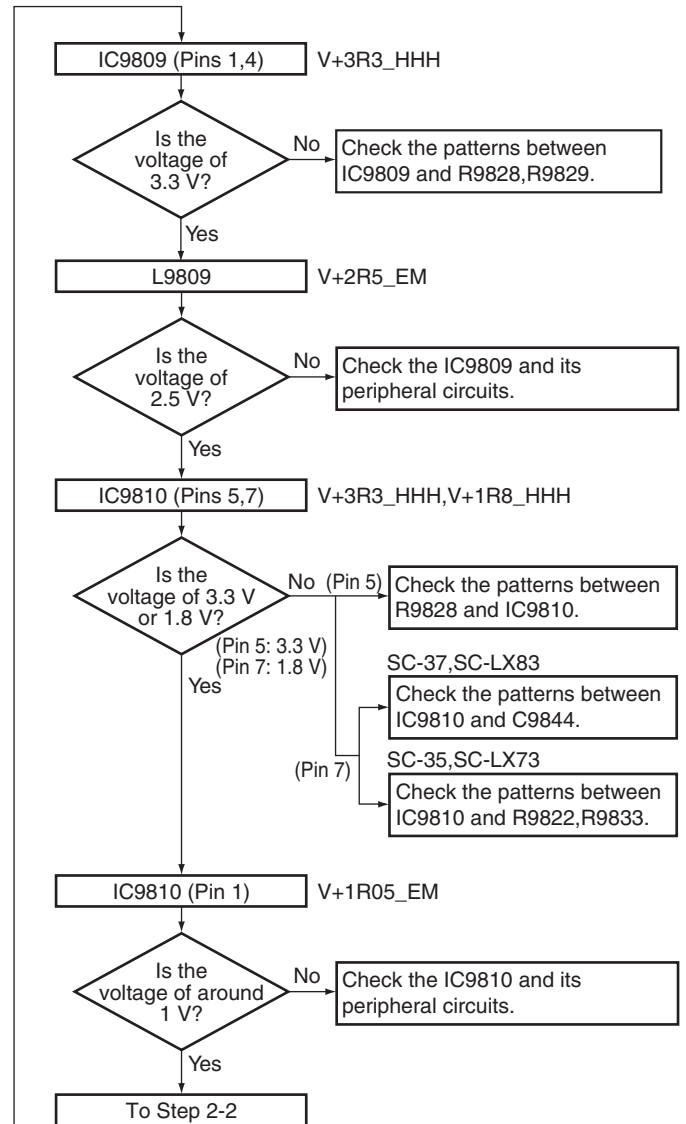
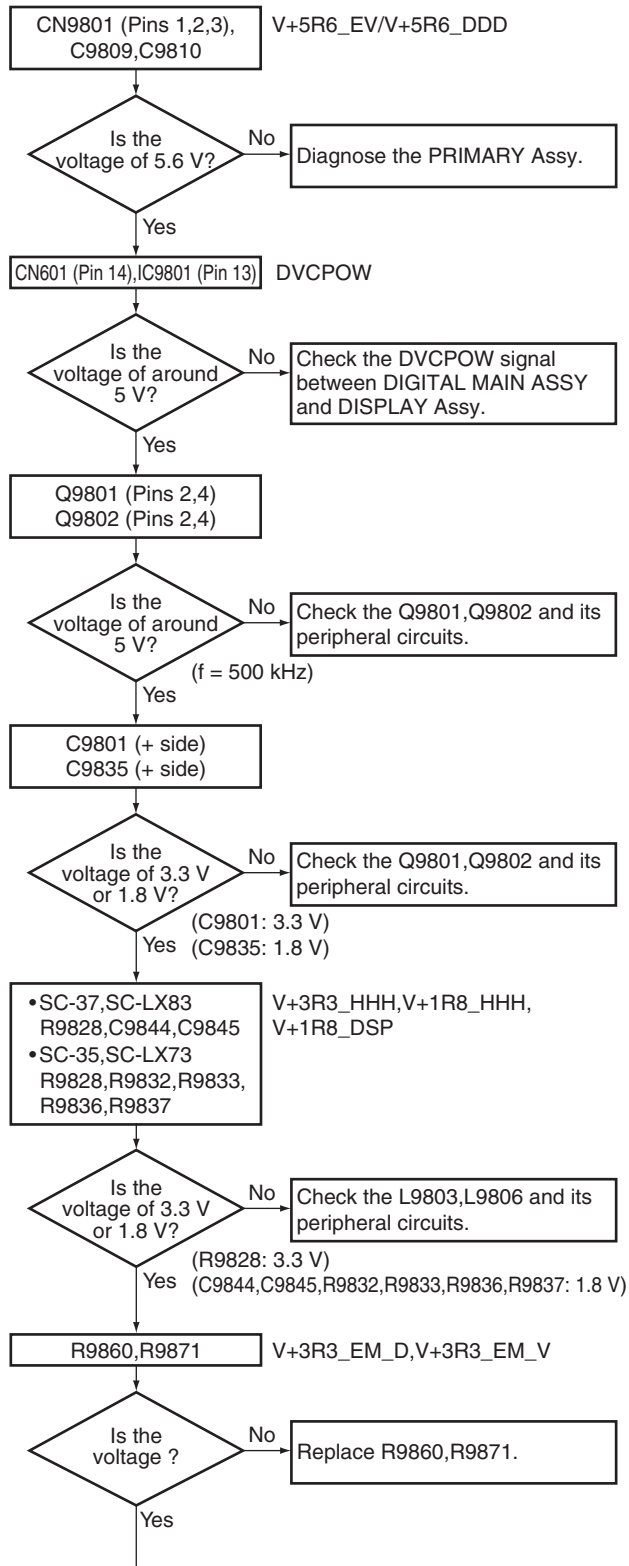
#### Step 1: EVENT Ucom

##### Step 1-1: EVENT Ucom (Display Assy)

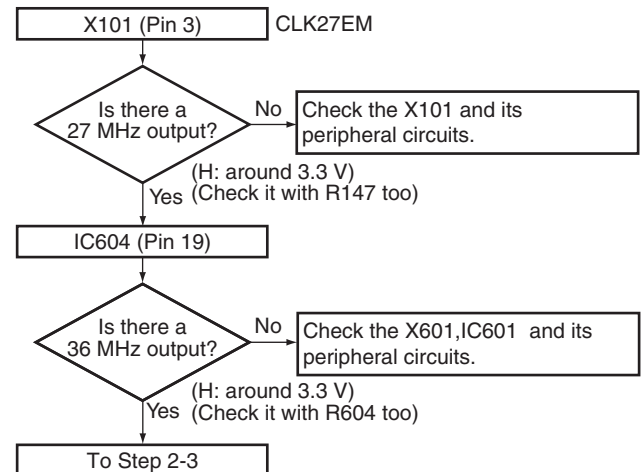


## Step 2: MAIN Ucom (EMMA IC)

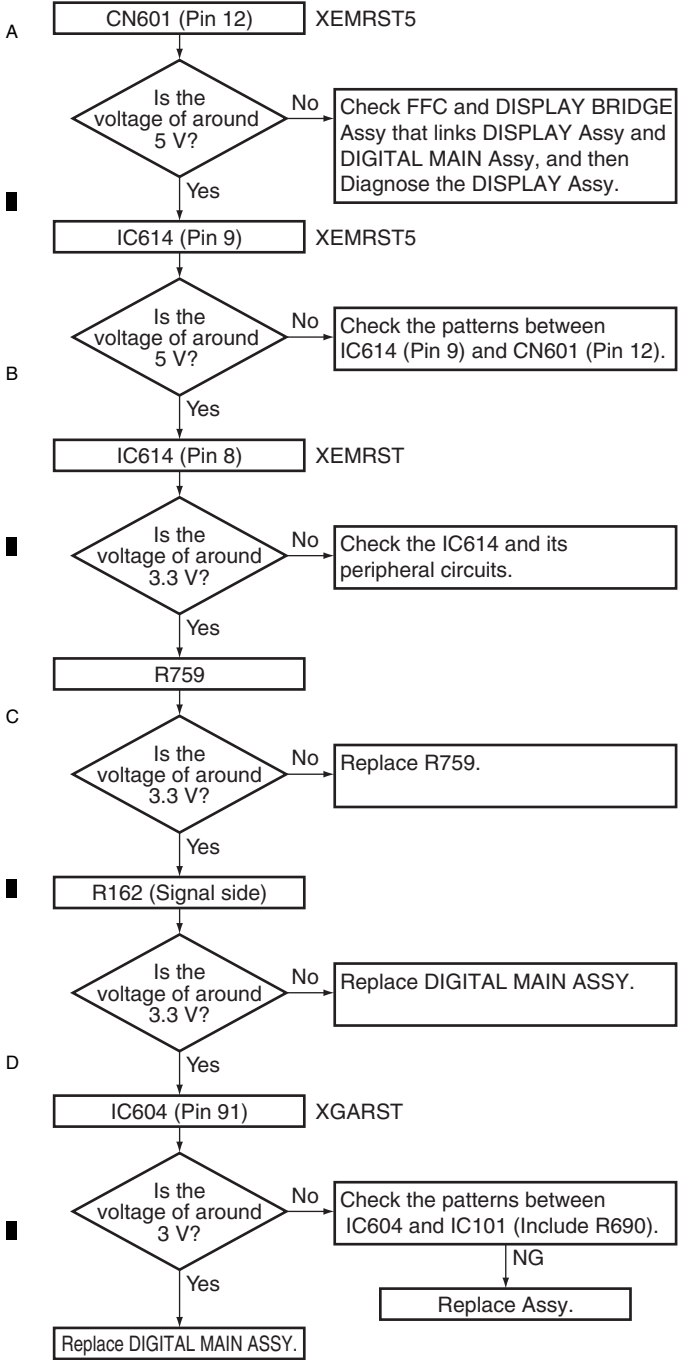
### Step 2-1: POWER SUPPLY for MAIN Ucom



### Step 2-2: Xtal for MAIN Ucom



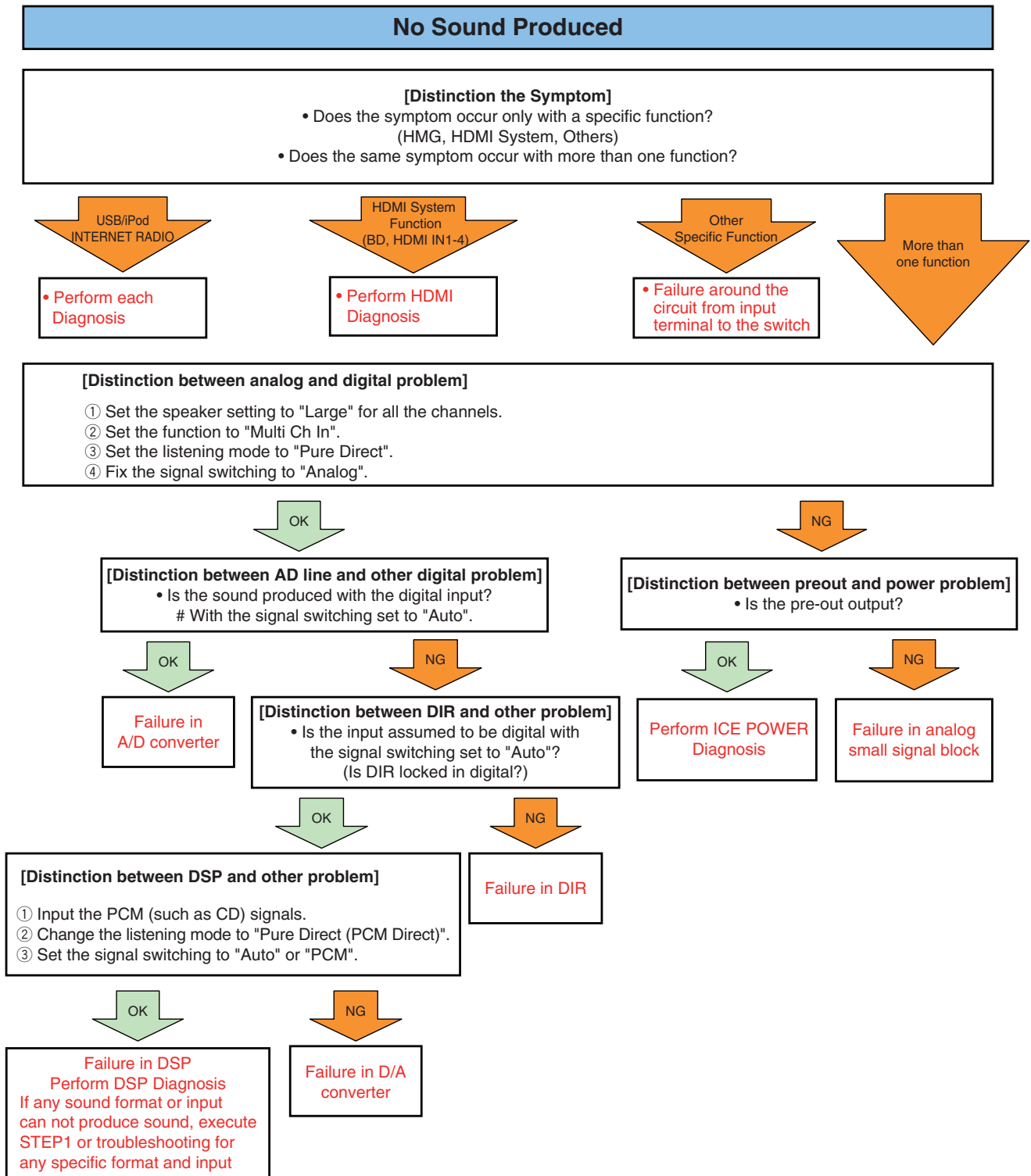
**Step 2-3: Reset for MAIN Ucom**



E

F

## Audio Section Troubleshooting

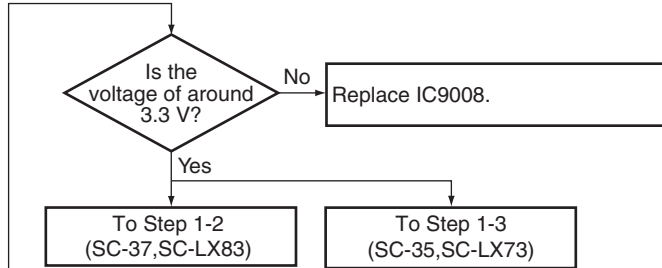
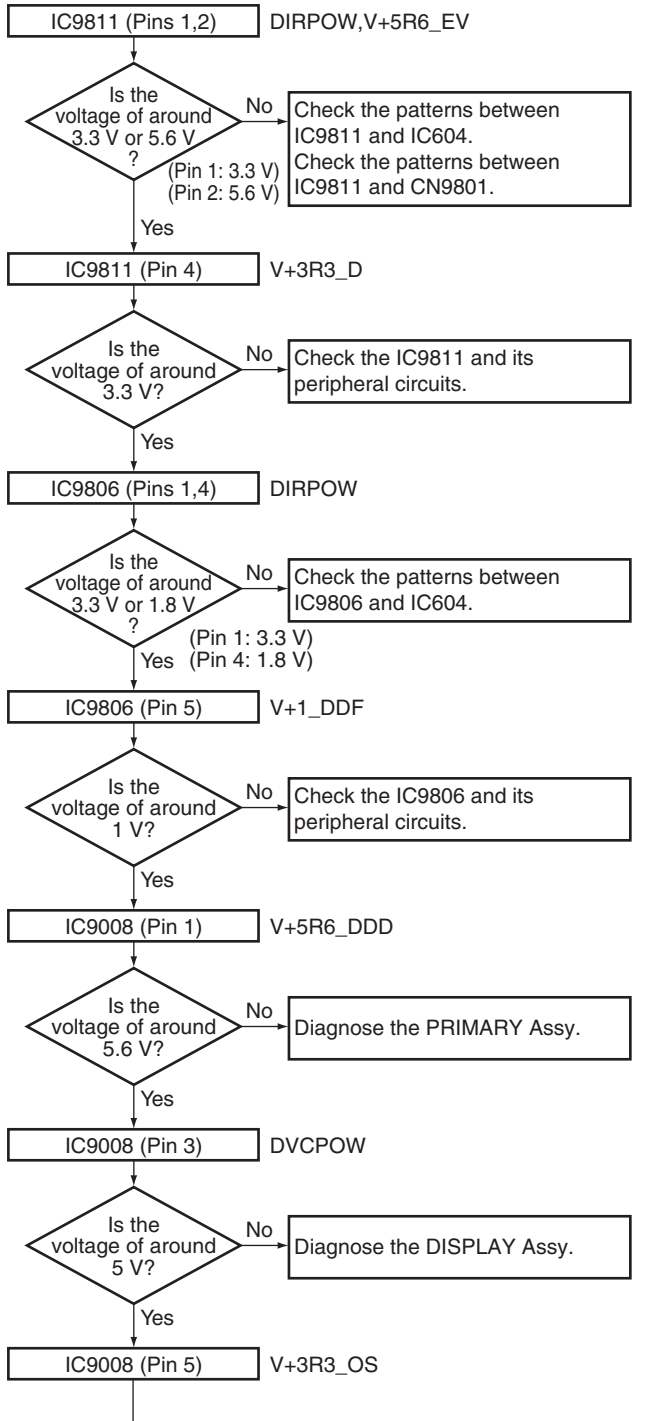


# DSP&AUDIO Troubleshooting

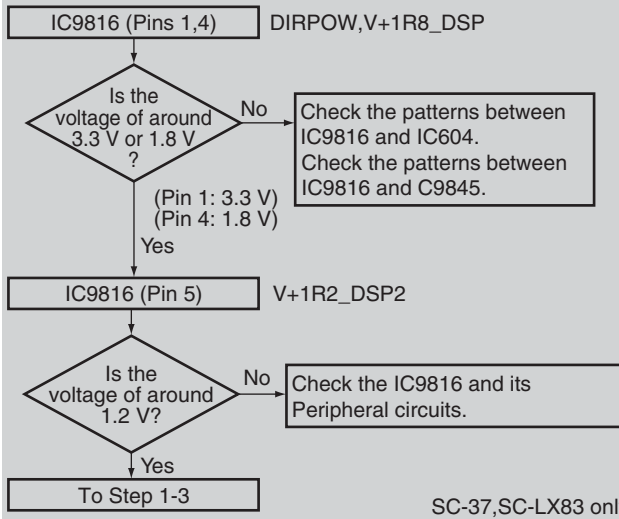
- Any type of signals have no sound, follow Step 1 to Step 3
- Only specific type of signal has no sound, follow an appropriate troubleshooting to the symptom.
- The confirmation of peripheral circuits in the flowchart means the checking of the power supply directly at the pin of the IC, the conduction and resistance value check, and the checking of the solder.
- The confirmation of the pattern in the flowchart means the diagnosis including the one for the resistors on the pattern.
- During the diagnosis, pay attention to the switching of output from 2ch to Multi ch by the listening mode of IC9003.

## Step 1: DSP/AUDIO

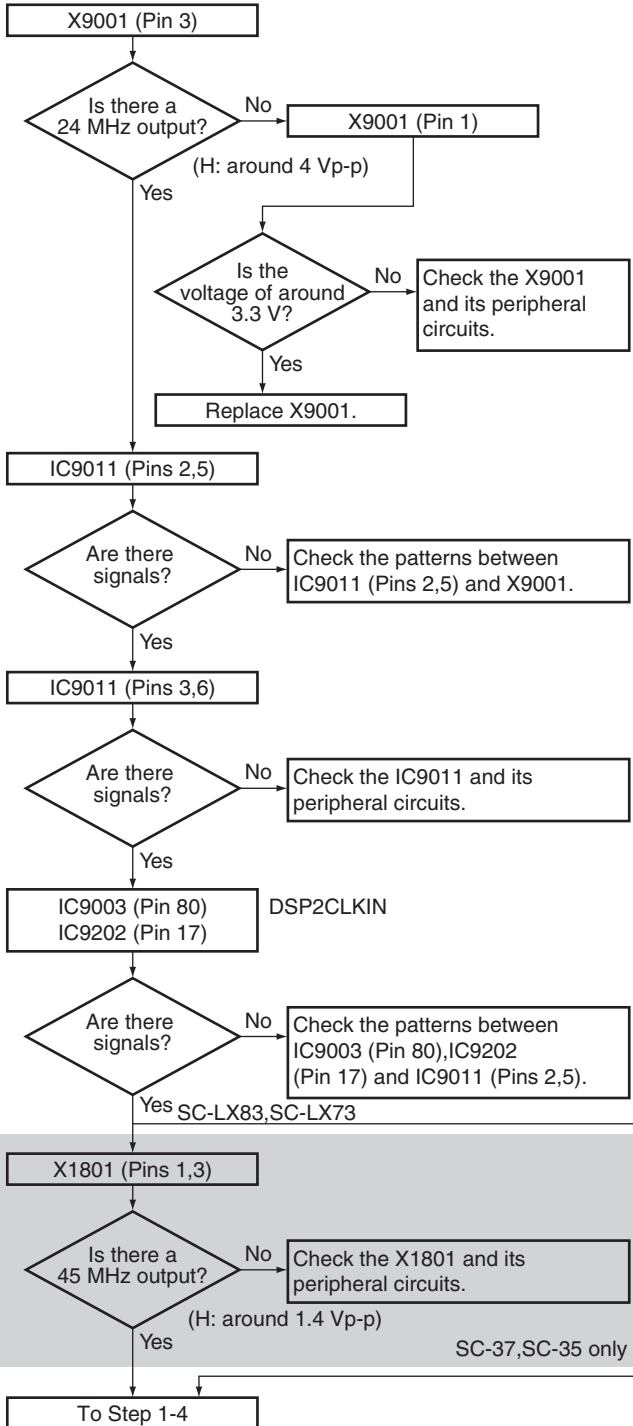
### Step 1-1: POWER SUPPLY for 1st DSP



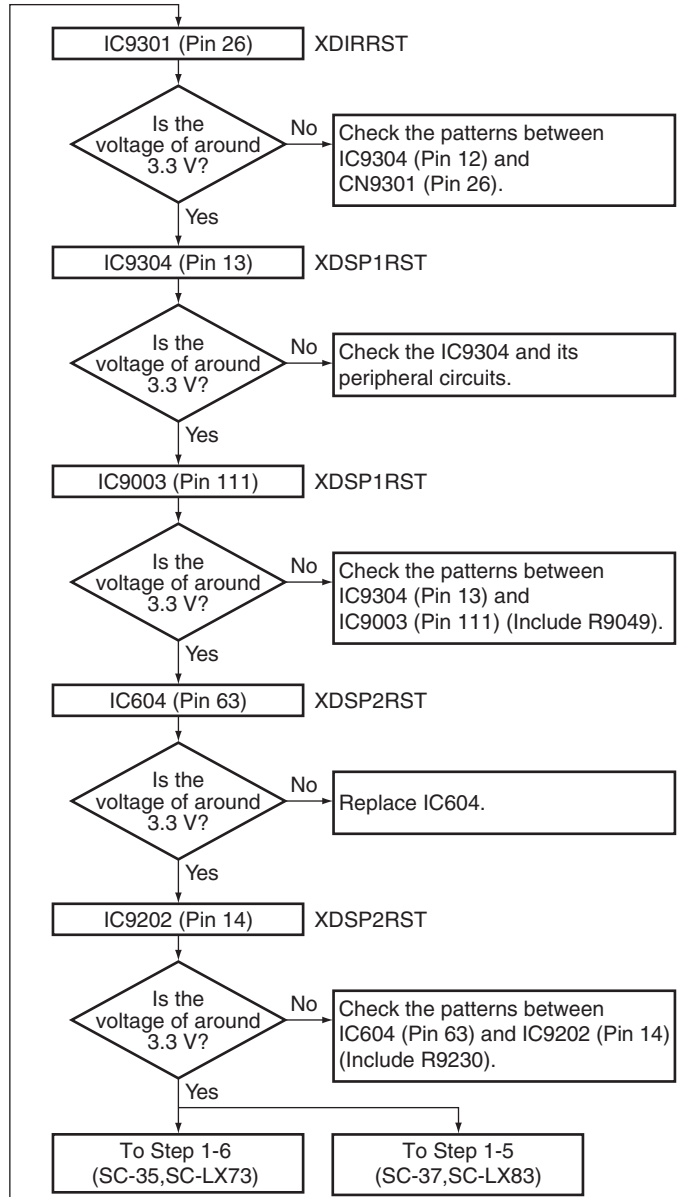
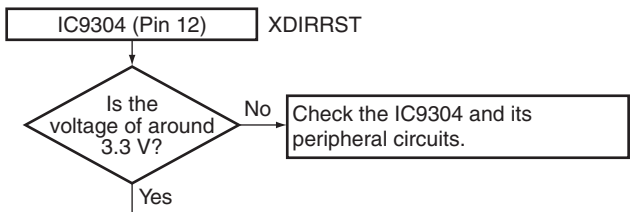
### Step 1-2: Power Supply for 2nd DSP



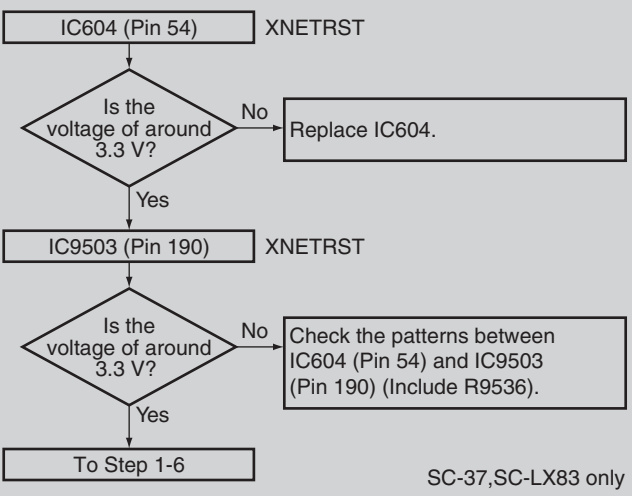
**Step 1-3: Xtal for DSP**



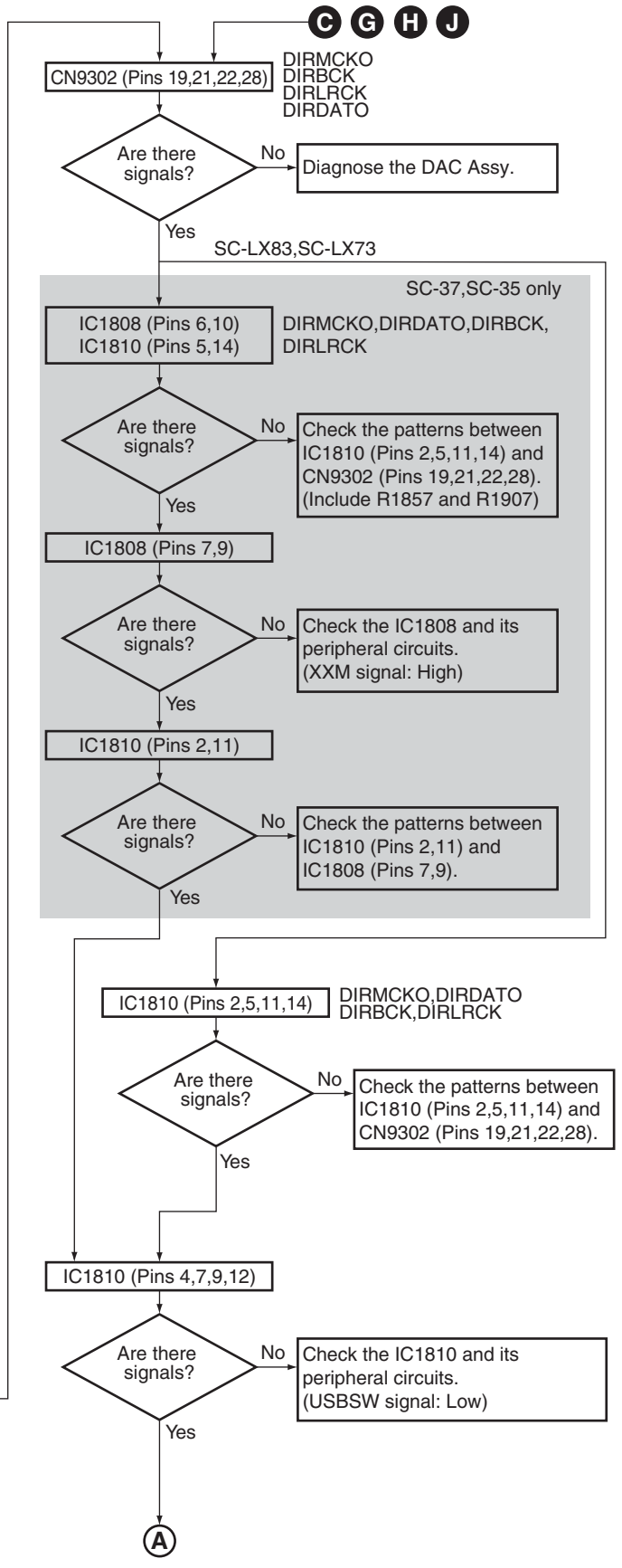
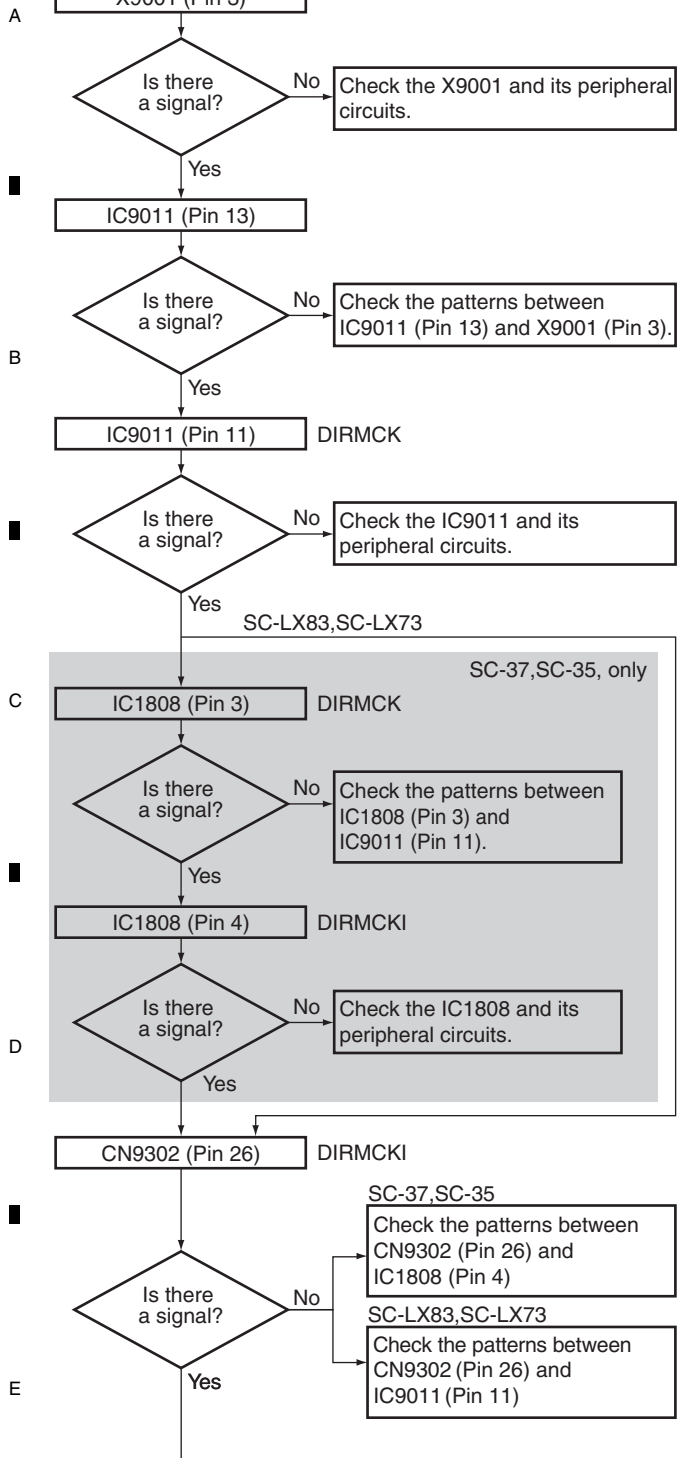
**Step 1-4: Reset for DSP**

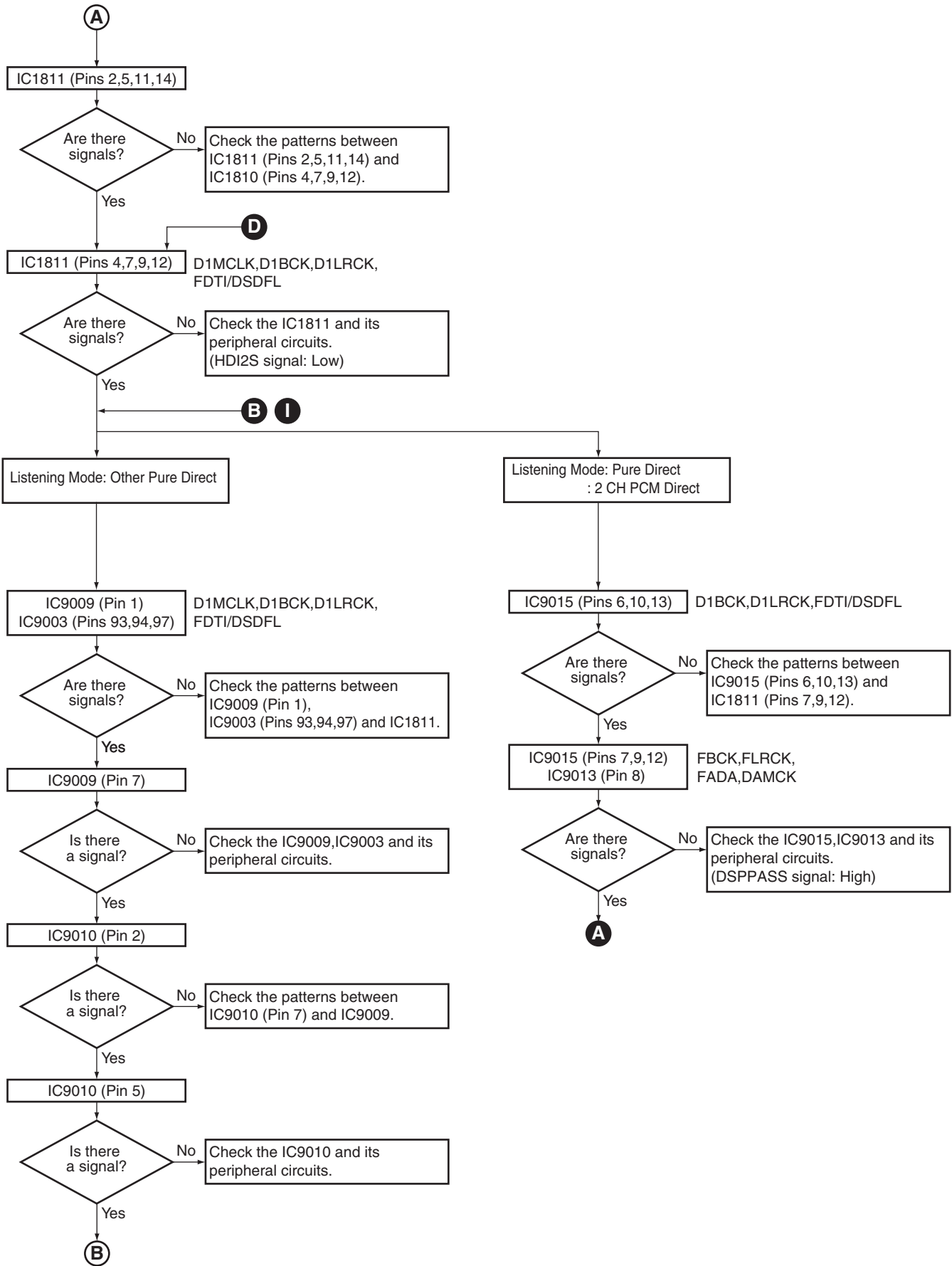


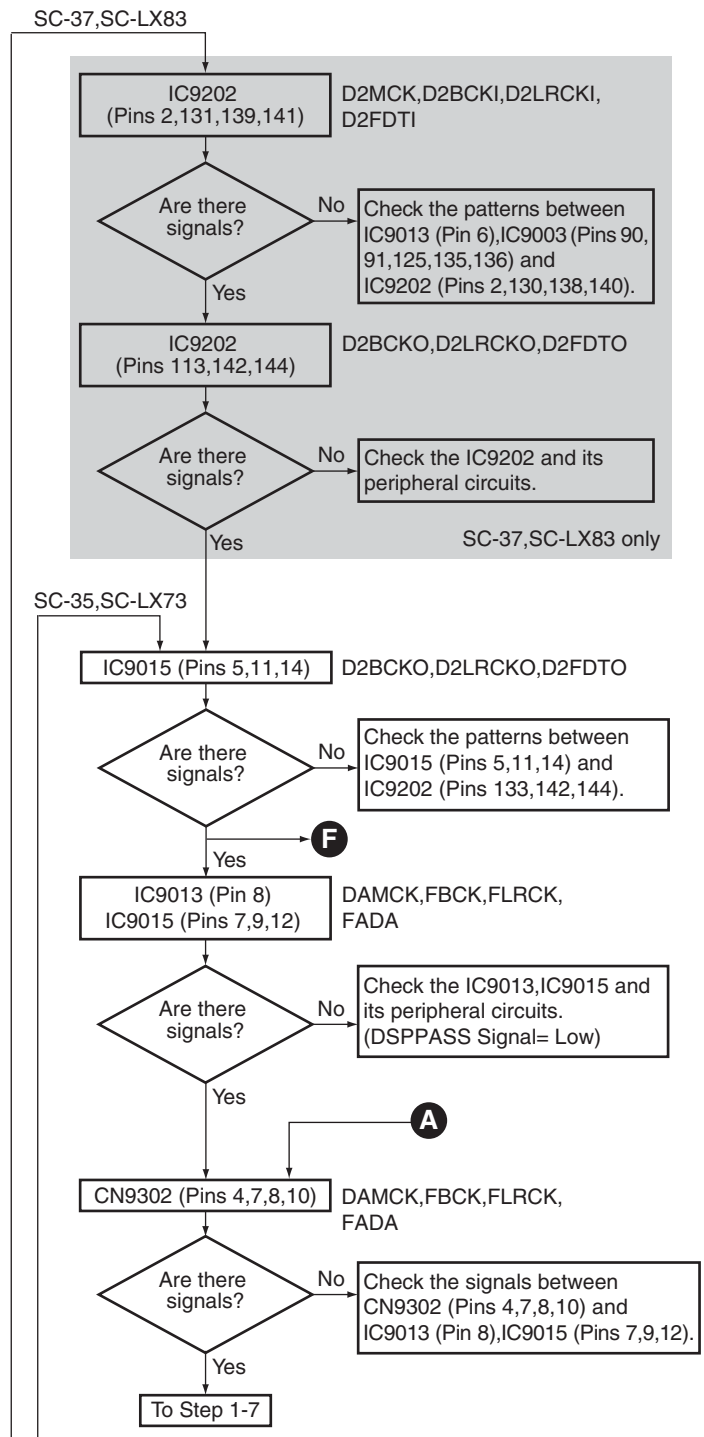
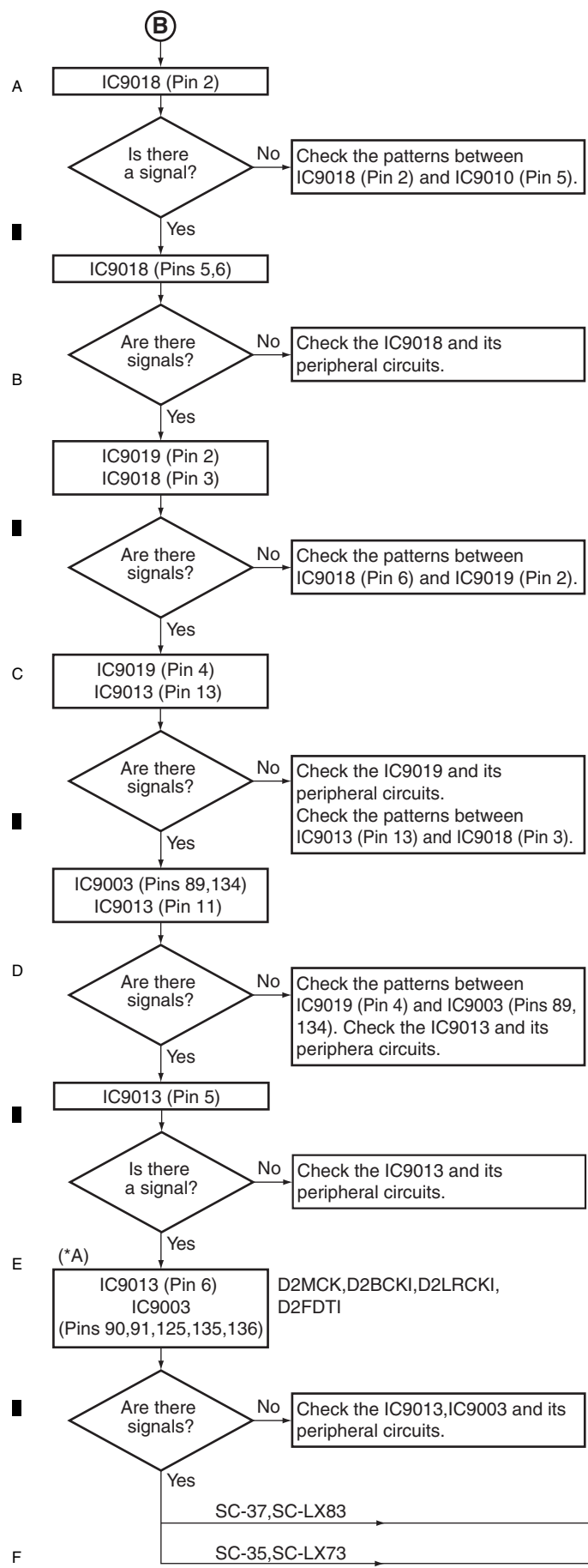
**Step 1-5: HMG BLOCK**



Step 1-6: Coaxial/Optical/AD IN (STEREO)





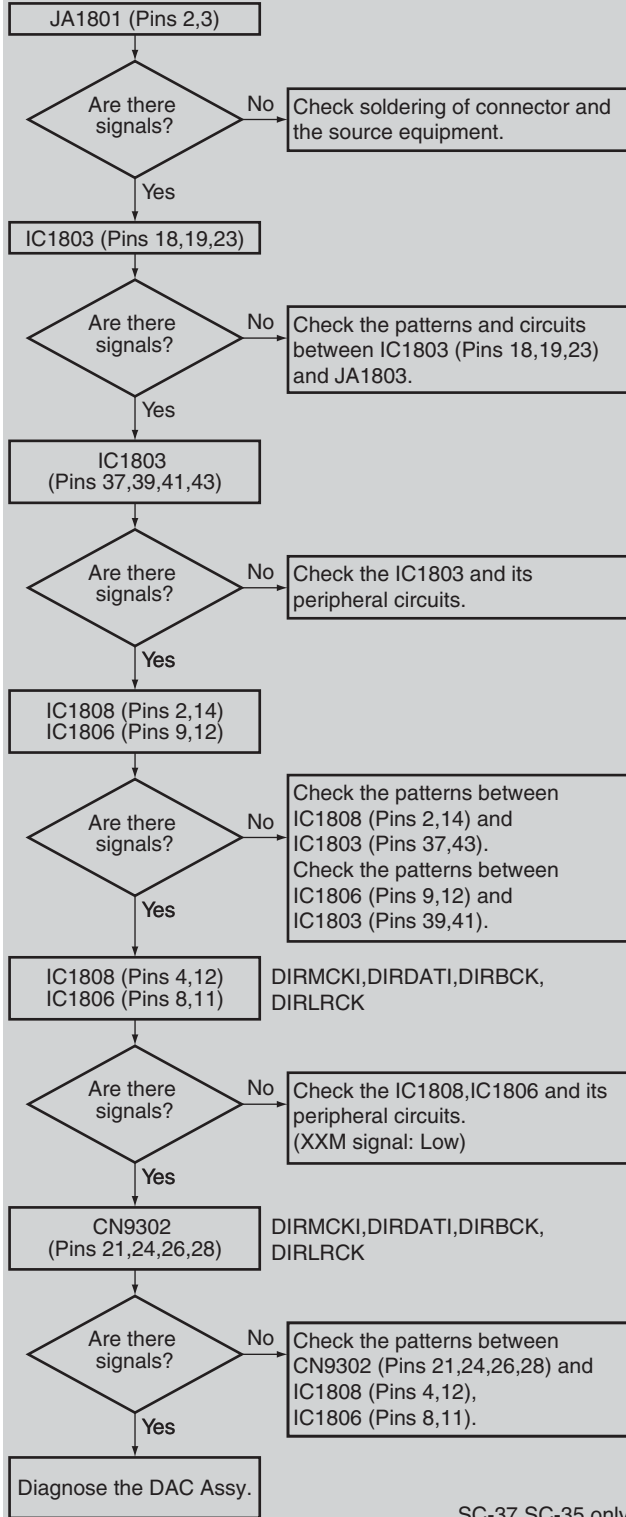


**Step 1-7: Multi CH SOURCE INPUT**  
**(compression system such as DTS and Dolby)**

Diagnose D2CDTI, D2SDTI, and D2BDTI additionally in the step 1-6\*A.  
For the following steps, diagnose the center, surround and surround  
back ch additionally in a same way.

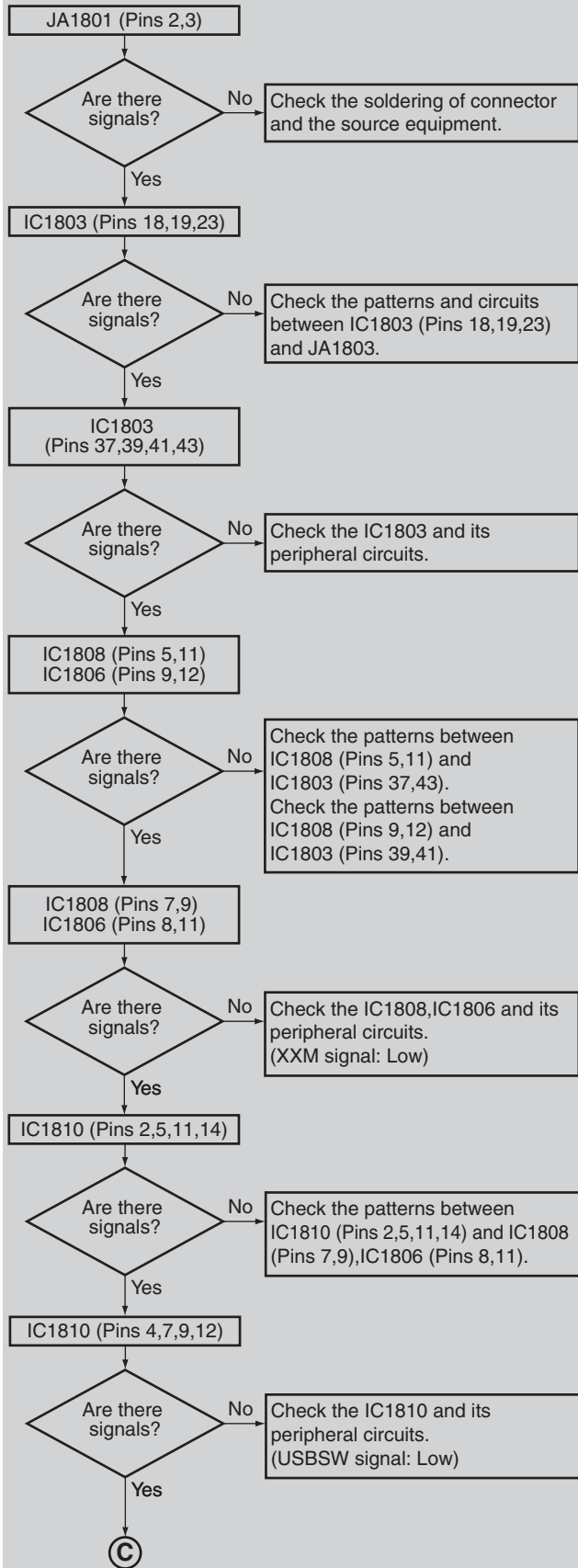
**Step 1-8: XM RADIO**

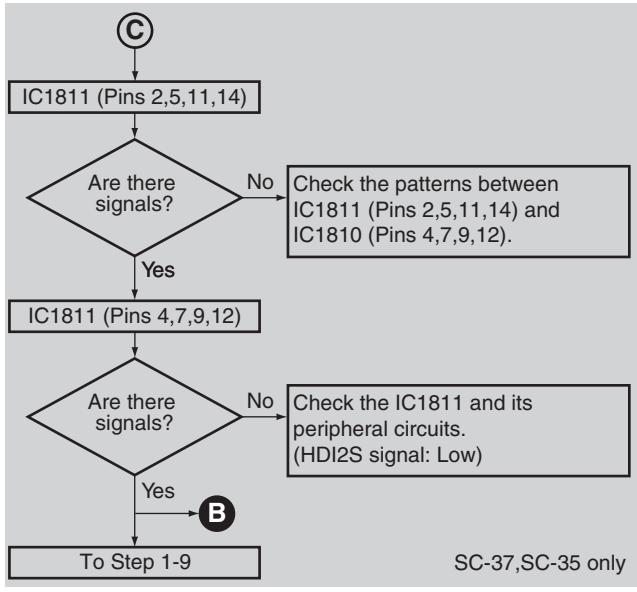
**OPTICAL OUT**



SC-37, SC-35 only

**Other OPTICAL OUT**

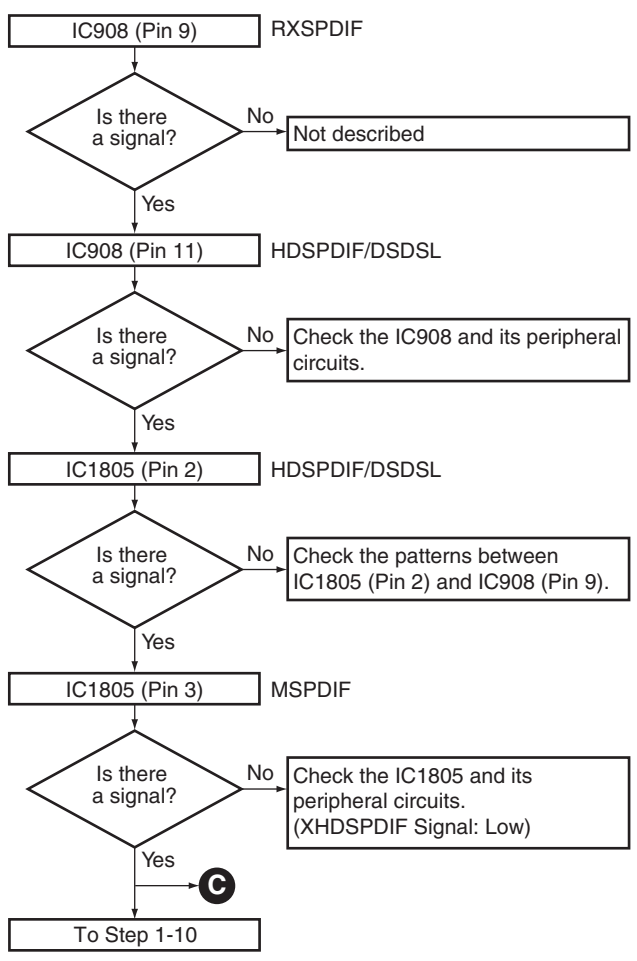




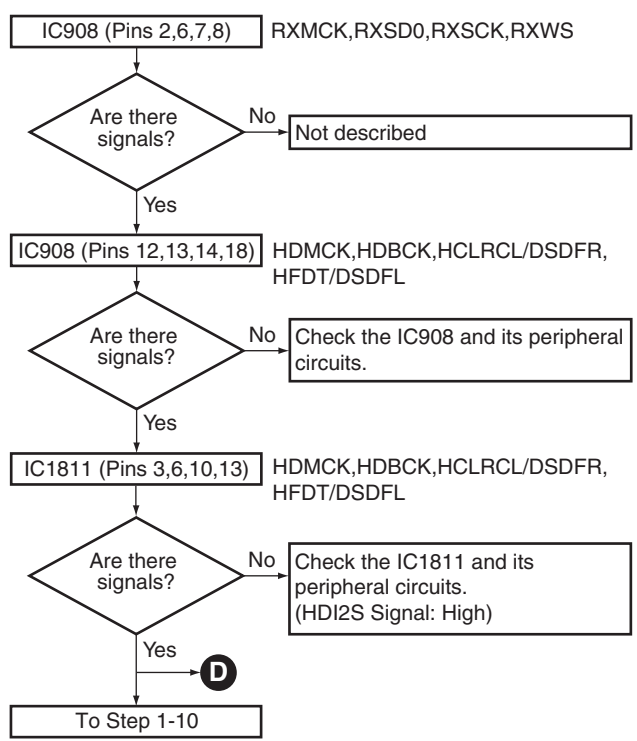
**Step 1-9: HDMI**

Refer to additional document "Condition of SPDIF or I2S Output Selection" which shows what type of format has SPDIF or I2S signals.

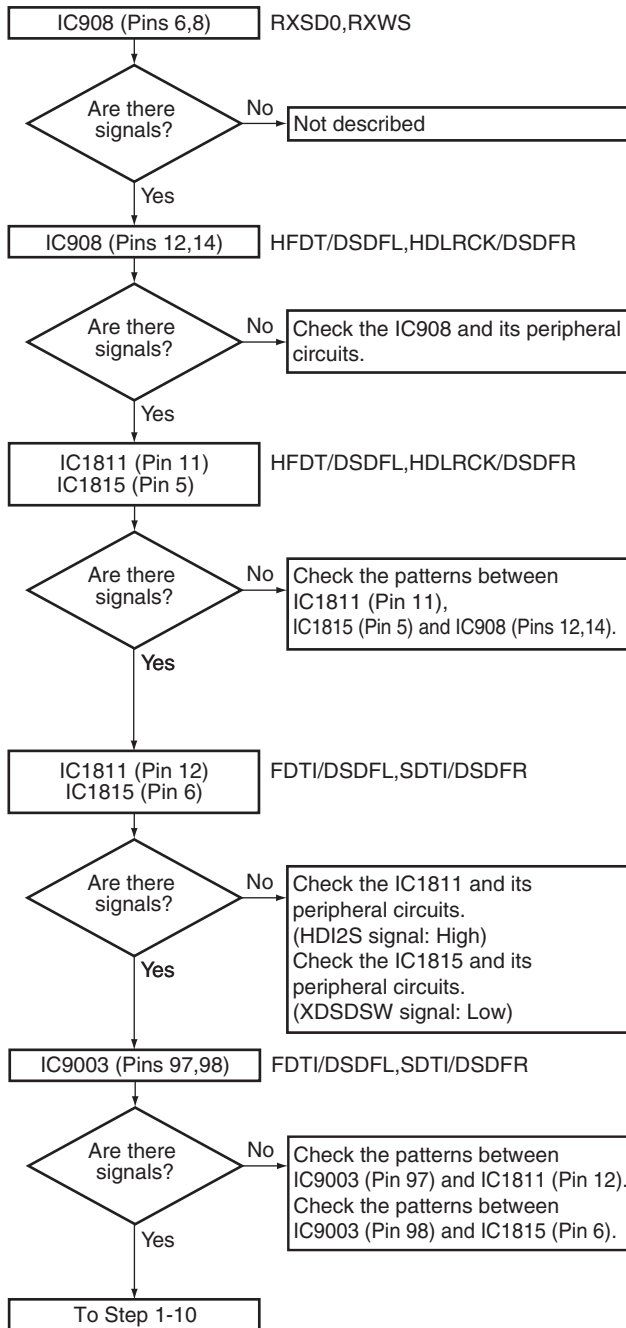
**SPDIF**



**2ch I2S**



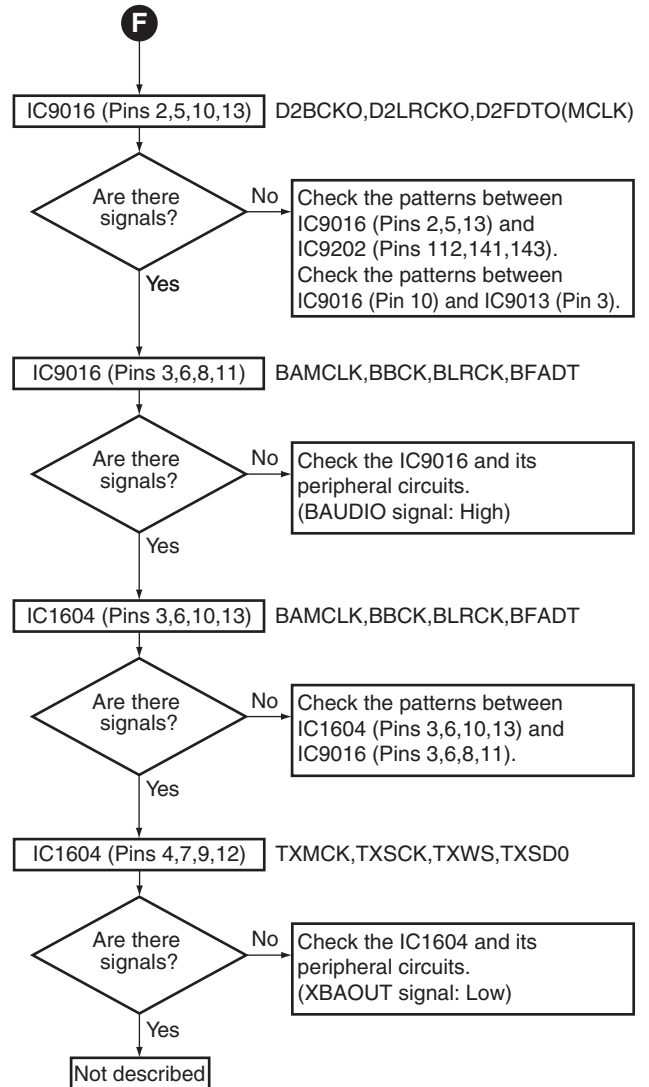
\* In case of Multich, diagnose the center, surround and surround back in addition to front.

**2ch DSD**

\* In case of Multich, diagnose the center, surround and surround back in addition to front.

**BASIC AUDIO (2ch LPCM fs = 44.1 kHz,48 kHz)**

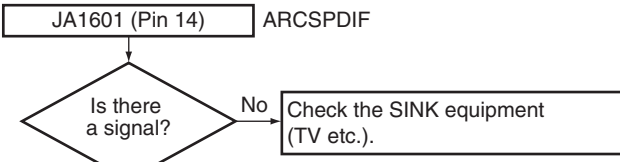
Diagnose SPDIF or 2ch I2S and make following diagnoses after the Step1-6 **F** or later.



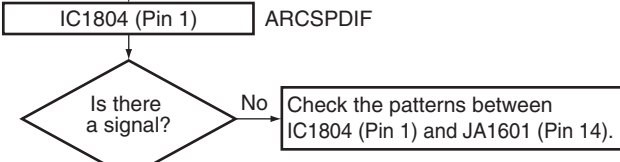
**ARC**

ARC : Audio Return Channel  
This is one of HDMI ver1.4a functions.  
Refer to IM "TV Audio setting" of "Control with HDMI function "

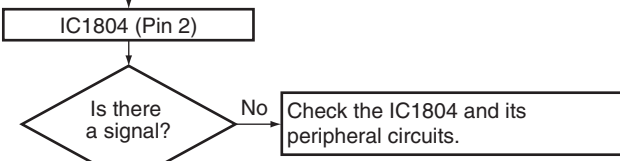
A



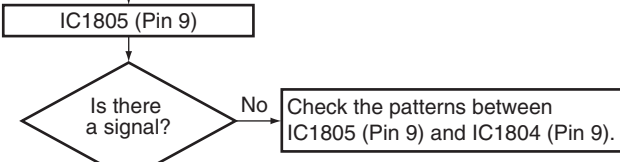
B



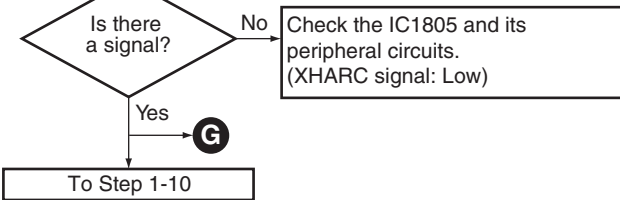
C



D

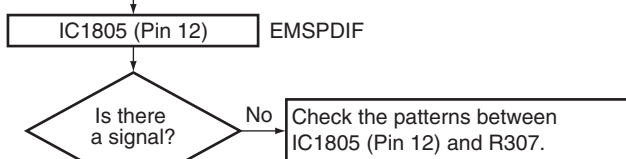
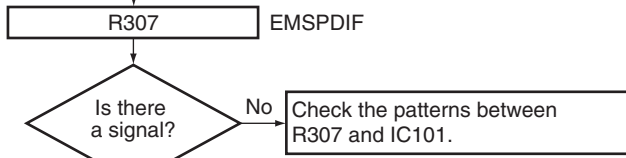
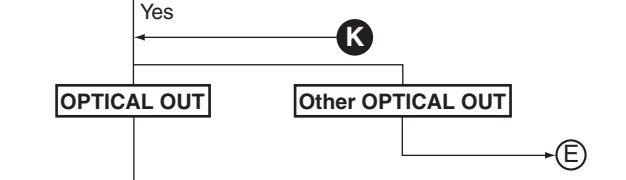
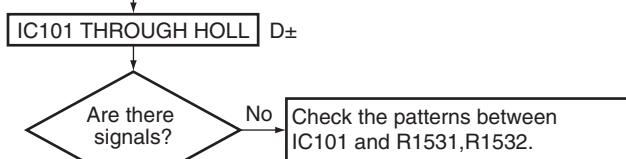
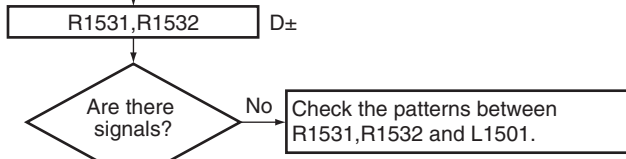
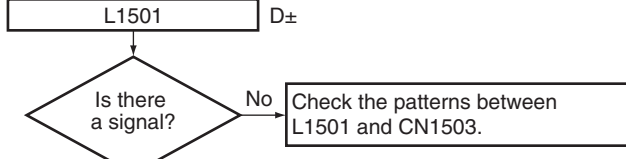
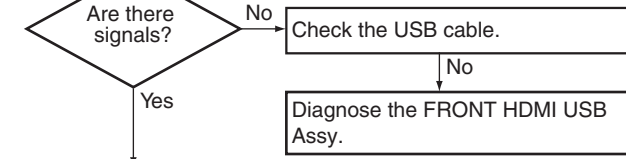
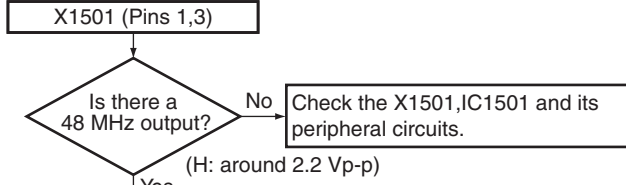


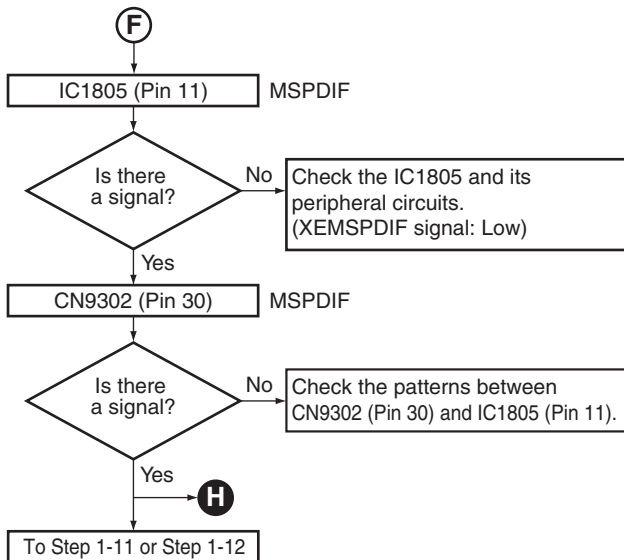
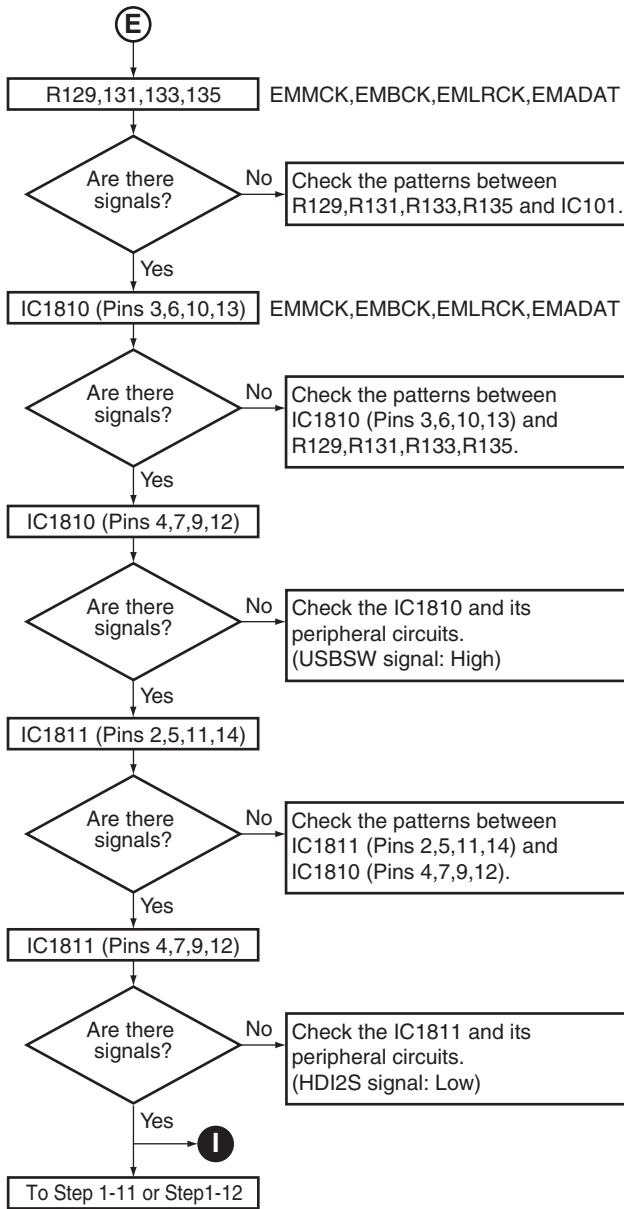
E



F

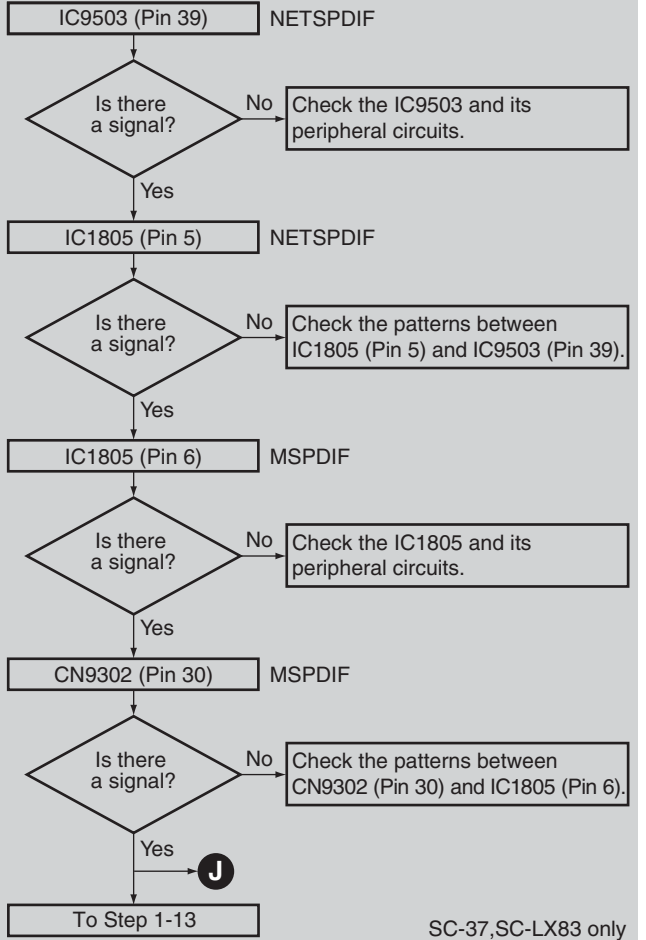
**Step 1-10: USB/iPod**





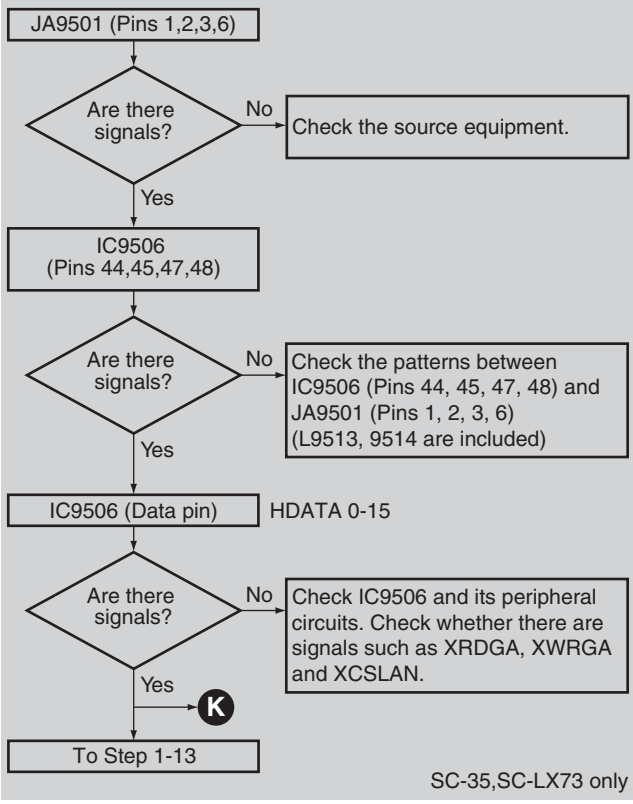
Step 1-11: H.M.G

\* The link with the source equipment (PC, NAS etc.) should be provided.

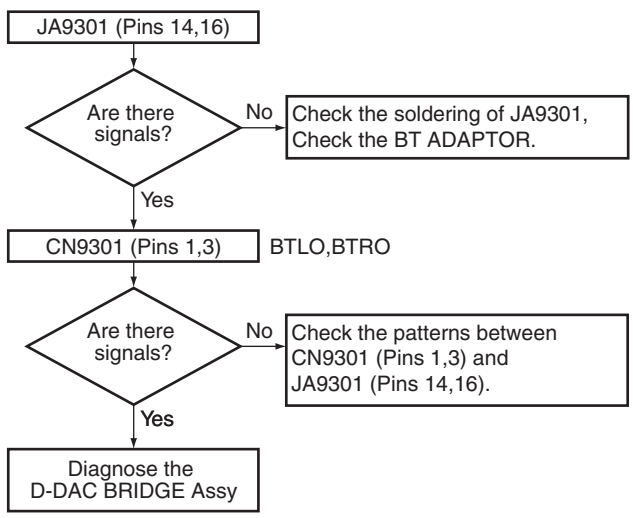


SC-37, SC-LX83 only

**Step 1-12: INTERNET RADIO**

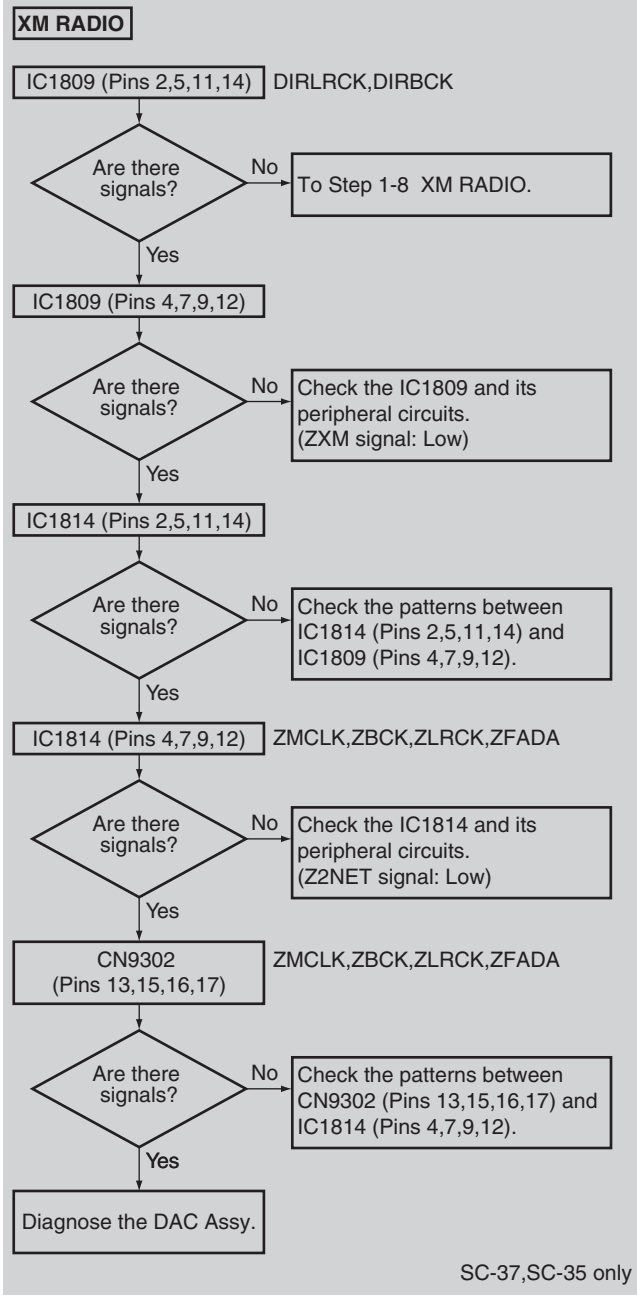


**Step 1-13: ADAPTOR PORT (BLUETOOTH)**

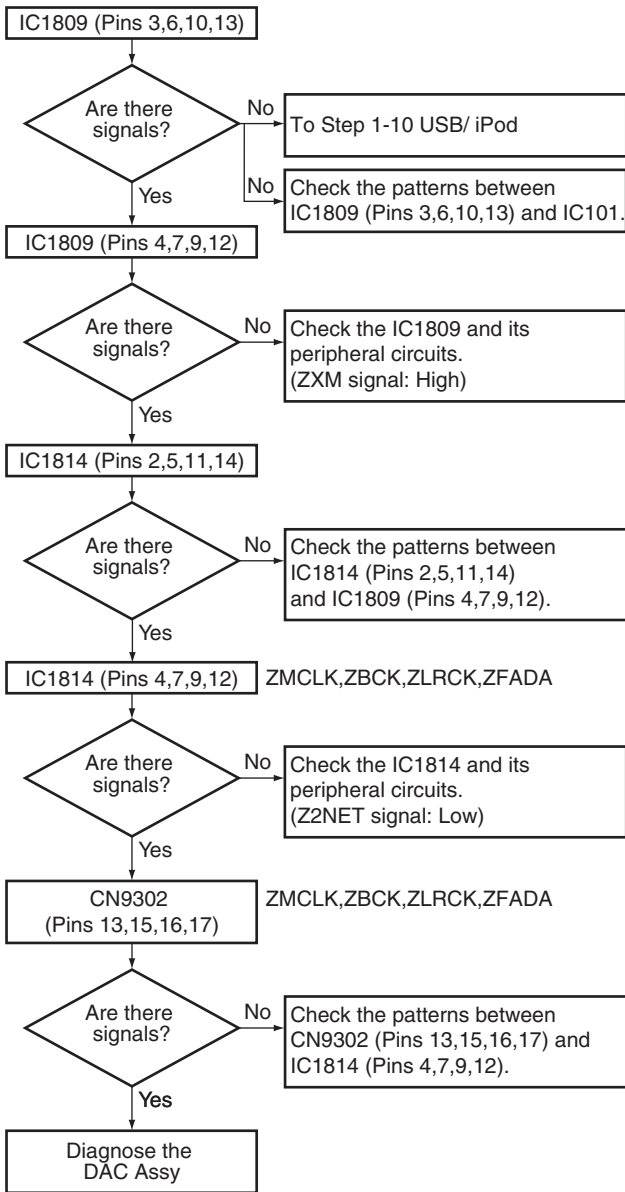


**Step 1-14: ZONE (XM RADIO,USB/iPod,H.M.G)**

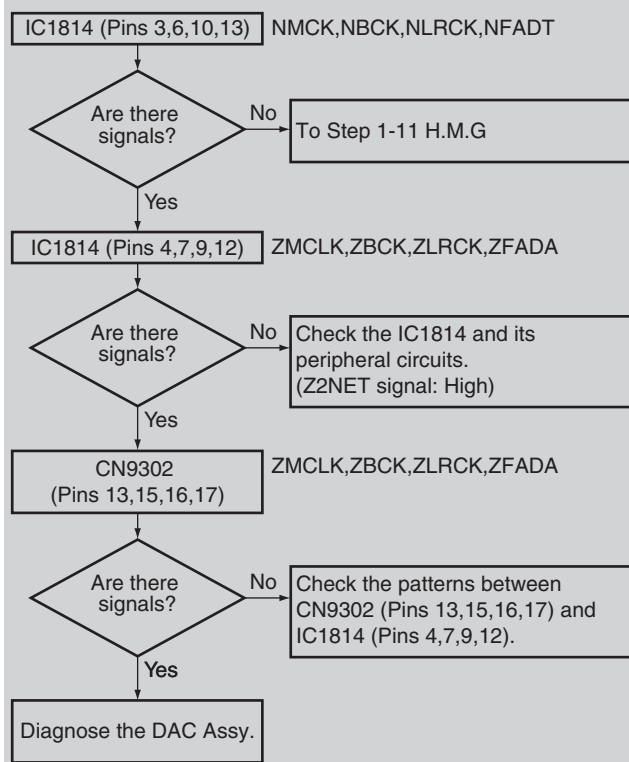
\* The sound should be properly output in MAIN room.



**USB/iPod**



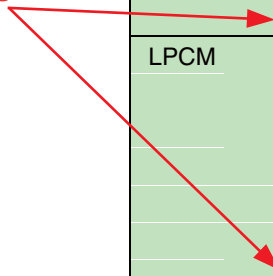
**H.M.G**



SC-37, SC-LX83 only

### Condition of SPDIF or I2S output selection (HDMI transmission)

Cannot be distinguished



| PCM                | fs(kHz) | Layout | SPDIF | I2S(3Line) |
|--------------------|---------|--------|-------|------------|
| Compression. DVD-V | 48      | 2ch    | ○     | ×          |
| Compression*.WAV   | 44      | 2ch    | ○     | ×          |
|                    | 48      | 2ch    | ○     | ×          |
| dts-CD             | 44      | 2ch    | ○     | ×          |
| PCM                | 44      | 2ch    | ○     | ×          |
|                    | 48      | 2ch    | ○     | ×          |
| DVD-V              | 96      | 2ch    | ×     | ○          |
|                    |         |        |       |            |
| LPCM               | 44      | 2ch    | ○     | ○          |
|                    |         | Multi  | ×     | ○          |
|                    | 48      | 2ch    | ○     | ○          |
|                    |         | Multi  | ×     | ○          |
|                    | 88      | 2ch    | ×     | ○          |
|                    |         | Multi  | ×     | ○          |
| DVD-A              | 96      | 2ch    | ×     | ○          |
|                    |         | Multi  | ×     | ○          |
|                    | 176     | 2ch    | ×     | ○          |
|                    |         | Multi  | -     | -          |
|                    | 192     | 2ch    | ×     | ○          |
|                    |         | Multi  | -     | -          |

|      |       |   |   |       |
|------|-------|---|---|-------|
| SACD | 2ch   | × | ○ | (DSD) |
|      | Multi | × | ○ | (DSD) |

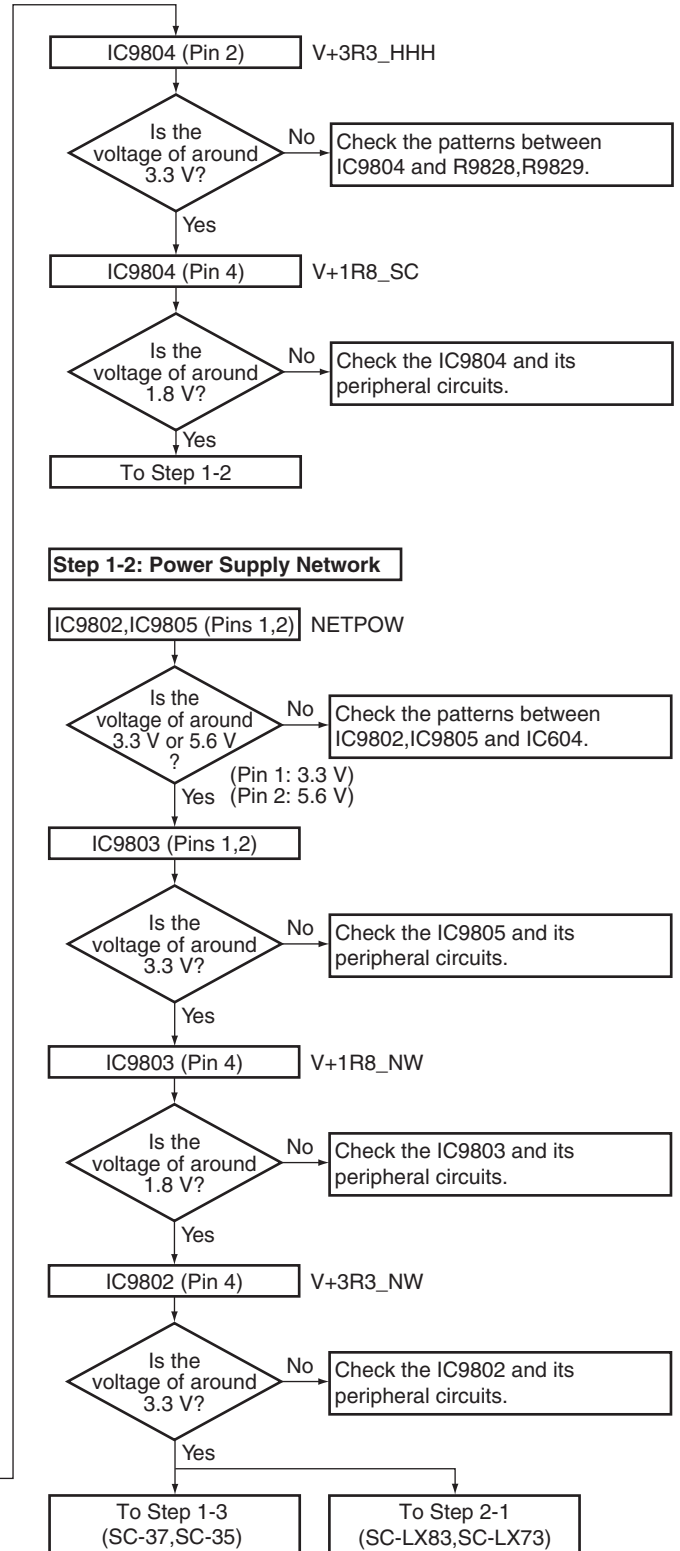
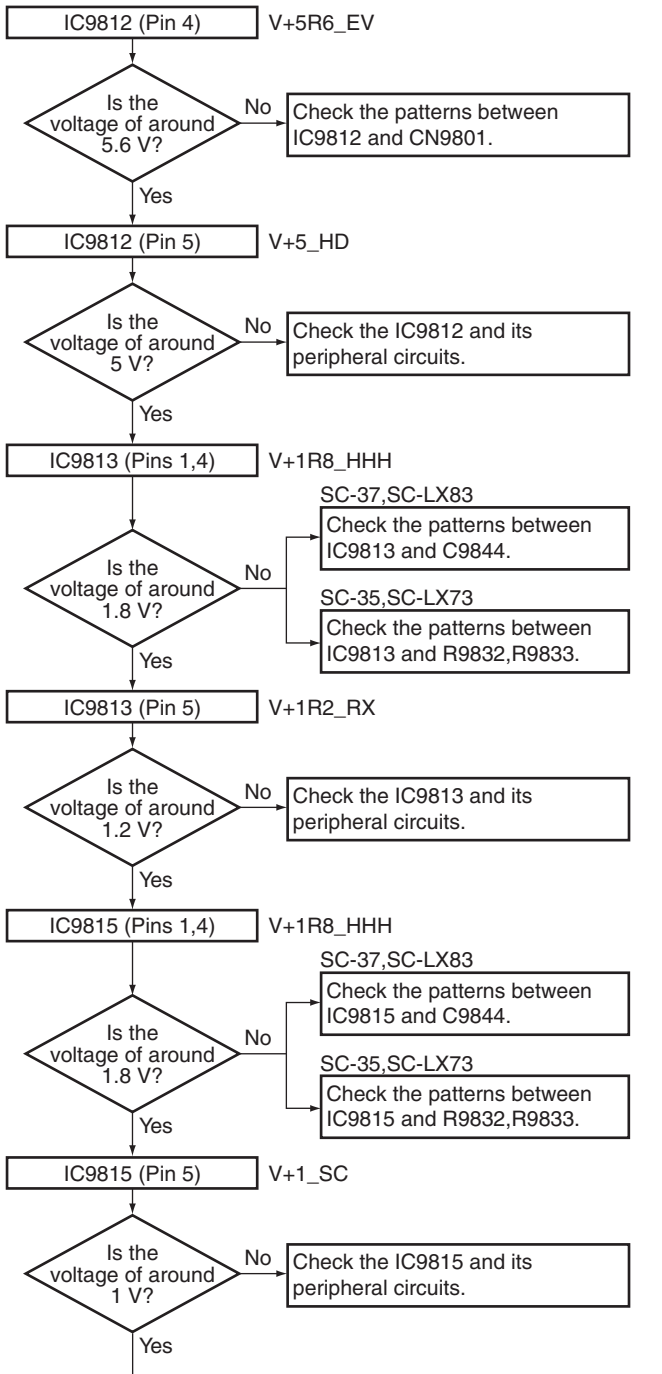
|                              |   |   |
|------------------------------|---|---|
| dts HD Master Audio          | × | ○ |
| dts HD High Resolution Audio | ○ | × |
| dts HD LBR                   | ○ | × |
| Dolby TrueHD                 | × | ○ |
| Dolby Digital Plus           | ○ | × |

## VIDEO Troubleshooting

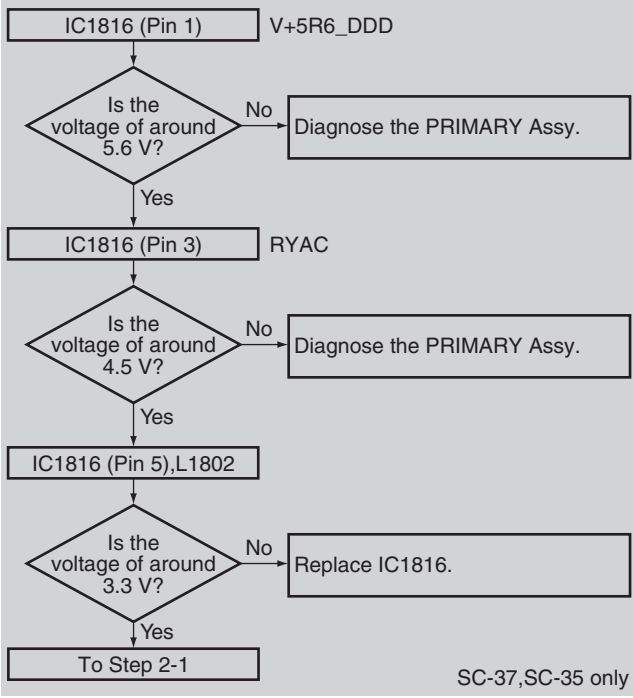
- If HDMI video signal does not output from HDMI OUT 1 or 2, but HOME MENU OSD can be displayed, go to Step 4-1 or 4-2.
- If an analog video signal does not output from analog video output even though Video Converter function is turning off, do not follow this troubleshooting, check analog input and output lines on COMPONENT ASSY or COMPOSITE ASSY. (In this case, type of input video signal and output video signal should be same. eg: IN:Composite OUT: Composite)
- The confirmation of peripheral circuits in the flowchart means the checking of the power supply directly at the pin of the IC, the conduction and resistance value check, and the checking of the solder.
- The confirmation of the pattern in the flowchart means the diagnosis including the one for the resistors on the pattern.

### Step 1: POWER SUPPLY

#### Step 1-1: Power Supply Video

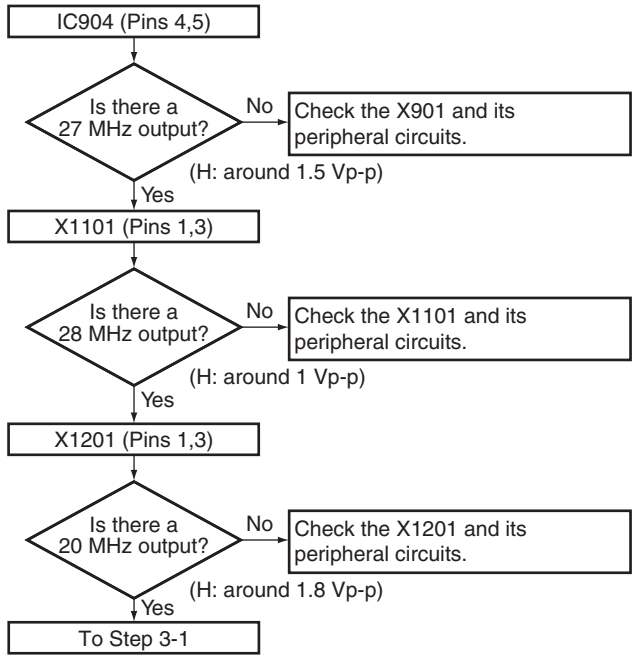


**Step 1-3: Power Supply XM**



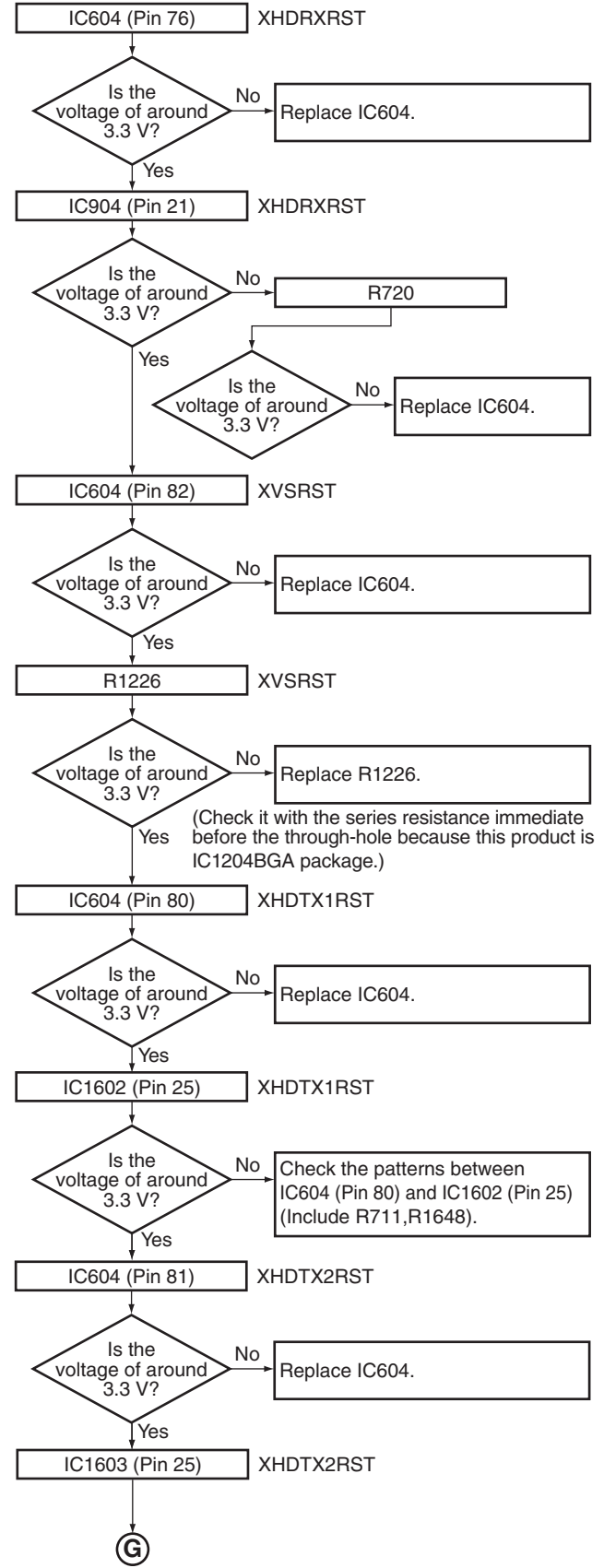
**Step 2: Xtal**

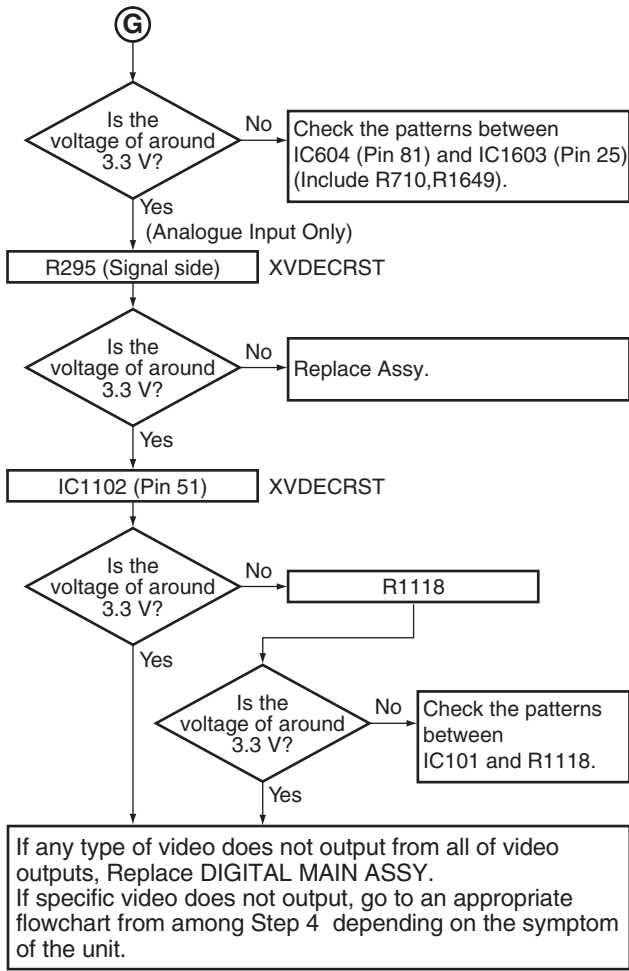
**Step 2-1: VIDEO BLOCK**



**Step 3: Reset**

**Step 3-1: VIDEO BLOCK**

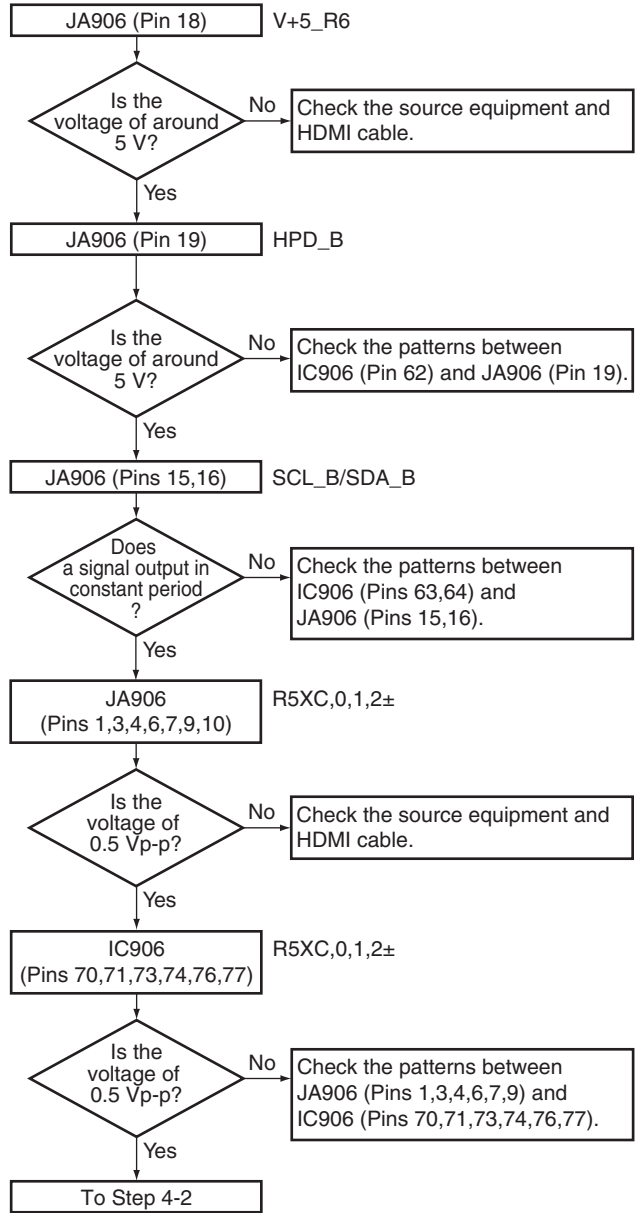




### Step 4: VIDEO

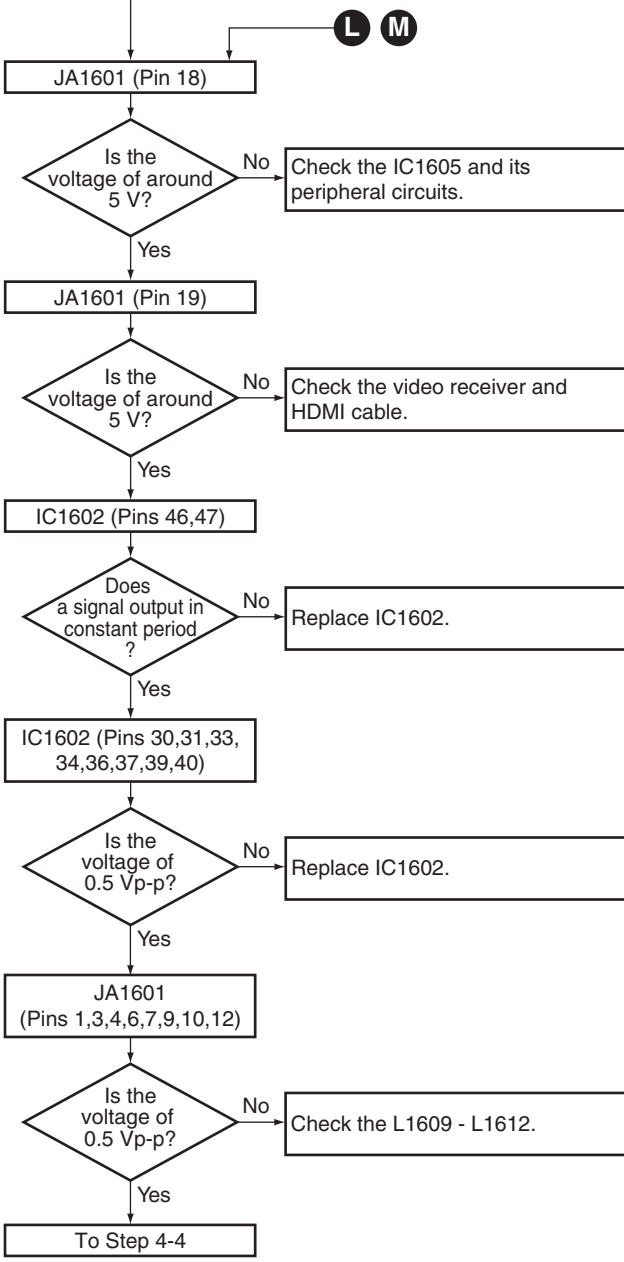
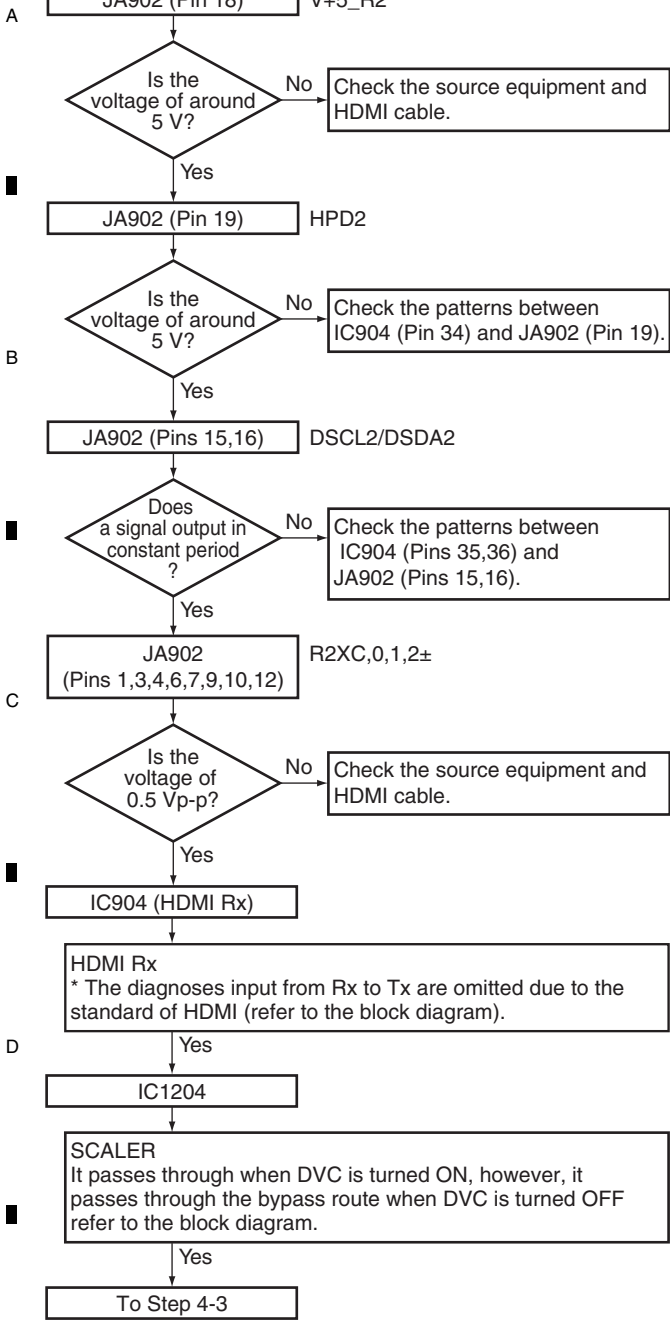
\* The indicator (LED) of HDMI on the front panel should light up.

#### Step 4-1: HDMI IN (IN BD,IN 1,5) \* Connection No is IN BD



**Step 4-2: HDMI IN (IN 2,3,4)** \* Connection No is IN2

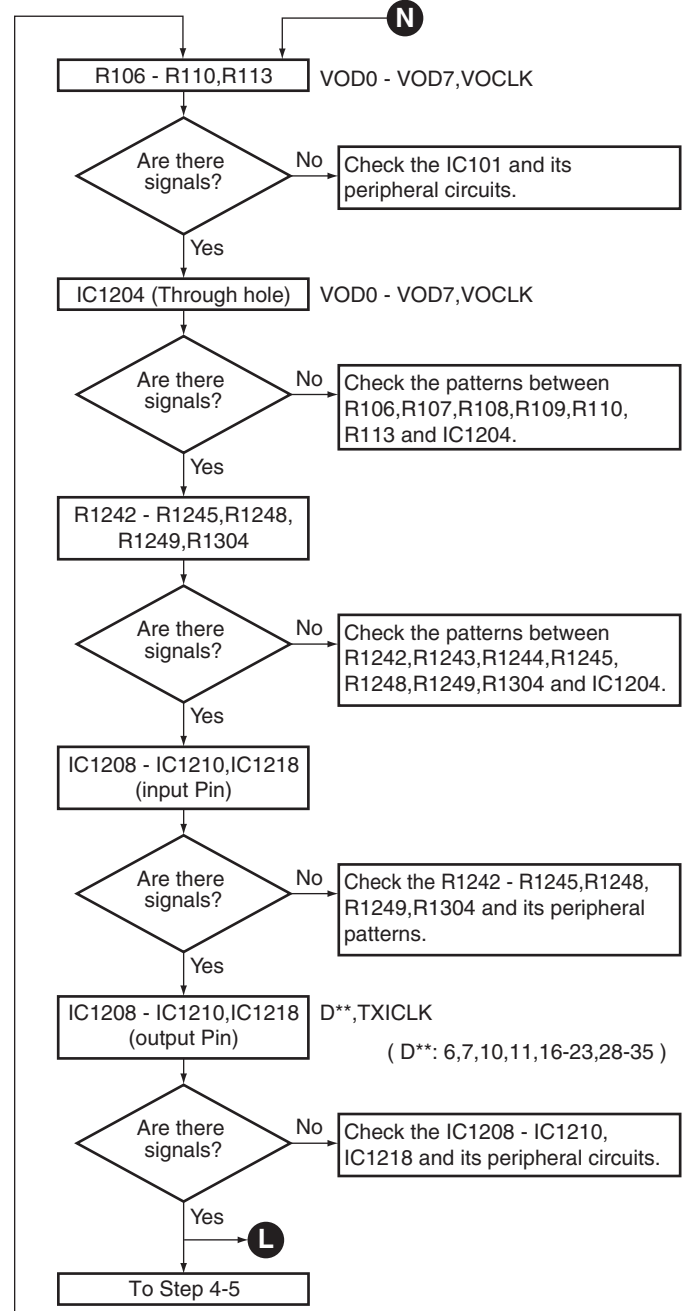
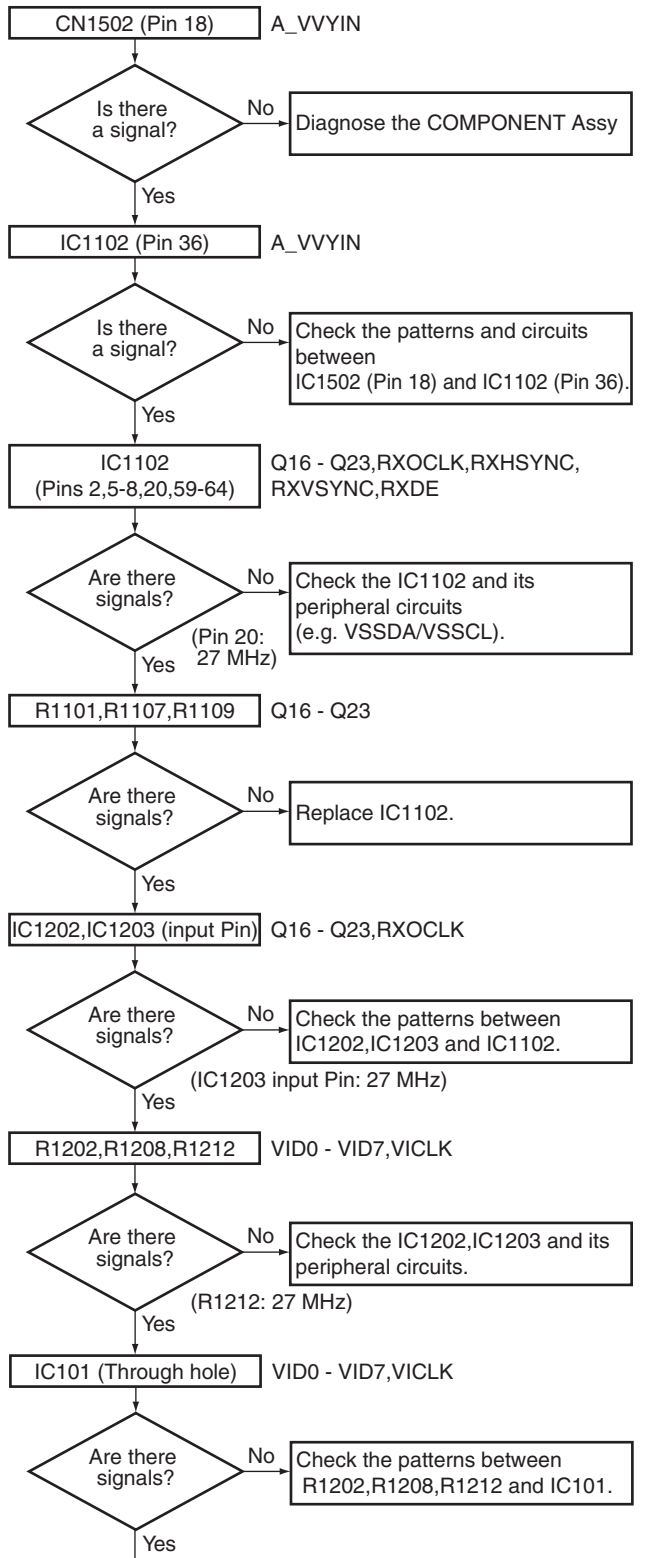
**Step 4-3: HDMI OUT** \* Connection No is HDMI OUT1



E

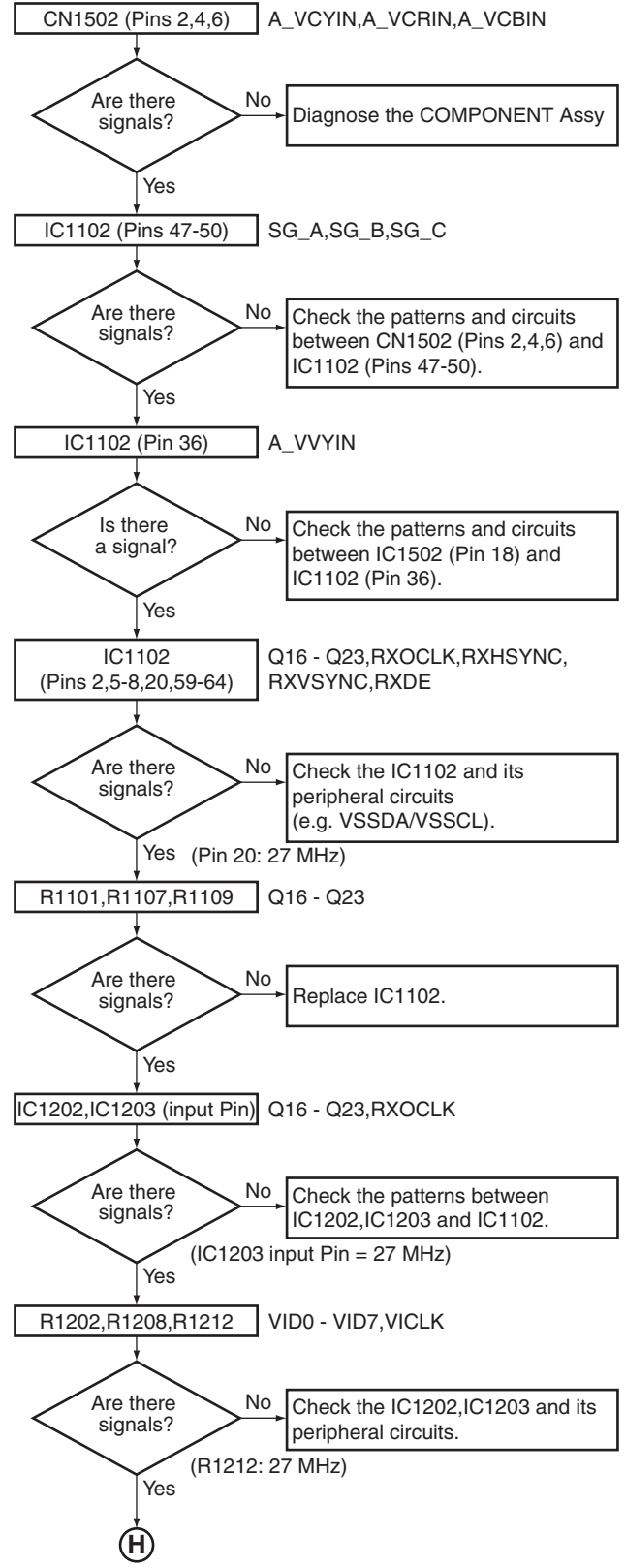
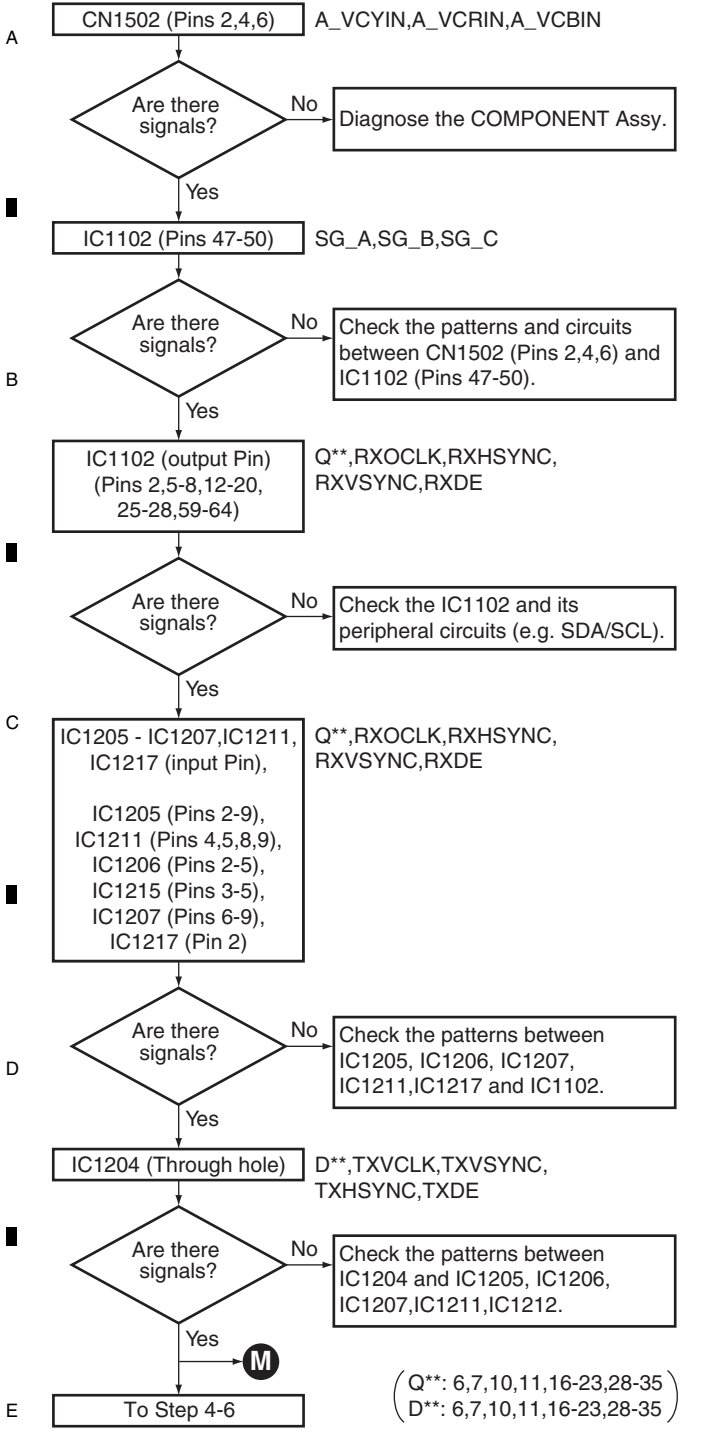
F

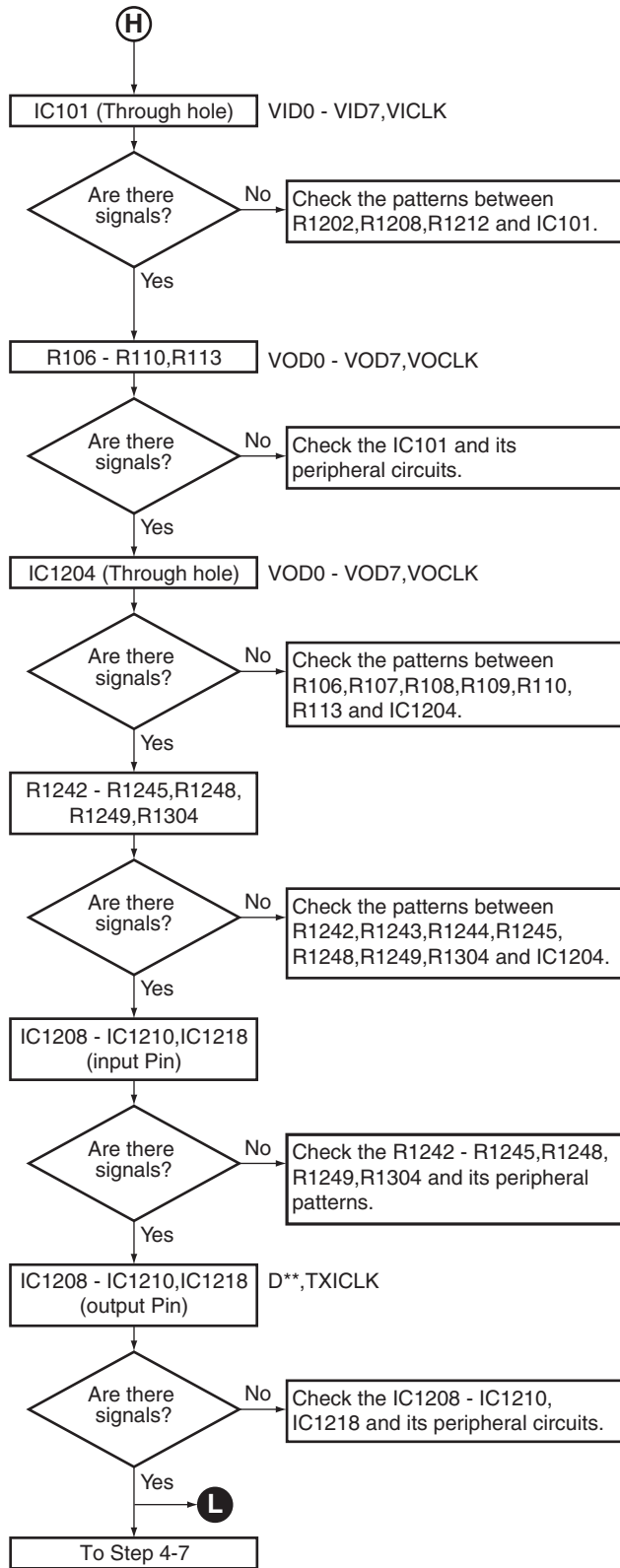
**Step 4-4: Composite IN-HDMI OUT (DVC:ON)**



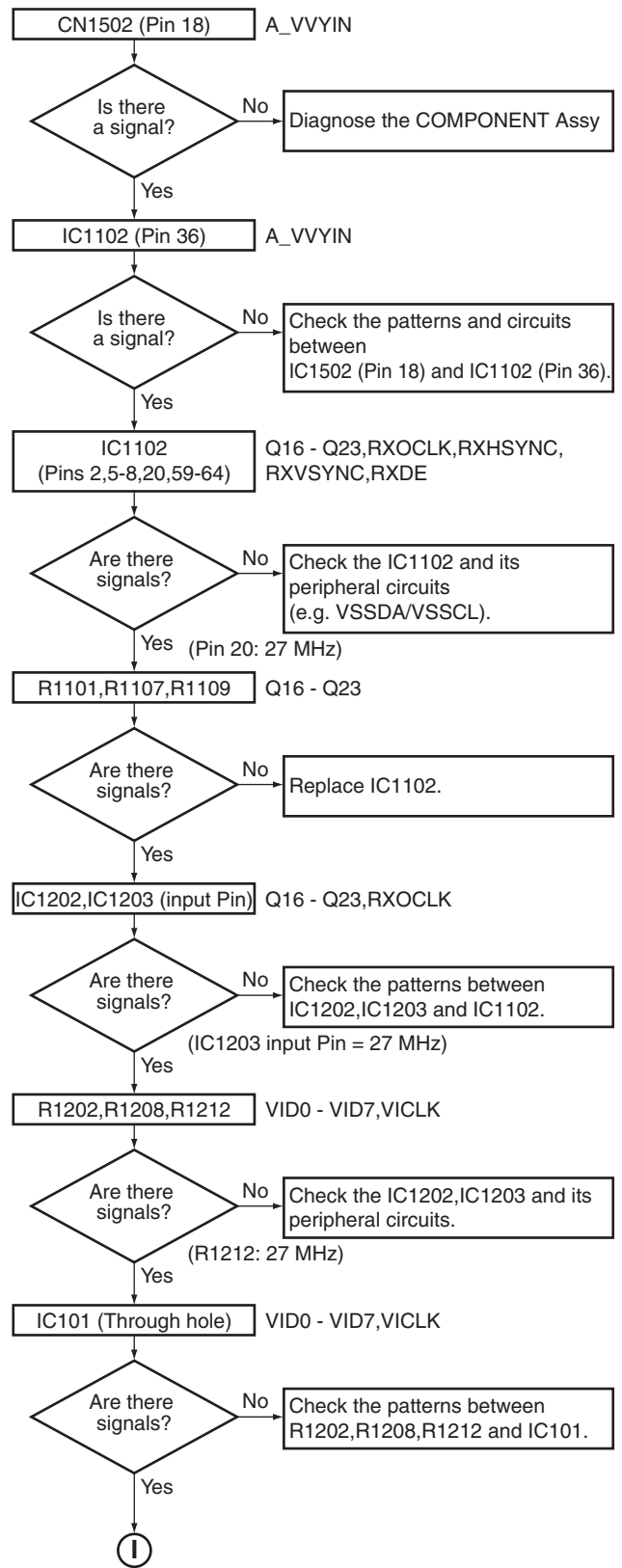
Step 4-5: Component IN (more than 480p) - HDMI OUT (DVC ON)

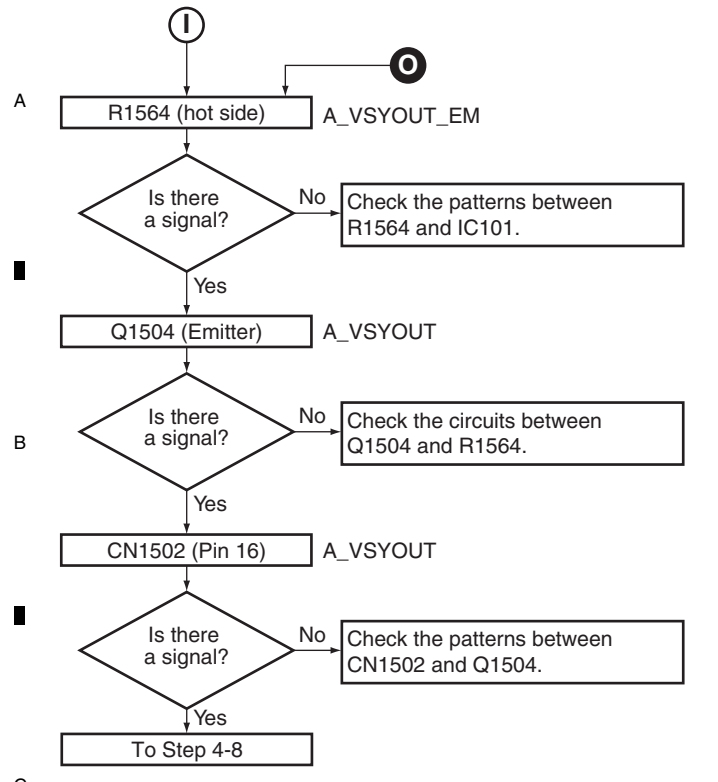
Step 4-6: Component IN (at 480i) - HDMI OUT (DVC ON)



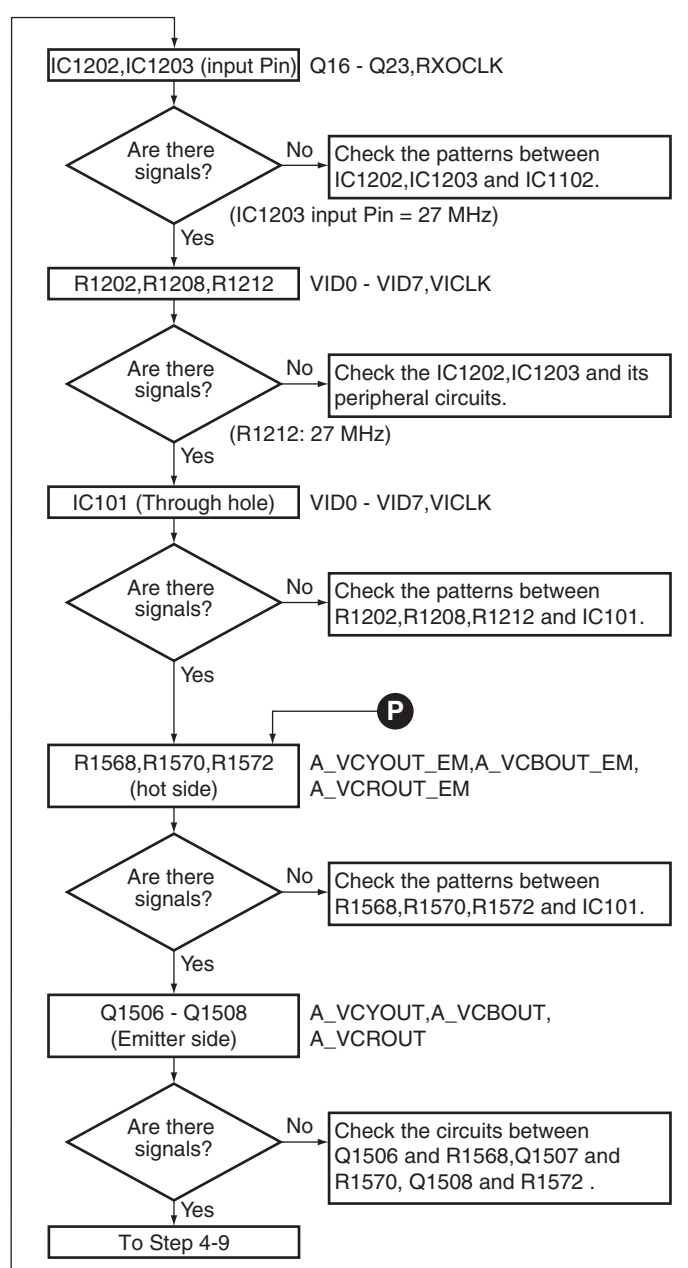
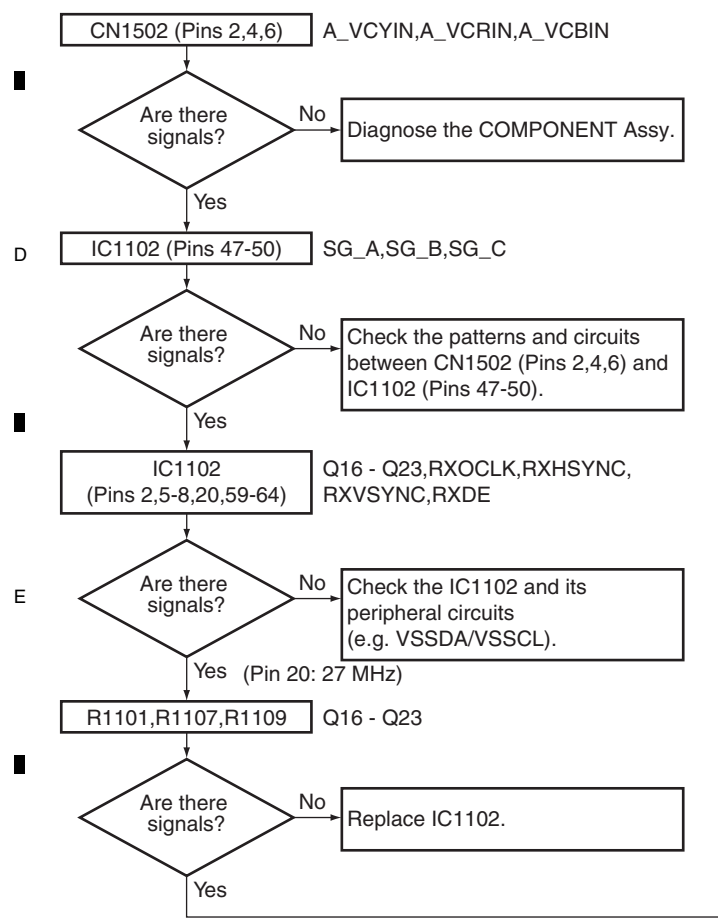


Step 4-7: Composite IN - Composite OUT (DVC ON)

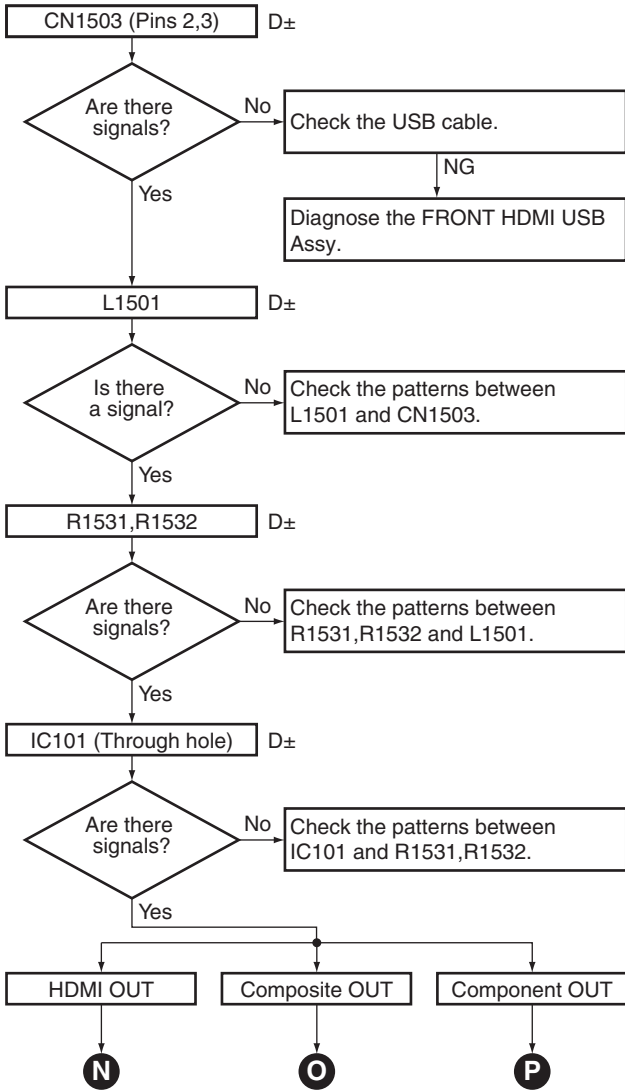




**Step 4-8: Component IN (at 480i) - Component OUT (DVC ON)**



**Step 4-9: USB/iPod**



A  
B  
C  
D  
E  
F

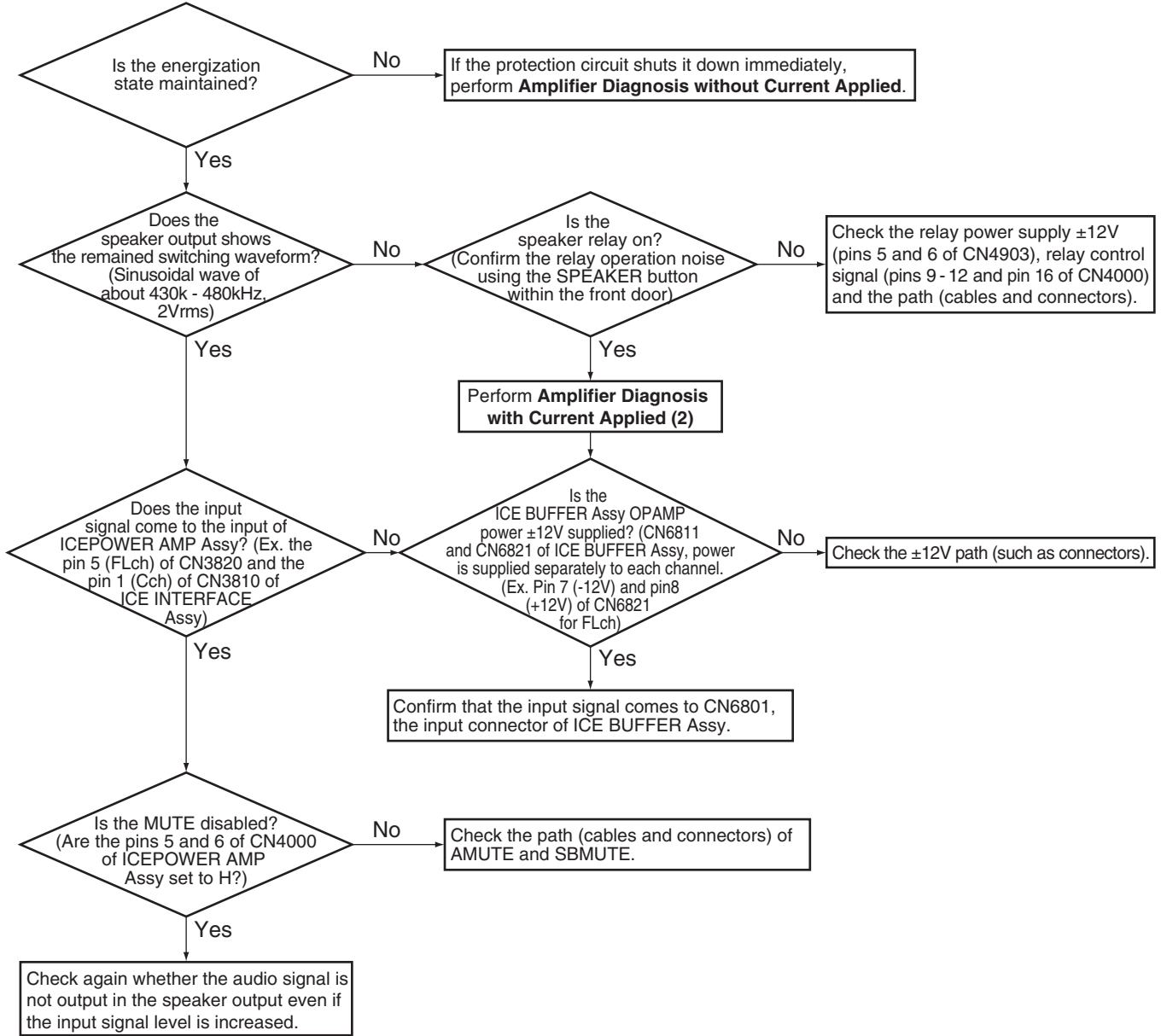
### Power Amp Section Troubleshooting

In the speaker output, the sinusoidal wave of about 430k - 480 kHz 2Vrms (when immediately after the current is applied with no signal/no load; the switching frequency varies by the connected load, signal level and the energizing time) is always output. It is the switching waveform ( $\pm 64V$  square wave) in the output stage that has been attenuated through LPF. If such remained waveform can be observed, it can be assumed that the amplifier is operating normally.

When a signal is input to the amplifier, the output signal of the speaker shows the waveform such that the remained switching waveform is superimposed onto the audio signal. Note that when the input signal level is extremely small, it may not be easy to confirm the audio element since it is buried in the remained switching waveform (approximately 2Vrms).

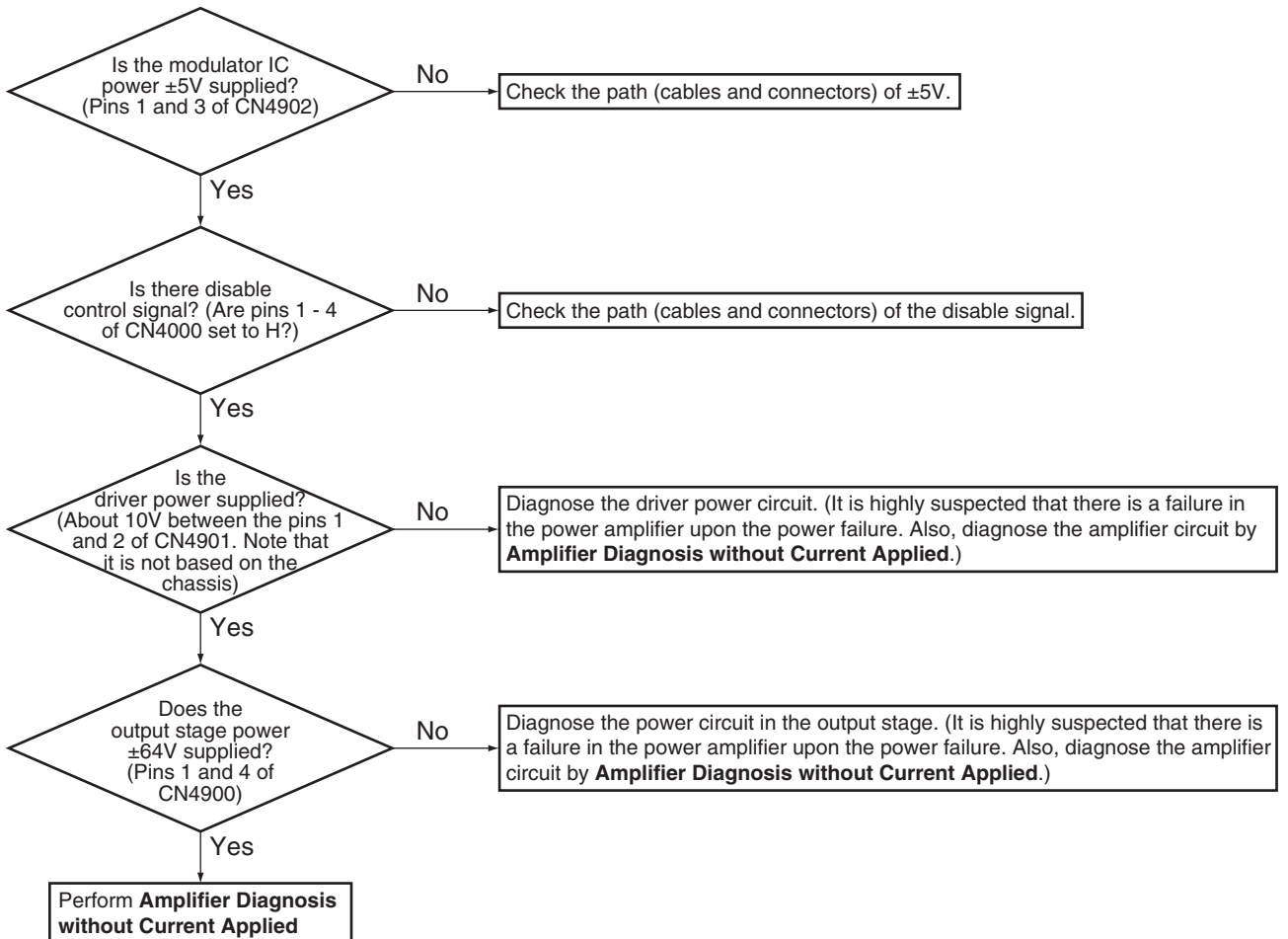
When no sound is produced with a specific function or sound mode, it is not caused by a failure in the power amplifier block. When there is a failure in the power amplifier block, no sound is produced with every function. It is recommended to set the speaker setting to "LARGE" for all the channels and the function to "MULTI CH IN" when examining the power amplifier.

### Amplifier Diagnosis with Current Applied (1)



## Amplifier Diagnosis with Current Applied (2)

When the remained switching waveform is not observed in the speaker output, the amplifier is not operating. Here, confirm that the power and signal necessary for the amplifier to operate are supplied.



## Amplifier Diagnosis without Current Applied

The most common symptom of the power amplifier failure is the destruction of the power amplifier output stage or the power amplifier power circuit due to the heavy load, which is, for example, caused by short of the speaker terminal or the use of the non-guaranteed low impedance speaker.

If the protection circuit immediately shuts it down immediately after the current is applied, it is highly likely that it is the above symptom. The procedure to diagnose/repair without applying current is shown below.

Before starting the diagnosis, wait for three minutes until the electricity is discharged.

Yes

Diagnosis of the power amplifier output stage (The example below uses the wiring No. of FLch.)

Check that the MOSFET is not shorted (Ex.) Q4100, Q4101  
 Check that the gate resistance is not damaged (Ex.) R4148, R4149  
 Check that the gate diode is not damaged (Ex.) D4101, D4102  
 Check that the gate drive transistor is not damaged (Ex.) Q4102, Q4103, Q4104, Q4105

Diagnosis of the output stage power supply (B REG Assy)

Check that the fuses FU61 and FU62 are not burned out  
 Check that the transistors Q7300 and Q7301 are not damaged  
 Check that the diodes D7308 and D7310 are not damaged

Diagnosis of the driver power supply (ICE REG Assy)

Check that the fuse FU15 is not burned out

Diagnosis of the power amplifier drive circuit (The example below uses the wiring No. of FLch) (When the driver power supply has an error, it is suspected that the power amplifier drive circuit also has an error)

Check that the driver IC is not damaged (IC4101)  
 Check that the L and R connected in series to the power supply are not damaged (L4104, R4147)

## 5.2 CIRCUIT DESCRIPTION

### [1] Protection Circuit Process List

#### B REG Power Supply

| Item                                  | Purpose   | Detection Method  | Status of Equipment   | Warning Indication               | Remarks  |
|---------------------------------------|---|---|---|----------------------------------|--|
| B REG power supply overheat detection | Detects overheat of transistor(s) in B REG power supply circuit       | Detects when posistor detection temperature exceeds 120°C and BTMP port becomes "H". (IC8001 85pin)         | Flashes "OVERHEAT".<br>Shuts down at continuation for more than 3 seconds.<br>LED indicator continues blinking. | Blinks STANDBY/ON LED indicator. | Recoverable by power-on 1minute after shut down.   |
| B REG power supply failure detection  | Detect abnormal voltage drop when B REG transistor(s) becomes failure | Detects output voltage of B REG power circuit decreases below 38V and BERR port becomes "L". (IC8001 84pin) | Shuts down  | Blinks ADVANCED MCACC LED        | Recoverable by only DC DETECT cancel.<br>Refer to "How to Enter Release Mode" next page. |

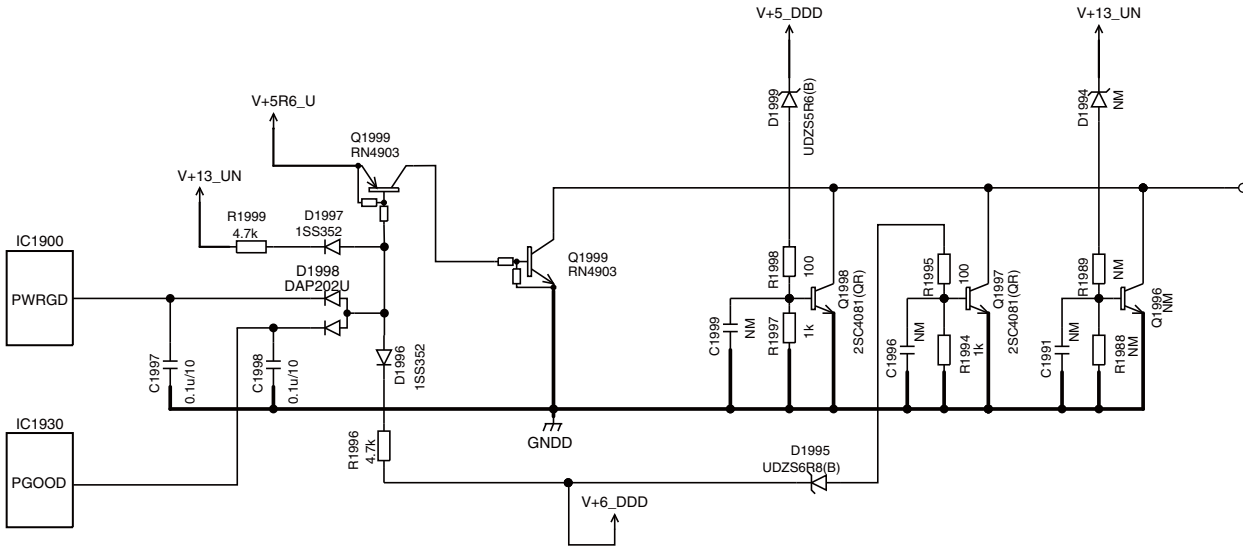
#### Amplifier Circuit

| Item   | Purpose   | Detection Method  | Status of Equipment  | Warning Indication               | Remarks   |
|--|---|---|--|----------------------------------|---|
| Overheat detection                             | Detects MOS FET temperature of amplifier output stage   | Detects when TEMPERR PORT becomes "L" in case of the detecting temperature exceeds 95°C or rapid change by short cuicuit of speaker terminals. (IC8001 72pin) | Shuts down.  | Blinks STANDBY/ON LED indicator. | Recoverable by power-on 1minute after shutdown  |
|  |   | Detects when MAXTEMP port becomes below 1.9V at NTC Thermistor detect circuit. (IC8001 2pin)  | Fan rotates during the Receiver power on.  |                                  | FAN control 1.9V>MAXTEMP: High rotation   |
| DC detection                                   | Detects DC of amplifier output (After LPF)  | Detects when SP output exceeds DC ± 7V and DCERR port becomes "L". (IC8001 80pin)   | MUTE on and Speaker Relay off.<br>Flashes "AMP ERR".<br>Shuts down when abnormality continues for more than 3 seconds. | Blinks ADVANCED MCACC LED        | In case of detecting DC abnormality during power-on sequence after the DC was once detected. Recoverable by only DC DETECT cancel.<br>Refer to "How to Enter Release Mode" next page. |
|  |   |   | MUTE on and Speaker Relay off.<br>Flashes "AMP ERR".<br>Shuts down when abnormality continues for more than 3 seconds. | Blinks STANDBY/ON LED indicator. | In case of detecting DC abnormality during normal operation. Recoverable by power-on after 1 minute.  |
| Fan abnormality detection                      | Detects a Fan not rotating by loose connector or Fan lock when controlling the Fan rotation   | Detects when FANDET port becomes "L". (IC8001 87pin)  | Flashes "FAN STOP"<br>Shuts down when abnormality continues for more than 3 seconds.                                   | Blinks PQLS LED                  | Recoverable by power-on   |
| Zobel detection                                | Protects overcurrent by Zobel Resistance when high power output of higher frequency continued | Detects OLERR port becomes "L". (IC8001 71pin)  | Shuts down   | Blinks iPod LED                  | Recoverable by power-on   |
| Overcurrent detection                          | Protects overcurrent of MOS FET in output stage when overcurrent flows at the output stage    | Detects OLERR port becomes "L". (IC8001 71pin)  | Shuts down   | Blinks iPod LED                  | Recoverable by power-on   |
| Low Voltage detection (Amplifier power supply) | Detects low voltage when amplifier power supply voltage (normally ± 64V) becomes below ± 42V  | Detects OLERR port becomes "L". (IC8001 71pin)  | Shuts down   | Blinks iPod LED                  | Recoverable by power-on   |
| Low Voltage detection (Modulator IC)           | Detects low voltage of modulator IC power supply (normally ± 5V) becomes below ± 2 - 3V       | No micro-computer detection exists.   | No micro-computer control but modulator IC stops by itself.  |                                  | Recoverable by power-on   |

# DIGITAL MAIN Power Supply Failure Detection

| Item  | Purpose   | Detection Method  | Status of Equipment | Warning Indication | Remarks |
|---|---|---|---------------------|--------------------|---------|
| DIGITAL MAIN power supply failure detection | Detect abnormal voltage in the Digital Power Supply circuit | Detect when XVDDERR port becomes "L" (*1). (IC8001 70pin) | Shuts down          | Blinks PQLS LED    |         |

## F DIGITAL MAIN ASSY



### (\*1) Conditions when XVDDERR becomes "L"

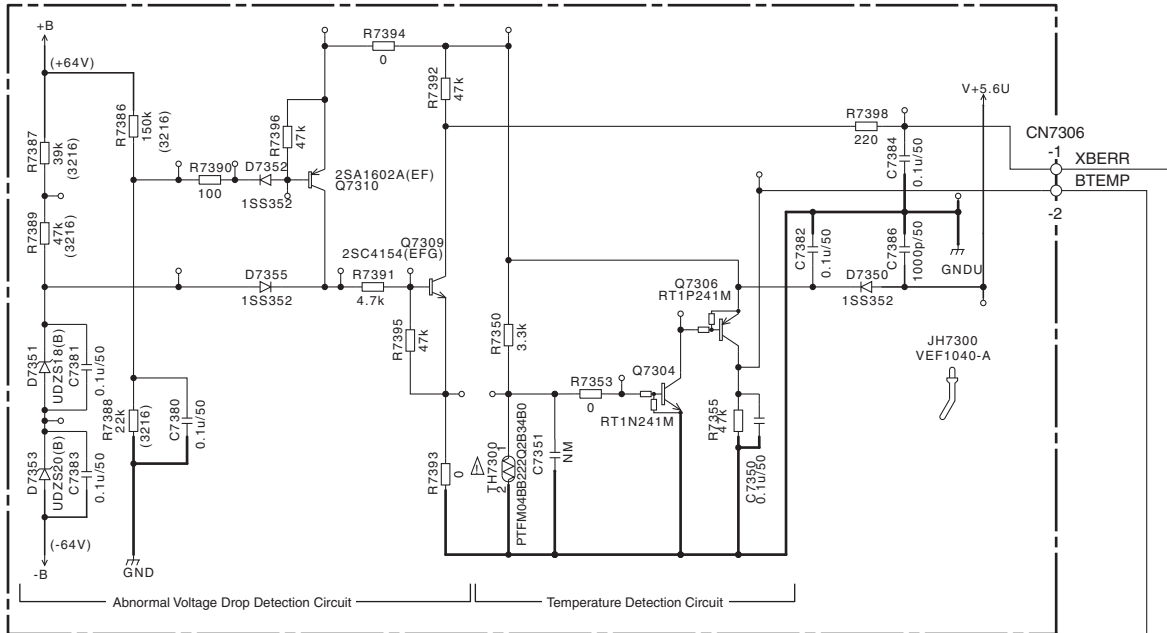
- Q1997 turns ON : When V+6DDD becomes higher than the setting value, Q1997 becomes ON.
- Q1998 turns ON : When V+5\_DDD becomes higher than the setting value, Q1998 becomes ON.
- Q1999 turns ON : When V+13\_UN becomes lower than 3.8V, Q1999 becomes ON.  
 When PWRGD of IC1900 becomes low (V+5HD becomes lower than the setting value), Q1999 becomes ON.  
 When PGOOD of IC1930 becomes low (V+1R8\_HHH or V+3R3\_HHH drift from the setting value), Q1999 becomes ON.  
 When V+6\_DDD becomes lower than 3.8V, Q1999 becomes ON.

### [How to Enter Release Mode]

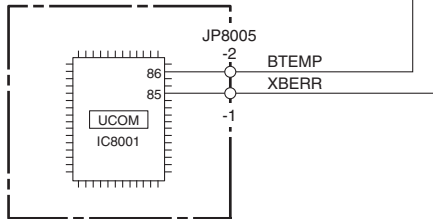
During Standby mode, simultaneously press and hold the "?" and "MULTI-ZONE ON/OFF" keys for 5 seconds.

**B REG Power Supply Overheat Detection**  
**B REG Power Supply Failure Detection**

**U B REG ASSY**

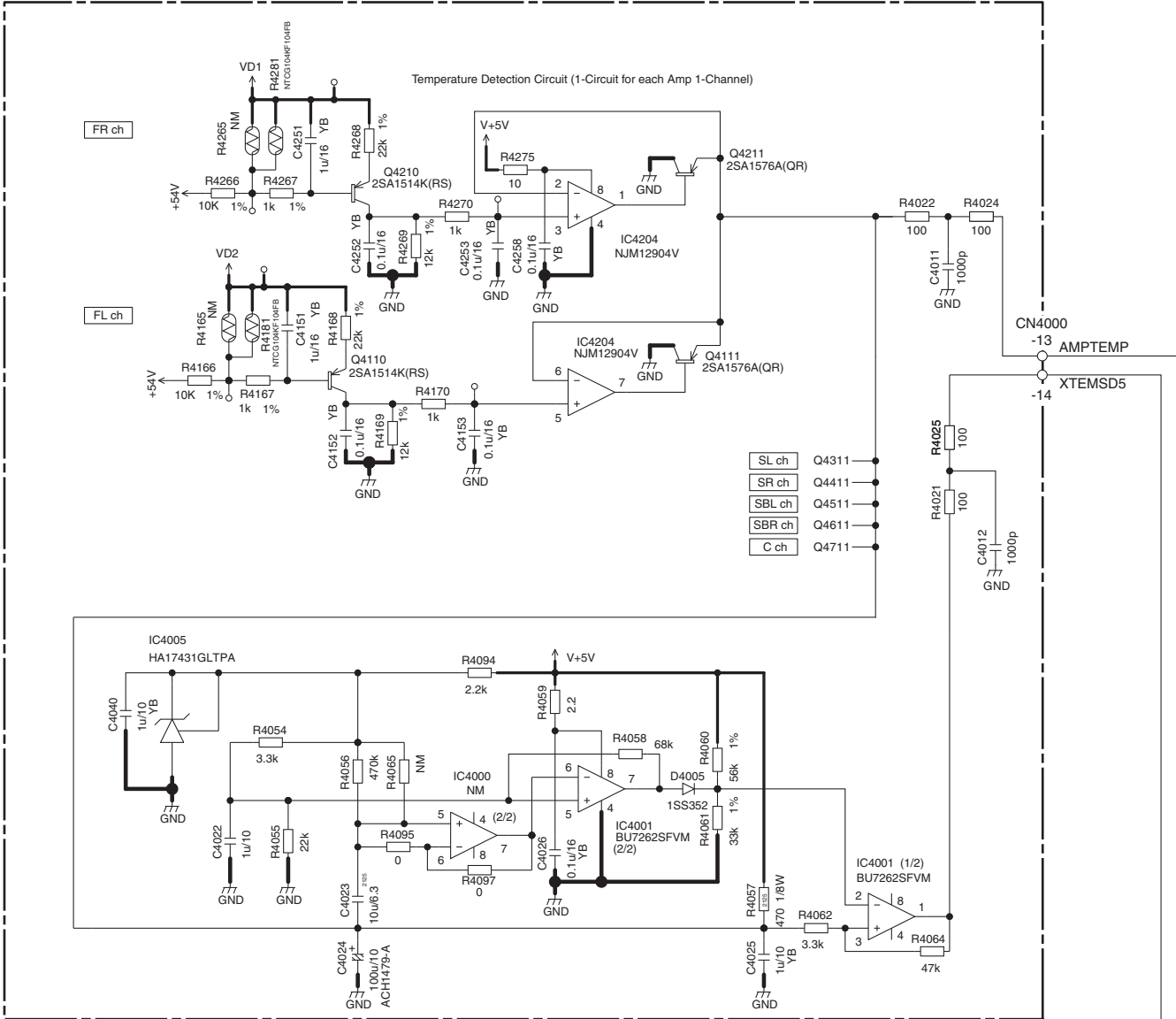


**K DISPLAY ASSY**



# Overheat Detection

## ICEPOWER AMP ASSY

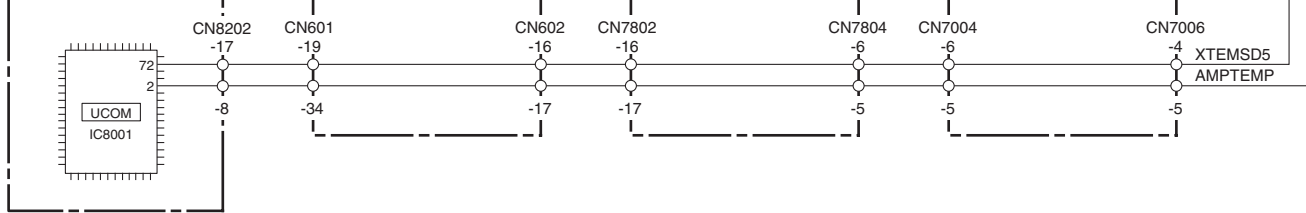


## K DISPLAY ASSY

## F DIGITAL MAIN ASSY

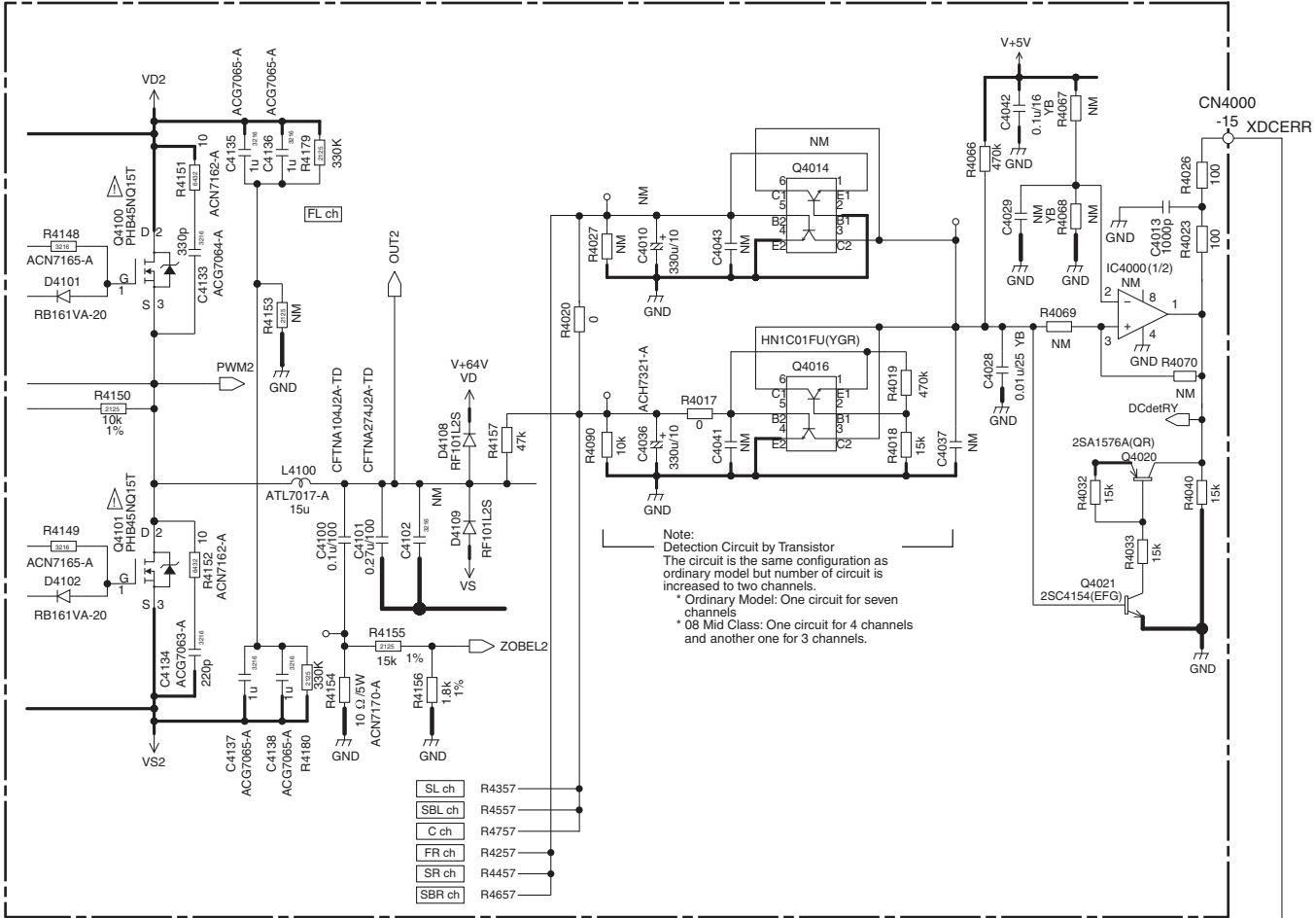
## W CONNECT ASSY

## G INTERFACE ASSY



### DC Detection

# P ICEPOWER AMP ASSY

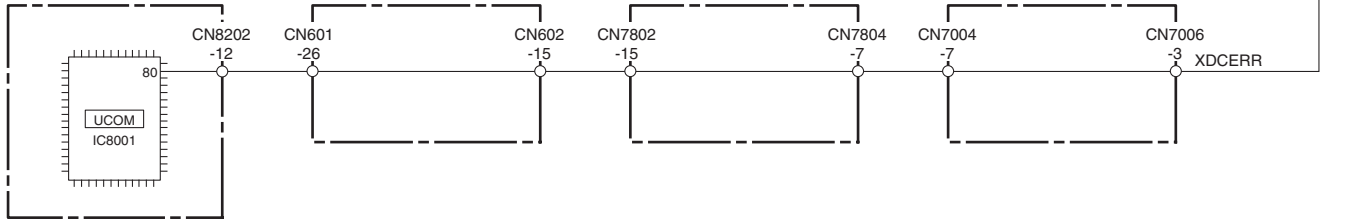


## K DISPLAY ASSY

## F DIGITAL MAIN ASSY

## W CONNECT ASSY

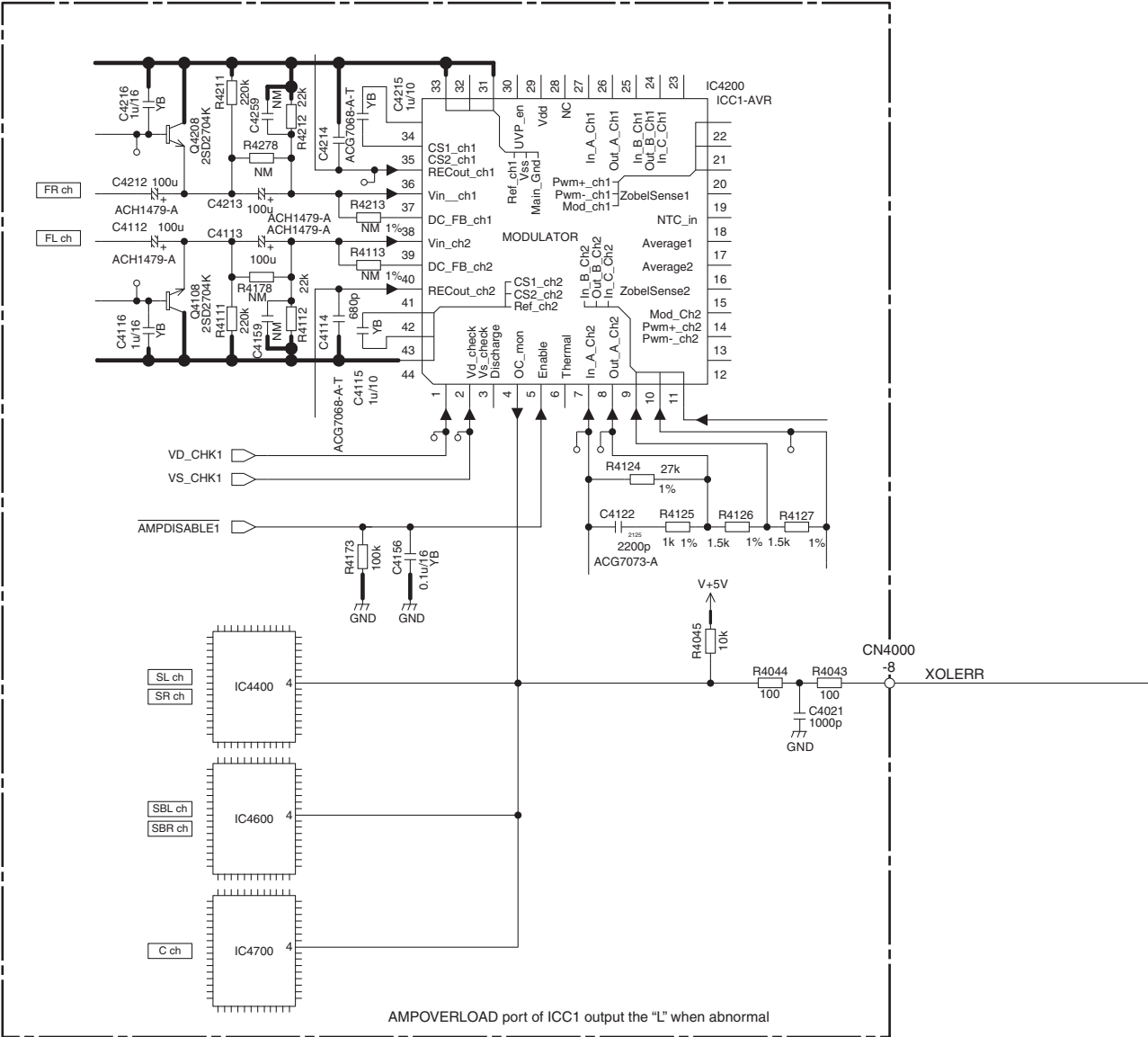
## G INTERFACE ASSY



### Zobel Detection

### Over Current Detection of MOS FET in Output Stage

## ICEPOWER AMP ASSY

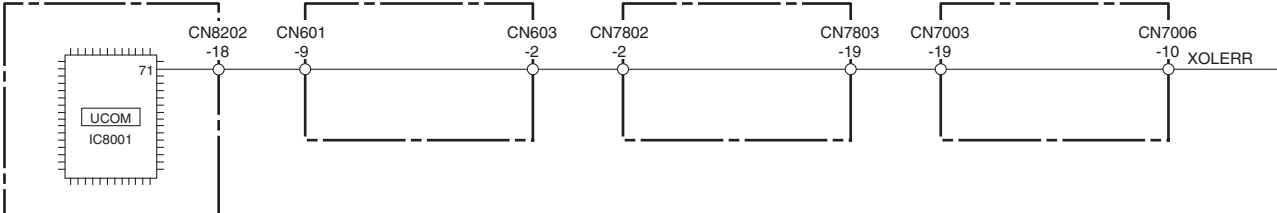


## K DISPLAY ASSY

## F DIGITAL MAIN ASSY

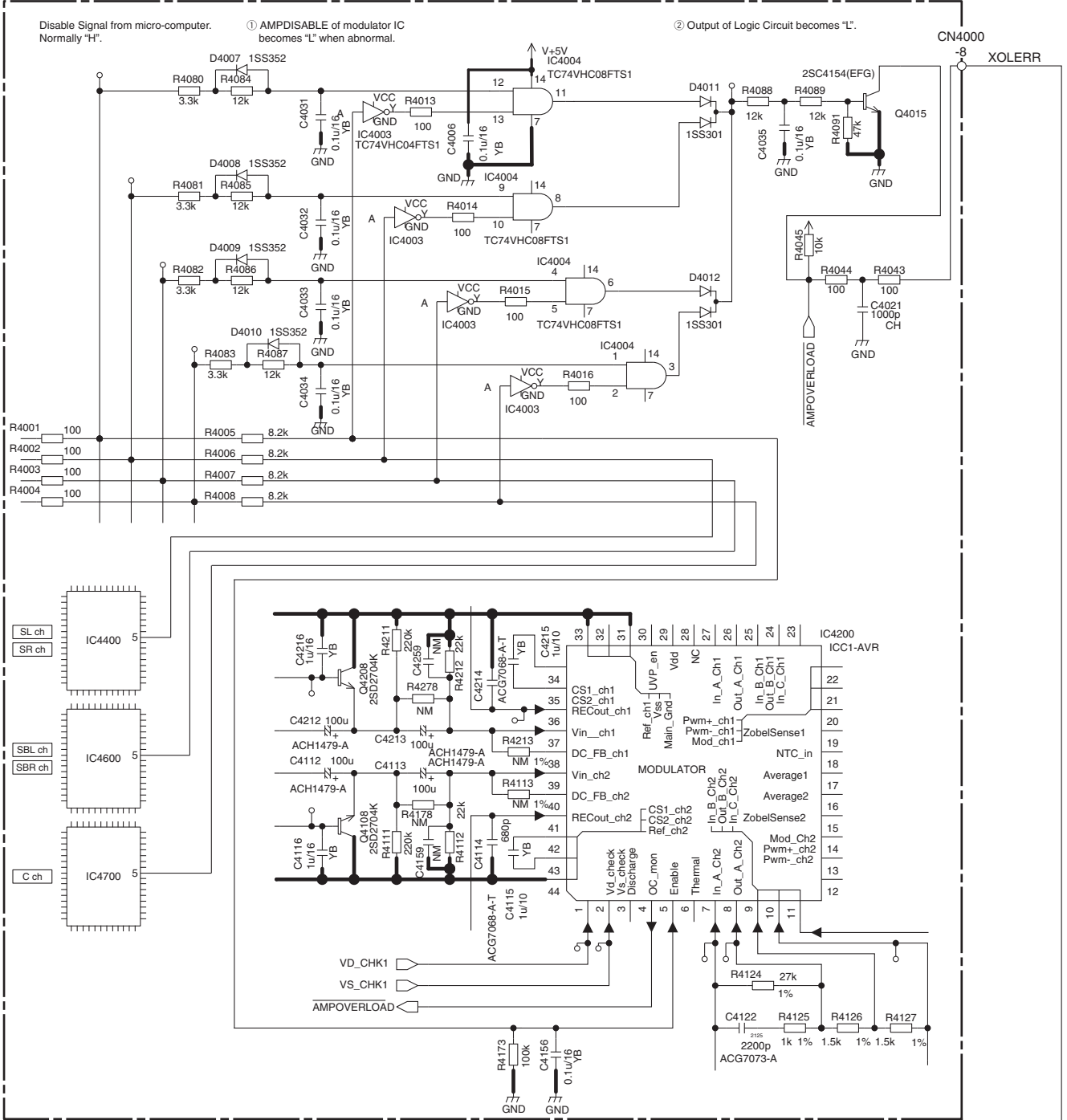
## W CONNECT ASSY

## G INTERFACE ASSY



# Low Voltage Detection for Amplifier Power Supply

## ICEPOWER AMP ASSY

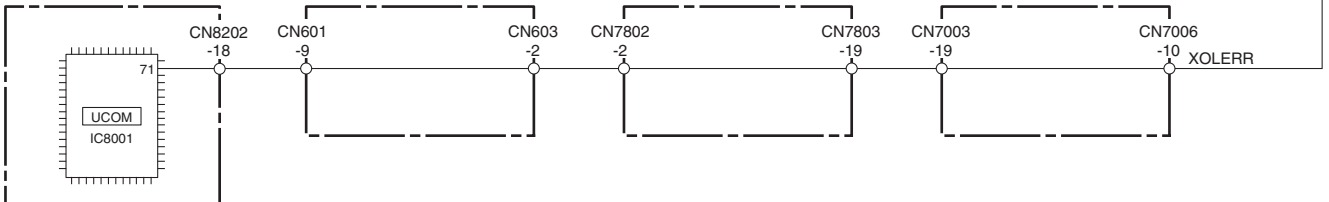


### K DISPLAY ASSY

### F DIGITAL MAIN ASSY

### W CONNECT ASSY

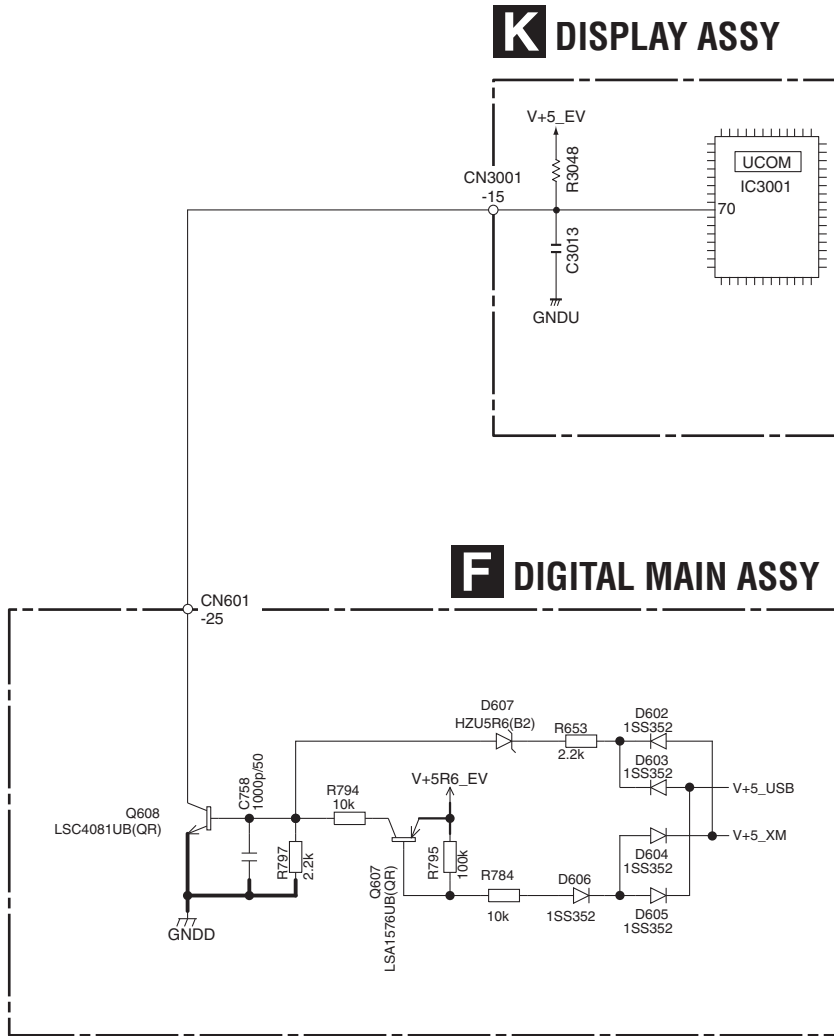
### G INTERFACE ASSY



### [2] Protection Circuit Process List (XVDDERR)

| Item                           | Purpose  | Detection Method  | Status of Equipment | Warning Indication | Remarks                            |
|--------------------------------|--|---|---------------------|--------------------|------------------------------------|
| USB/XM power failure detection | Detection of failure in regulator circuit for USB/XM external supply | Detected when USB(XM) voltage reaches 7V or higher, or 4.1V or lower and XVDDERR port is set to "L" | Shuts down          | Blinks PQLS        | Restoration possible with Power ON |

### XVDDERR Circuit



### [3] Error Indications

|     | FL Display   | LED flashes | Status   | Timing (sec.)        | Description   | Remarks                             |
|-----|--------------|-------------|--|----------------------|---|-------------------------------------|
| (1) | Over Current | NA          | When the overload USB device (over 500 mA) is connected. |                      | The connected USB device is overload.   |                                     |
| (2) | HDCP ERROR   | NA          | When an HDCP ERROR is detected.                          | Flashes 5 seconds    |   | Warning indication for HDMI Simplay |
| (3) | 12V TRG ERR  | NA          | When the 12V trigger circuit is short-circuited.         | Flashes              | The 12V trigger circuit is short-circuited, and a overcurrent is generated.   |                                     |
| (4) | NA           | NA          | When the ANALOG INPUT OVER is detected.                  | Icon lights 1 second | While the Icon lights 1 second, when the ANALOG INPUT OVER is detected again, the Icon continues to light 1 second more from that time.<br>While the Icon lights 1 second, when there is no ANALOG INPUT OVER detection, the Icon stops lighting and returns to normal display. | The Icon "OVER" lights              |

# 6. SERVICE MODE

## 6.1 TEST MODE

### A [1] Detected protection history

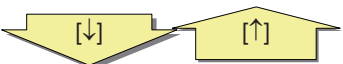
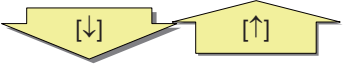
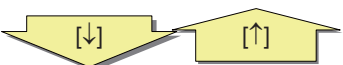
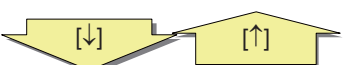
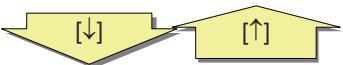
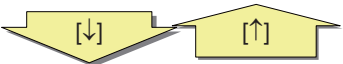
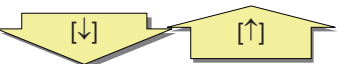
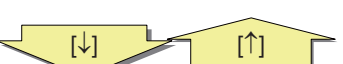
#### [Purpose]

The numbers of detections for various protection processes are displayed.

#### [How to enter/exit]

Turn off the power to this unit by setting the main volume level to “---dB” and Multi-zone to “OFF”. During Standby mode, simultaneously press and hold “MULTI-ZONE ON/OFF” and “ENTER” keys for 5 seconds to enter this mode.

#### [Basic operations]

| Key operation  | FL display |
|--|------------|
| B<br>Display number of times DC is detected.<br>   | DC : ***   |
| Display number of times OVERLOAD is detected.<br>  | OL : ***   |
| C<br>Display number of times COMBINATION is detected.<br>(Detects DC and OVERLOAD simultaneously)<br> | COM : ***  |
| Display number of times FAN STOP is detected.<br>  | FAN : ***  |
| D<br>Display number of times AMP overheat is detected.<br>   | STMP : *** |
| Display number of times Digital Power abnormality is detected.<br>                                   | DERR : *** |
| E<br>Display number of times B REG power supply overheat is detected.<br>                            | BTMP : *** |
| F<br>Display number of times B REG power supply failure is detected.<br>                             | BERR : *** |

#### Front Panel Key

- [↓] : TUNE Key
- [↑] : TUNE Key
- [←] : PRESET Key
- [→] : PRESET Key

| Key operation                                    | FL display              |
|--|-------------------------|
| Resetting the number of times error is detected. | RESET ◀HOLD▶            |
| [↓] [↑]  |                         |
| Display accumulated time & RESET.                | 1 2 3 4 5 h 2 0 m ◀HLD▶ |
| [↓] [↑]  |                         |
| Display CEC(TEST) state.                         | CEC ◀OFF▶               |
| [↓] [↑]  |                         |
| Display FAN(TEST) state.                         | FAN ◀OFF▶               |
| [↓] [↑]  |                         |
| USB Backup state                                 | USB BAK ◀HOLD▶          |
| [↓] [↑]  |                         |
| Change cyclically                                |                         |

Resetting the number of times error is detected

| Key operation | FL display     |
|---------------|----------------|
| [←][→]        | RESET ◀CLEAR?▶ |
| [ENTER]       | RESET ◀RESET▶  |
| Continued     |                |

Resetting the accumulated time

| Key operation | FL display              |
|---------------|-------------------------|
| [←][→]        | 1 2 3 4 5 h 2 0 m ◀CL?▶ |
| [ENTER]       | 0 h 0 m ◀RST▶           |
| Continued     |                         |

Display CEC(TEST) state.

| Key operation     | FL display |
|-------------------|------------|
| [←][→]            | CEC ◀ON▶   |
| Change cyclically |            |

| Key operation     | FL display |
|-------------------|------------|
| [←][→]            | FAN ◀ON▶   |
| Change cyclically |            |

Saving and Loading of USB backup state.

| Key operation     | FL display                              |
|-------------------|---|
| [←][→]            | (A/V Receiver → USB)<br>USB BAK ◀SAVE?▶ |
| [←][→]            | (USB → A/V Receiver)<br>USB BAK ◀LOAD?▶ |
| Change cyclically |   |

| Key operation                          | FL display  |
|--|-------------|
| [ENTER]                                | PLEASE WAIT |
| SAVE or LOAD is completed.             | COMPLETE    |
| ↓ 5 sec<br>Power OFF<br>(All zone OFF) |             |

**[Description]**

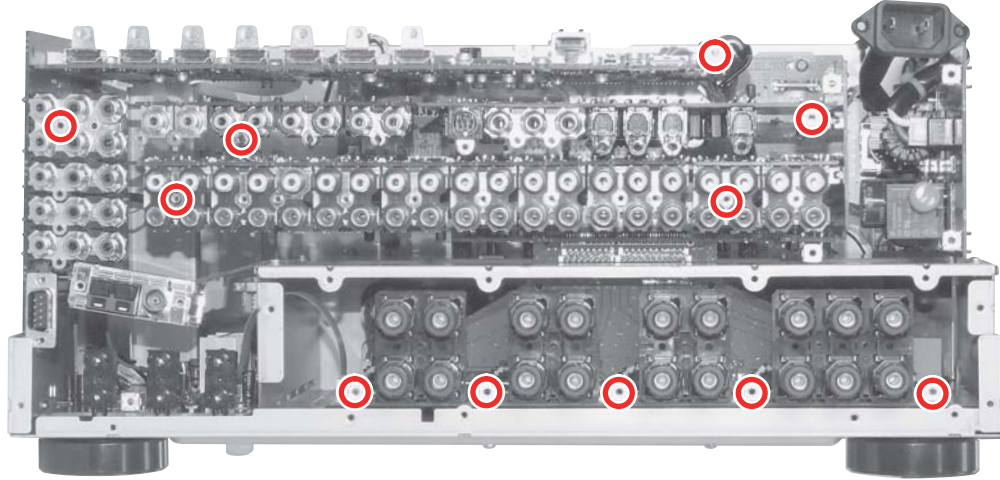
CEC TEST : The function for making the HDMI output terminal to output 1 kHz square wave. If the square wave is output, the CEC line is considered to be normal.

FAN TEST : The function for making the FAN to be forced to rotate.

# 7. DISASSEMBLY

## Ground Points

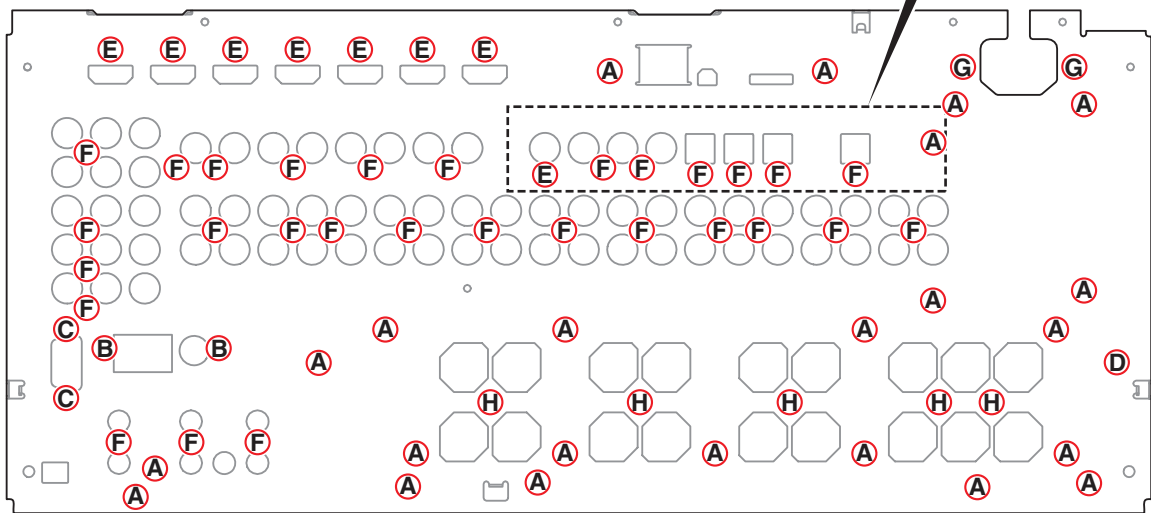
**Note:**  
 The points marked below must be grounded when the rear panel is removed.  
 Before turning the unit ON, be sure to ground the marked points with the chassis. Or, you may short-circuit the ground points on the solder surface, using pieces of wire.



## Screws for Rear Panel

|                           |                           |                           |                           |
|---------------------------|---------------------------|---------------------------|---------------------------|
| <b>A</b> ABA1011<br>      | <b>B</b> ABA1207<br>      | <b>C</b> ABA7078<br>      | <b>D</b> BBZ30P060FCC<br> |
| <b>E</b> BMZ30P040FTB<br> | <b>F</b> BPZ30P080FTB<br> | <b>G</b> CBZ30P080FTB<br> | <b>H</b> BPZ30P100FTC<br> |

SC-35/UXJCB, SC-1525-K/CUXJ only



**Note :**

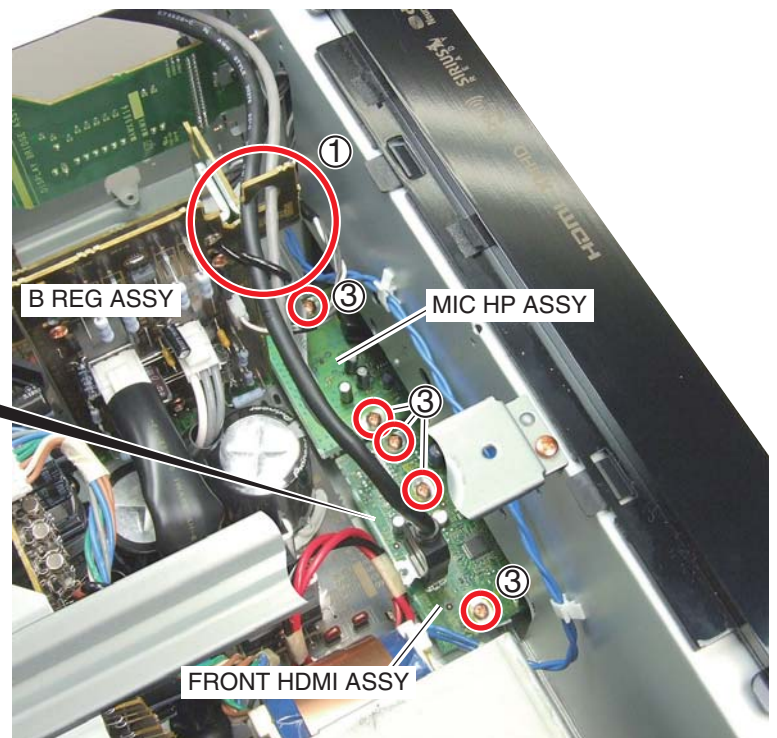
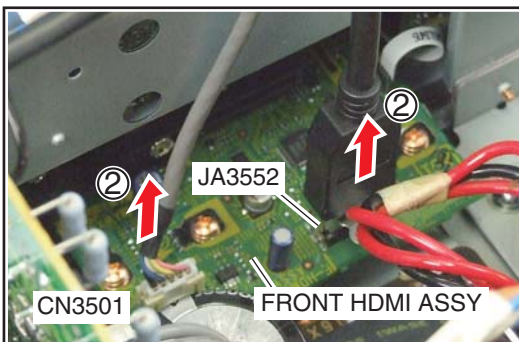
- (1) Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.
- (2) For performing the diagnosis shown below, the following jigs for service is required.
  - 39P FFC (GGD1679)
  - 15P FFC (GGD1680)
  - 30P board to board extension jig cable (GGD1682) x 2
  - 24P + 14P board to board extension jig cable (GGD1683)
  - 21P + 15P board to board extension jig cable (GGD1679)
  - 20P + 20P board to board extension jig cable (GGD1677)
  - 19P board to board extension jig cable (GGD1577)
  - 5P PH Housing Assy (GGD1594)
- (3) **Before starting the diagnosis, wait for three minutes until the electricity of the unit is discharged.**

**Disassembly****[1] Front Section**

Remove the Bonnet by removing the 22 screws.

**[1-1] Front Section**

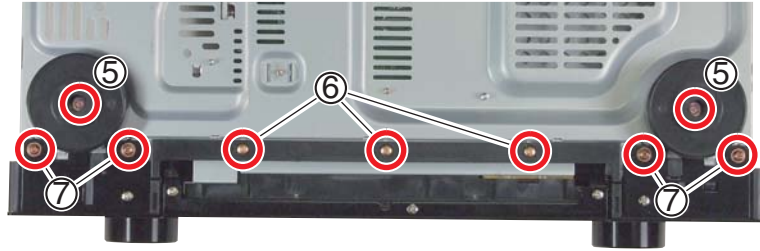
- (1) Release the two cables from the B REG ASSY.
- (2) Disconnect the two connectors.
- (3) Remove the five screws. (BBZ30P060FCC)



- (4) Remove the three screws. (BBT30P080FCC)



- A (5) Remove the two screws (ABA7149) and the two Insulators.
- (6) Remove the three screws. (BBZ30P060FCC)
- (7) Remove the fore screws. (ABA1193)



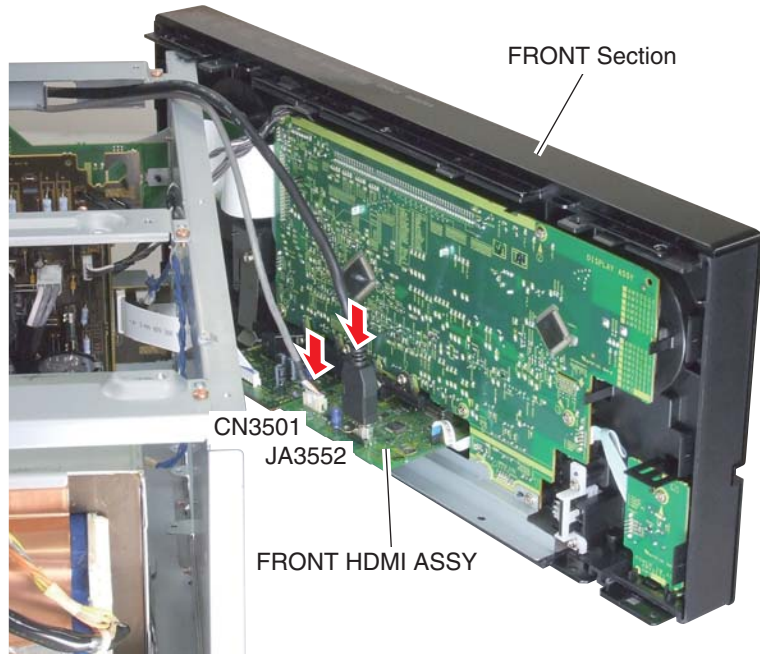
- B (8) Unhook the fore hooks.
- (9) Remove the Front Section.



- C
- [1-2] **Diagnosis**
- (1) Connect the two connectors.
- (2) Arrange the unit as shown in the photo below.
- D



FRONT Section



FRONT Section

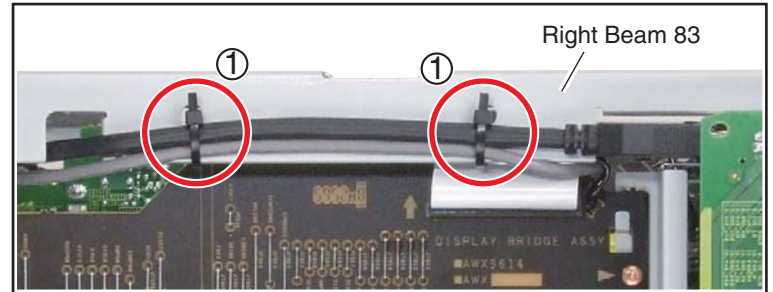
CN3501  
JA3552

FRONT HDMI ASSY

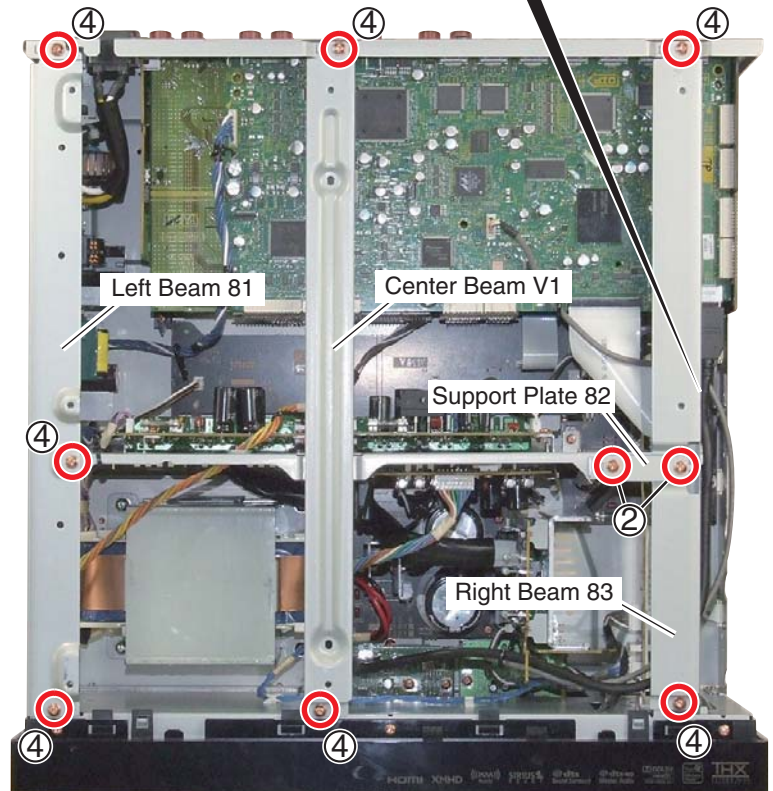
## [2] Exterior Section

Remove the Bonnet by removing the 22 screws.

(1) Cut the two binders.



- (2) Remove the two screws. (BBZ30P060FCC)
- (3) Remove the Support Plate 82.
- (4) Remove the seven screws. (BBZ30P060FCC)
- (3) Remove the Left Beam 81, Center Beam V1 and Right Beam 83.

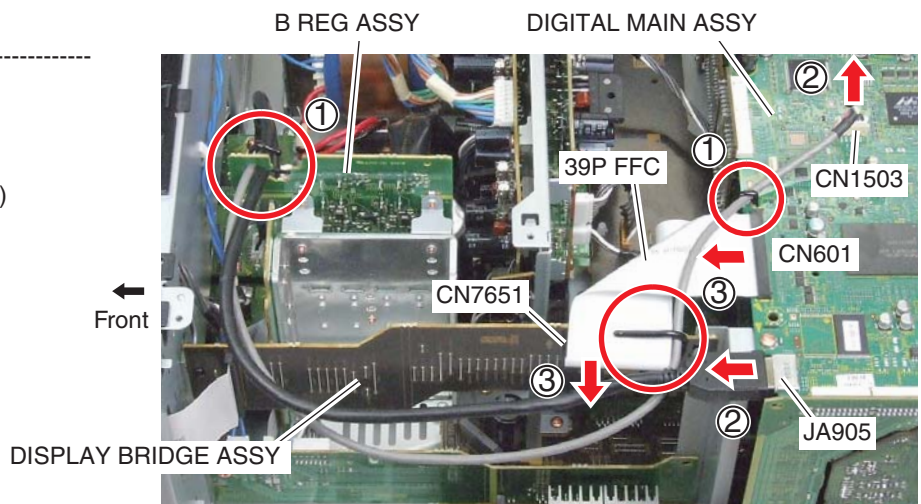


## [3] Rear Section

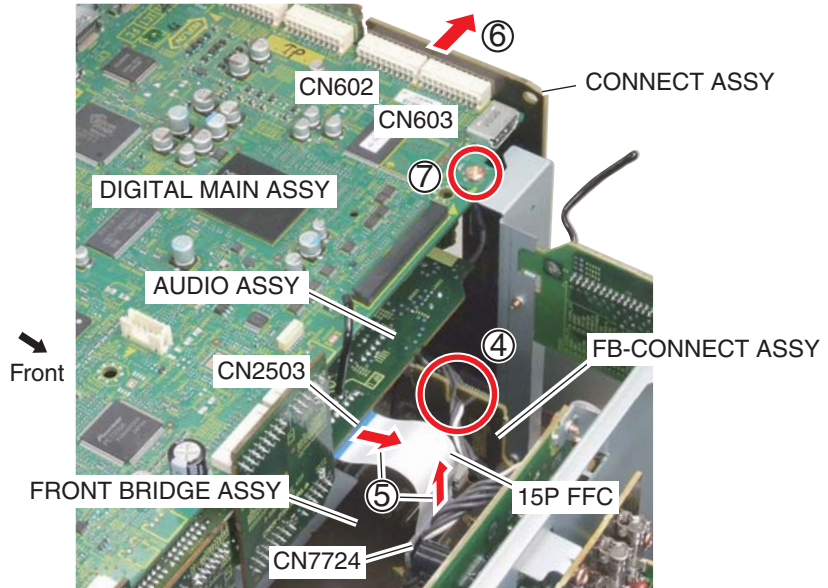
- (1) Remove the Exterior Section. (Refer to the "[2] Exterior Section")

### [3-1] Rear Section

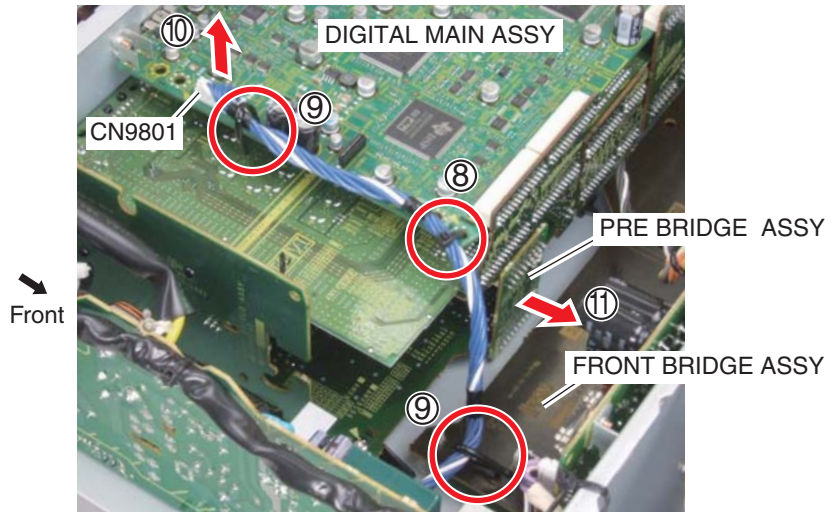
- (1) Release the cables, as required.
- (2) Disconnect the tow connectors.
- (3) Disconnect the 39P FFC. (ADD7726)



- A (4) Release the jumper wire from the FB-CONNECT ASSY.
- (5) Disconnect the 15P FFC. (ADD7725)
- (6) Disconnect the tow connectors.
- (7) Remove the one screw. (BBZ30P060FCC)



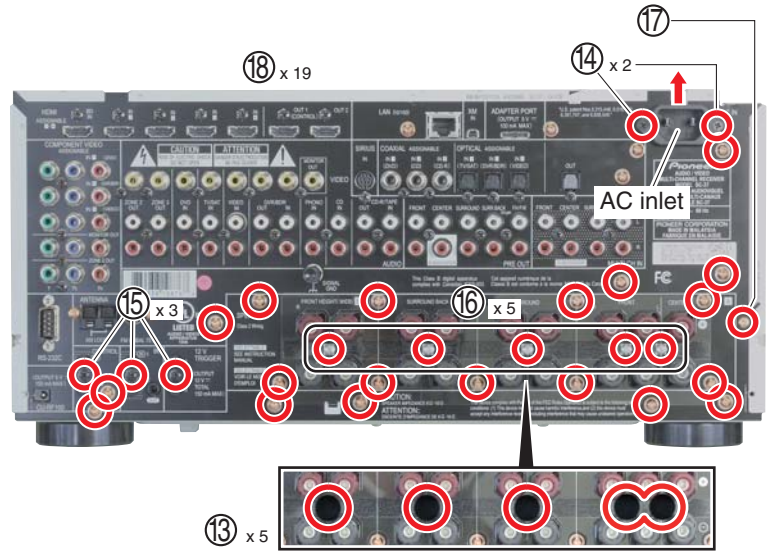
- B
- C (8) Cut the binder.
- (9) Release the jumper wire, as required.
- (10) Disconnect the jumper wire.
- (11) Remove the PRE BRIDGE ASSY.



- D
- E (12) Disconnect the tow connectors.

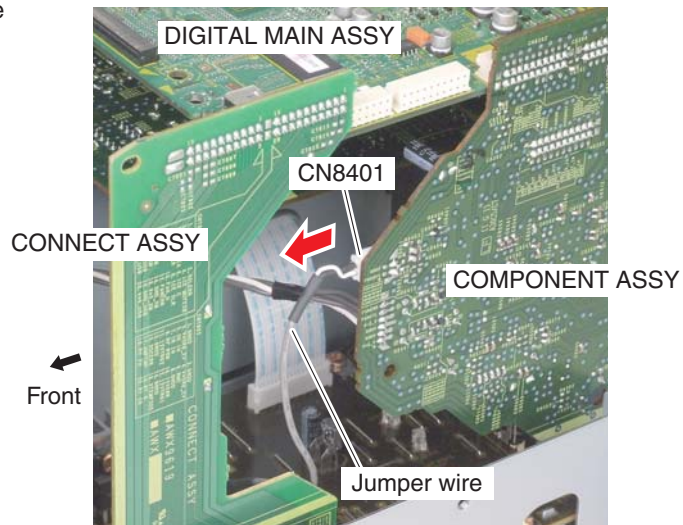


- (13) Remove the five Cushion Circle 14B.
- (14) Remove the two screws (CBZ30P080FTB) then remove the AC inlet.
- (15) Remove the three screws. (BPZ30P080FTB)
- (16) Remove the five screws. (BPZ30P100FTC)
- (17) Remove the one screw. (BBZ30P060FCC)
- (18) Remove the 19 screws. (ABA1011)



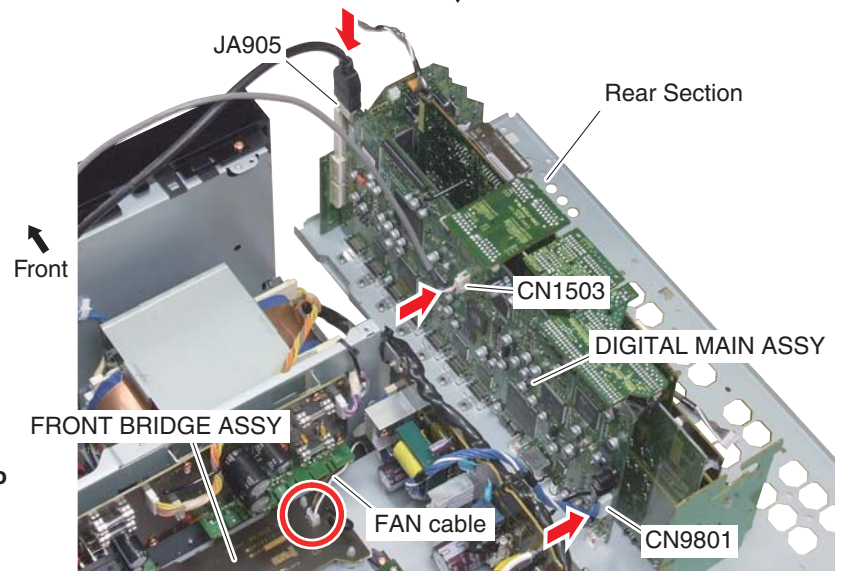
- (19) Remove the Rear Section.

**Note:** Also disconnect the jumper wire from the COMPONENT ASSY.



**[3-2] Diagnosis**

- (1) Connect the three cables to the DIGITAL MAIN ASSY.



**Note:** When diagnosing, it is not necessary to connect FAN cable (FRONT BRIDGE ASSY: CN7726).

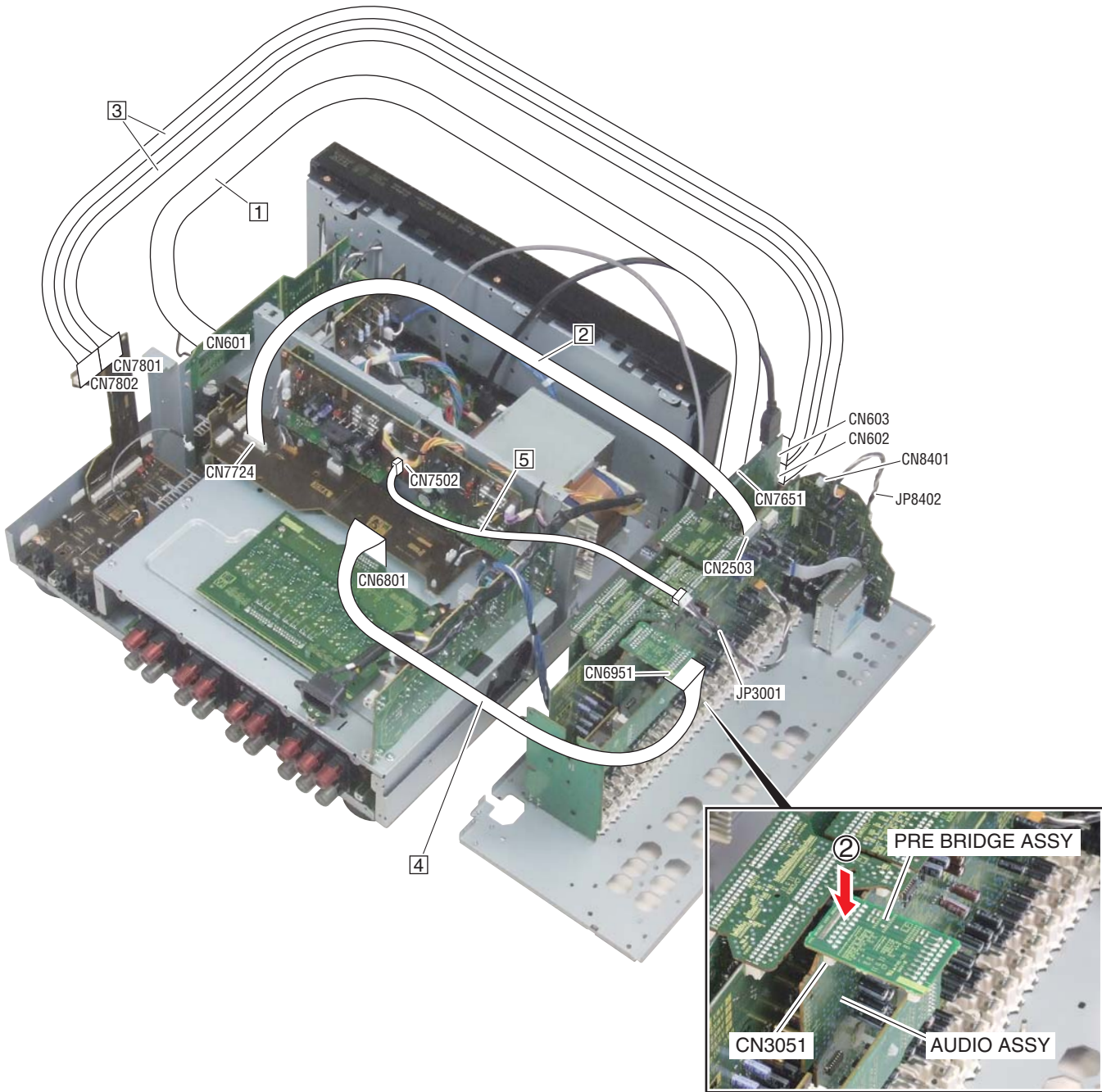
- A (2) Connect the PRE BRIDGE ASSY to the AUDIO ASSY.
- (3) Connect the six extension jig cables.
- (4) Connect the Rear Panel to the Chassis Ground. (Refer to the "Ground points.")
- (5) Arrange the unit as shown in the photo below.

B

C

D

E



F

| No. | Jig Cable                                    | Part No. | Assy         |        |     | Assy   |                | Remarks         |
|-----|--|----------|--------------|--------|-----|--------|----------------|-----------------|
| 1   | 39P FFC                                      | GGD1681  | DIGITAL MAIN | CN601  | <-> | CN7651 | DISPLAY BRIDGE | System control  |
| 2   | 15P FFC                                      | GGD1680  | AUDIO        | CN2503 | <-> | CN7724 | FRONT BRIDGE   | Front I/O check |
| 3   | 20P + 20P board to board extension jig cable | GGD1677  | DIGITAL MAIN | CN602  | <-> | CN7802 | CONNECT        | Video           |
|     |  |          | DIGITAL MAIN | CN603  | <-> | CN7801 | CONNECT        | Video           |
| 4   | 19P board to board extension jig cable       | GGD1577  | PRE BRIDGE   | CN6951 | <-> | CN6801 | ICE BUFFER     | Audio           |
| 5   | 5P PH Housing                                | GGD1594  | AUDIO        | JP3001 | <-> | CN7502 | REG            | Power supply    |

**Note:** When diagnosing by the above stile, it is not necessary to connect CN8401 and JP8402 on COMPONENT ASSY.

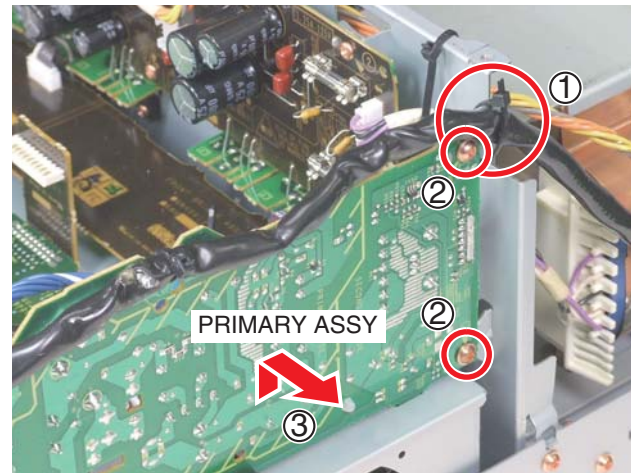
#### [4] ICE Section

- (1) Remove the Exterior Section.  
(Refer to the "[2] Exterior Section")
- (2) Remove the Rear Section.  
(Refer to the "[3-1] Rear Section")

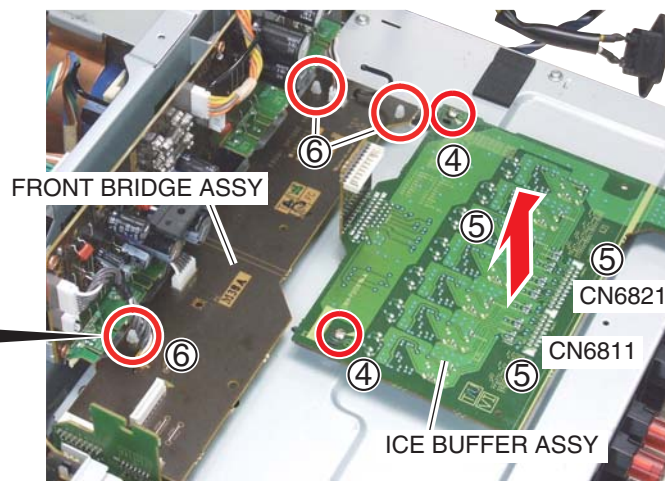
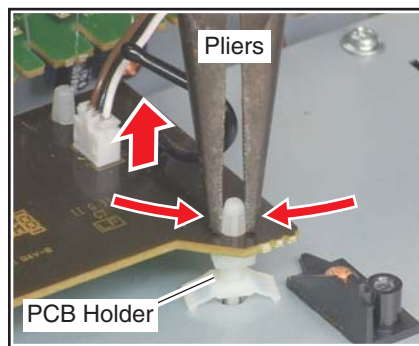
##### [4-1] ICE Cover 83

- (1) Cut the binder.
- (2) Remove the two screws. (ABA1011)
- (3) Remove the PRIMARY ASSY.

Front

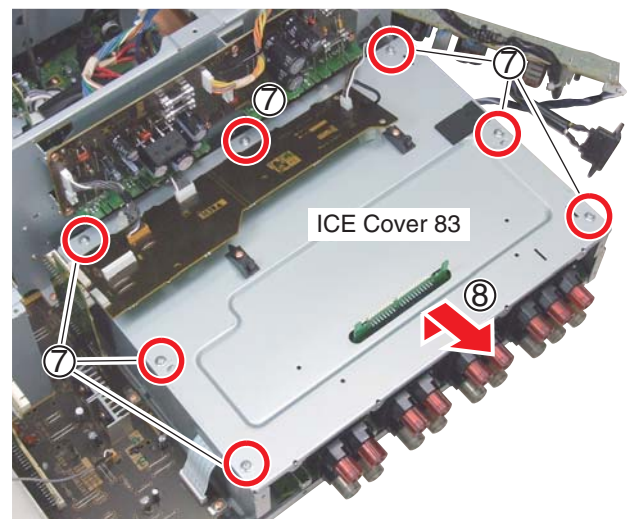


- (4) Remove the two screws. (BPZ30P080FNI)
- (5) Disconnect the two connectors and then remove the ICE BUFFER ASSY.
- (6) Remove the FRONT BRIDGE ASSY from the three PCB Holder using Pliers.



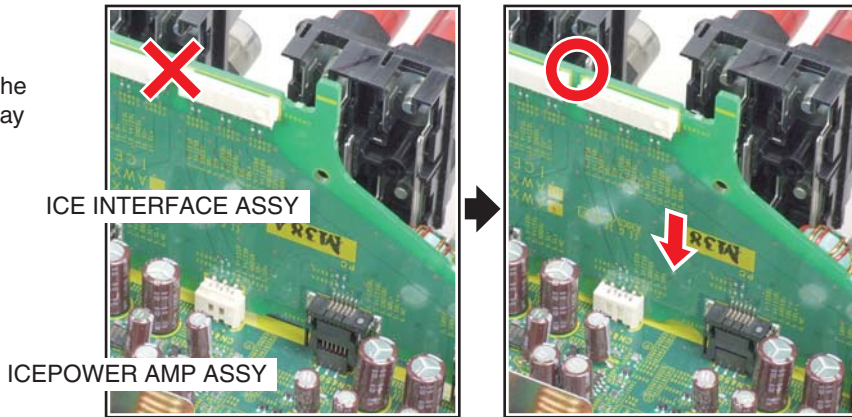
- (7) Remove the seven screws. (AMZ30P060FTC)
- (8) Remove the ICE Cover 83.

**Note:** To attach the ICE Cover 83 in the correct position, refer to step (9) and subsequent steps in it, "Attachment of ICE Amplifier block".

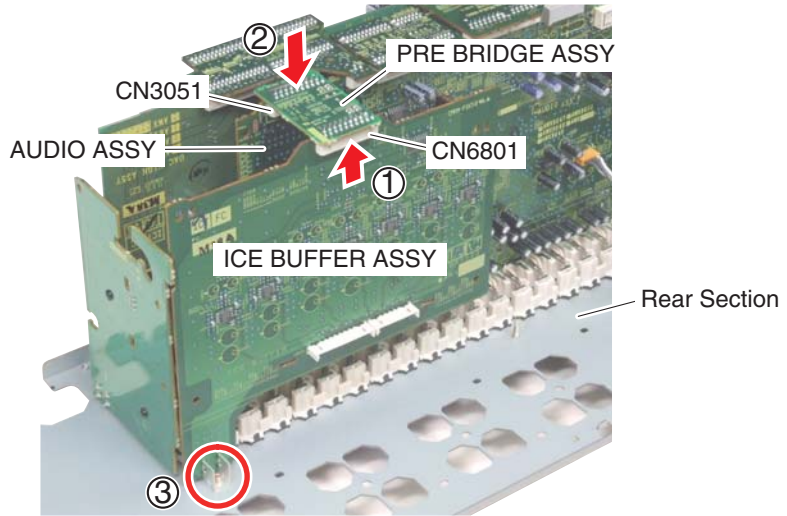


A [4-2] Diagnosis

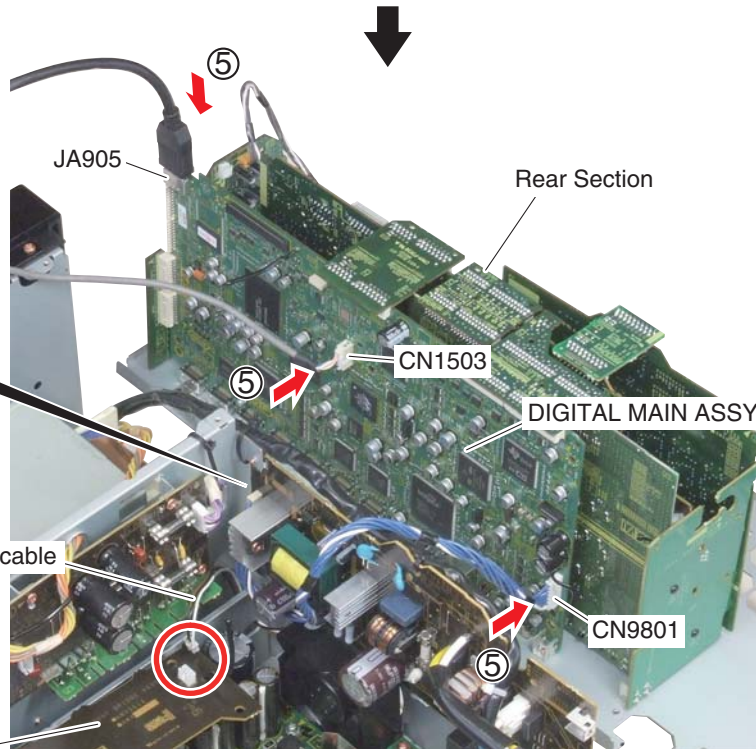
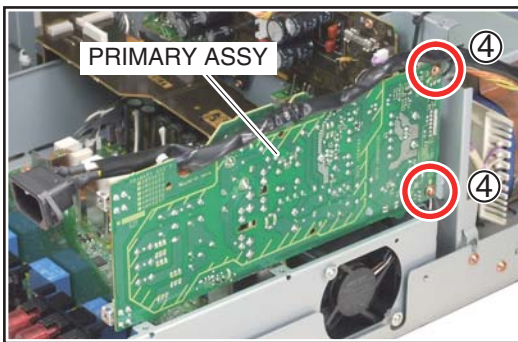
**Note:** If the ICE BUFFER ASSY is removed, the connectors of ICE INTERFACE Assy may be loosened. Attach the connectors securely.



- (1) Connect the ICE BUFFER ASSY to the PRE BRIDGE ASSY.
- (2) Connect the PRE BRIDGE ASSY to the AUDIO ASSY.
- (3) Attach the screw. (ABA1011)



- (4) Temporarily attach the PRIMARY ASSY, using the two screws. (ABA1011)

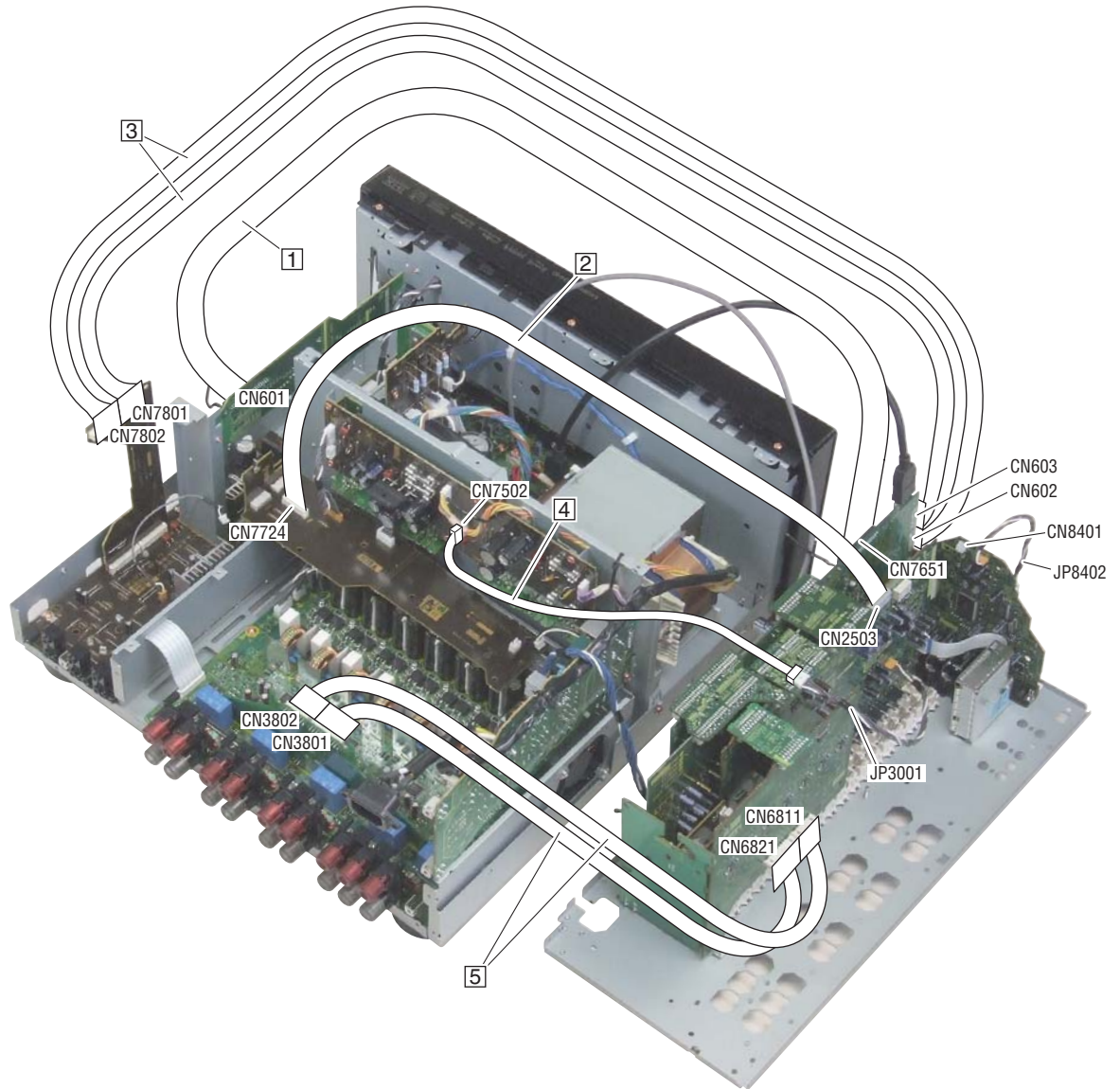


- (5) Connect the three cables to the DIGITAL MAIN ASSY.

**Note:** When diagnosing, it is not necessary to connect FAN cable (FRONT BRIDGE ASSY: CN7726).

FRONT BRIDGE ASSY

- (6) Connect the seven extension jig cables.  
 (7) Connect the Rear Panel to the Chassis Ground. (Refer to the "Ground points.")  
 (8) Arrange the unit as shown in the photo below.



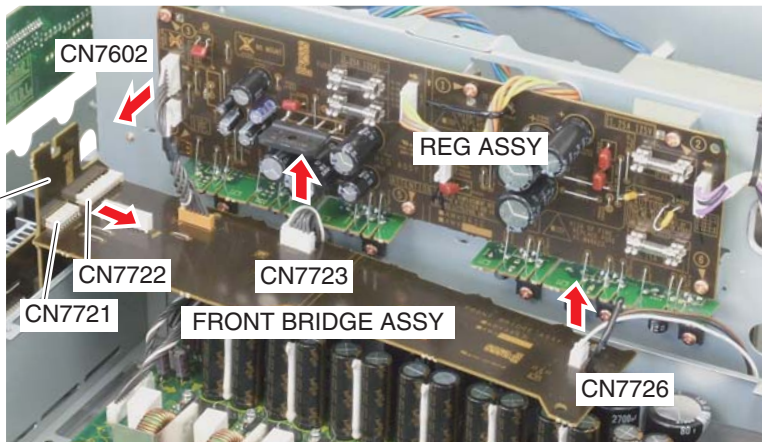
| No. | Jig Cable                                    | Part No. | Assy          |        |    | Assy   |                | Remarks         |
|-----|--|----------|---------------|--------|----|--------|----------------|-----------------|
| 1   | 39P FFC                                      | GGD1681  | DIGITAL MAIN  | CN601  | <> | CN7651 | DISPLAY BRIDGE | System control  |
| 2   | 15P FFC                                      | GGD1680  | AUDIO         | CN2503 | <> | CN7724 | FRONT BRIDGE   | Front I/O check |
| 3   | 20P + 20P board to board extension jig cable | GGD1677  | DIGITAL MAIN  | CN602  | <> | CN7802 | CONNECT        | Video           |
|     |  |          | DIGITAL MAIN  | CN603  | <> | CN7801 | CONNECT        | Video           |
| 4   | 5P PH Housing                                | GGD1594  | AUDIO         | JP3001 | <> | CN7502 | REG            | Power supply    |
| 5   | 21P + 15P board to board extension jig cable | GGD1679  | ICE INTERFACE | CN3801 | <> | CN6821 | ICE BUFFER     | Audio           |
|     |  |          | ICE INTERFACE | CN3802 | <> | CN6811 | ICE BUFFER     | Audio           |

**Note:** When diagnosing by the above stile, it is not necessary to connect CN8401 and JP8402 on COMPONENT ASSY.

A [4-3] Remove the ICE Amplifier Block

(1) Disconnect the five connectors and then remove the FRONT BRIDGE ASSY.

FB-CONNECT ASSY



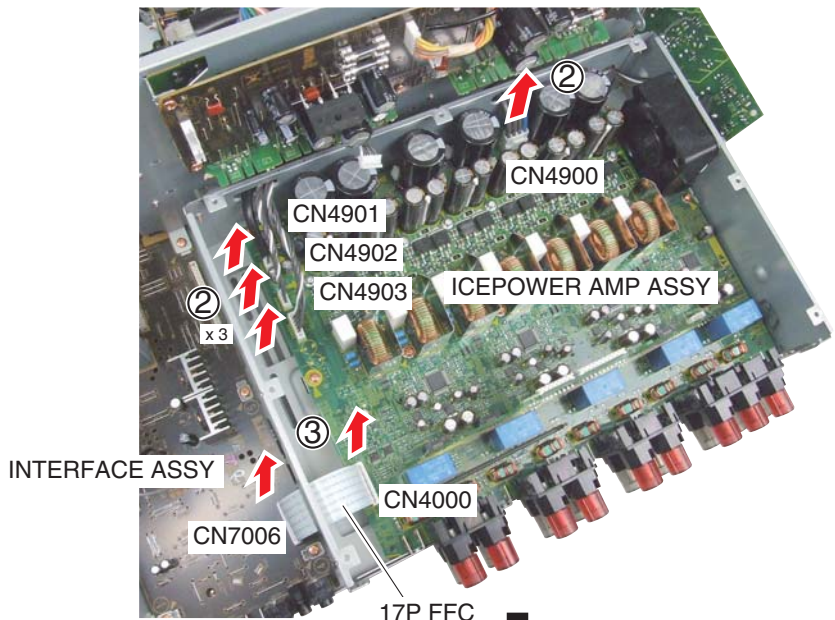
B

Front



(2) Disconnect the four connectors.  
(3) Disconnect the 17P FFC (ADD7647).

C

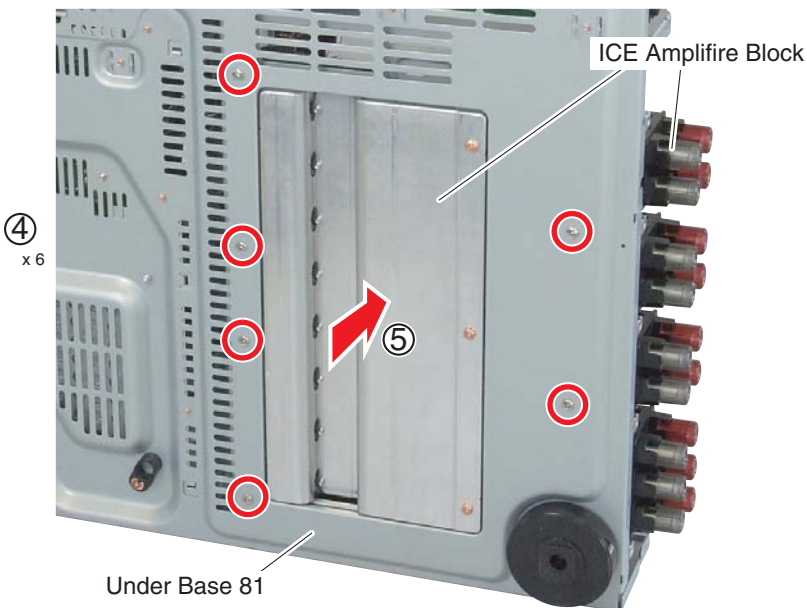


D



(4) Remove the six screws. (BPZ30P080FNI)  
(5) Remove the ICE Amplifier Block.

E



F

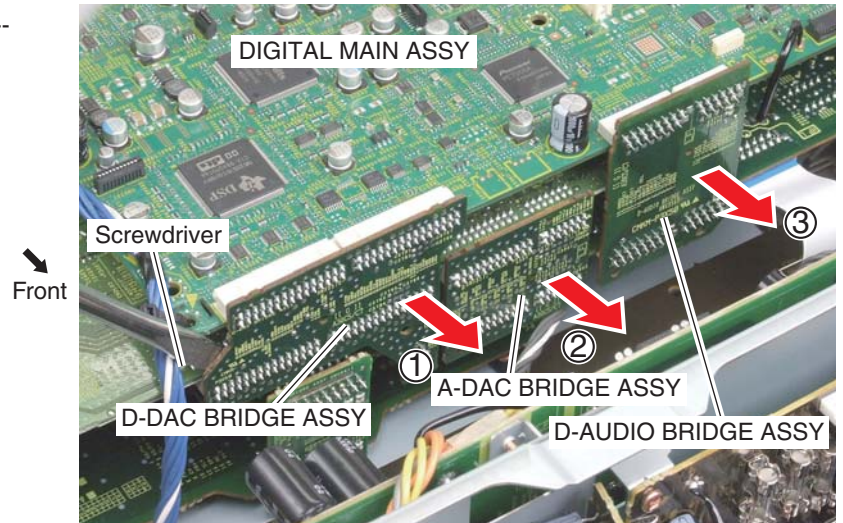
## [5] DAC HIGH ASSY (SC-37/UXJCB), DAC LOW ASSY (SC-35/UXJCB, SC-1525-K/CUXJ)

Photo is the case of DAC HIGH ASSY (SC-37/UXJCB).

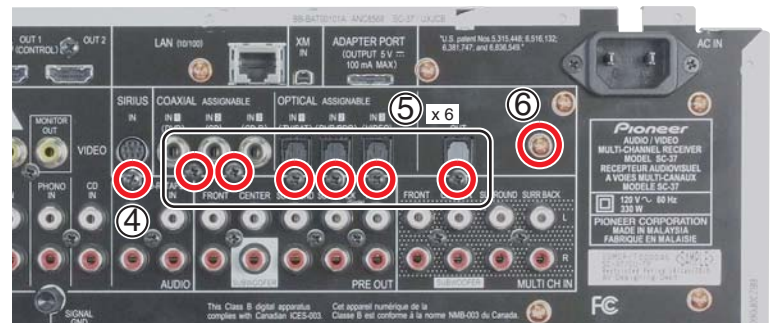
- (1) Remove the Exterior Section.  
(Refer to the "[2] Exterior Section")

### [5-1] Exterior

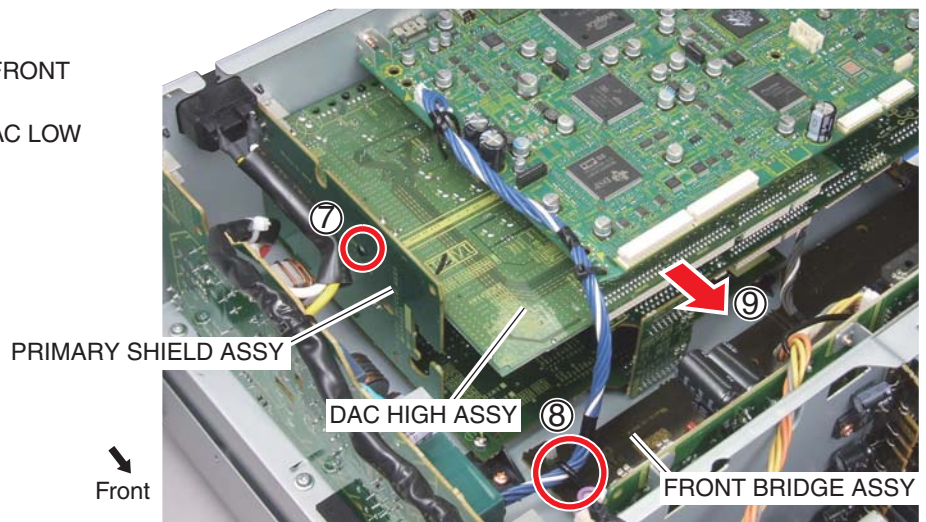
- (1) Remove the D-DAC BRIDGE ASSY.
- (2) Remove the A-DAC BRIDGE ASSY.
- (3) Remove the D-AUDIO BRIDGE ASSY.



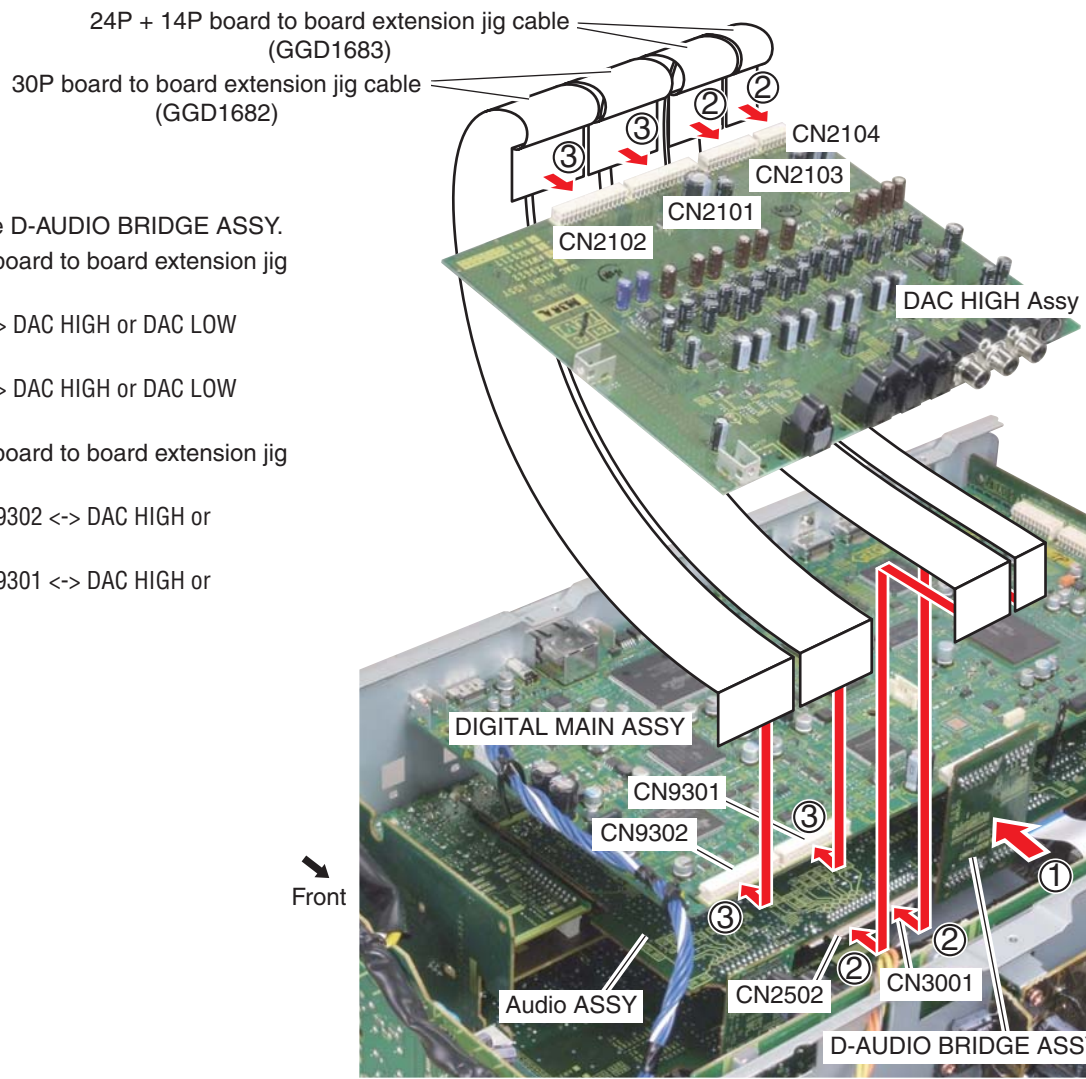
- (4) Remove the screw. (BMZ30P040FTB)
- (5) Remove the six screws (SC-37/UXJCB).  
SC-35/UXJCB, SC-1525-K/CUXJ case of the five screws. (BPZ30P080FTB)
- (6) Remove the screw. (ABA1011)



- (7) Remove the Push Rivet.
- (8) Release the jumper wires from the FRONT BRIDGE ASSY.
- (9) Remove the DAC HIGH ASSY or DAC LOW ASSY.



A



B

C

D

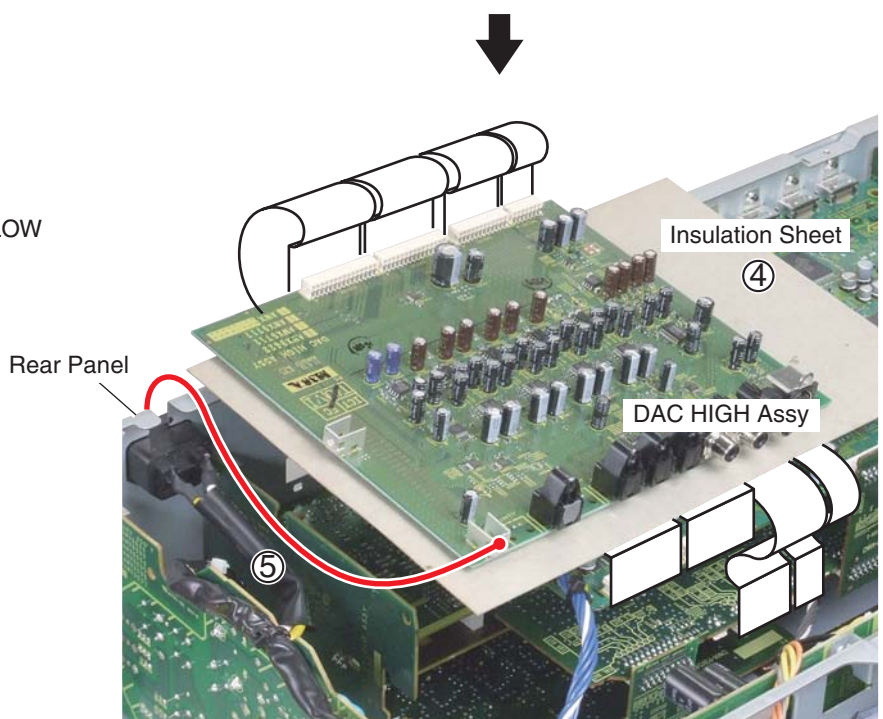
**[5-2] Diagnosis**

- (1) Reassembling the D-AUDIO BRIDGE ASSY.
- (2) Connect the two board to board extension jig cables.  
(AUDIO CN2502 <-> DAC HIGH or DAC LOW CN2103)  
(AUDIO CN3001 <-> DAC HIGH or DAC LOW CN2104)
- (3) Connect the two board to board extension jig cables.  
(DIGITAL MAIN CN9302 <-> DAC HIGH or DAC LOW CN2102)  
(DIGITAL MAIN CN9301 <-> DAC HIGH or DAC LOW CN2101)

E

- (4) Insert the insulation sheet.
- (5) Connect the DAC HIGH ASSY or DAC LOW ASSY to the Rear Panel ground.  
**(Refer to the "Ground points.")**

F

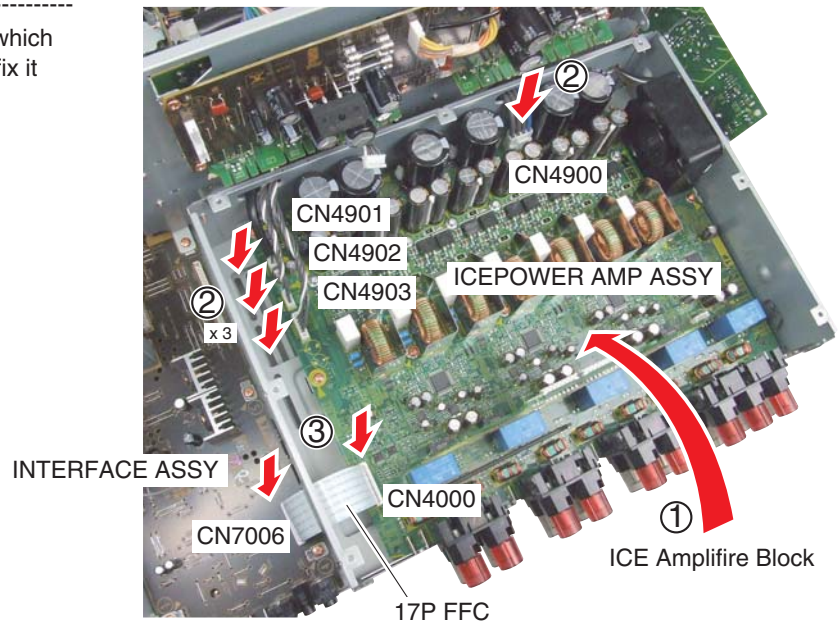


## Assembling of ICE Amplifier block

**Note :** The right and left positions for the attachment positioning of the ICE Amplifier block are gradual, however, carry out the front and back positioning correctly following the procedure shown below.

When you removed only ICE Cover 83, perform from step (9).

- (1) Allocate the ICE Amplifier block from which the ICE Cover 83 is removed. Do not fix it with screws.
- (2) Connect the fore connectors.
- (3) Connect the 17P FFC (ADD7647).

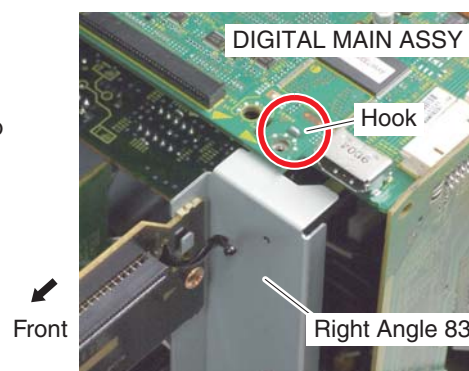


- (4) Temporarily attach the Rear Panel (with other assy) to the Under Base 81, using the three screws. (ABA1011)

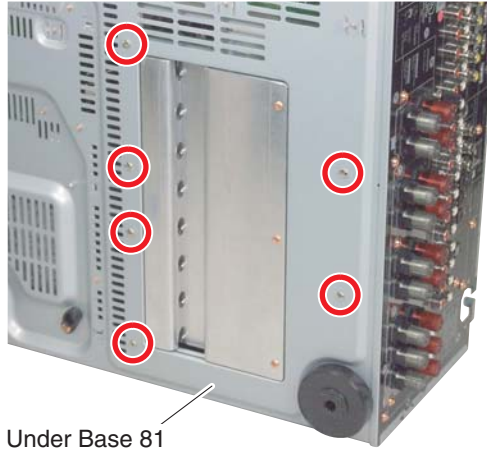


**Note:** Fix the DIGITAL MAIN ASSY to the hook of the Right Angle 83.

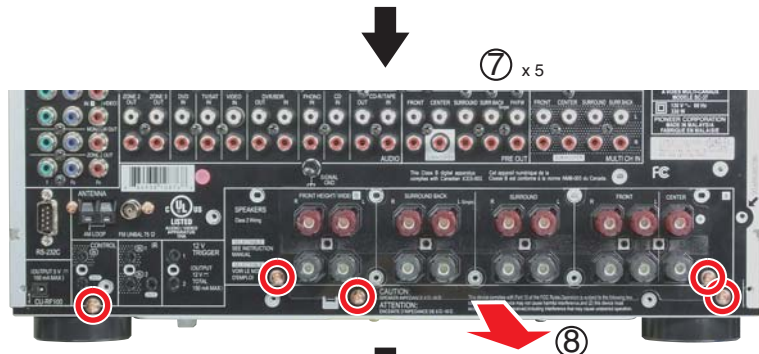
- (5) Temporarily attach the ICE Amplifier block to the Rear Panel, using the two screws. (ABA1011)



- A (6) Attach the ICE Amplifier block to the Under Base 81, using the six screws. (BPZ30P080FNI)



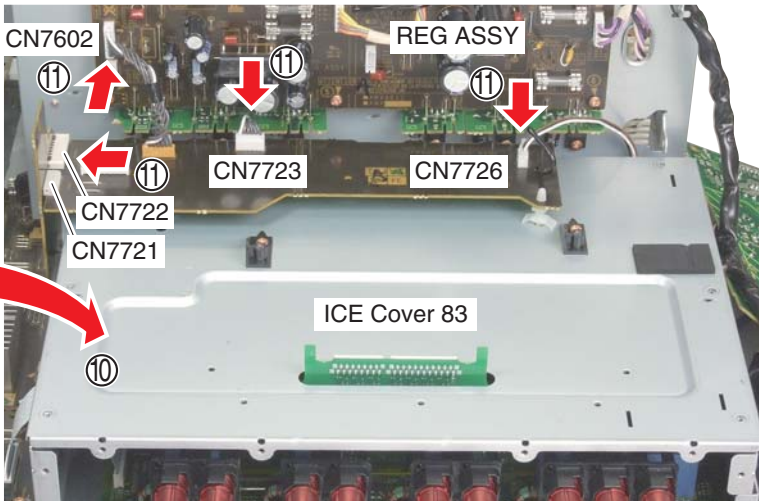
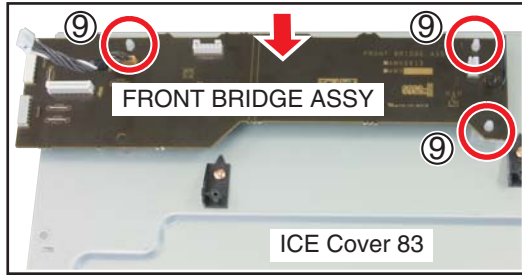
B



- (7) Remove the five screws. (ABA1011)
- (8) Remove the Rear Panel.

C

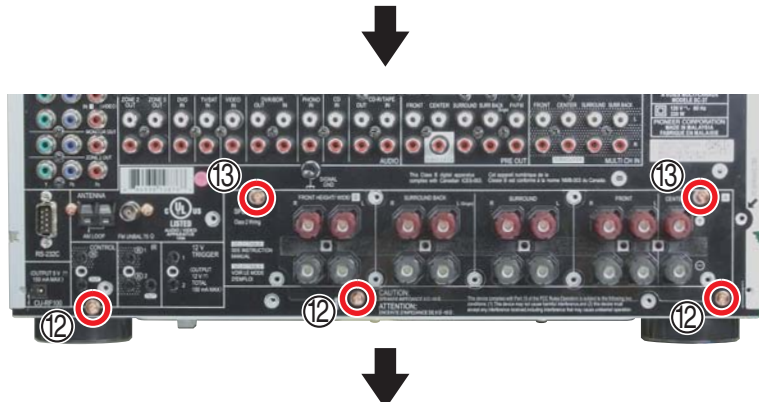
- (9) Attach the FRONT BRIDGE ASSY to the ICE Cover 83, using the three PCB Holders.



- (10) Allocate the ICE Cover 83 (with FRONT BRIDGE ASSY). Do not fix it with screws.
- (11) Connect the five connectors.

E

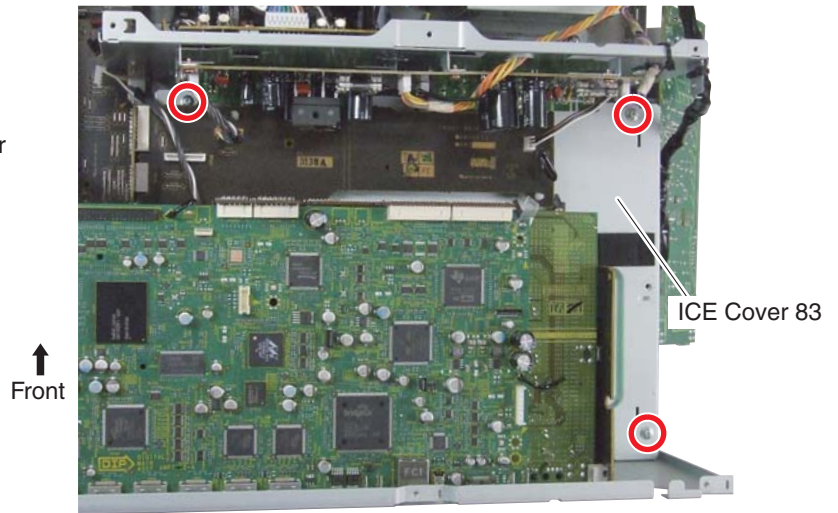
- (12) Temporarily attach the Rear Panel (with other assy) to the Under Base 81, using the three screws. (ABA1011)
- (13) Temporarily attach the ICE Cover 83 to the Rear Panel, using the two screws. (ABA1011)



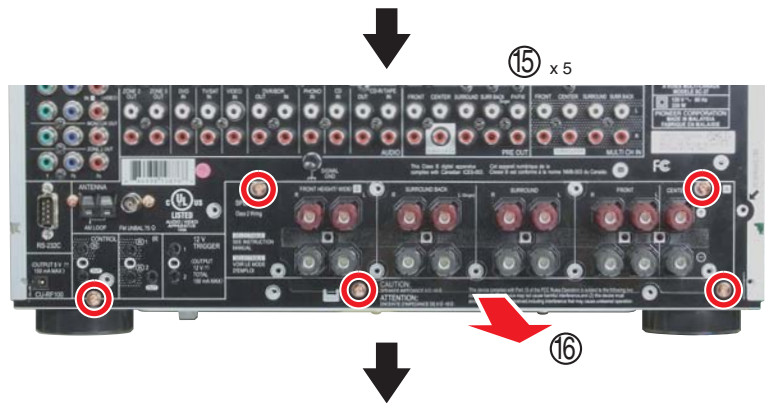
F

- (14) Attach the ICE Cover 83 to the ICE Box 83 from upper face, using the three screws. (AMZ30P060FTC)

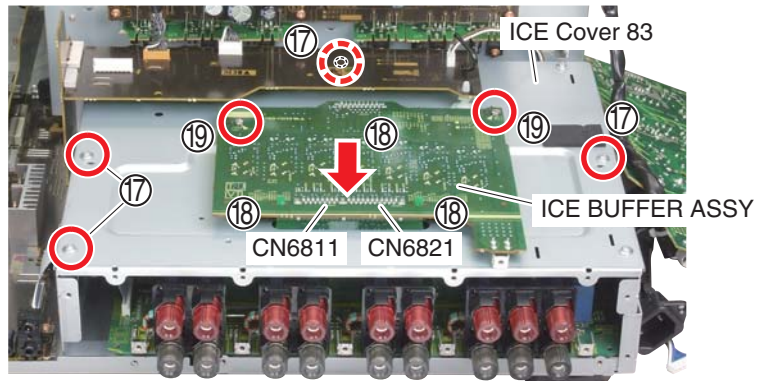
**Note:** Secure the screws for fixing the ICE Cover 83 without using the electric screwdriver, but manually.



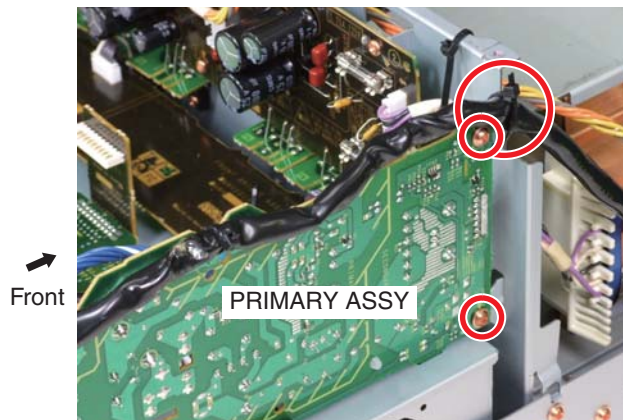
- (15) Remove the five screws. (ABA1011)
- (16) Remove the Rear Panel.



- (17) Attach the ICE Cover 83 to the ICE Box 83 completely, using the four screws. (AMZ30P060FTC)
- (18) Connect the ICE BUFFER ASSY.
- (19) Attach the two screws. (BPZ30P080FNI)



- (19) Attach the PRIMARY ASSY, using the two screws. (ABA1011)
- (20) Attach the binder.



## 8. EACH SETTING AND ADJUSTMENT

### 8.1 HOW TO SAVE AND LOAD THE SETTINGS USING BACKUP FUNCTION WITH USB MEMORY

#### A [Introduction]

This model is capable of saving the set values stored in the MAIN Ucom of DIGITAL MAIN ASSY in the USB and loading them in a new DIGITAL MAIN ASSY.  
(Note that MAIN Ucom should normally operate to enable this function.)

When replacing DIGITAL MAIN ASSY, execute the above mentioned processes.

#### [Data that can be saved/cannot be saved]

The following **data can not be saved**. Data other than these can be saved.

|   | Contents to save   | Destination to save |
|---|--|---------------------|
| B | Last memory for turning ON/OFF the Main power and power supply for ZONE2 and ZONE3<br>Last memory for inputting the Main power, ZONE2 and ZONE3<br>Setting for controlling HDMI<br>Remote control ID<br>Setting for RF remote control (EXPANSION Setup)<br>Setting for Network Standby<br>Data to be save upon the operation of protection circuit | EVENT Ucom          |
|   | Settings for HMG (Only for SC-37, SC-LX83 system: Because BridgeCo is used.)<br>Preset Memory, Favorite, Recently played, etc.   | BridgeCo IC         |

(As the data saved by EVENT Ucom is on the DISPLAY ASSY, the data cannot be deleted unless Assy is replaced at the same time.)

#### [Requirements for USB memory]

USB memory to be used should meet the following requirements.

- Compatible with USB Mass storage Class
- With a file system of FAT(FAT32)

#### [File saving format]

Files are to be saved in the following format: Model number\_backup version.extension(avr)  
Example: SC-37\_BK01.avr

#### [How to save in the USB memory from AV amplifier]

1. Insert the usable USB memory into the USB terminal when the main device is off.
2. Enter the SERVICE MODE and select [USB BAK ◀ HOLD ▶] with ↑↓ keys.  
(See [6.1 TEST MODE] for how to enter the SERVICE MODE.)
3. Select [USB BAK ◀ SAVE? ▶] with ⇄ keys and press [ENTER].
4. Saving in the USB starts and the main device automatically goes off after the normal completion ([COMPLETE] is displayed.).
5. Remove the USB and saving is finished.

\*1. If the following errors occur after "SAVE" is executed, error message will be displayed and "SAVE" will be stopped and the power will be turned off.

- Ejecting of USB device
- Short capacity of USB device
- Error during writing in the USB device (Read Only or defective Sector, etc.)

\*2. If the same file name exists in the USB, overwriting will be automatically executed.

#### [How to write into AV amplifier from the USB memory]

1. Insert the USB with the saved file into the USB terminal when the main device is off.
2. Enter the TEST MODE and select [USB BAK ◀ HOLD ▶] with ↑↓ keys.  
(See [6.1 TEST MODE] for how to enter the TEST MODE.)
3. Select [USB BAK ◀ LOAD? ▶] with ⇄ keys and press [ENTER].
4. Saving in the main device starts and it automatically goes off after the normal completion ([COMPLETE] is displayed.).
5. Remove the USB and loading is finished.

\* If the following errors occur after "LOAD" is executed, error message will be displayed and "LOAD" will be stopped and the power will be turned off.

- No setting file
- Mismatching between the setting file and the specification of the A/V RECEIVER type to be loaded back
- Error due to Checksum, Signature Check, and Size Check
- Ejecting of USB device (during reading of the setting file)

### Precautions

- Files are stored in Root of USB memory.
- Files are read from Root of USB memory.
  - ⇒ To make operations such as moving files, be sure to assign the saved file in Root of the USB memory.
  - Also please be careful not to assign \*.avr in multiple numbers.

- The time and date of updating for saved file is fixed to "2010/01/01 0:00."
- In principle, please implement Load without making of factory default settings.  
To Load from factory default settings status, please take caution on the following points;

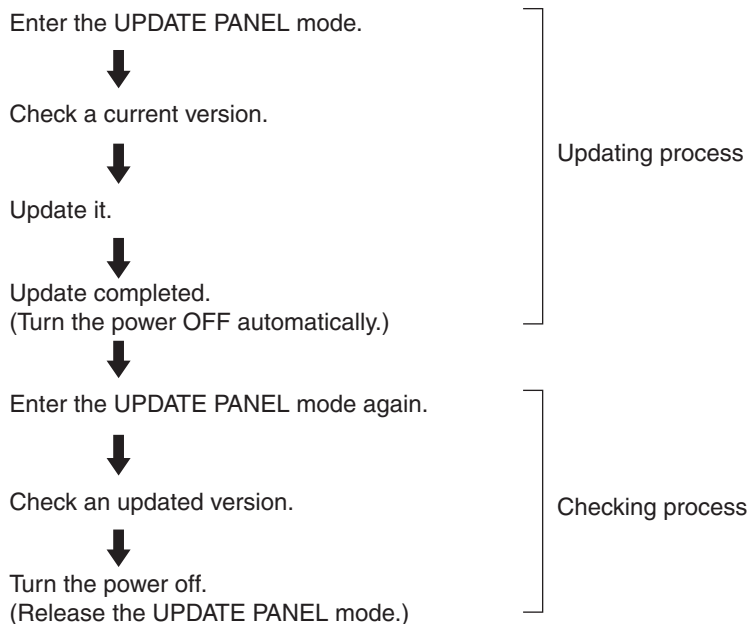
Please be sure to check the HDMI control setting for the user before performing of factory default settings. Since the HDMI control setting of default settings is ON, turn OFF the HDMI control setting and Load after performing of factory default settings if the checked user setting is OFF. (If Load is executed with the setting ON, the assignment information for each HDMI input will be cleared.)

Procedures for turning OFF the HDMI control setting

⇒ HOME MENU ⇒ 4.System Setup ⇒ 4e.Other Setup ⇒ 4e1.HDMI Setup ⇒ Control OFF

## 8.2 HOW TO UPDATE FIRMWARE

### Workflow



### MAIN com (EMMA), SUB com (EVENT) and DSP Flash ROM Update by USB Memory and the Confirmation of the Version



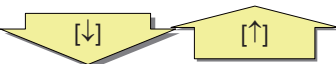
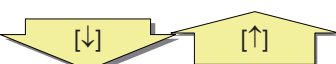
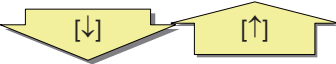
#### UPDATE PANEL Mode (Version update)

##### [Preparations]

- Copy the UPDATE FILE to the root directory of the USB Memory.  
**Note:** NEVER copy several UPDATE FILES to the root directory of the USB Memory.  
Copy only the corresponding UPDATE FILE.
- Turn off the power to this unit by setting Multi-Zone to "OFF".
- Connect the USB Memory to the USB terminal (A type) of the front panel.

##### [Procedure]


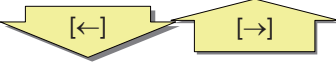

- While holding down "TUNE↑" key on the front panel, press "STANDBY ON/OFF" key and moves to the **UPDATE PANEL mode**.
- The updating process is as follows.

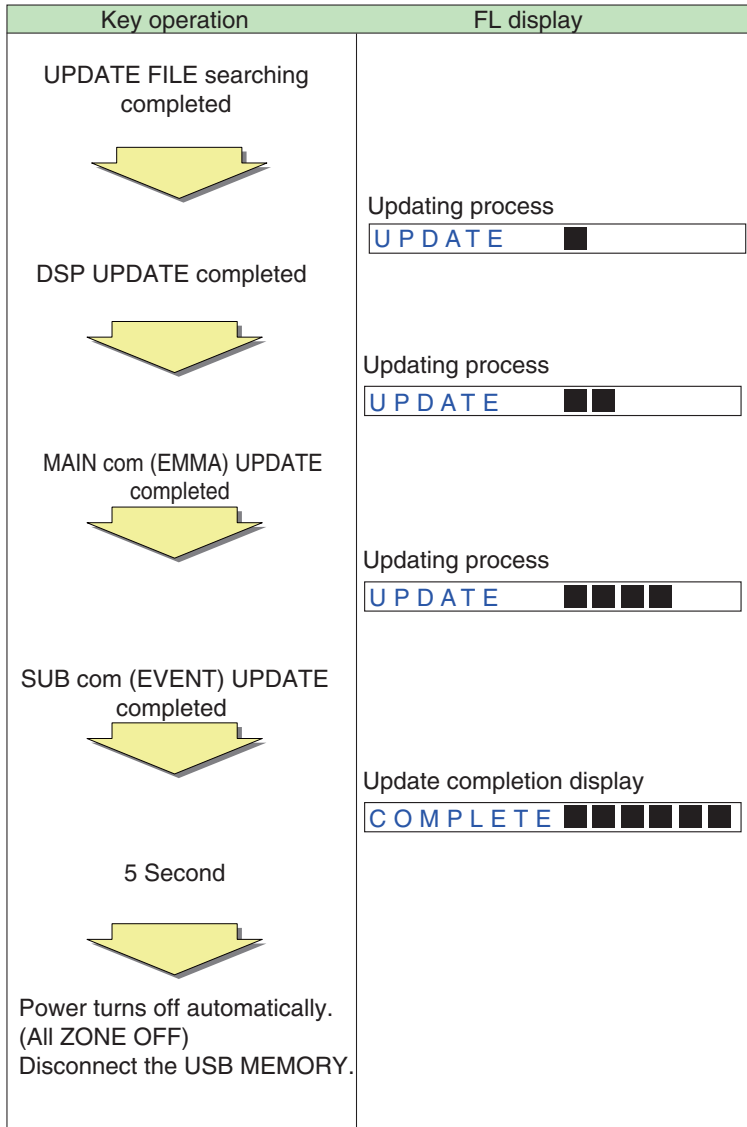
| A | Key operation   | FL display   |
|---|---|--|
|   | <p>[TUNE↑] +<br/>[STANDBY ON/OFF]</p>  <p>Booting is completed</p>  | <p>POWER ON</p>  |
|   | <p>[TUNE↓] or [TUNE↑]</p>  <p>[TUNE↓] or [TUNE↑]</p>                  | <p>MAIN com (EMMA) version is displayed.</p> <p>MAIN 1.000</p> <p>SUB com (EVENT) version is displayed.</p> <p>SUB 1.000</p> <p>DSP version is displayed.</p> <p>DSP 1.000</p> |
| C | <p>[TUNE↓] or [TUNE↑]</p>   | <p>Update Menu</p> <p>UPDATE</p>   |

### Front Panel Key

- [↓] : TUNE key
- [↑] : TUNE key
- [←] : PRESET key
- [→] : PRESET key

If no key is pressed within 10 seconds while booting UPDATE PANEL, the UPDATE PANEL is finished and returns to the normal display. But the process does not become timeout and continues while "FILE searching" or "Updating process".

| D | Key operation   | FL display  |
|---|---|---|
|   | <p>[ENTER]</p>  <p>[PRESET→]<br/>or<br/>[PRESET←]</p>  | <p>Update Menu</p> <p>UPDATE</p> <p>Update Confirmation</p> <p>UPDATE ? ◀NO▶</p>          |
| E |  <p>[ENTER]</p>  | <p>Update Confirmation</p> <p>UPDATE ? ◀YES▶</p> <p>File searching</p> <p>PLEASE WAIT</p> |
| F | <p>UPDATE FILE searching completed</p>  |   |



Update time is fluctuated by contents of the update. It will take about 15 minutes at the maximum. (Actual time is from 2 minutes to 12 minutes.)  
Time required for updating varies, because only the programs that require updating will be updated.

**[Confirmation]**

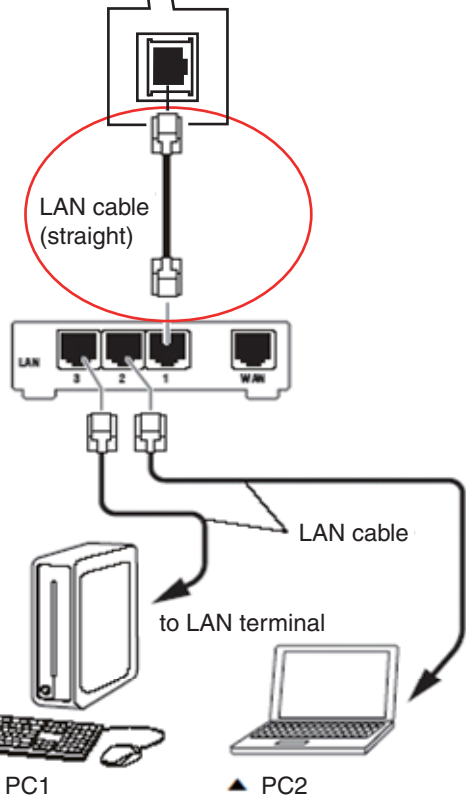
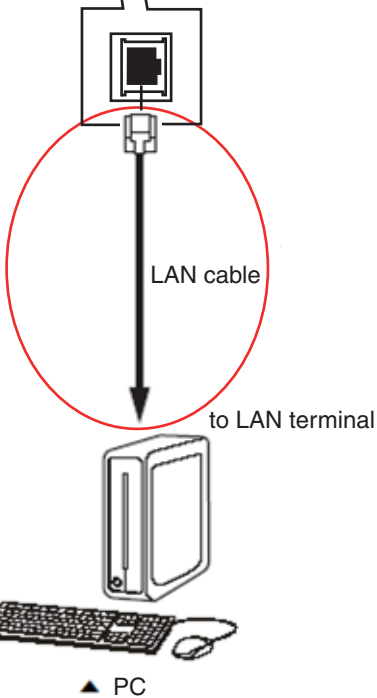
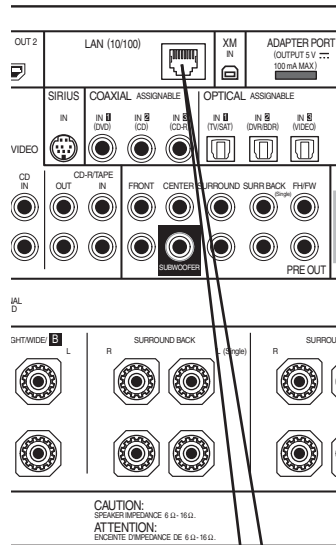
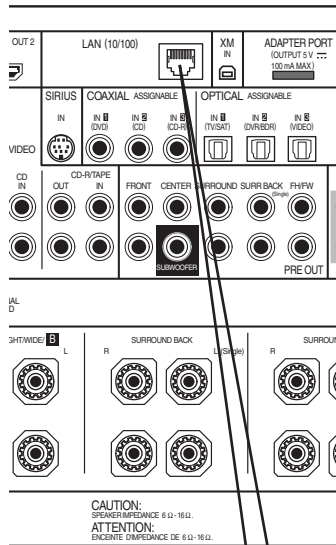
Enter UPDATE PANEL mode and check that the programs have been updated.

# [1] Network Firmware Update Procedure

## [Necessary Tools]

- PC (OS: Windows XP, Windows Vista, Windows 7)
- LAN cable (either straight or cross cable can be used)
- Firmware file (with the extension .bcd)

Either directly connect the PC and AV amplifier (Connection A) or connect them via a DHCP router (Connection B).  
 Either a straight or cross LAN cable can be used.



[Connection A]

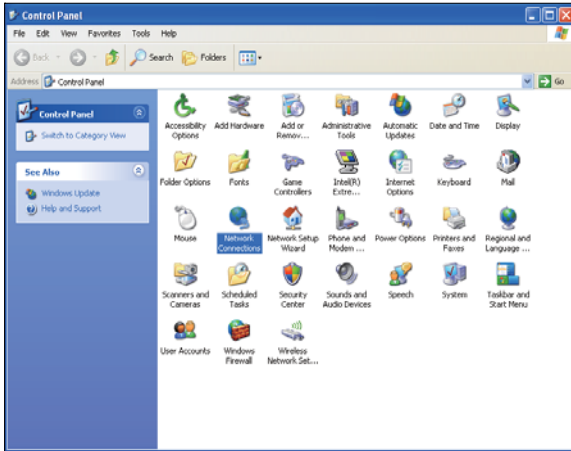
[Connection B]

**[Preparations]**

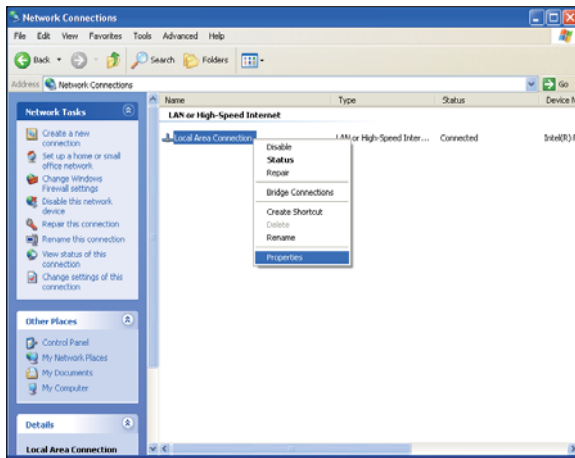
Set the static IP address of the PC.

\*When Connection B (connection via a DHCP router) is performed in [Procedure 1], this setting is not required.

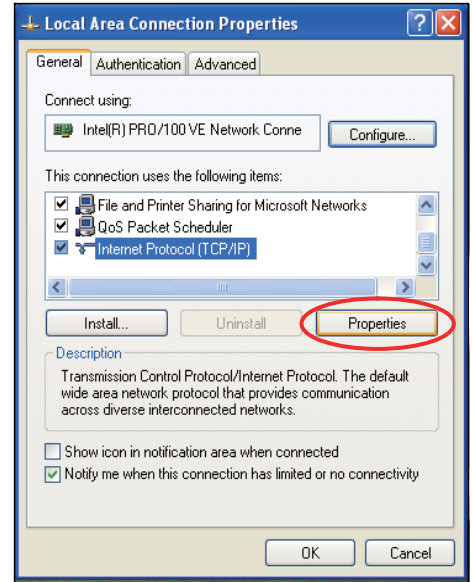
Open the Control Panel. --->  
Open the Network Connections (double click).



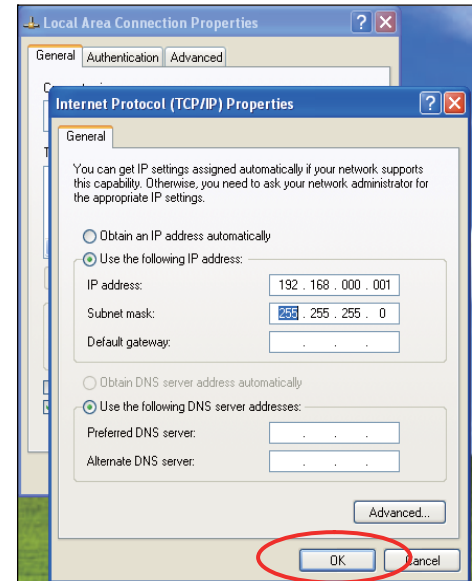
Local Area Connection (right click) ---> Properties



Local Area Connections Properties --->  
Internet Protocol (TCP/IP) ---> Properties



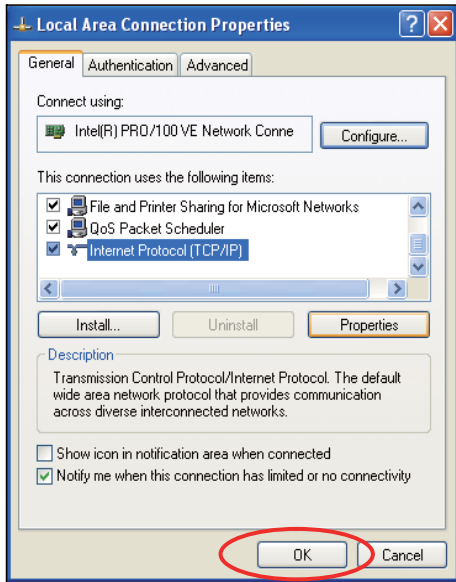
Internet Protocol (TCP/IP) Properties



Set the following settings.  
Use the following IP address:  
IP address: 192.168.000.001  
Subnet mask: 255.255.255.0



In the Local Area Connections Properties window, click on OK to close the window.



Setting of the static IP address for the PC is completed.

### [Procedures]

1. Either directly connect the PC and AV amplifier (Connection A) or connect them via a DHCP router (Connection B).
2. **[When the PC and AV amplifier are directly connected]**  
Set the static IP address of the AV amplifier.

#### How to Set the IP Address

- (1) Set the remote control to the receiver operation mode, then press HOME MENU.  
A Graphical User Interface (GUI) screen appears on the TV.  
Use **↑/↓/←/→** and **ENTER** to navigate through the screens and select menu items.  
Press **RETURN** to confirm and exit the current menu.
- (2) Select 'System Setup' from the Home Menu.
- (3) Select 'Network Setup' from the System Setup menu.
- (4) Select 'IP Address, Proxy' from the Network Setup menu.
- (5) Select the DHCP setting needed.  
When selected **ON**, the network is automatically set up, and it is not necessary to follow Steps 6.  
Proceed with Step 7.  
If there is no DHCP server on the network and you select **ON**, this receiver will use its own Auto IP function to determine the IP address.
- (6) Enter the IP Address, Subnet Mask, Default Gateway, Primary DNS Server and Secondary DNS Server.  
Press **↑/↓** to select a number and **←/→** to move the cursor.
- (7) Select 'OFF' or 'ON' for the Enable Proxy Server setting to deactivate or activate the proxy server.  
In case you select '**OFF**', proceed with Step 10.  
In case selected '**ON**', on the other hand, proceed with Step 8.
- (8) Enter the address of your proxy server or the domain name.
- (9) Enter the port number of your proxy server.  
Use the numeric buttons to enter the port number.
- (10) Select 'OK' to confirm the IP Address/Proxy setup.

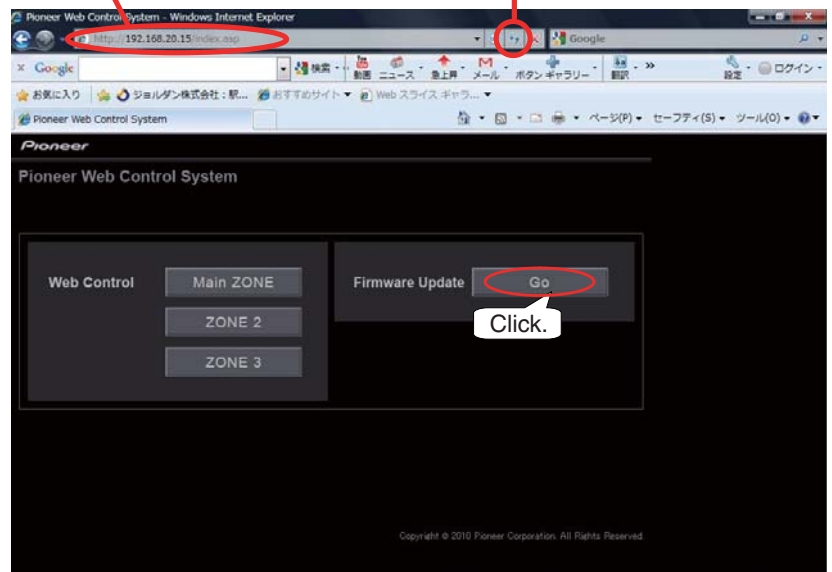
### [When the PC and AV amplifier are connected via a DHCP router]

Be sure to confirm and note the IP address.

#### How to Confirm the IP Address

- (1) Set the remote control to the receiver operation mode, then press HOME MENU.  
A Graphical User Interface (GUI) screen appears on the TV.  
Use **↑/↓/←/→** and **ENTER** to navigate through the screens and select menu items.  
Press **RETURN** to confirm and exit the current menu.
  - (2) Select 'System Setup' from the Home Menu.
  - (3) Select 'Network Setup' from the System Setup menu.
  - (4) Select the IP Address, Proxy.
3. The following steps are to be performed on the PC. This IP Address is an example.  
Open Internet Explorer on the PC.  
When the AV amplifier is directly connected with the PC, enter "http:// 192. 168. 20. 15 " in the address box then press the Enter key.  
When the AV amplifier is connected via a DHCP router, enter the IP address of the AV amplifier you noted in the address box then press the Enter key.
- (1) Enter "http:// \*. \*. \*. \*. (IP address of the AV amplifier)."
  - (2) Click on the Update button or press the Enter key.

The following screen will be displayed.  
Click on "Firmware Update."



## [2] The firmware update method of the network work

You store the latest firmware to a PC connected to LAN same as a product.

A

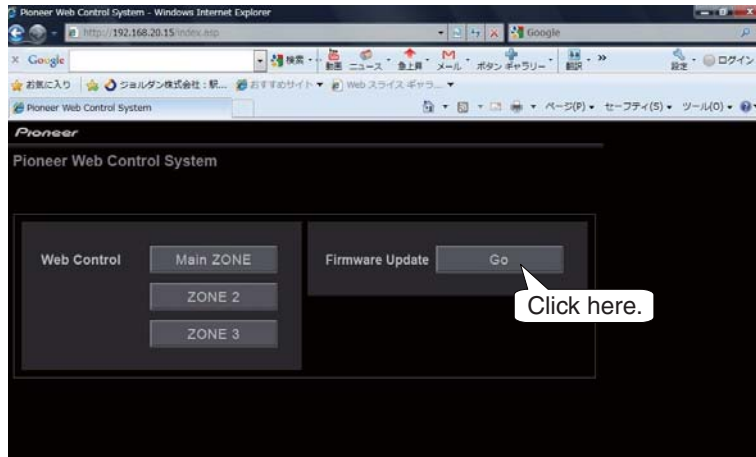
- ① You confirm IP Address in "HOME MENU" of the product.

You input IP Address into the Web browser software (IE) of the PC and carry it out.

The right screen is displayed by the PC.

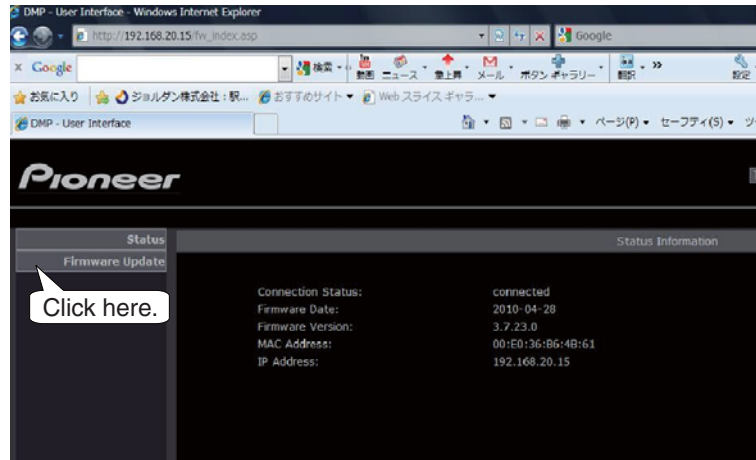
B

You click "Firmware Update".



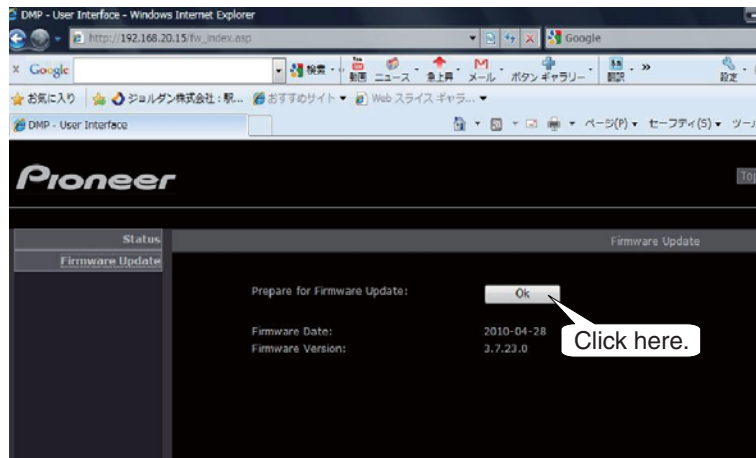
- ② You click "Firmware Update".

C



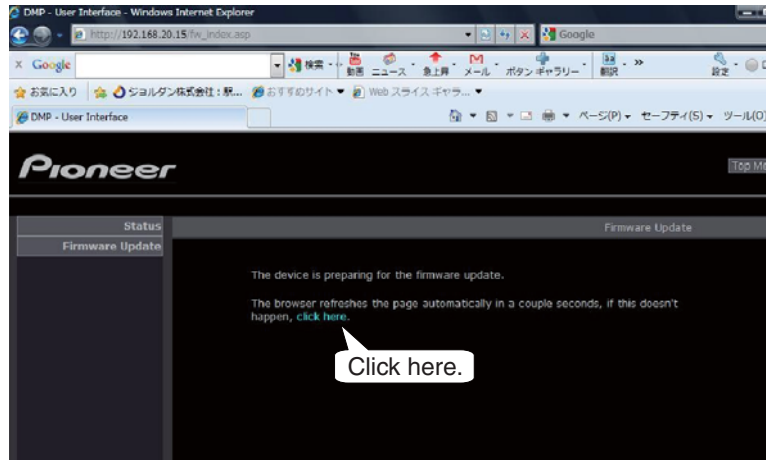
- ③ You confirm a version of current firm ware and click "OK" it you update it.

E

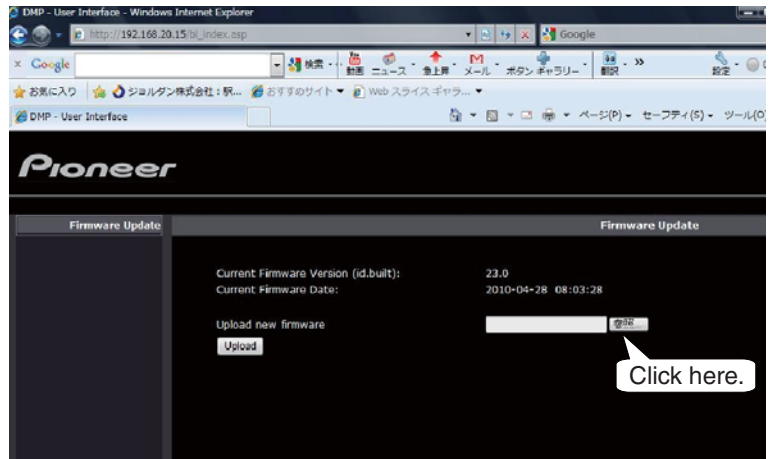


F

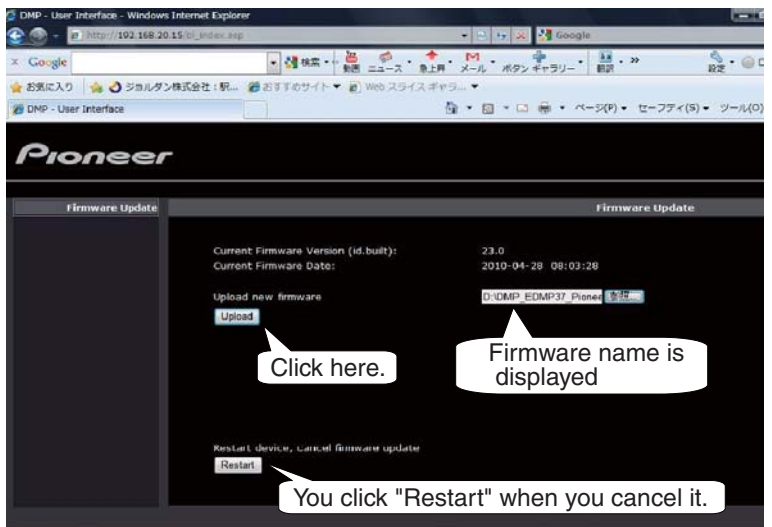
④ When you wait for around 20 seconds, and a screen is not replaced, you click "click here".



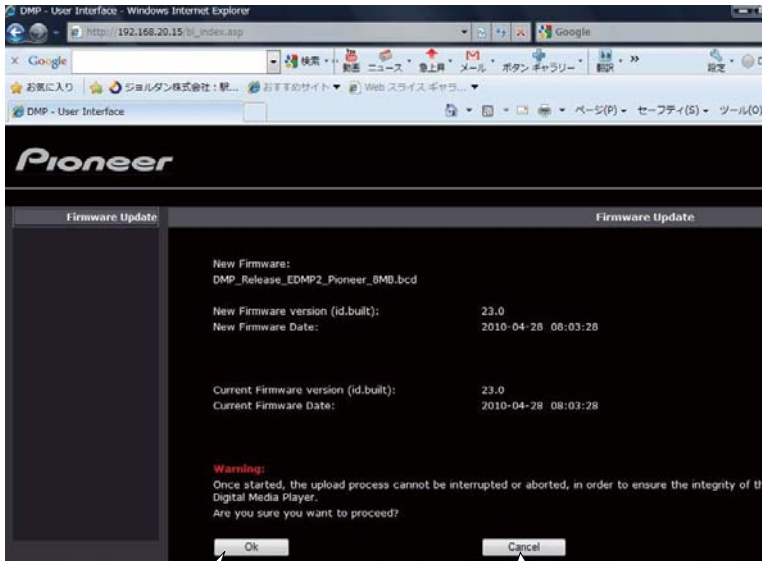
⑤ You choose the firmware which you stored to the PC.



⑥ Firmware name is displayed.  
If firmware name is OK, you click "Upload".  
You click "Restart" when you cancel it.

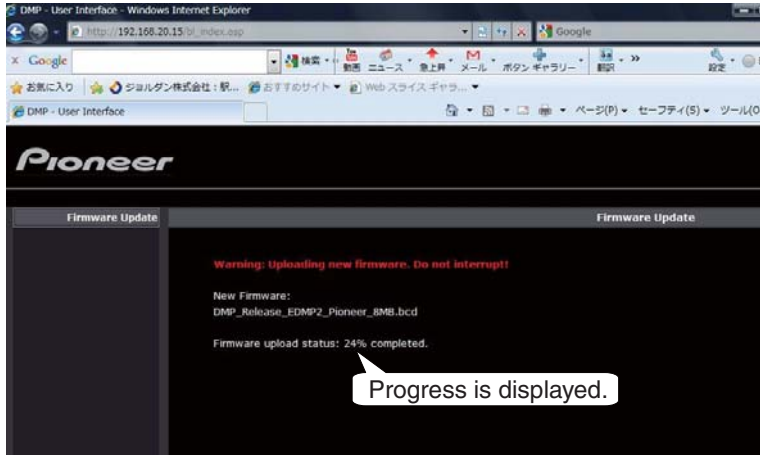


⑦ When you start update, you click "OK".  
 When you cancel it, you click "Cancel".

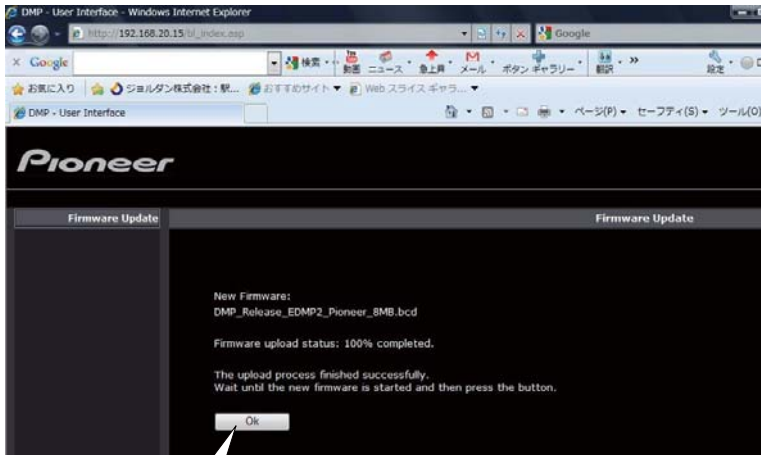


Click here. ↓ When you cancel it, you click "Cancel".

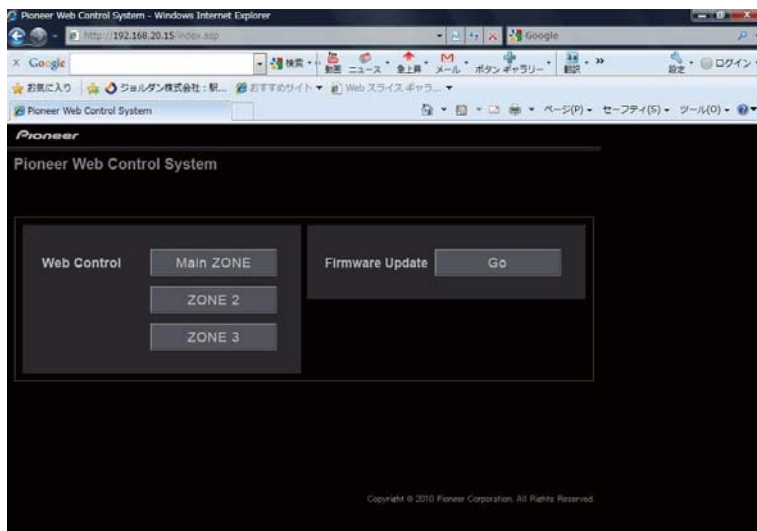
⑧ This is a screen updating.



⑨ When progress became 100%, the update is completed.  
 When you clicked "OK", the update is finished.



⑩ The screen returns to the first screen.



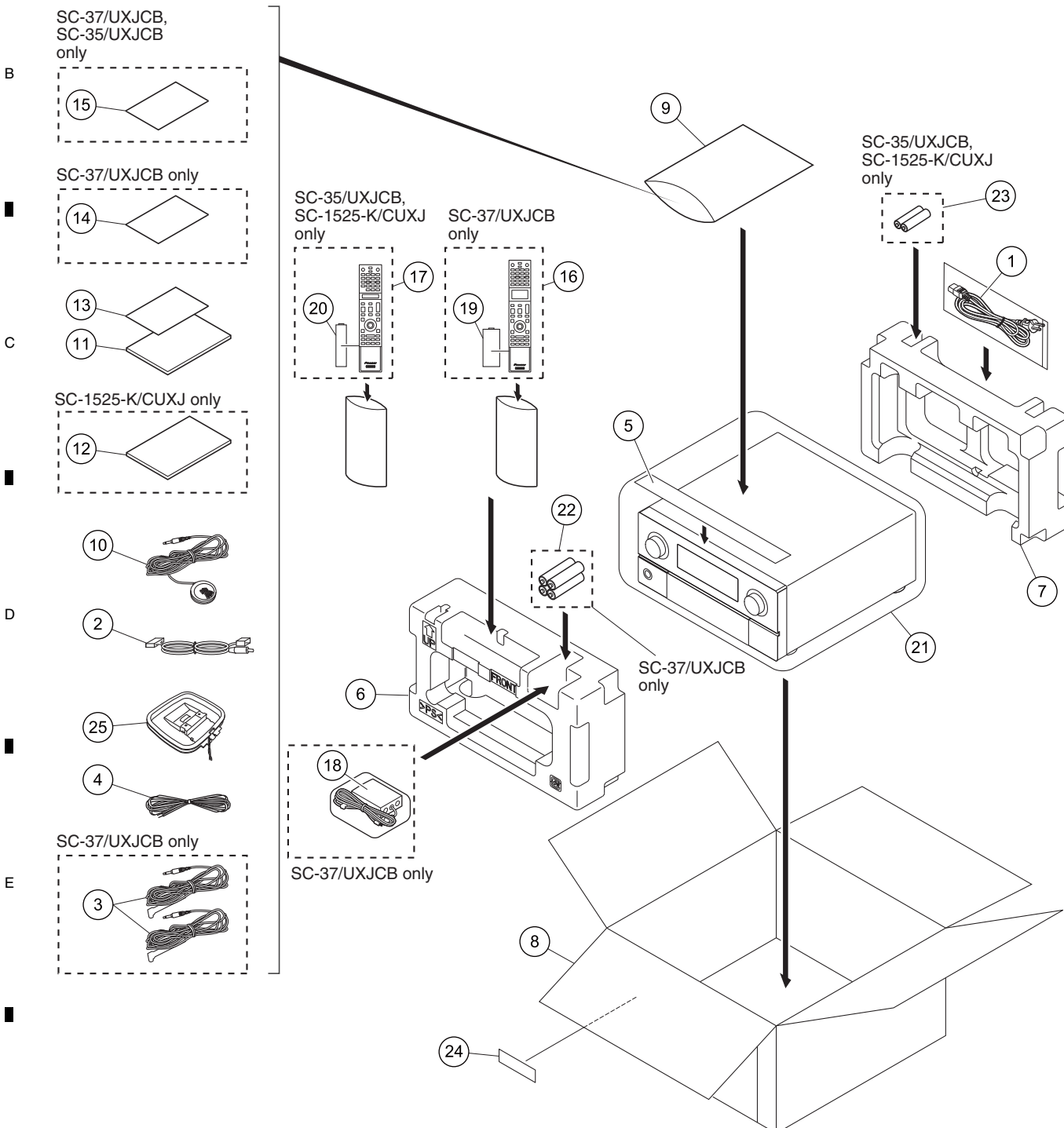
A  
B  
C  
D  
E  
F

# 9. EXPLODED VIEWS AND PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The  $\triangle$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to  $\nabla$  mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

## 9.1 PACKING SECTION



**(1) PACKING SECTION PARTS LIST**

| <u>Mark No.</u> | <u>Description</u>        | <u>Part No.</u>        | <u>Mark No.</u> | <u>Description</u>          | <u>Part No.</u>        |
|-----------------|---------------------------|------------------------|-----------------|-----------------------------|------------------------|
| △               | 1 AC Power Cord           | ADG7111                | 11              | Operating Instructions (EN) | See Contrast table (2) |
|                 | 2 30P iPod Cable          | ADE7135                | 12              | Operating Instructions (FR) | See Contrast table (2) |
|                 | 3 IR Bluster Cable        | See Contrast table (2) | 13              | Caution Sheet SP, E         | ARM7083                |
|                 | 4 FM Wire Antenna         | ADH7030                | 14              | RF Remote Caution           | See Contrast table (2) |
|                 | 5 Protection Sheet LX     | See Contrast table (2) | NSP 15          | Warranty Card               | See Contrast table (2) |
|                 | 6 Front Pad 83            | AHA7488                | 16              | RF Remote Control Unit      | See Contrast table (2) |
|                 | 7 Rear Pad 83             | AHA7489                | 17              | Remote Control Unit         | See Contrast table (2) |
|                 | 8 Packing Case            | See Contrast table (2) | 18              | RF Receiver Box             | See Contrast table (2) |
| NSP             | 9 Polyethylene Bag        | AHG7117                | 19              | Battery Cover               | See Contrast table (2) |
|                 | 10 MCACC Setup Microphone | APM7009                | 20              | Battery Door                | See Contrast table (2) |
|                 |                           |                        | 21              | Packing Sheet               | RHC1023                |
|                 |                           |                        | NSP 22          | Dry Cell Battery (LR6)      | See Contrast table (2) |
|                 |                           |                        | NSP 23          | Dry Cell Battery (R3)       | See Contrast table (2) |
|                 |                           |                        | NSP 24          | Serial Label S              | VRW2017                |
|                 |                           |                        | 25              | AM Loop Antenna             | XTB3004                |

**(2) CONTRAST TABLE**

SC-37/UXJCB, SC-35/UXJCB and SC-1525-K/CUXJ are constructed the same except for the following:

| <u>Mark</u> | <u>No.</u> | <u>Symbol and Description</u> | <u>SC-37/UXJCB</u> | <u>SC-35/UXJCB</u> | <u>SC-1525-K/CUXJ</u> |
|-------------|------------|-------------------------------|--------------------|--------------------|-----------------------|
|             | 3          | IR Bluster Cable              | ADF7007            | Not used           | Not used              |
|             | 5          | Protection Sheet LX           | AEH7030            | AEH7030            | Not used              |
|             | 8          | Packing Case                  | AHD8677            | AHD8683            | AHD8684               |
|             | 11         | Operating Instructions (EN)   | ARB7446            | ARB7446            | ARB7447               |
|             | 12         | Operating Instructions (FR)   | Not used           | Not used           | ARC7970               |
|             | 14         | RF Remote Caution             | ARM7131            | Not used           | Not used              |
| NSP         | 15         | Warranty Card                 | ARY7007            | ARY7007            | Not used              |
|             | 16         | RF Remote Control Unit        | AXD7580            | Not used           | Not used              |
|             | 17         | Remote Control Unit           | Not used           | AXD7591            | AXD7591               |
|             | 18         | RF Receiver Box               | AXX7272            | Not used           | Not used              |
|             | 19         | Battery Cover                 | AZN8049            | Not used           | Not used              |
|             | 20         | Battery Door                  | Not used           | AZN8047            | AZN8047               |
| NSP         | 22         | Dry Cell Battery (LR6)        | VEM1047            | Not used           | Not used              |
| NSP         | 23         | Dry Cell Battery (R3)         | Not used           | VEM1049            | VEM1049               |

# 9.2 EXTERIOR SECTION

- A** ICEPOWER AMP ASSY CN4903
- B** ICEPOWER AMP ASSY CN4901
- C** FRONT BRIDGE ASSY CN7723
- D** ICEPOWER AMP ASSY CN4902
- E** FRONT HDMI ASSY JA3552

A

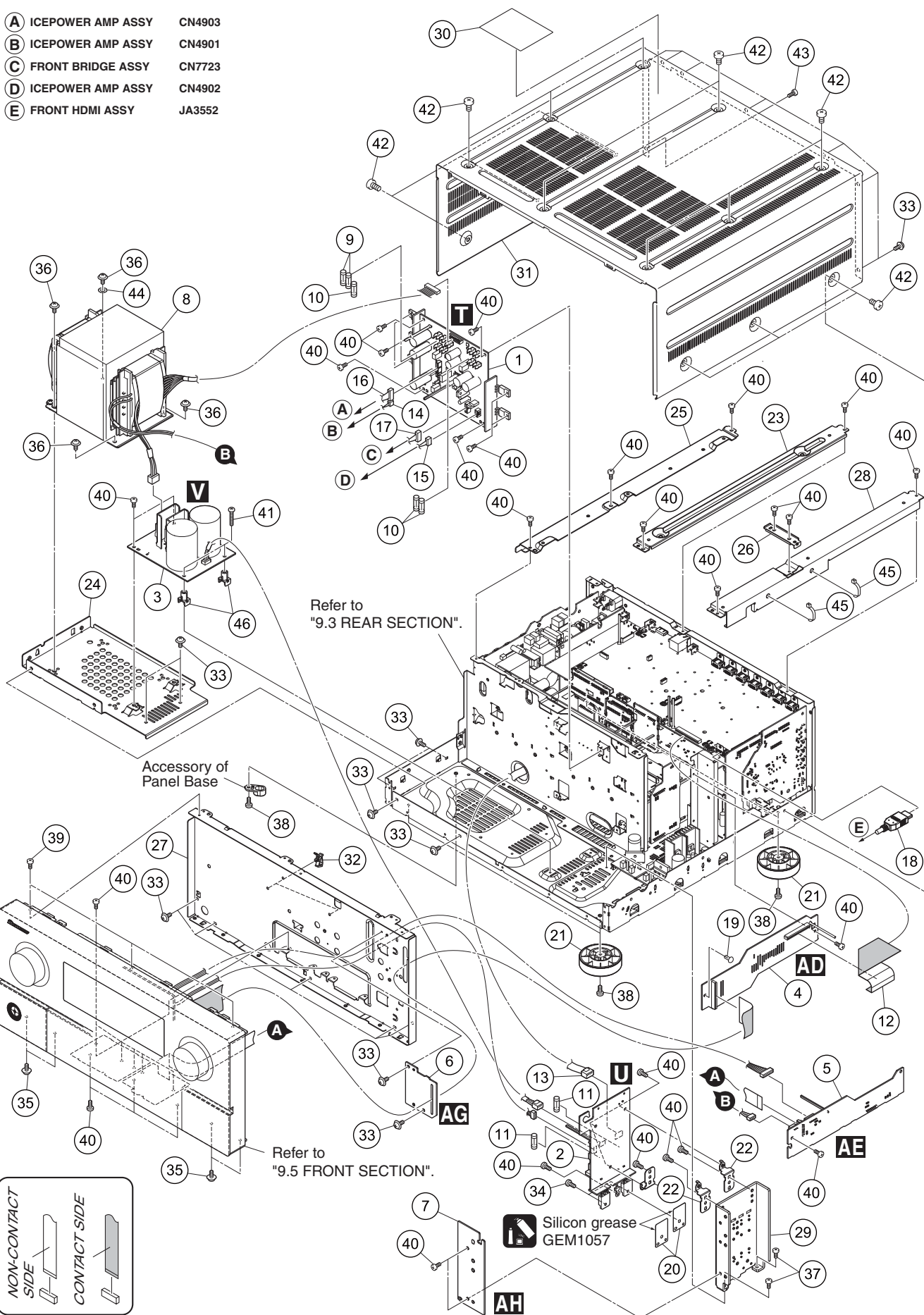
B

C

D

E

F



## EXTERIOR SECTION PARTS LIST

| <u>Mark No.</u> | <u>Description</u>                 | <u>Part No.</u> | <u>Mark No.</u> | <u>Description</u>     | <u>Part No.</u> |
|-----------------|------------------------------------|-----------------|-----------------|------------------------|-----------------|
| 1               | ICE REG ASSY                       | AWX9606         |                 | 26 Support Plate 82    | ANG7654         |
| 2               | B REG ASSY                         | AWX9607         | NSP             | 27 Panel Stay 83       | ANG7666         |
| 3               | B DIODE ASSY                       | AWX9608         |                 | 28 Right Beam 83       | ANG7667         |
| 4               | DISPLAY BRIDGE ASSY                | AWX9614         |                 | 29 REG Heat Sink 83    | ANH7221         |
| 5               | F-IN BRIDGE ASSY                   | AWX9615         |                 | 30 Lisence Label 10MID | ARW7407         |
| 6               | FFC GUARD ASSY                     | AWX9641         |                 | 31 Bonnet 81B          | AZN8036         |
| 7               | H GUARD ASSY                       | AWX9610         | NSP             | 32 Mini Clamp          | VEC1597         |
| ⚠               | 8 Power Transformer                | ATS7430         |                 | 33 Screw               | ABA1011         |
| ⚠               | 9 Fuse (FU13, FU14 : 1A)           | REK1142         |                 | 34 Screw               | ABA1052         |
| ⚠               | 10 Fuse (FU11, FU12, FU15 : 1.25A) | REK1143         |                 | 35 Screw (FE)          | ABA1193         |
| ⚠               | 11 Fuse (FU61, FU62 : 10A)         | REK1154         |                 | 36 Screw 4 x 12 (FE)   | ABA7109         |
| 12              | 39P FFC/60V (J15)                  | ADD7726         |                 | 37 Screw 3 x 10 SEMS   | ABA7134         |
| 13              | 4P Housing ASSY (J20)              | ADX7622         |                 | 38 Cup Screw 3 x 8 FCC | ABA7149         |
| 14              | 2P Housing ASSY (J24)              | ADX7657         |                 | 39 Screw               | BBT30P080FCC    |
| 15              | 4P Housing ASSY (J25)              | ADX7677         |                 | 40 Screw               | BBZ30P060FCC    |
| 16              | 7P Housing ASSY (J22)              | ADX7701         |                 | 41 Screw               | BBZ30P180FCC    |
| 17              | 6P Housing ASSY (J23)              | ADX7715         |                 | 42 Screw               | BCZ40P060FTB    |
| 18              | HDMI Cable (J21)                   | ADX7733         |                 | 43 Screw               | IBP30P090FCC    |
| 19              | Push Rivet                         | AEC7071         |                 | 44 Toothed Lock Washer | WH40FNI         |
| 20              | Sheet                              | AEE7034         | NSP             | 45 Binder (BK-1)       | ZCA-BK1         |
| 21              | Insulator                          | AMR7198         |                 | 46 PCB Mold            | AMR2533         |
| 22              | PCB Angle 45                       | ANG7406         |                 |                        |                 |
| 23              | Center Beam V1                     | ANG7482         |                 |                        |                 |
| 24              | Trans Flame 81                     | ANG7623         |                 |                        |                 |
| 25              | Left Beam 81                       | ANG7624         |                 |                        |                 |

# 9.3 REAR SECTION

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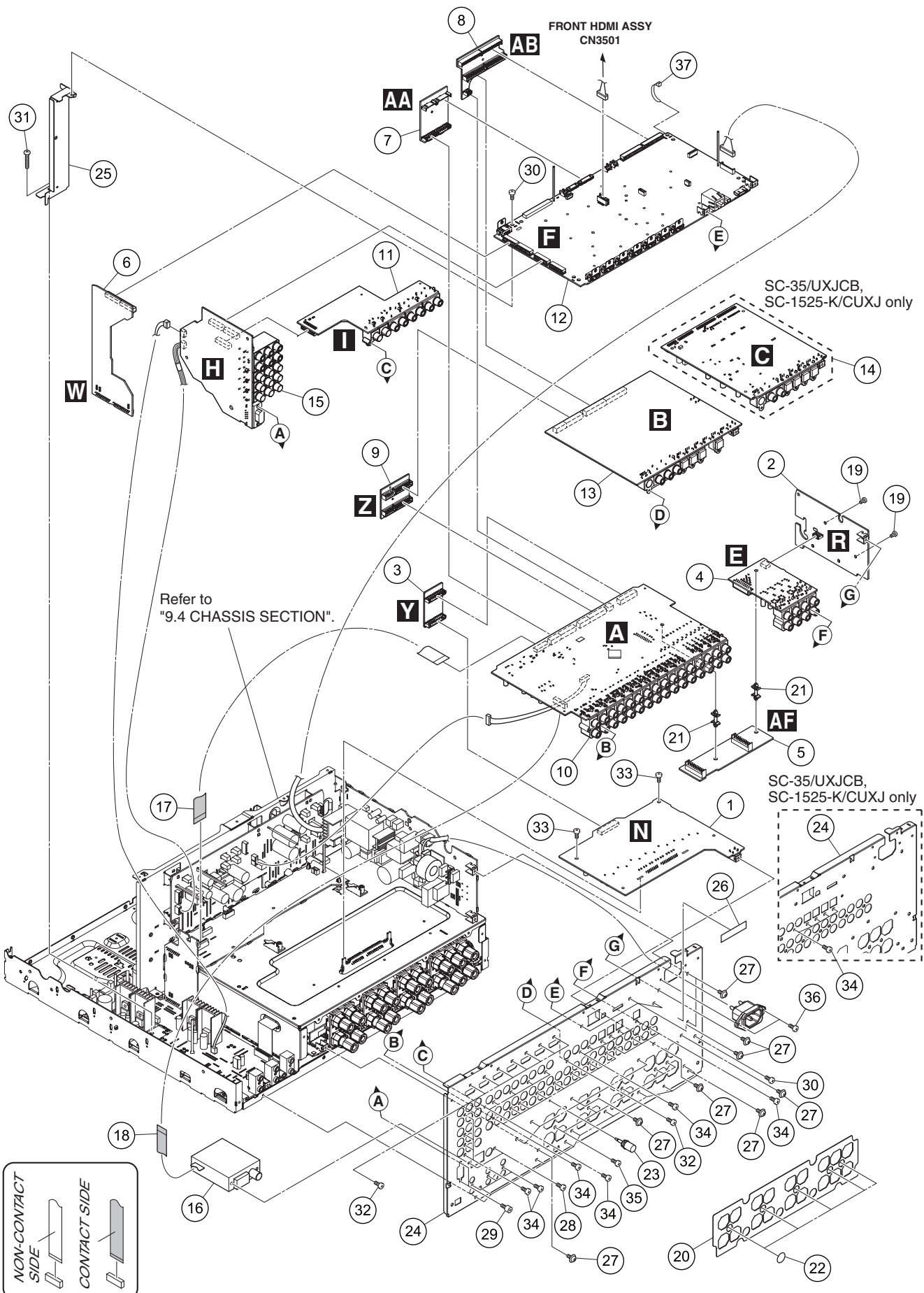
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**(1) REAR SECTION PARTS LIST**

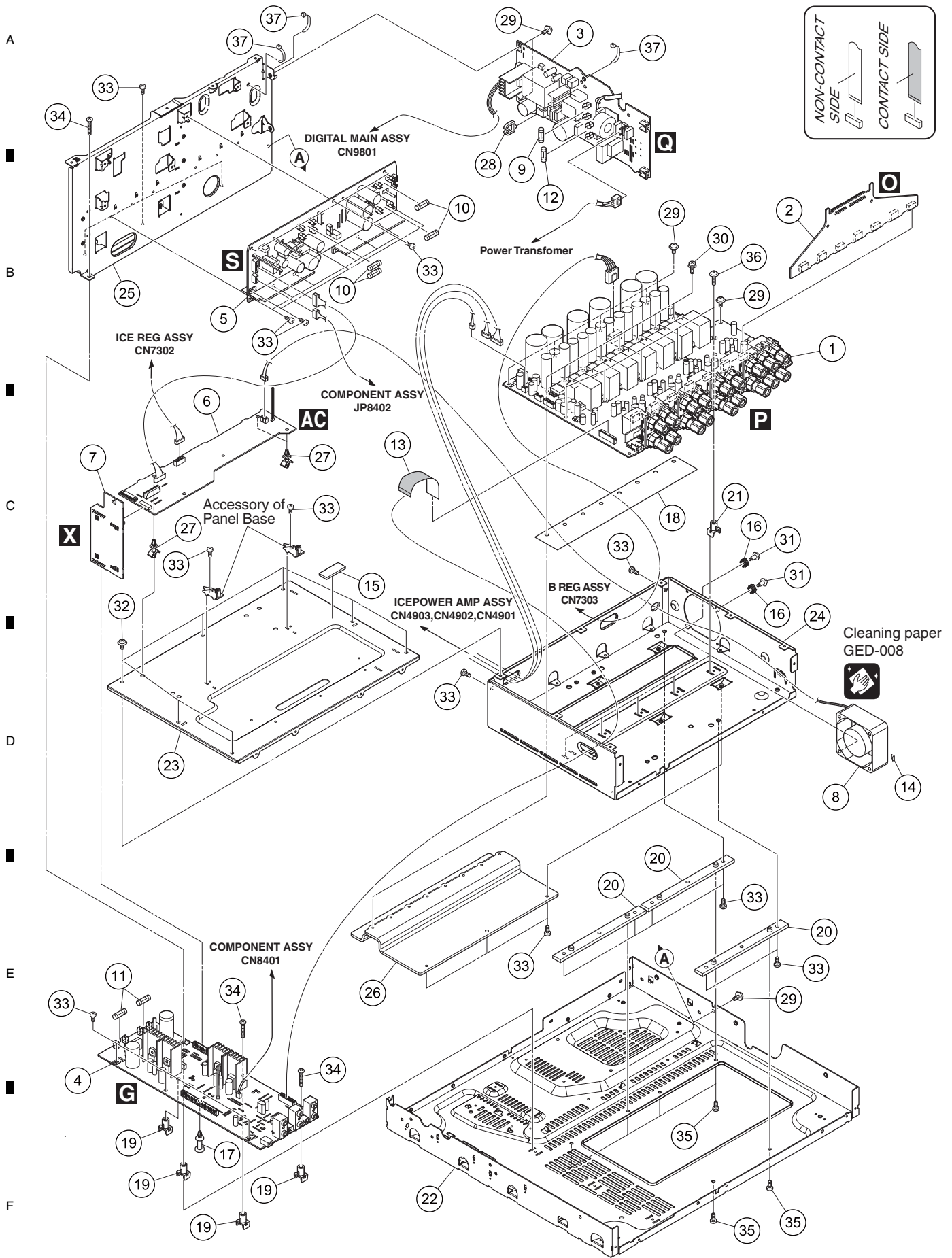
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|-----------------|---------------------|------------------------|-----------------|------------------------------|------------------------|
| 1               | ICE BUFFER ASSY     | AWX9598                | 21              | Locking Spacer               | AEC7643                |
| 2               | PRIMARY SHIELD ASSY | AWX9603                | 22              | Cushion Circle 14B           | AED7081                |
| 3               | PRE BRIDGE ASSY     | AWX9611                | 23              | Terminal Screw               | AKE-031                |
| 4               | MULTI CH IN ASSY    | AWX9616                | 24              | Rear Panel                   | See Contrast table (2) |
| 5               | MCH BRIDGE ASSY     | AWX9617                | 25              | Right Angle 83               | ANG7669                |
| 6               | CONNECT ASSY        | AWX9619                | NSP 26          | Serial Label S               | VRW2017                |
| 7               | D-AUDIO BRIDGE ASSY | AWX9569                | 27              | Screw                        | ABA1011                |
| 8               | D-DAC BRIDGE ASSY   | AWX9570                | 28              | Screw (FE)                   | ABA1207                |
| 9               | A-DAC BRIDGE ASSY   | AWX9571                | 29              | Hex head Screw 2.85 X 7 (BS) | ABA7078                |
| 10              | AUDIO ASSY          | AWX9647                | 30              | Screw                        | BBZ30P060FCC           |
| 11              | COMPOSITE ASSY      | AWX9652                | 31              | Screw                        | BBZ30P180FCC           |
| 12              | DIGITAL MAIN ASSY   | See Contrast table (2) | 32              | Screw                        | BMZ30P040FTB           |
| 13              | DAC HIGH ASSY       | See Contrast table (2) | 33              | Screw                        | BPZ30P080FNI           |
| 14              | DAC LOW ASSY        | See Contrast table (2) | 34              | Screw                        | BPZ30P080FTB           |
| 15              | COMPONENT ASSY      | AWX9654                | 35              | Screw                        | BPZ30P100FTC           |
| 16              | FM/AM Tuner Unit    | AXX7267                | 36              | Screw                        | CBZ30P080FTB           |
| 17              | 15P FFC/60V (J3)    | ADD7725                | 37              | Binder (BK-1)                | ZCA-BK1                |
| 18              | 11P FFC/60V (J7)    | ADD7729                |                 |                              |                        |
| 19              | Push Rivet          | AEC7071                |                 |                              |                        |
| 20              | SP Sheet 83         | AEC7640                |                 |                              |                        |

**(2) CONTRAST TABLE**

SC-37/UXJCB, SC-35/UXJCB and SC-1525-K/CUXJ are constructed the same except for the following:

| <u>Mark</u> | <u>No.</u> | <u>Symbol and Description</u> | <u>SC-37/UXJCB</u> | <u>SC-35/UXJCB</u> | <u>SC-1525-K/CUXJ</u> |
|-------------|------------|-------------------------------|--------------------|--------------------|-----------------------|
|             | 12         | DIGITAL MAIN ASSY             | AWX9620            | AWX9621            | AWX9621               |
|             | 13         | DAC HIGH ASSY                 | AWX9622            | Not used           | Not used              |
|             | 14         | DAC LOW ASSY                  | Not used           | AWX9658            | AWX9658               |
|             | 24         | Rear Panel                    | ANC8568            | ANC8576            | ANC8577               |

# 9.4 CHASSIS SECTION



**(1) CHASSIS SECTION PARTS LIST**

| <u>Mark No.</u> | <u>Description</u>                    | <u>Part No.</u>        | <u>Mark No.</u> | <u>Description</u> | <u>Part No.</u> |
|-----------------|---------------------------------------|------------------------|-----------------|--------------------|-----------------|
| 1               | ICEPOWER AMP ASSY                     | See Contrast table (2) | 21              | PCB Mold           | AMR7536         |
| 2               | ICE INTERFACE ASSY                    | AWX9596                | NSP 22          | Under Base 81      | ANA7210         |
| 3               | PRIMARY ASSY                          | AWX9604                | NSP 23          | ICE Cover 83       | ANF7054         |
| 4               | INTERFACE ASSY                        | AWX9605                | NSP 24          | ICE Box 83         | ANF7055         |
| 5               | REG ASSY                              | AWX9612                | 25              | REG ASSY Plate 81  | ANG7627         |
| 6               | FRONT BRIDGE ASSY                     | AWX9613                | NSP 26          | Heat Sink 82       | ANH7215         |
| 7               | FB-CONNECT ASSY                       | AWX9618                | NSP 27          | PCB Holder         | PNW2100         |
| ⚠ 8             | DC Fan Motor                          | AXM7040                | 28              | Holder             | VEC1355         |
| ⚠ 9             | Fuse (FU4 : 2A)                       | REK1139                | 29              | Screw              | ABA1011         |
| ⚠ 10            | Fuse (FU21, FU22, FU31, FU32 : 1.25A) | REK1143                | 30              | Screw 3 x 10 SEMS  | ABA7134         |
| ⚠ 11            | Fuse (FU51, FU52 : 1.6A)              | REK1144                | 31              | Screw 3 x 11.6     | ABA7146         |
| ⚠ 12            | Fuse (FU1 : 10A)                      | VEK1029                | 32              | Screw              | AMZ30P060FTC    |
| 13              | 17P FFC/60V (J4)                      | ADD7647                | 33              | Screw              | BBZ30P060FCC    |
| 14              | Cushion 5 x 8                         | AEB7397                | 34              | Screw              | BBZ30P180FCC    |
| 15              | Cushion T3 x 20 x 35                  | AEB7406                | 35              | Screw              | BPZ30P080FNI    |
| 16              | Damper Bushing 83                     | AEB7425                | 36              | Screw              | IBZ30P150FCC    |
| 17              | PCB Spacer                            | AEC7080                | 37              | Binder (BK-1)      | ZCA-BK1         |
| 18              | Radiation Sheet 82                    | AEE7071                |                 |                    |                 |
| 19              | PCB Mold                              | AMR2533                |                 |                    |                 |
| 20              | Insulator ICE                         | AMR7523                |                 |                    |                 |

**(2) CONTRAST TABLE**

SC-37/UXJCB, SC-35/UXJCB and SC-1525-K/CUXJ are constructed the same except for the following:

| <u>Mark</u> | <u>No.</u> | <u>Symbol and Description</u> | <u>SC-37/UXJCB</u> | <u>SC-35/UXJCB</u> | <u>SC-1525-K/CUXJ</u> |
|-------------|------------|-------------------------------|--------------------|--------------------|-----------------------|
|             | 1          | ICEPOWER AMP ASSY             | AWH7024            | AWH7025            | AWH7025               |

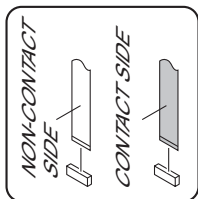
# 9.5 FRONT SECTION

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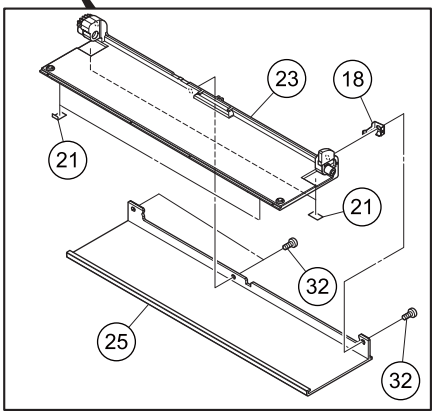
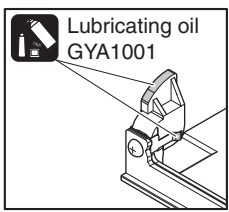
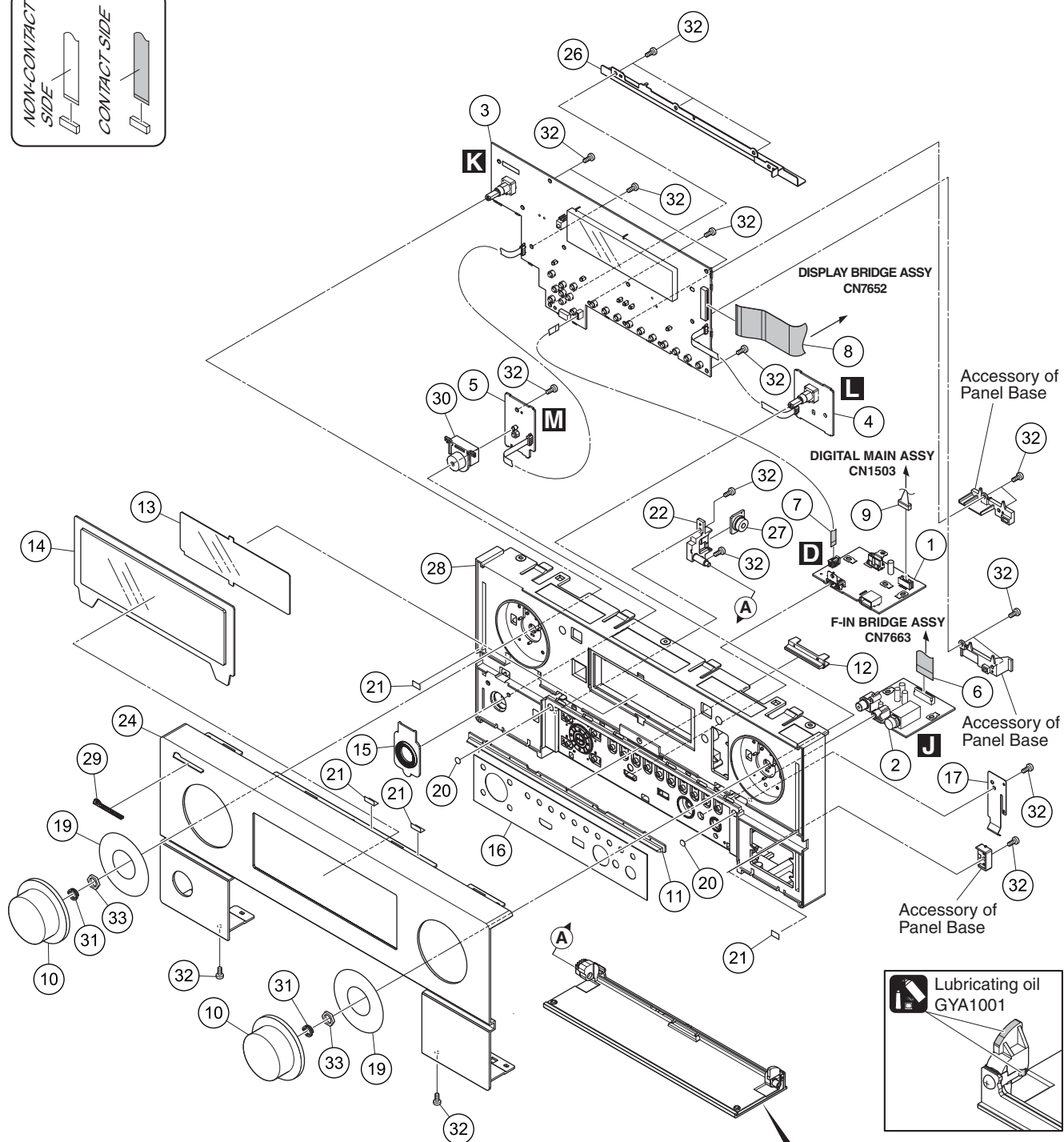
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**(1) FRONT SECTION PARTS LIST**

| <u>Mark No.</u> | <u>Description</u>    | <u>Part No.</u>        | <u>Mark No.</u> | <u>Description</u>   | <u>Part No.</u>        |
|-----------------|-----------------------|------------------------|-----------------|----------------------|------------------------|
| 1               | FRONT HDMI ASSY       | AWX9597                | 16              | Door Sheet           | See Contrast table (2) |
| 2               | MIC HP ASSY           | AWX9599                | 17              | Door Spring          | ABK7061                |
| 3               | DISPLAY ASSY          | See Contrast table (2) | 18              | Earth Spring 81      | ABK7067                |
| 4               | VOL ASSY              | AWX9601                | 19              | VOL Stabilizer 82    | AEC7629                |
| 5               | POWER SW ASSY         | AWX9602                | 20              | Cushion Circle 6B    | AED7083                |
| 6               | 15P FFC/60V (J2)      | ADD7724                | 21              | Cushion 11 x 7       | AED7092                |
| 7               | 4P FFC/60V (J6)       | ADD7727                | 22              | Door Shaft 60        | AMR7531                |
| 8               | 39P FFC/60V (J19)     | ADD7728                | 23              | Door Base 81         | AMR7540                |
| 9               | 5P Housing ASSY (J26) | ADX7726                | 24              | Front Panel          | See Contrast table (2) |
| 10              | VOL. Knob B           | AAA7052                | 25              | Door Panel           | See Contrast table (2) |
| 11              | Center Lens           | See Contrast table (2) | 26              | Panel Beam 81        | ANG7620                |
| 12              | IB Lens V5SEL         | See Contrast table (2) | 27              | Damper ASSY (240) LX | AXA7156                |
| 13              | Filter                | See Contrast table (2) | 28              | P Base 27CU ASSY     | AZN8040                |
| 14              | Display Panel         | See Contrast table (2) | 29              | Pioneer Badge G      | See Contrast table (2) |
| 15              | Power Ring            | AAK8507                | 30              | STDBY BTN 915K ASSY  | XAD3216                |
|                 |                       |                        | NSP 31          | C RING DIA 8.1       | XBH3016                |
|                 |                       |                        | 32              | Screw                | BPZ30P080FNI           |
|                 |                       |                        | 33              | Nut                  | NK90FTC                |

**(2) CONTRAST TABLE**

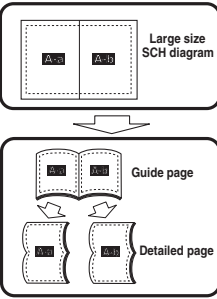
SC-37/UXJCB, SC-35/UXJCB and SC-1525-K/CUXJ are constructed the same except for the following:

| <u>Mark</u> | <u>No.</u> | <u>Symbol and Description</u> | <u>SC-37/UXJCB</u> | <u>SC-35/UXJCB</u> | <u>SC-1525-K/CUXJ</u> |
|-------------|------------|-------------------------------|--------------------|--------------------|-----------------------|
|             | 3          | DISPLAY ASSY                  | AWX9600            | AWX9686            | AWX9687               |
|             | 11         | Center Lens                   | AAK8428            | AAK8428            | AAK8429               |
|             | 12         | IB Lens V5SEL                 | AAK8430            | AAK8430            | Not used              |
|             | 13         | Filter                        | AAK8443            | AAK8443            | AAK8459               |
|             | 14         | Display Panel                 | AAK8488            | AAK8488            | AAK8492               |
|             | 16         | Door Sheet                    | AAK8535            | AAK8535            | AAK8536               |
|             | 24         | Front Panel                   | ANB7531            | ANB7534            | ANB7535               |
|             | 25         | Door Panel                    | ANB7538            | ANB7538            | ANB7539               |
|             | 29         | Pioneer Badge G               | VAM1159            | VAM1159            | VAM1158               |

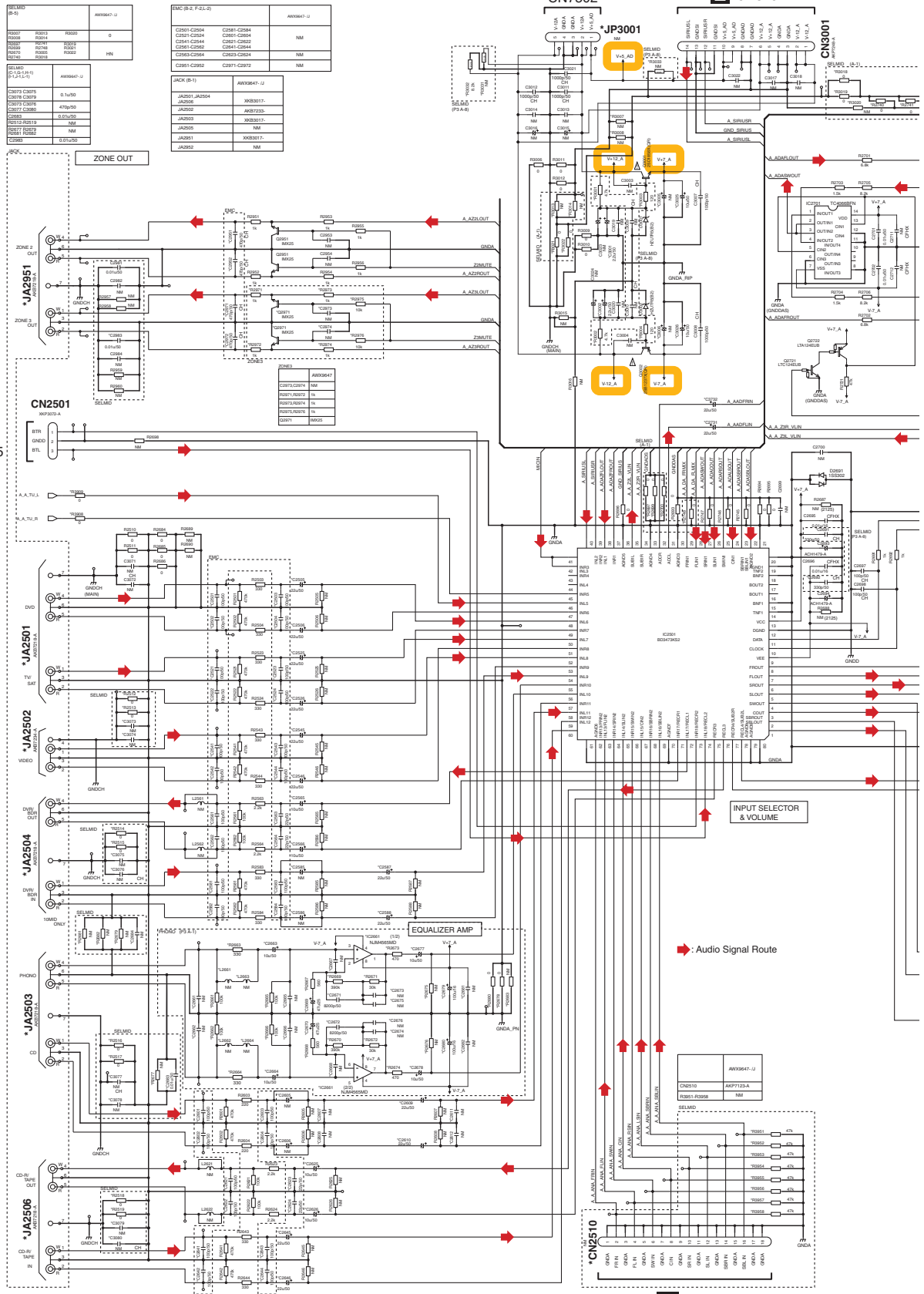
# 10. SCHEMATIC DIAGRAM

## 10.1 AUDIO ASSY (1/3)(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".



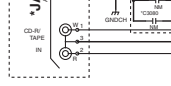
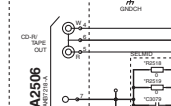
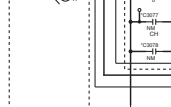
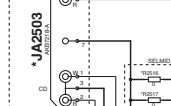
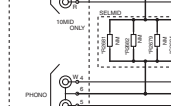
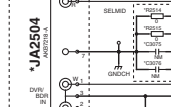
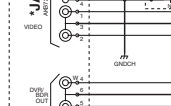
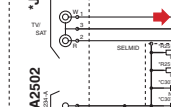
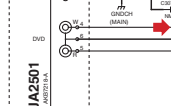
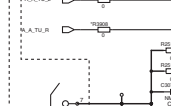
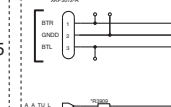
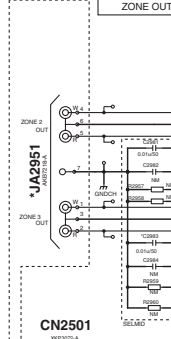
**A-a** 1/3



| SELMD (B-1) | AW09647-U |
|-------------|-----------|
| R002        | R003      |
| R008        | R004      |
| R009        | R005      |
| R010        | R006      |
| R014        | R007      |
| R015        | R008      |
| R016        | R009      |
| R017        | R010      |

| EMC (B-2) P-12-1 | AW09647-U   |
|------------------|-------------|
| C2001-C2004      | C2001-C2004 |
| C2011-C2014      | C2011-C2014 |
| C2021-C2024      | C2021-C2024 |
| C2031-C2034      | C2031-C2034 |
| C2041-C2044      | C2041-C2044 |
| C2051-C2054      | C2051-C2054 |
| C2061-C2064      | C2061-C2064 |
| C2071-C2074      | C2071-C2074 |

| JACK (B-1) | AW09647-U |
|------------|-----------|
| JAK01      | JAK01     |
| JAK02      | JAK02     |
| JAK03      | JAK03     |
| JAK04      | JAK04     |
| JAK05      | JAK05     |
| JAK06      | JAK06     |
| JAK07      | JAK07     |
| JAK08      | JAK08     |
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| JAK11      | JAK11     |
| JAK12      | JAK12     |

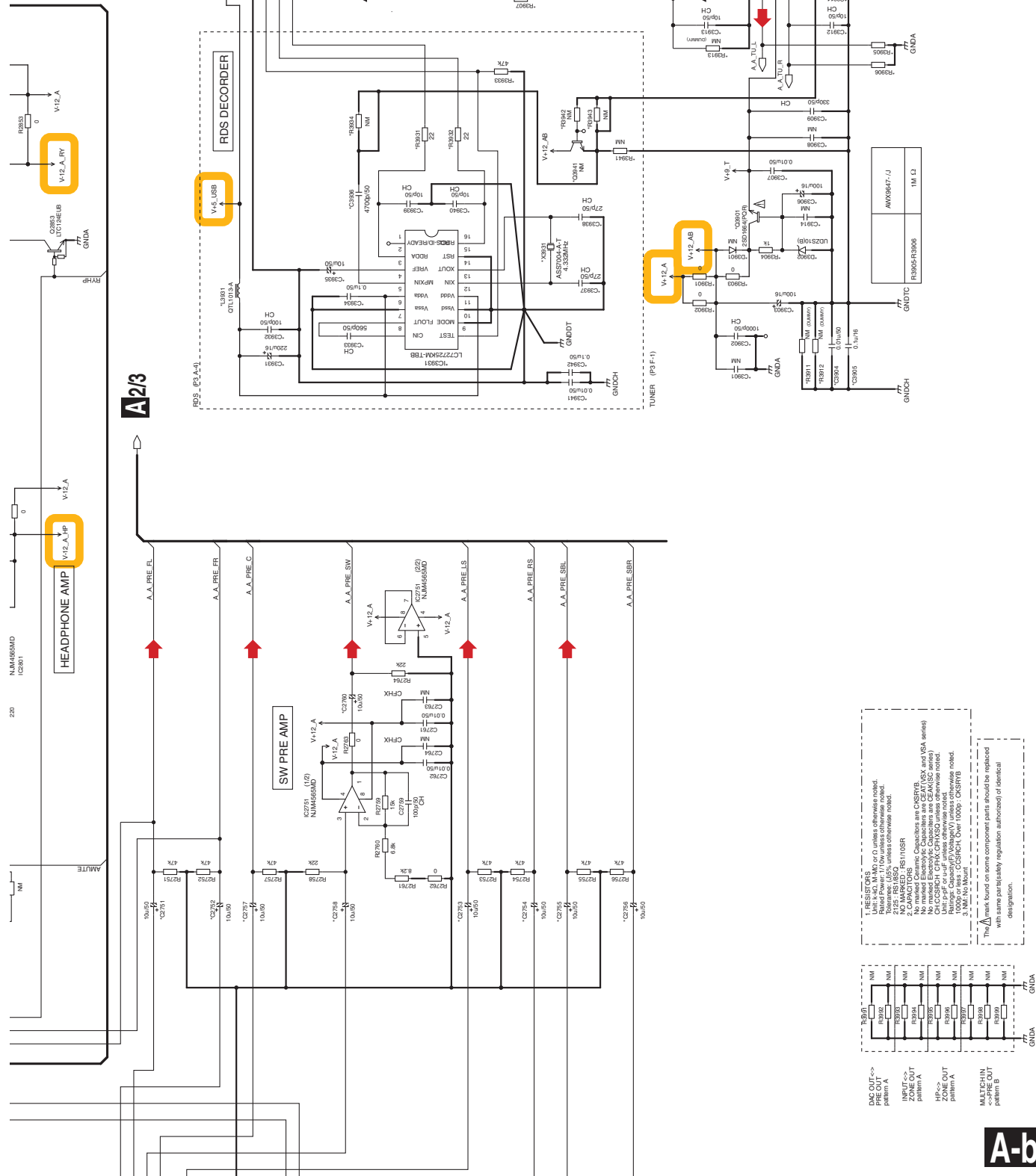


**A** 1/3

**AF** CN7671







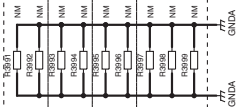
AA CN3772

TUNER MODULE

A2/3

SC-37

RESISTOR VALUE: 0 unless otherwise noted.  
 UNLESS OTHERWISE NOTED.  
 225 - R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158, R159, R160, R161, R162, R163, R164, R165, R166, R167, R168, R169, R170, R171, R172, R173, R174, R175, R176, R177, R178, R179, R180, R181, R182, R183, R184, R185, R186, R187, R188, R189, R190, R191, R192, R193, R194, R195, R196, R197, R198, R199, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246, R247, R248, R249, R250, R251, R252, R253, R254, R255, R256, R257, R258, R259, R260, R261, R262, R263, R264, R265, R266, R267, R268, R269, R270, R271, R272, R273, R274, R275, R276, R277, R278, R279, R280, R281, R282, R283, R284, R285, R286, R287, R288, R289, R290, R291, R292, R293, R294, R295, R296, R297, R298, R299, R300, R301, R302, R303, R304, R305, R306, R307, R308, R309, R310, R311, R312, R313, R314, R315, R316, R317, R318, R319, R320, R321, R322, R323, R324, R325, R326, R327, R328, R329, R330, R331, R332, R333, R334, R335, R336, R337, R338, R339, R340, R341, R342, R343, R344, R345, R346, R347, R348, R349, R350, R351, R352, R353, R354, R355, R356, R357, R358, R359, R360, R361, R362, R363, R364, R365, R366, R367, R368, R369, R370, R371, R372, R373, 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R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600, R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692, R693, R694, R695, R696, R697, R698, R699, R700, R701, R702, R703, R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R715, R716, R717, R718, R719, R720, R721, R722, R723, R724, R725, R726, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R739, R740, R741, R742, R743, R744, R745, R746, R747, R748, R749, R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, R760, R761, R762, R763, R764, R765, R766, R767, R768, R769, R770, R771, R772, R773, R774, R775, R776, R777, R778, R779, R780, R781, R782, R783, R784, R785, R786, R787, R788, R789, R790, R791, R792, R793, R794, R795, R796, R797, R798, R799, R800, R801, R802, R803, R804, R805, R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817, R818, R819, R820, R821, R822, R823, R824, R825, R826, R827, R828, R829, R830, R831, R832, R833, R834, R835, R836, R837, R838, R839, R840, R841, R842, R843, R844, R845, R846, R847, R848, R849, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R864, R865, R866, R867, R868, R869, R870, R871, R872, R873, R874, R875, R876, R877, R878, R879, R880, R881, R882, R883, R884, R885, R886, R887, R888, R889, R890, R891, R892, R893, R894, R895, R896, R897, R898, R899, R900, R901, R902, R903, R904, R905, R906, R907, R908, R909, R910, R911, R912, R913, R914, R915, R916, R917, R918, R919, R920, R921, R922, R923, R924, R925, R926, R927, R928, R929, R930, R931, R932, R933, R934, R935, R936, R937, R938, R939, R940, R941, R942, R943, R944, R945, R946, R947, R948, R949, R950, R951, R952, R953, R954, R955, R956, R957, R958, R959, R960, R961, R962, R963, R964, R965, R966, R967, R968, R969, R970, R971, R972, R973, R974, R975, R976, R977, R978, R979, R980, R981, R982, R983, R984, R985, R986, R987, R988, R989, R990, R991, R992, R993, R994, R995, R996, R997, R998, R999, R1000.



DAC OUT -> pattern A  
 INPT OUT -> pattern A  
 MULTICHIN -> pattern B

A-a

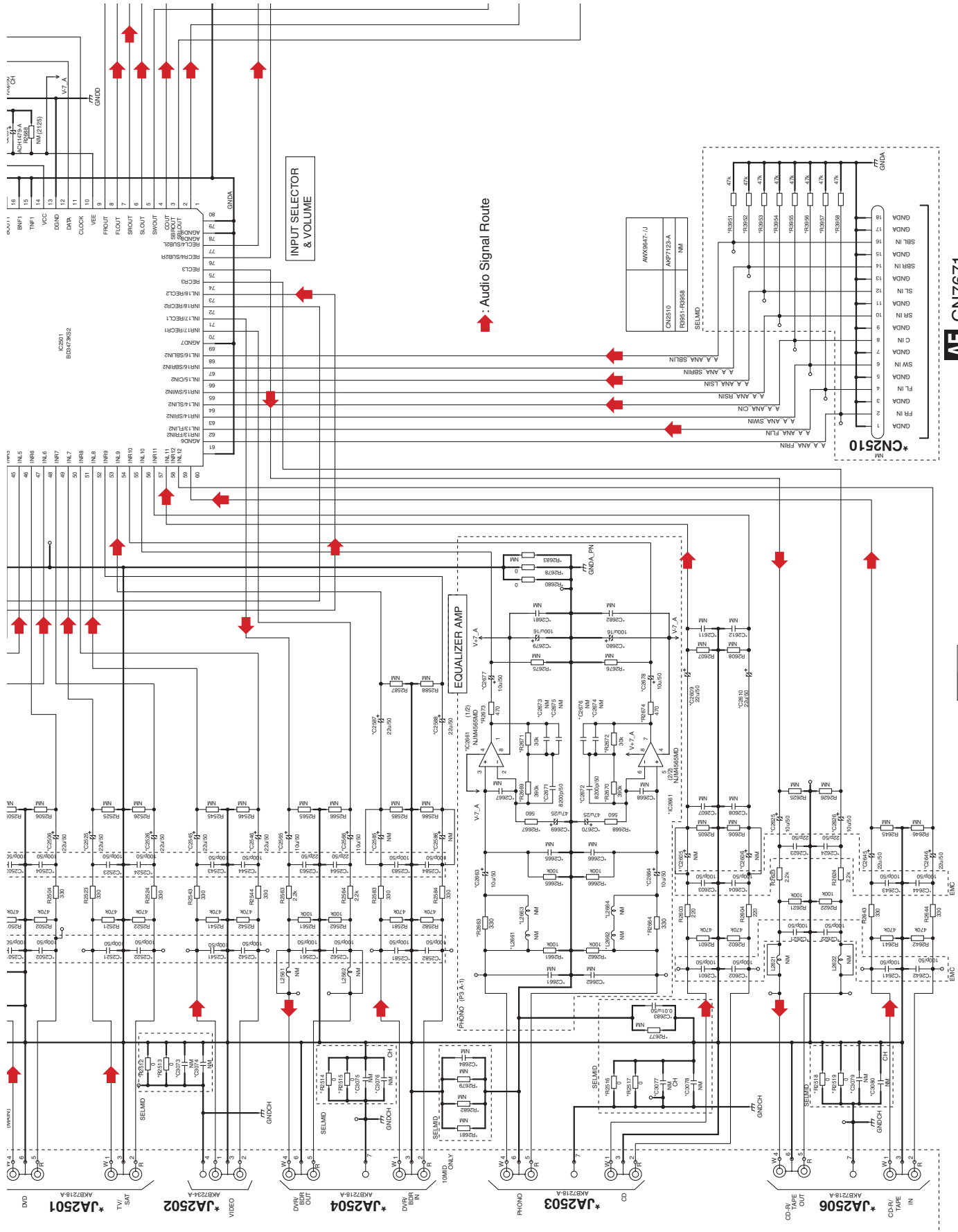
D

E

F

A-b 1/3





AF CN7671

A-a A-b

A-a 1/3

# 10.2 AUDIO ASSY (2/3)

| SEL MID | AVX9847   |
|---------|-----------|
| C3053   | ACH1480-A |
| C3054   | ACH1480-A |
| C3055   | 0.01u/16  |
| C3056   | 0.01u/16  |
| C3057   | 1000p/50  |
| C3058   | 1000p/50  |
| R3051   | 0         |
| R3052   | 0         |
| R3053   | NM        |
| R3054   | NM        |
| CN3051  | XKP3080-A |
| CN3052  | NM        |

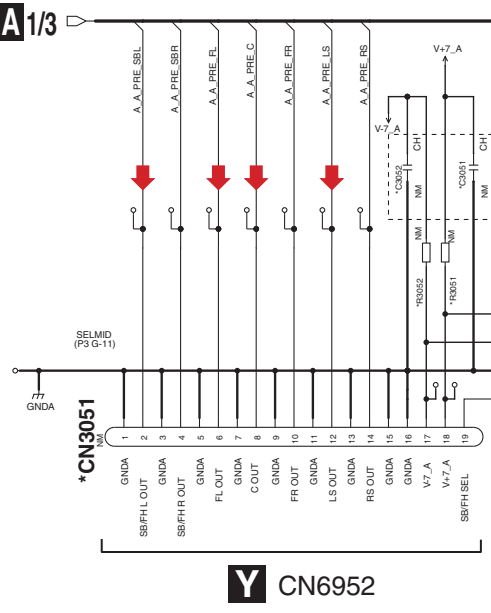
**NOTE**

1. RESISTORS  
 Unit: k-Ω, M-Ω or Ω unless otherwise noted.  
 Rated Power: 1/10w unless otherwise noted.  
 Tolerance: ±1% unless otherwise noted.  
 2125: RS1/8SQ  
 NO MARKED: RS1/10SR

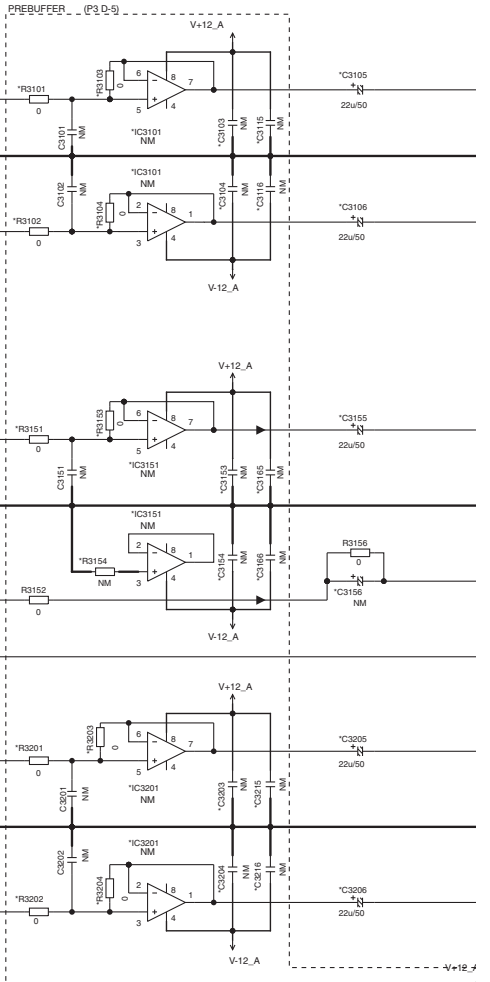
2. CAPACITORS  
 No marked Ceramic Capacitors are CKSRYB.  
 No marked Electrolytic Capacitors are CEAT(VSX and VSA series)  
 No marked Electrolytic Capacitors are CEAK(SIC series)  
 CH:CCSRCH CFHX:CFHXSO unless otherwise noted.  
 Unit: p-pF or u-uF unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
 1000p or less : CCSRCH, Over 1000p : CKSRYB  
 3. NM: No Mount

The  nu with sa des

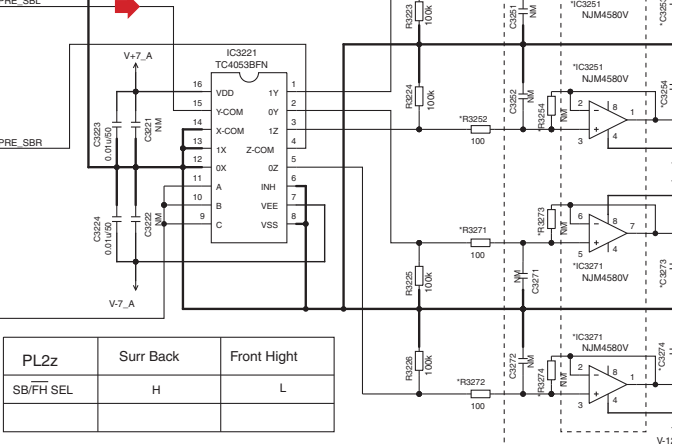
**A** 1/3



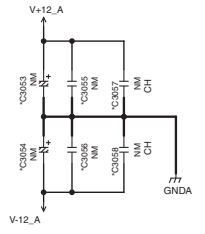
**PRE BUFFER**



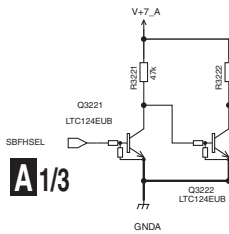
**PL2z SELECTOR**



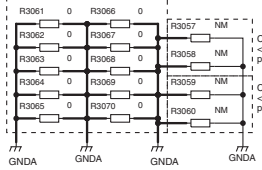
| PL2z      | Surr Back | Front Hight |
|-----------|-----------|-------------|
| SB/FH SEL | H         | L           |



**A** 1/3



**A** 1/3



|                                  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| MULTICH IN <-> PRE OUT pattern B | R3081 NM | R3082 NM | R3083 NM | R3084 NM | R3085 NM | R3086 NM | R3087 NM | R3088 NM | R3089 NM | R3090 NM | R3091 NM | R3092 NM | R3093 NM | R3094 NM | R3095 NM | R3096 NM | R3097 NM | R3098 NM | R3099 NM | R3100 NM |  |
| MULTICH IN <-> PRE OUT pattern A |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| INPUT <-> ZONE3 OUT pattern A    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ZONE2 <-> ZONE3 OUT pattern A    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ZONE2 <-> ZONE3 OUT pattern A    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |

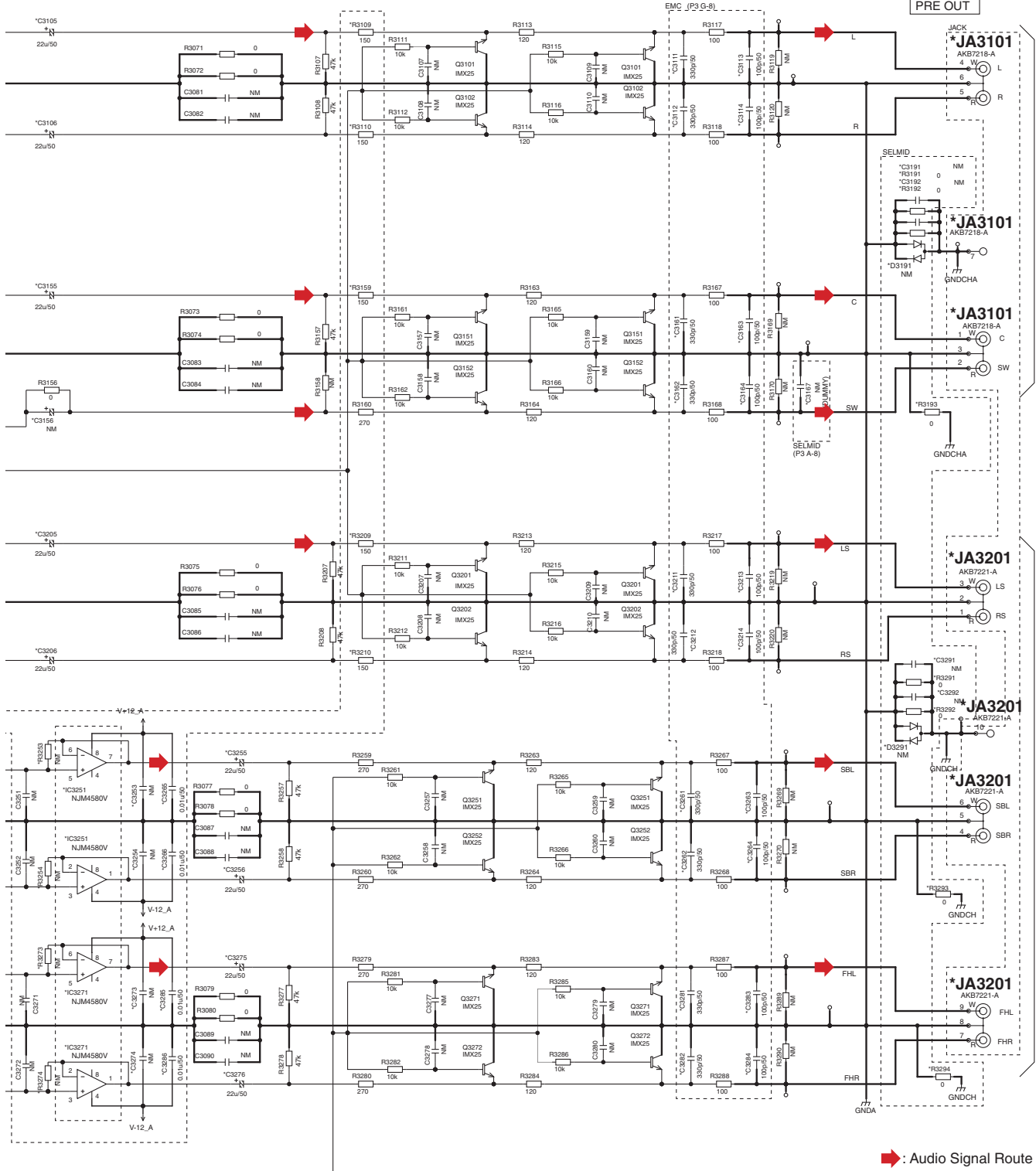
**A** 2/3

# A<sup>2/3</sup> AUDIO ASSY (2/3) (AWX9647)

The  $\Delta$  mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

|        |            |
|--------|------------|
|        | AWX9647-1J |
| JA3101 | XKB3017-   |
| JA3201 | XKB3037-   |

PRE OUT



➔ : Audio Signal Route

# 10.3 AUDIO ASSY (3/3)

PHONO (P1 L-2)

| AWX9647- JJ |           |
|-------------|-----------|
| C2661       | NM        |
| C2662       | NM        |
| C2663       | 10u/50    |
| C2664       | 10u/50    |
| C2665       | NM        |
| C2666       | NM        |
| C2667       | NM        |
| C2668       | NM        |
| C2669       | 47u/25    |
| C2670       | 47u/25    |
| C2671       | 8200p/50  |
| C2672       | 8200p/50  |
| C2673       | 1200p/50  |
| C2674       | 1200p/50  |
| C2675       | 1200p/50  |
| C2676       | 1200p/50  |
| C2677       | 10u/50    |
| C2678       | 10u/50    |
| C2679       | 100u/16   |
| C2680       | 100u/16   |
| C2681       | 0.1u/16   |
| C2682       | 0.1u/16   |
| R2661       | 100k      |
| R2662       | 100k      |
| R2663       | 330       |
| R2664       | 330       |
| R2665       | 100k      |
| R2666       | 100k      |
| R2667       | 560       |
| R2668       | 560       |
| R2669       | 390k      |
| R2670       | 390k      |
| R2671       | 30k       |
| R2672       | 30k       |
| R2673       | 470       |
| R2674       | 470       |
| R2675       | NM        |
| R2676       | NM        |
| R2678       | 0         |
| R2680       | 0         |
| R2683       | NM        |
| L2661       | NM        |
| L2662       | NM        |
| L2663       | NM        |
| L2664       | NM        |
| IC2661      | NJM4569MD |

TUNER (P1 J-13)

| AWX9647- JJ |              |
|-------------|--------------|
| C3901       | NM           |
| C3902       | 1000p/50     |
| C3903       | 100u/16      |
| C3904       | 0.01u/50     |
| C3905       | 0.1u/16      |
| C3906       | 100u/16      |
| C3907       | 0.01u/50     |
| C3908       | NM           |
| C3909       | 330p/50      |
| C3911       | 10p/50       |
| C3912       | 10p/50       |
| C3913       | 10p/50       |
| C3914       | NM           |
| C3915       | NM           |
| C3916       | NM           |
| C3917       | NM           |
| R3901       | 0            |
| R3902       | 0            |
| R3903       | 0            |
| R3904       | 1k           |
| R3905       | 1M           |
| R3906       | 1M           |
| R3907       | 0            |
| R3910       | NM           |
| R3911       | NM           |
| R3912       | NM           |
| R3913       | NM           |
| CN3902      | 9604S-11C    |
| D3901       | NM           |
| D3902       | UDZS10(B)    |
| Q3901       | 2SD1664(PQR) |

RDS (P1 G-13)

| AWX9647- JJ |           |
|-------------|-----------|
| C3931       | NM        |
| C3932       | 1000p/50  |
| C3933       | NM        |
| C3934       | 0.01u/50  |
| C3935       | NM        |
| C3936       | NM        |
| C3937       | NM        |
| C3938       | NM        |
| C3939       | 100p/50   |
| C3940       | 100p/50   |
| C3941       | NM        |
| C3942       | NM        |
| R3931       | 0         |
| R3932       | 0         |
| R3933       | 0         |
| R3934       | NM        |
| R3941       | NM        |
| R3942       | NM        |
| R3943       | NM        |
| L3931       | QTL1013-A |
| IC3931      | NM        |
| Q3941       | NM        |
| X3931       | NM        |

PREBUFFER (P2 B-5)

| AWX9647- JJ |          |
|-------------|----------|
| C3103       | 0.01u/16 |
| C3104       | 0.01u/16 |
| C3115       | NM       |
| C3116       | NM       |
| C3153       | 0.01u/16 |
| C3154       | 0.01u/16 |
| C3165       | NM       |
| C3166       | NM       |
| C3203       | 0.01u/16 |
| C3204       | 0.01u/16 |
| C3215       | NM       |
| C3216       | NM       |
| C3253       | 0.01u/16 |
| C3254       | 0.01u/16 |
| C3265       | NM       |
| C3266       | NM       |
| C3273       | 0.01u/16 |
| C3274       | 0.01u/16 |
| C3285       | NM       |
| C3286       | NM       |
| R3101       | 100      |
| R3102       | 100      |
| R3103       | NM       |
| R3104       | NM       |
| R3109       | 270      |
| R3110       | 270      |
| R3151       | 100      |
| R3153       | NM       |
| R3154       | 0        |
| R3159       | 270      |
| R3201       | 100      |
| R3202       | 100      |
| R3203       | NM       |
| R3204       | NM       |
| R3209       | 270      |
| R3210       | 270      |
| R3253       | NM       |
| R3254       | NM       |
| R3273       | NM       |
| R3274       | NM       |
| IC3101      | NJM4580V |
| IC3151      | NJM4580V |
| IC3201      | NJM4580V |
| IC3251      | NJM4580V |
| IC3271      | NJM4580V |

NOTE

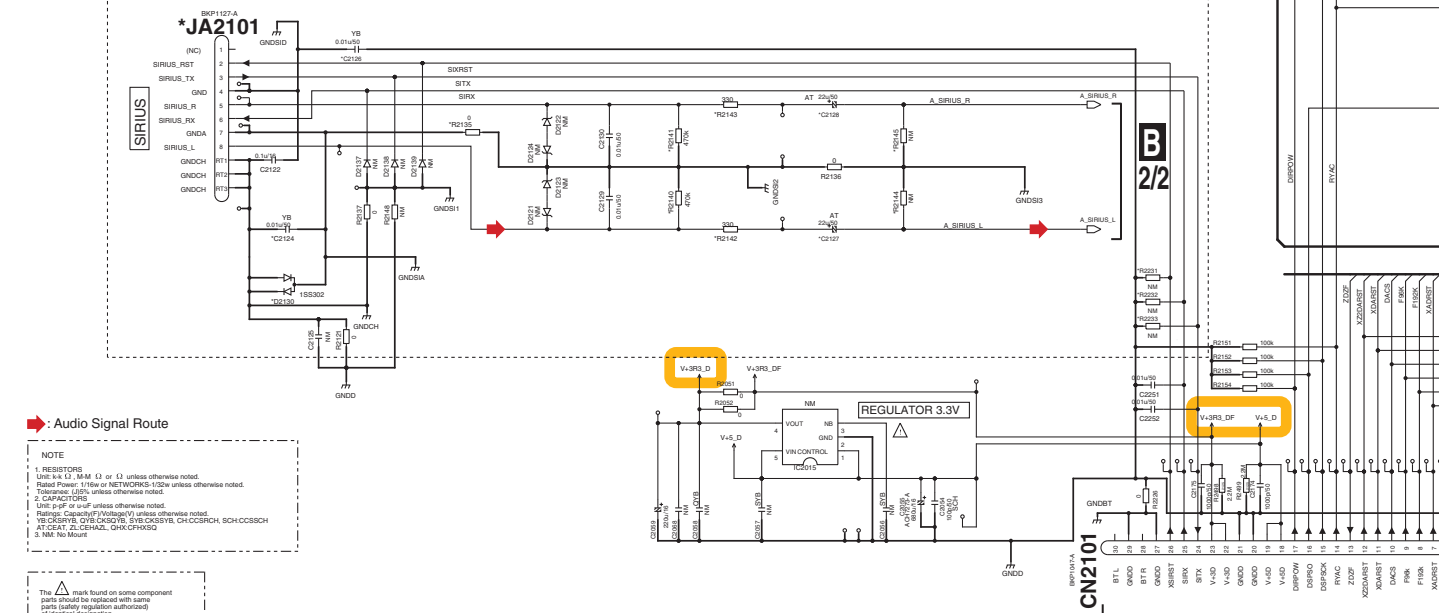
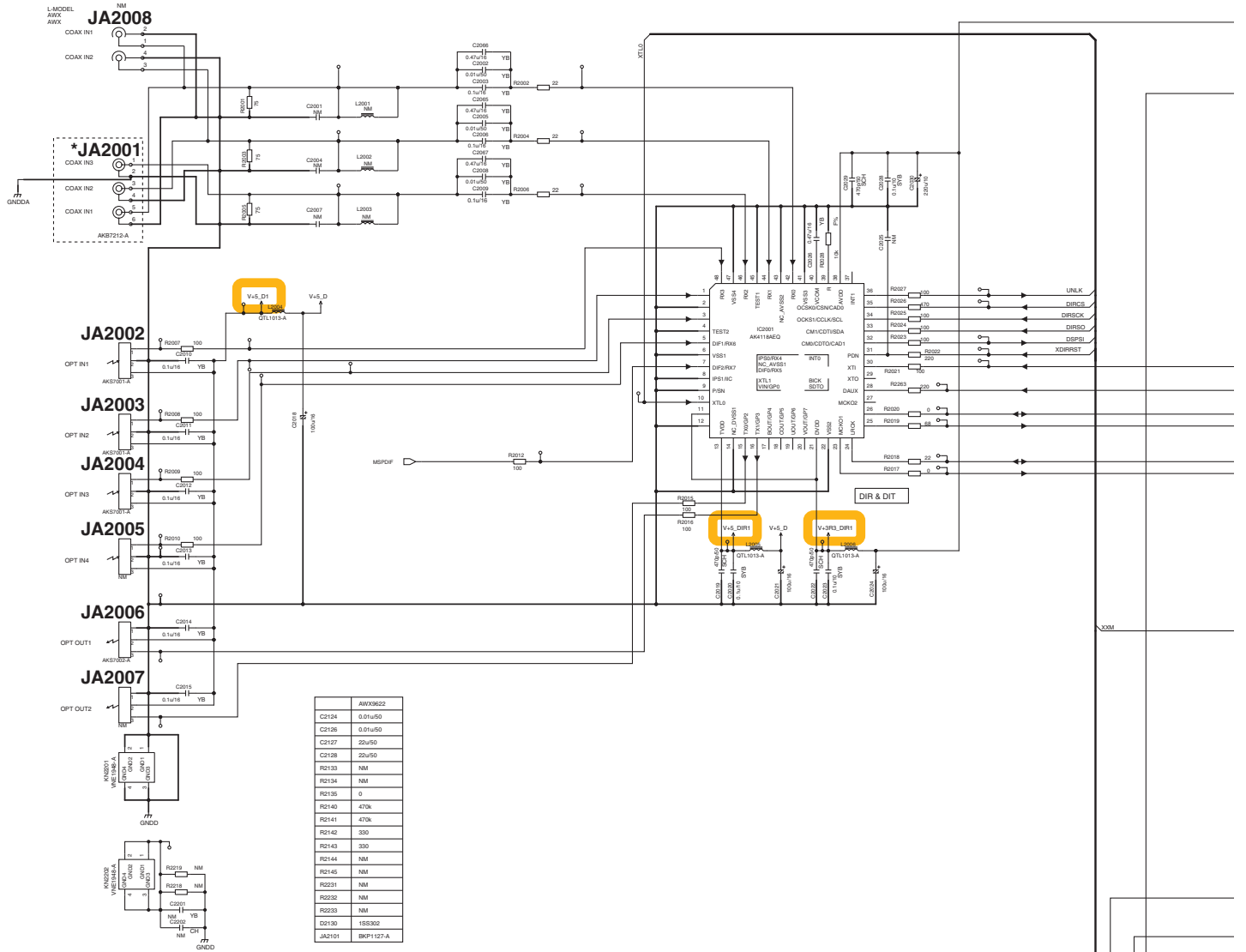
- 1. RESISTORS  
Unit: k- $\Omega$ , M- $\Omega$  or Y unless otherwise noted.  
Rated Power: 1/10w unless otherwise noted.  
Tolerance: J:5% unless otherwise noted.  
2125: RS1/RS0
- 2. CAPACITORS  
No marked Ceramic Capacitors are CKSRYB.  
No marked Electrolytic Capacitors are CEAT(VSX and VSA series)  
No marked Electrolytic Capacitors are CEAK(SC series)  
CH:CCSRCH, CFH,CFHXSD unless otherwise noted.  
Unit: p-pF or  $\mu$ -F unless otherwise noted.  
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
1000p or less : CCSRCH, Over 1000p : CKSRYB
- 3. NM: No Mount



# 10.4 DAC HIGH ASSY (1/2) (SC-37)

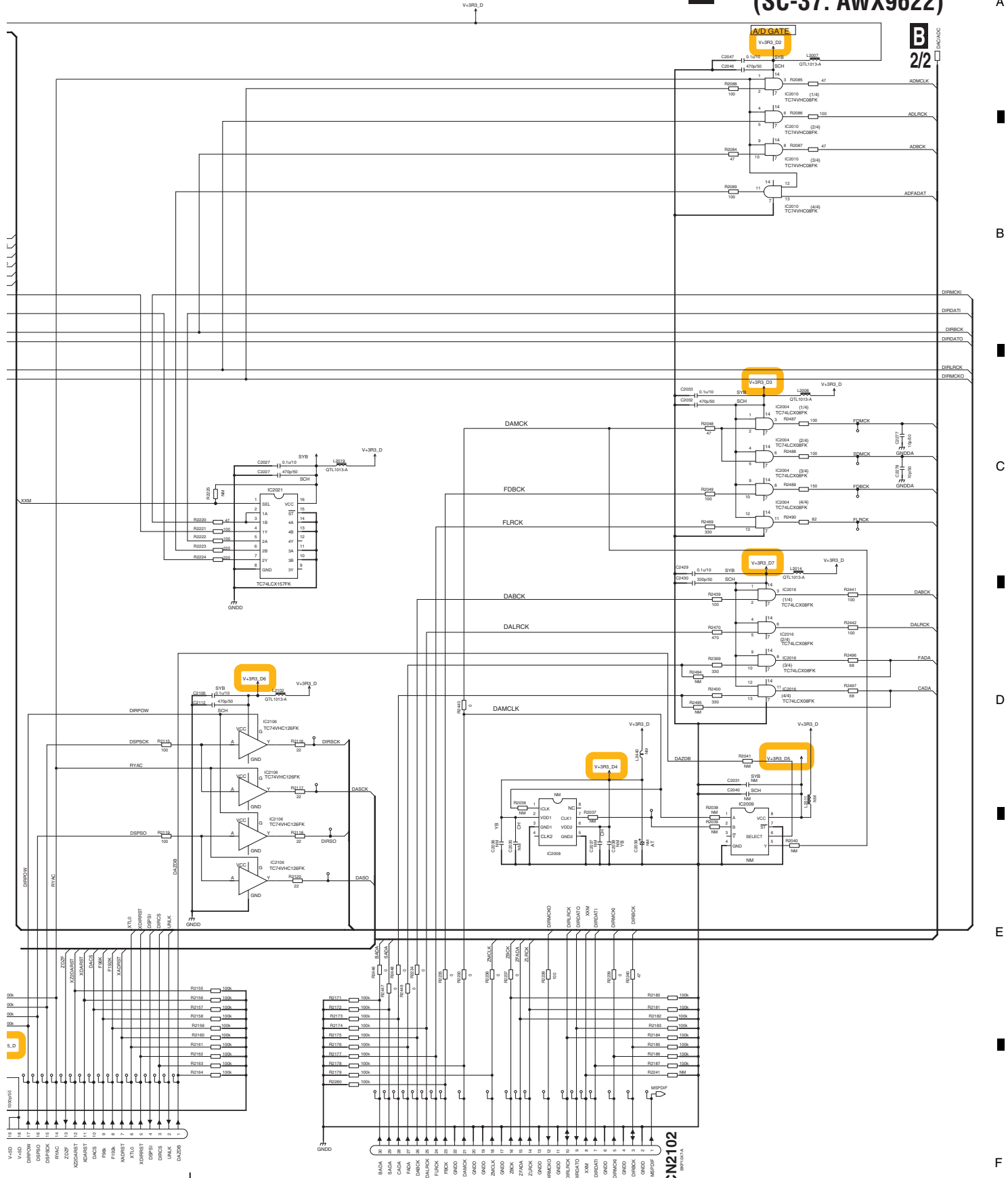
|           |        |
|-----------|--------|
| AWX9622   | JA2001 |
| AK57255-A |        |

A  
B  
C  
D  
E  
F



**B1/2**

# B1/2 DAC HIGH ASSY (1/2) (SC-37: AWX9622)



**B** CN3783

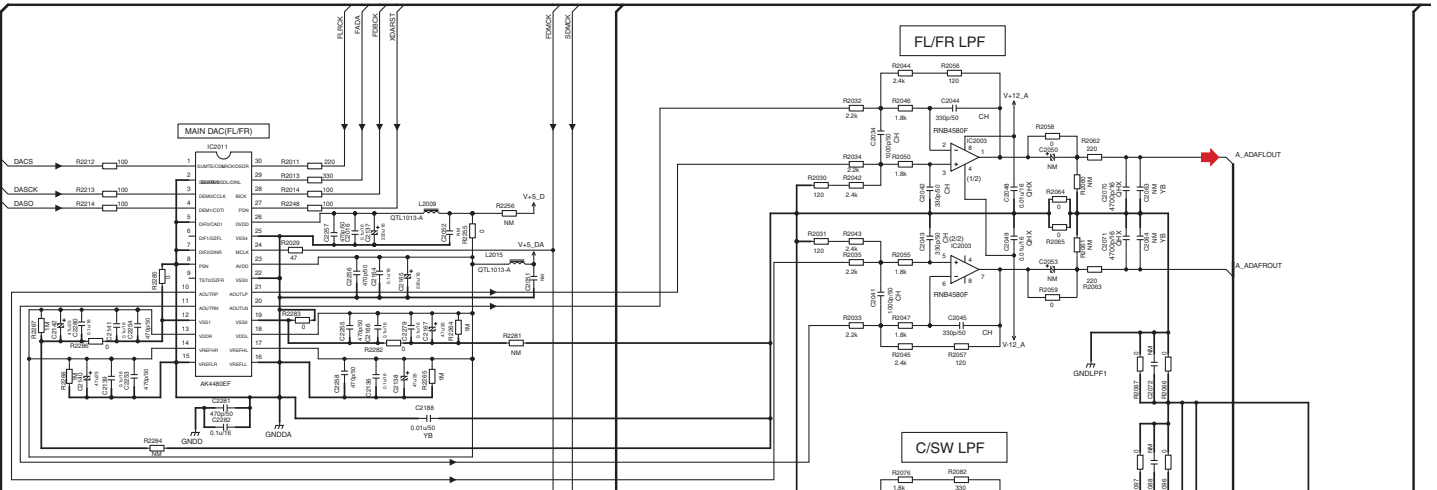
**AB** CN3781

**B1/2**

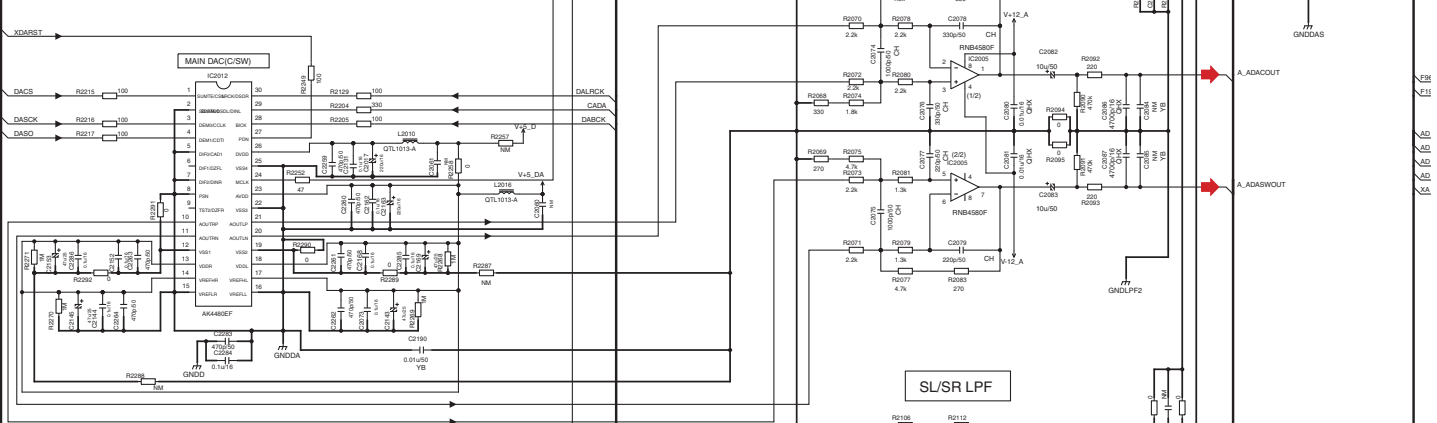
SC-37

# 10.5 DAC HIGH ASSY (2/2) (SC-37)

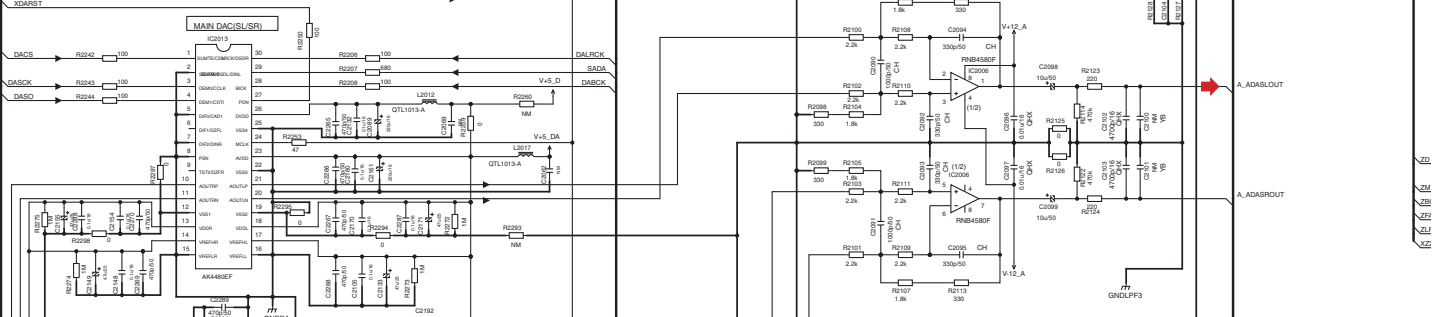
A



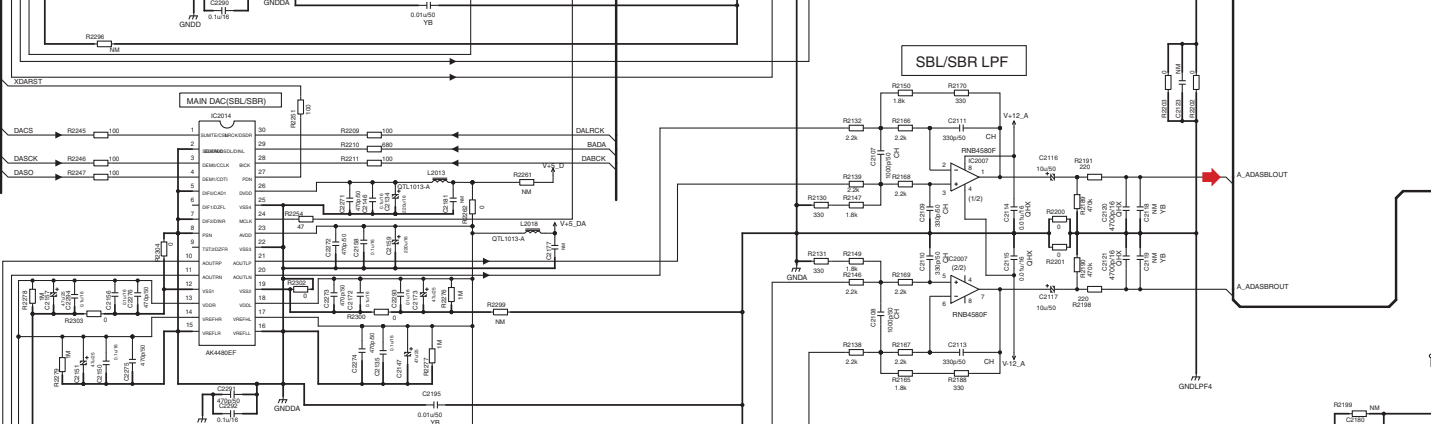
B



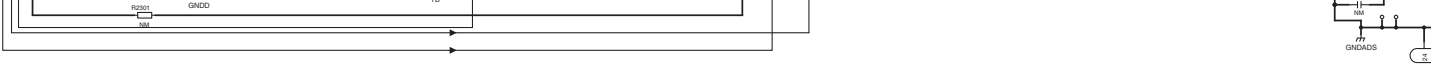
C



D



E



F

Audio Signal Route

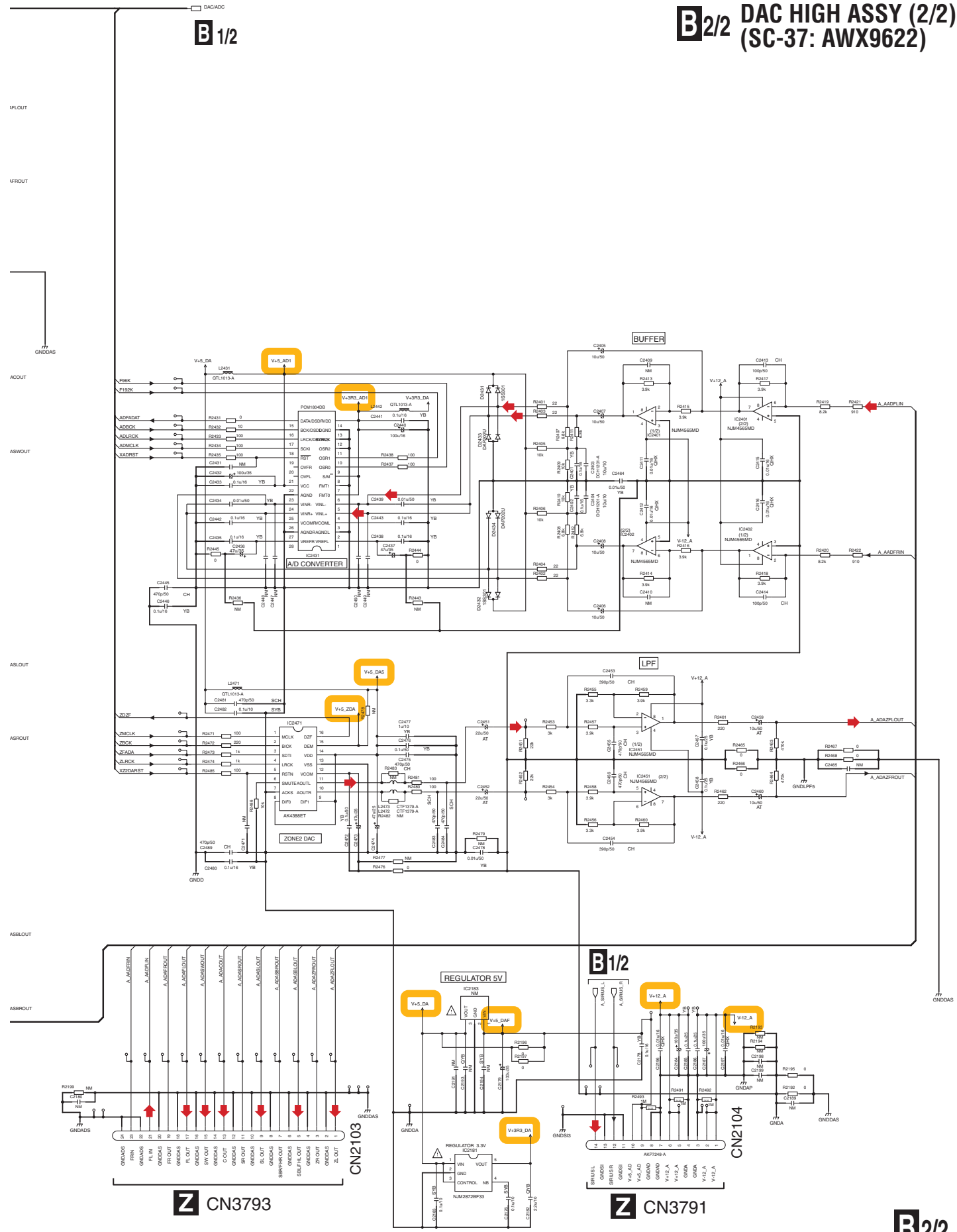
NOTE

1. RESISTORS: 100k, 10k, 1M, 100Ω or Ω unless otherwise noted.
2. CAPACITORS: 100nF, 10nF, 100pF, 10μF, 100μF unless otherwise noted.
3. CAPACITORS: 100nF, 10nF, 100pF, 10μF, 100μF unless otherwise noted.
4. UNLESS OTHERWISE NOTED, ALL PARTS ARE 0603 UNLESS OTHERWISE NOTED.
5. YB: CDSYB, DYS, CDSYB, SVB, CDSYB, CH, CDSYB, SCH, CDSYB, AT, CAT, AL, CDSYB, CH, CDSYB.
6. NM: No Mount.

The  $\Delta$  mark found on some component parts indicates that the component is a safety regulation authorized part (safety regulation authorized).

# B2/2 DAC HIGH ASSY (2/2) (SC-37: AWX9622)

B1/2



Z CN3793

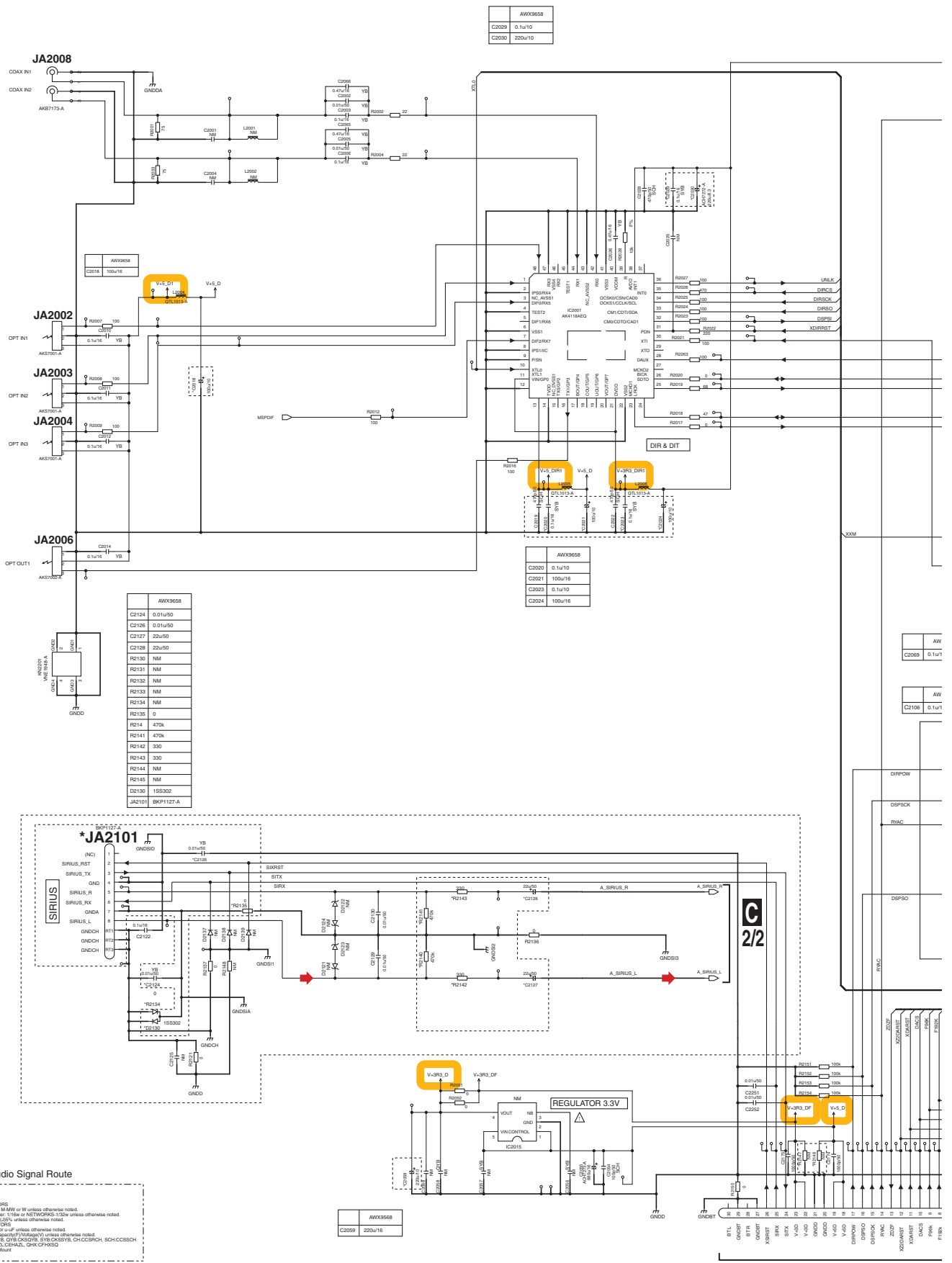
Z CN3791

SC-37

B2/2

# 10.6 DAC LOW ASSY (1/2) (SC-35, SC-1525-K)

A  
B  
C  
D  
E  
F



| AWX9558 |         |
|---------|---------|
| C2009   | 0.1u/10 |
| C2030   | 220u/10 |

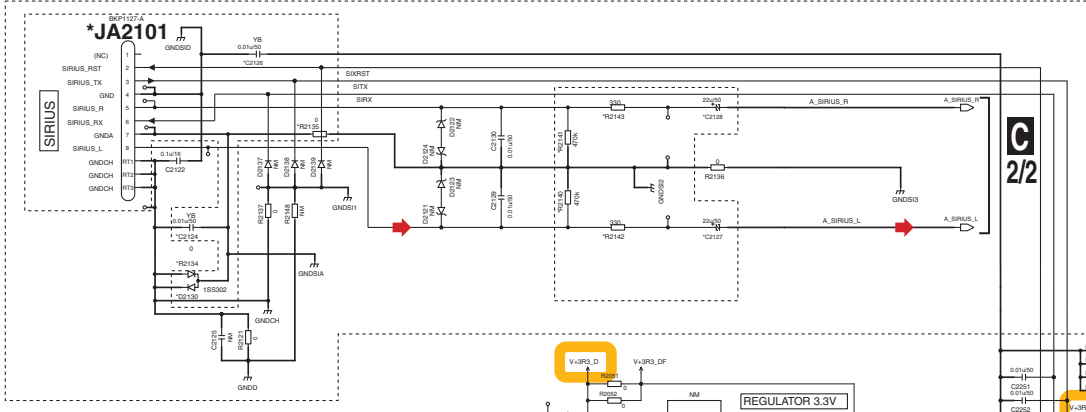
| AWX9558 |         |
|---------|---------|
| C2019   | 100u/16 |

| AWX9558 |         |
|---------|---------|
| C2020   | 0.1u/10 |
| C2021   | 100u/16 |
| C2022   | 0.1u/10 |
| C2024   | 100u/16 |

| AWX9558 |           |
|---------|-----------|
| C2124   | 0.01u/50  |
| C2126   | 0.01u/50  |
| C2127   | 220u/16   |
| C2128   | 220u/16   |
| R2130   | NM        |
| R2131   | NM        |
| R2132   | NM        |
| R2133   | NM        |
| R2134   | NM        |
| R2135   | 0         |
| R214    | 470K      |
| R2141   | 470K      |
| R2142   | 330       |
| R2143   | 330       |
| R2144   | NM        |
| R2145   | NM        |
| D2130   | 1SS302    |
| JA2101  | BKP1127.A |

| AW    |        |
|-------|--------|
| C2069 | 0.1u/1 |

| AW    |        |
|-------|--------|
| C2106 | 0.1u/1 |



**C**  
2/2

➔ Audio Signal Route

NOTE

- RESISTORS:  
1. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1% TOLERANCE.  
2. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1/4W.  
3. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 0805.  
4. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1206.  
5. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1209.  
6. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1210.  
7. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1213.  
8. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1218.  
9. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1220.  
10. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1225.  
11. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1226.  
12. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1227.  
13. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1228.  
14. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1229.  
15. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1230.  
16. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1231.  
17. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1232.  
18. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1233.  
19. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1234.  
20. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1235.  
21. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1236.  
22. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1237.  
23. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1238.  
24. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1239.  
25. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1240.  
26. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1241.  
27. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1242.  
28. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1243.  
29. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1244.  
30. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1245.  
31. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1246.  
32. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1247.  
33. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1248.  
34. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1249.  
35. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1250.

| AWX9558 |         |
|---------|---------|
| C2039   | 220u/16 |

| AWX9558 |    |
|---------|----|
| R2146   | 1M |
| R2147   | 1M |

**AB** CN3783

**C**  
1/2

1

2

3

4

# C1/2 DAC LOW ASSY (1/2) (SC-35, SC-1525-K: AWX9658)

A

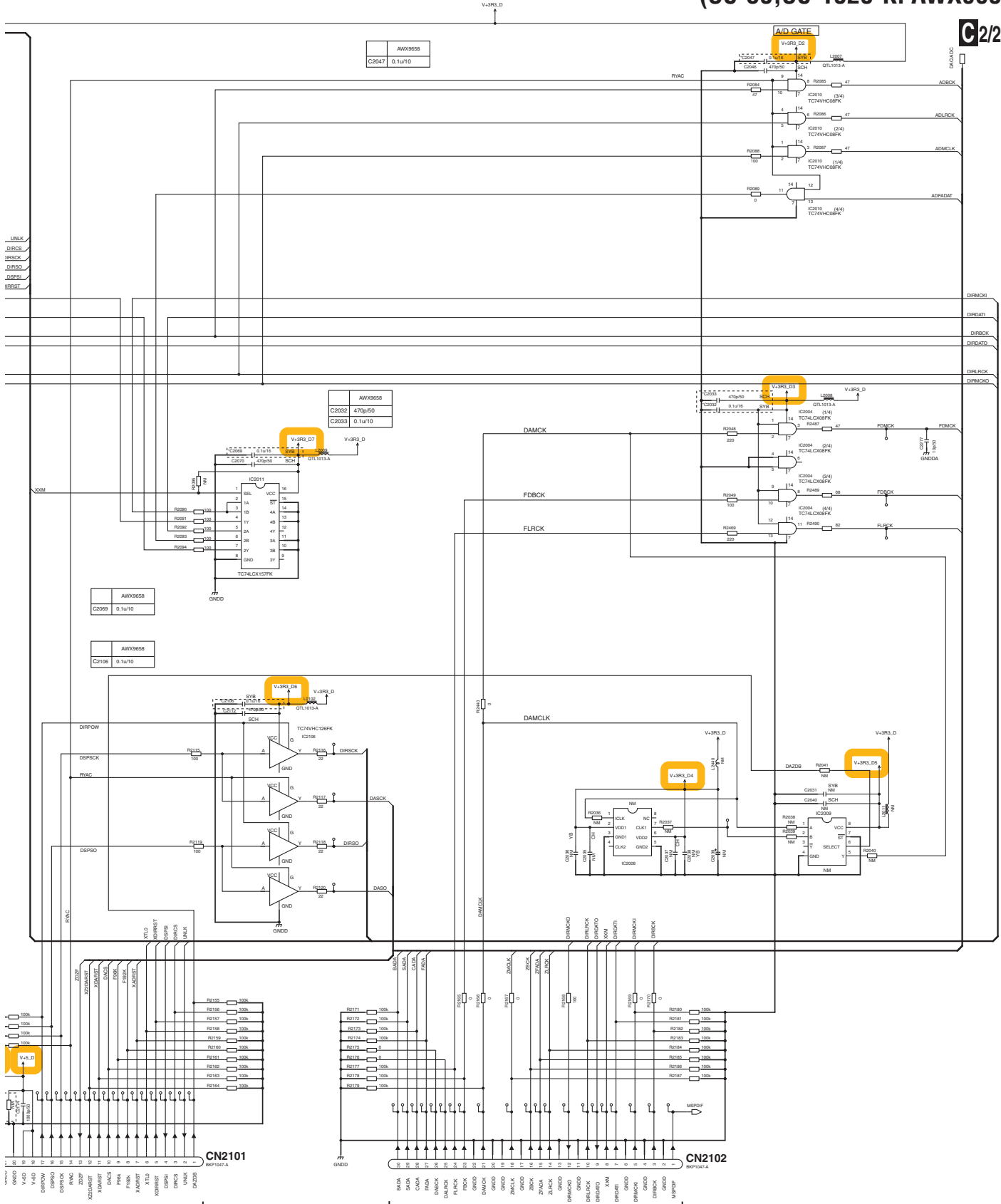
B

C

D

E

F



AB CN3783

AB CN3781

SC-37

C1/2

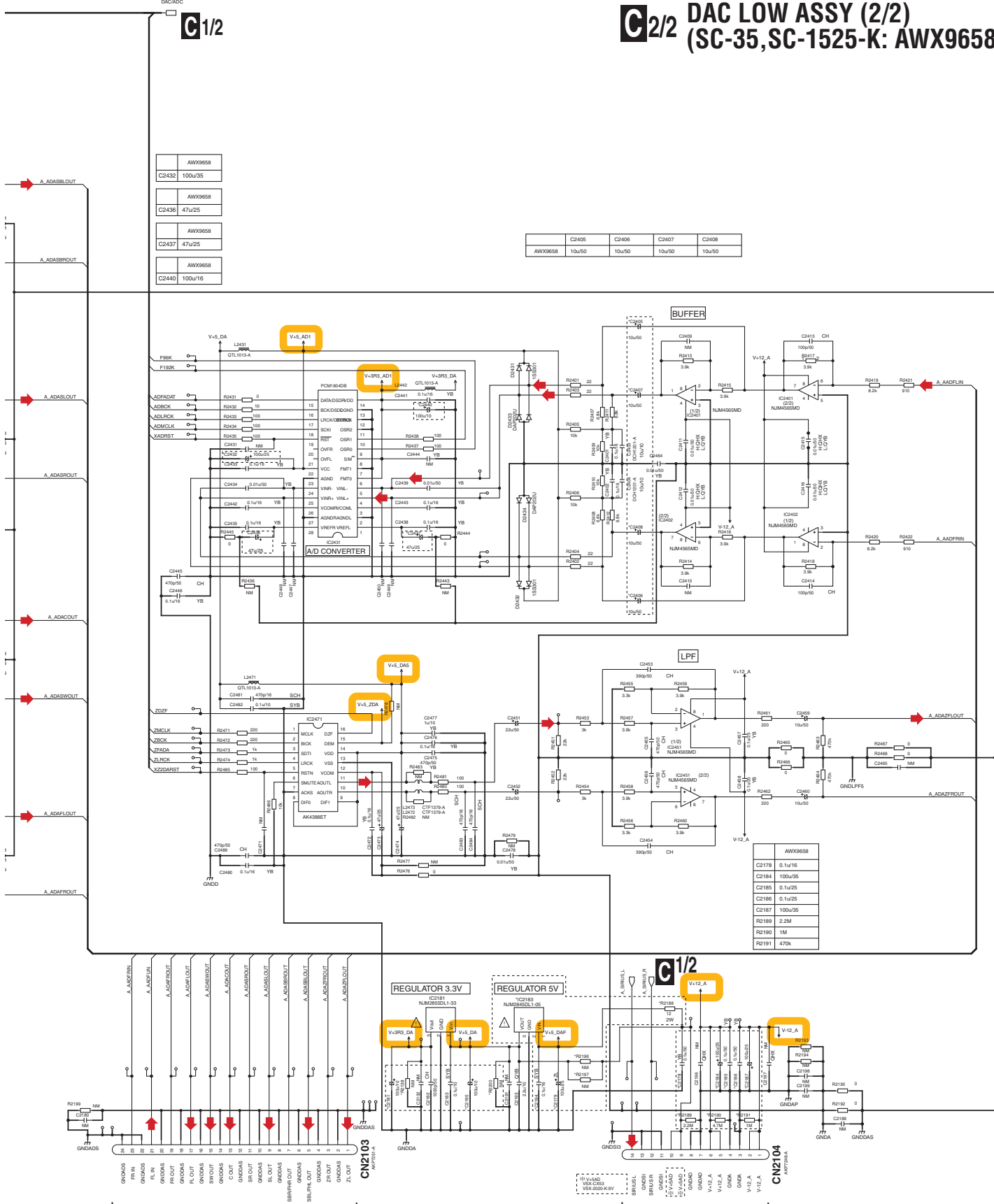


# C2/2 DAC LOW ASSY (2/2) (SC-35, SC-1525-K: AWX9658)

DACIADC  
**C1/2**

|               |
|---------------|
| AWX9658       |
| C2432 100u/35 |
| AWX9658       |
| C2436 47u/25  |
| AWX9658       |
| C2437 47u/25  |
| AWX9658       |
| C2440 100u/16 |

|         |        |        |        |
|---------|--------|--------|--------|
| C2405   | C2406  | C2407  | C2408  |
| AWX9658 | 10u/50 | 10u/50 | 10u/50 |



**CN3793**

|           |
|-----------|
| AWX9658   |
| C2179 NM  |
| C2184 NM  |
| R2188 NM  |
| R2196 0   |
| R2187 0   |
| IC2183 NM |

**CN3791**

|               |
|---------------|
| AWX9658       |
| C2178 0.1u/16 |
| C2184 100u/35 |
| C2185 0.1u/25 |
| C2186 0.1u/25 |
| C2187 100u/35 |
| R2189 2.2M    |
| R2190 1M      |
| R2191 470k    |

SC-37

**C2/2**

# 10.8 FRONT HDMI ASSY

## D FRONT HDMI ASSY (AWX9597)

A

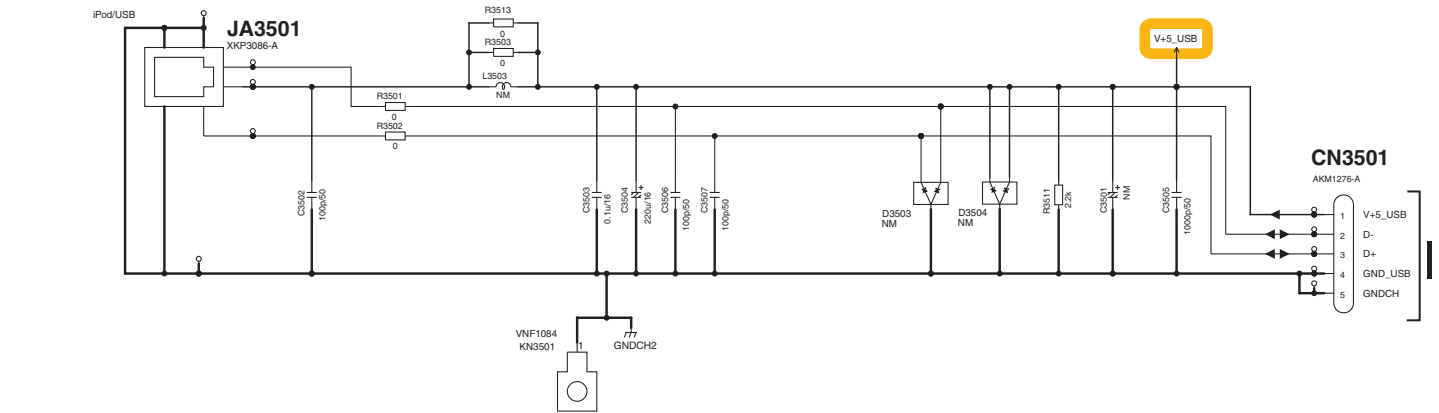
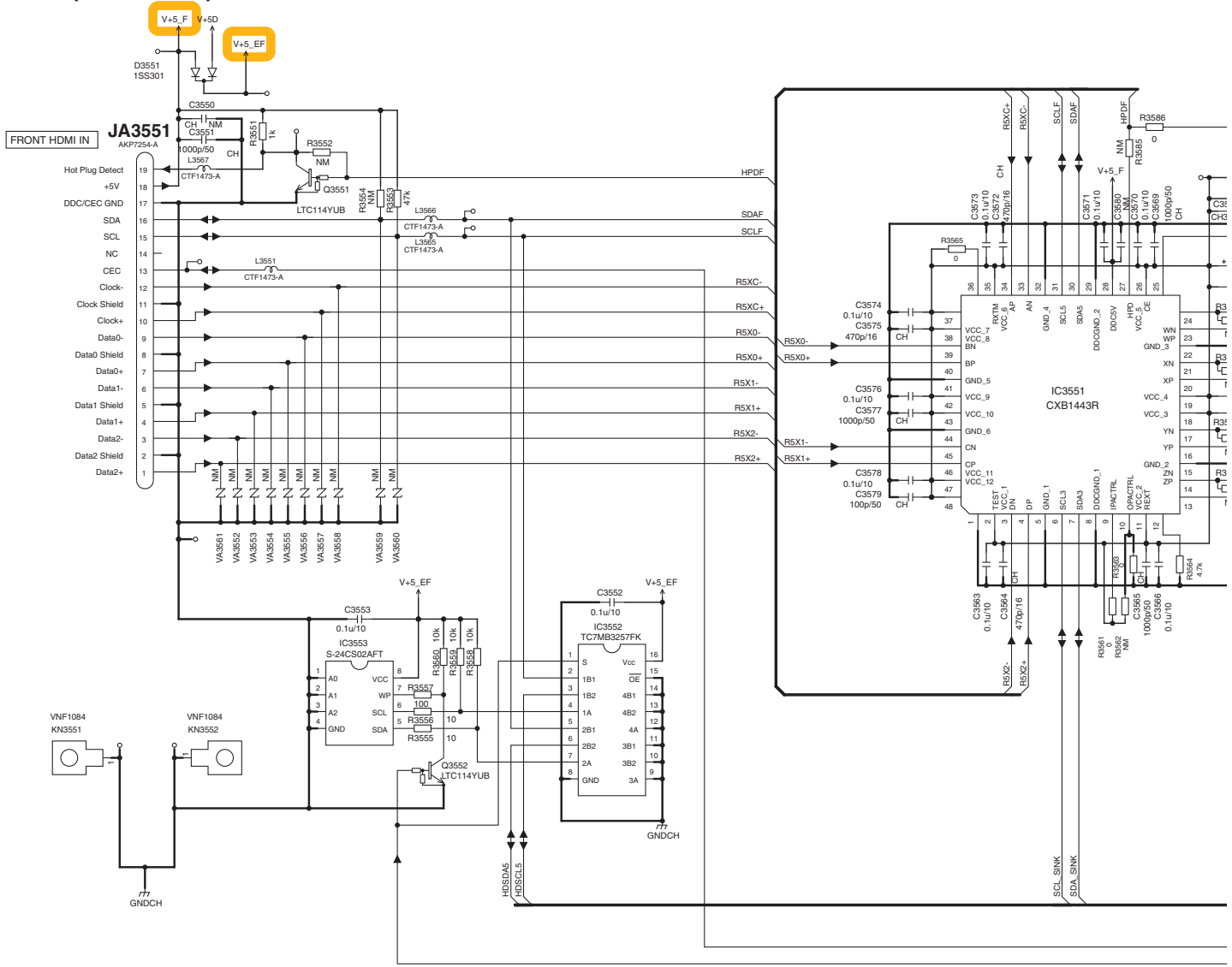
B

C

D

E

F



**NOTE**

- RESISTORS  
Unit: k- $\Omega$ , M-M  $\Omega$  or  $\Omega$  unless o  
Rated Power: 1/16w unless otherwise r  
Tolerance: J(5% unless otherwise note
- CAPACITORS  
No marked Capacitors are CEAT or CK  
CH: CCSRCH or CCSSCH  
Unit: p-pF or u-uF unless otherwise not  
Ratings: Capacity(F)/Voltage(V) unless  
3. NM: No Mount

The  $\Delta$  mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

D

130

SC-37

1

2

3

4

A

B

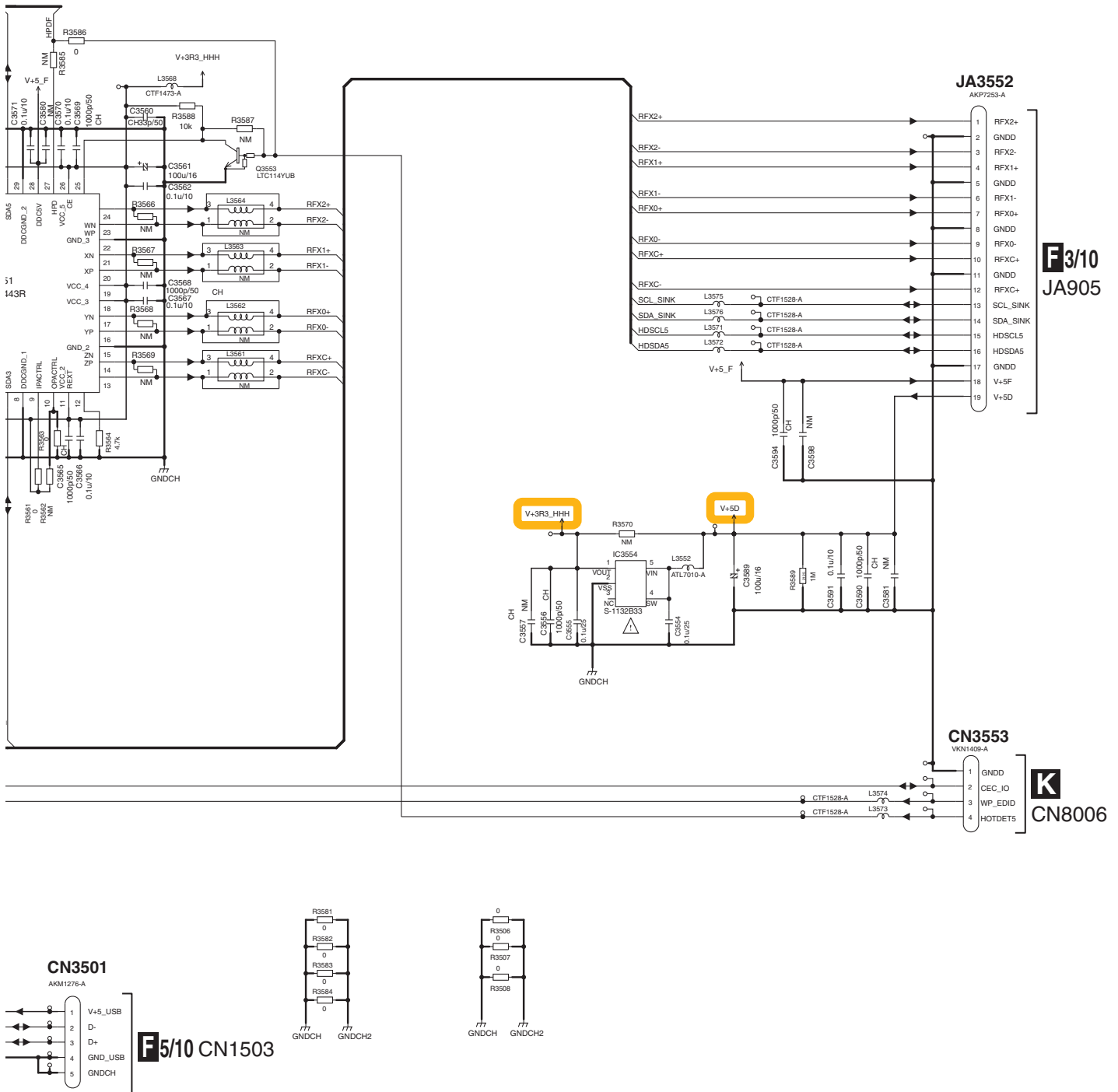
C

D

E

F

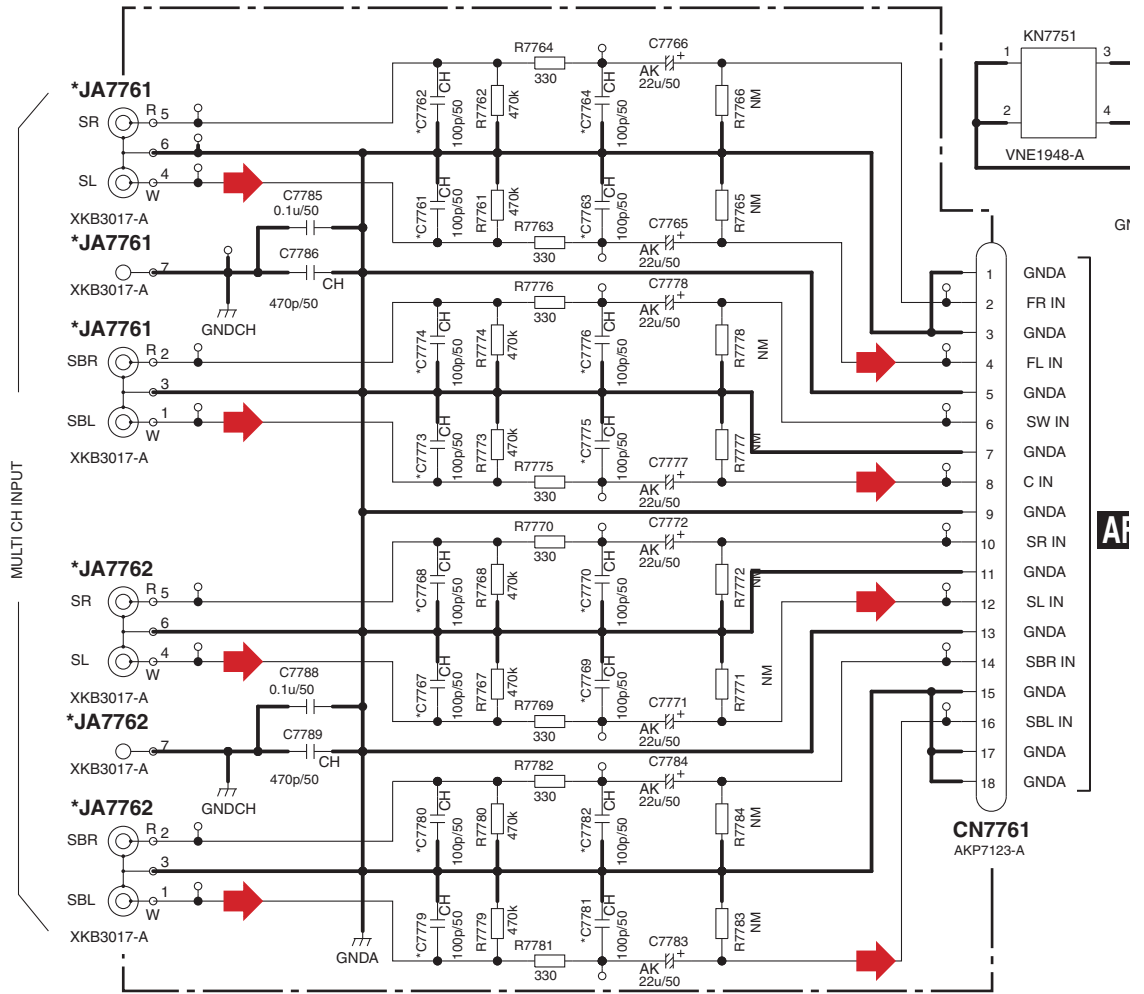
D



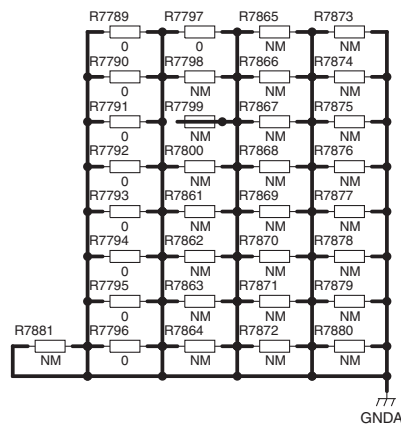
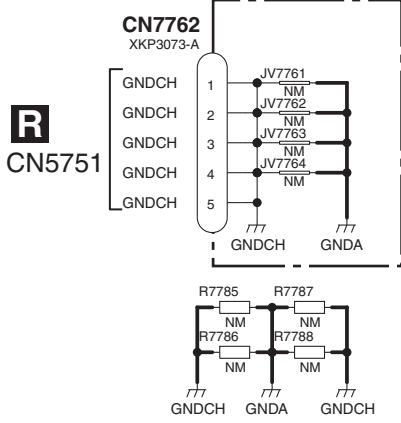
# 10.9 MULTI CH IN ASSY

## MULTI CH ASSY (AWX9616)

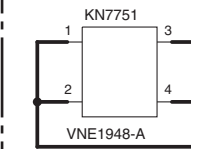
MULTI CH IN



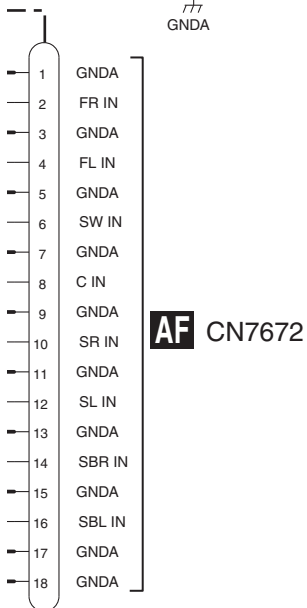
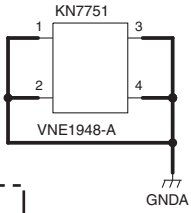
➔ : Audio Signal Route



**R** CN5751



|        |           |
|--------|-----------|
|        | AWX9616   |
| C7761  | NM        |
| C7762  | NM        |
| C7763  | NM        |
| C7764  | NM        |
| C7767  | NM        |
| C7768  | NM        |
| C7769  | NM        |
| C7770  | NM        |
| C7773  | NM        |
| C7774  | NM        |
| C7775  | NM        |
| C7776  | NM        |
| C7779  | NM        |
| C7780  | NM        |
| C7781  | NM        |
| C7782  | NM        |
| JA7761 | XKB3017-A |
| JA7762 | XKB3017-A |



**CN7761**  
AKP7123-A

ute

**NOTE**

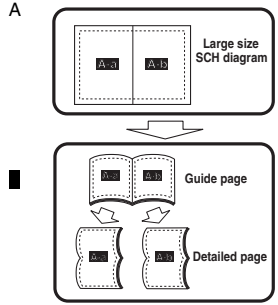
1. RESISTORS  
Unit: k-k Ω , M-M Ω or Ω unless otherwise noted.  
Rated Power: 1/16w unless otherwise noted.  
Tolerance: (J)5% unless otherwise noted.

2. CAPACITORS  
Unit: p-pF or u-uF unless otherwise noted.  
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
CH: CCSRCH, AK: CEAK otherwise: CKSRVB or CEAT

3. NM: No Mount

# 10.10 DIGITAL MAIN ASSY (1/10)(GUIDE PAGE)

1 2 3 4



**F-a** 1/10

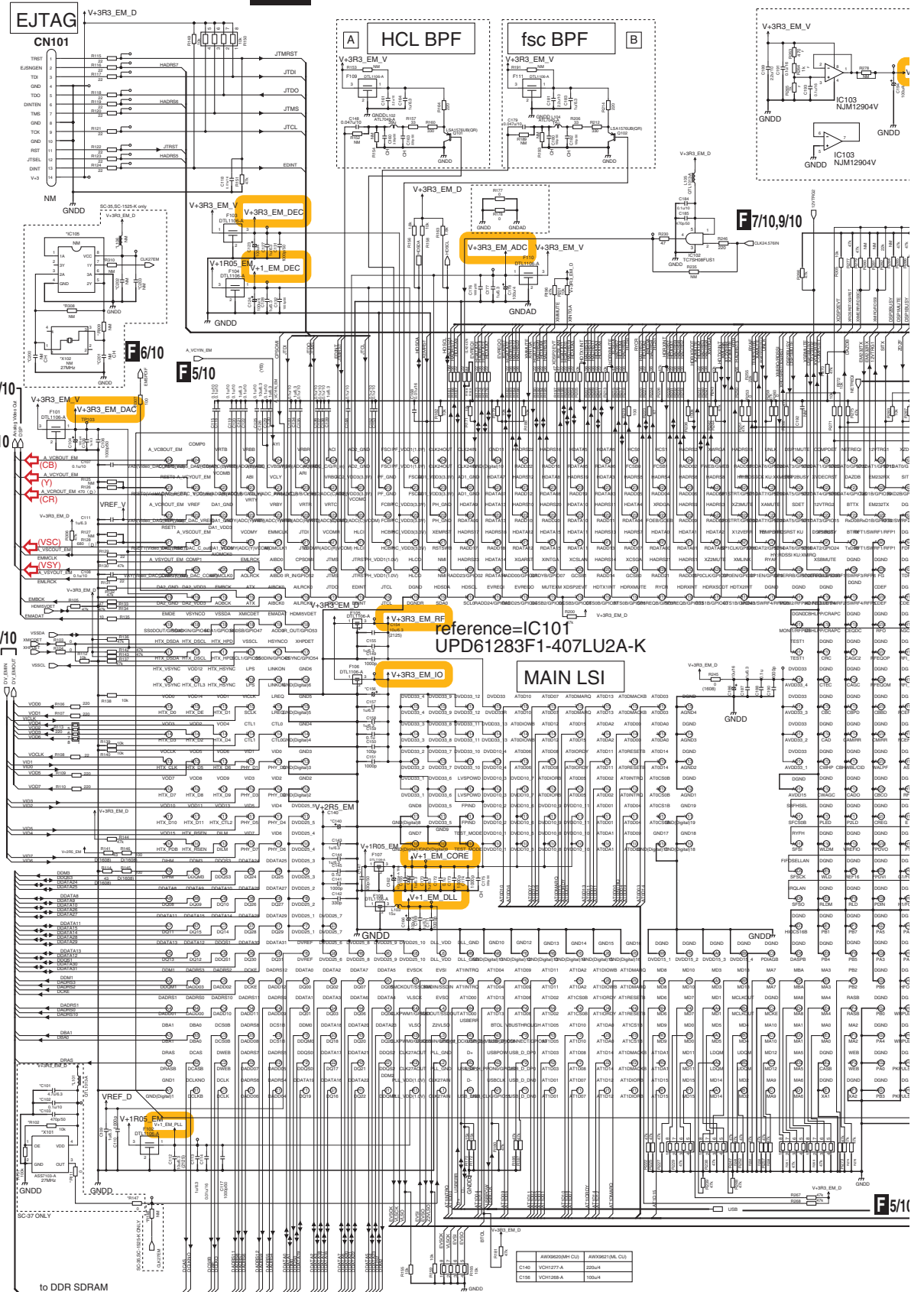
B

C

D

E

F

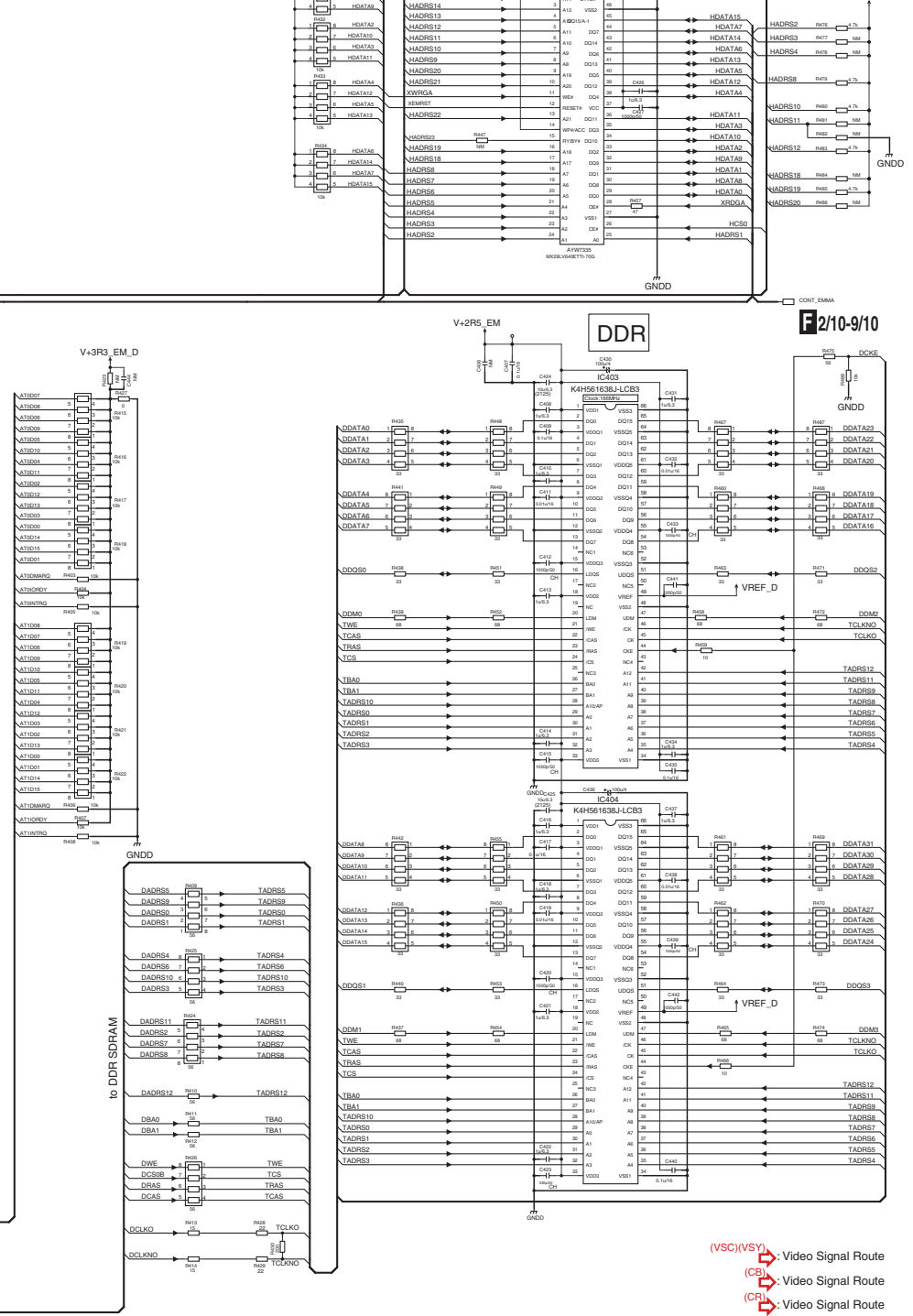
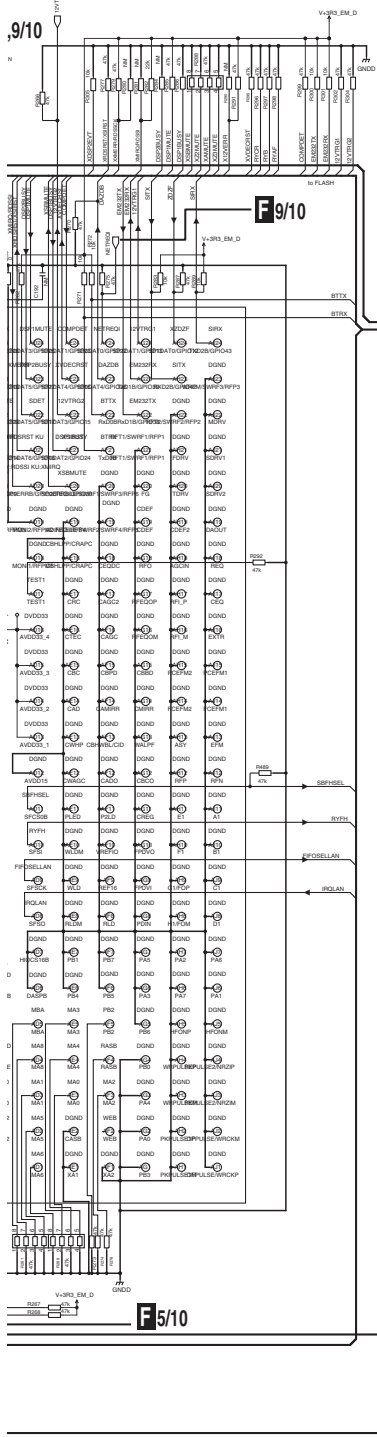
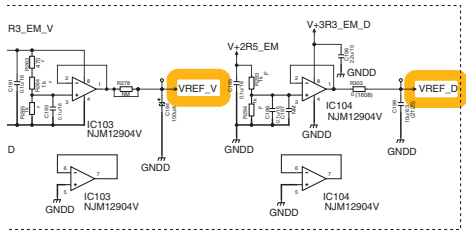


**F**1/10

1 2 3 4

**F**<sup>1/10</sup> **DIGITAL MAIN ASSY (1/10)**  
**(SC-37: AWX9620)**  
**(SC-35, SC-1525-K: AWX9621)**

**F-b** 1/10



1

2

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4

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9

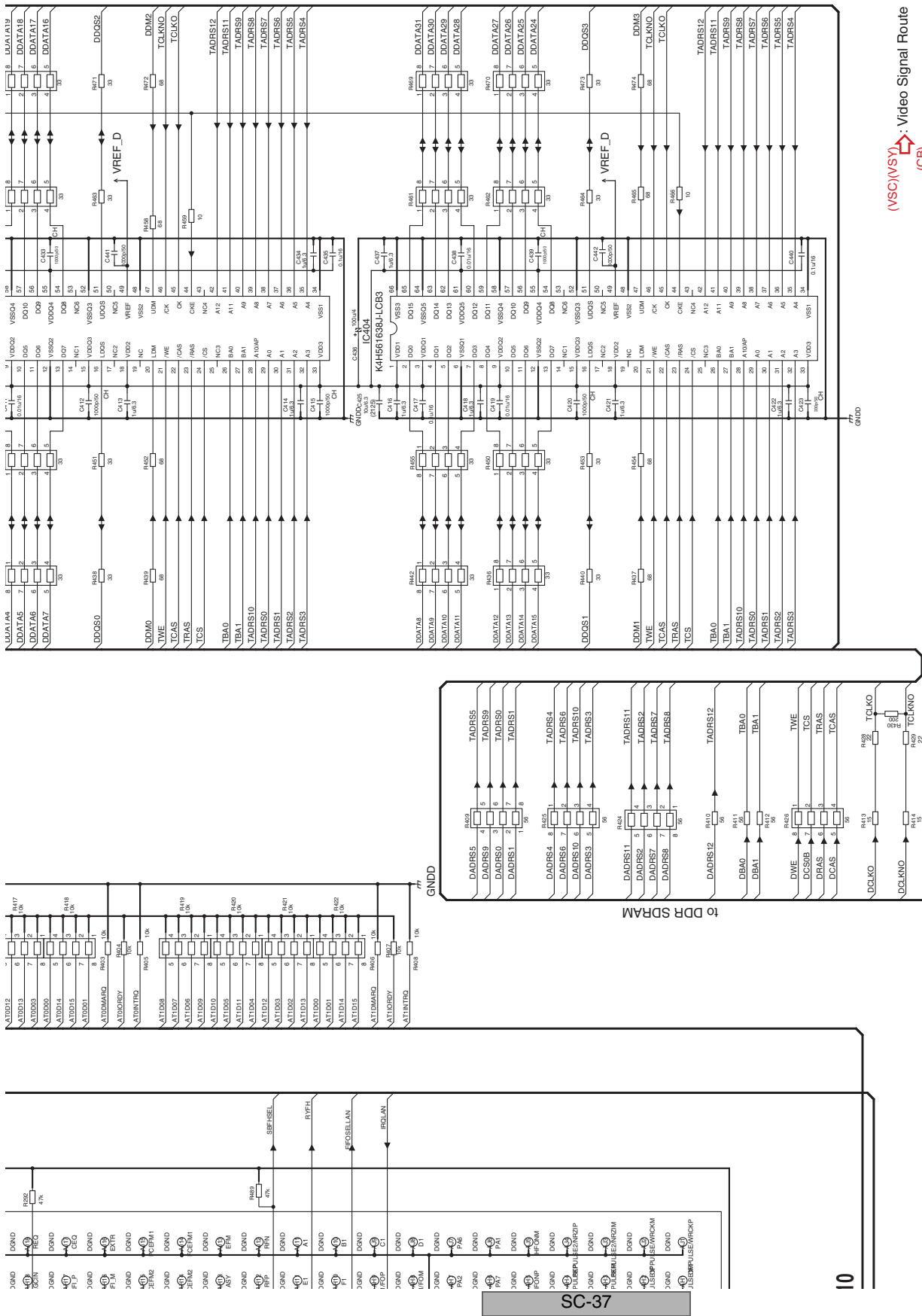
10

**F1/10** DIGITAL MAIN ASSY (1/10)  
(SC-37: AWX9620)  
(SC-35, SC-1525-K: AWX9621)

A-a A-b

**F-b** 1/10

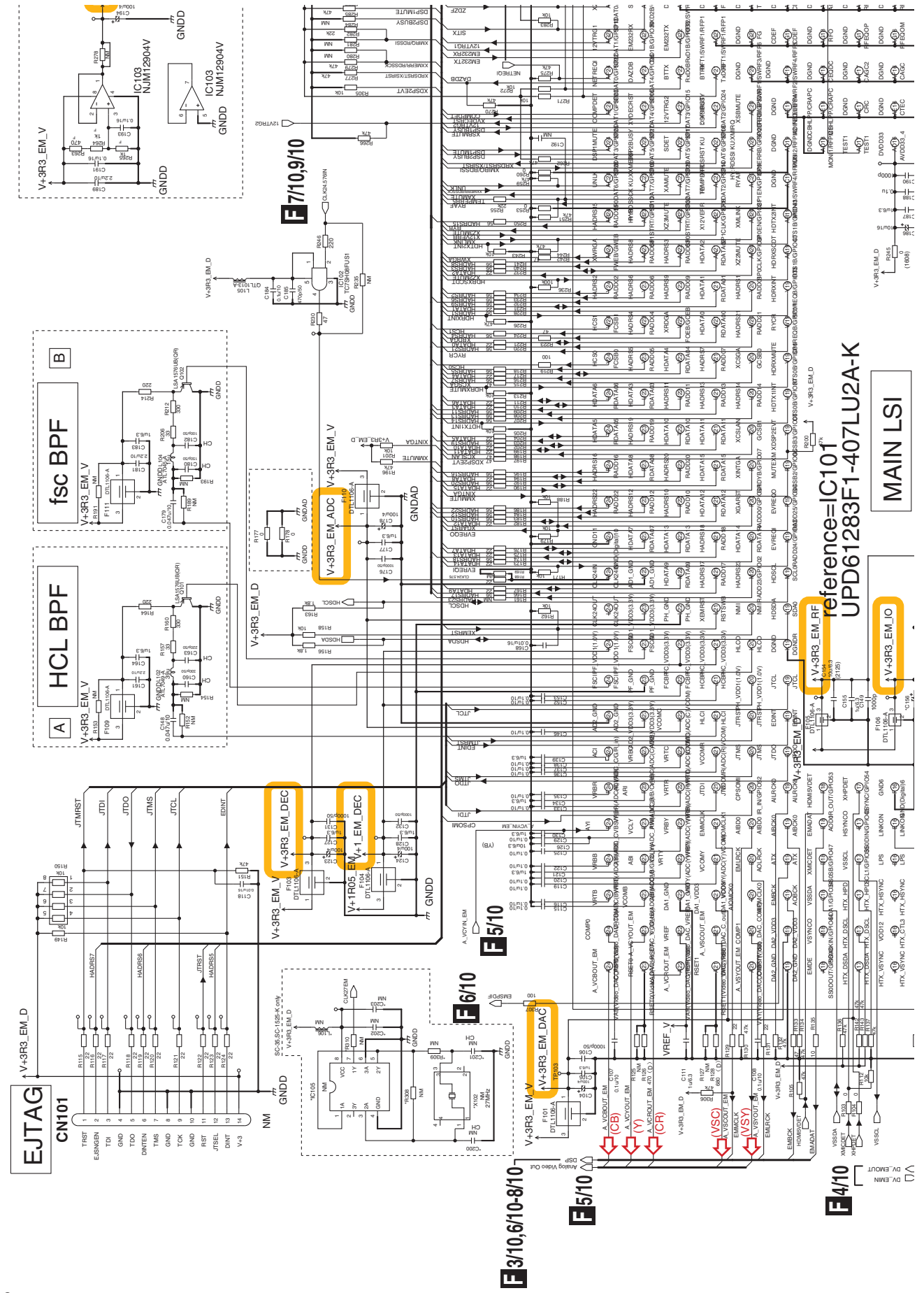
136



(VSC/VS) : Video Signal Route  
(CB) : Video Signal Route  
(CR) : Video Signal Route  
(F) : Video Signal Route

A-a A-b

F-b 1/10



reference=IC101  
 UPD61283F1-407LU2A-K  
 MAIN LSI

A-a  
 A-b

F4/10

reference=IC101  
UPD61283F1-407LU2A-K

MAIN LSI

V+3R3\_EM\_IO

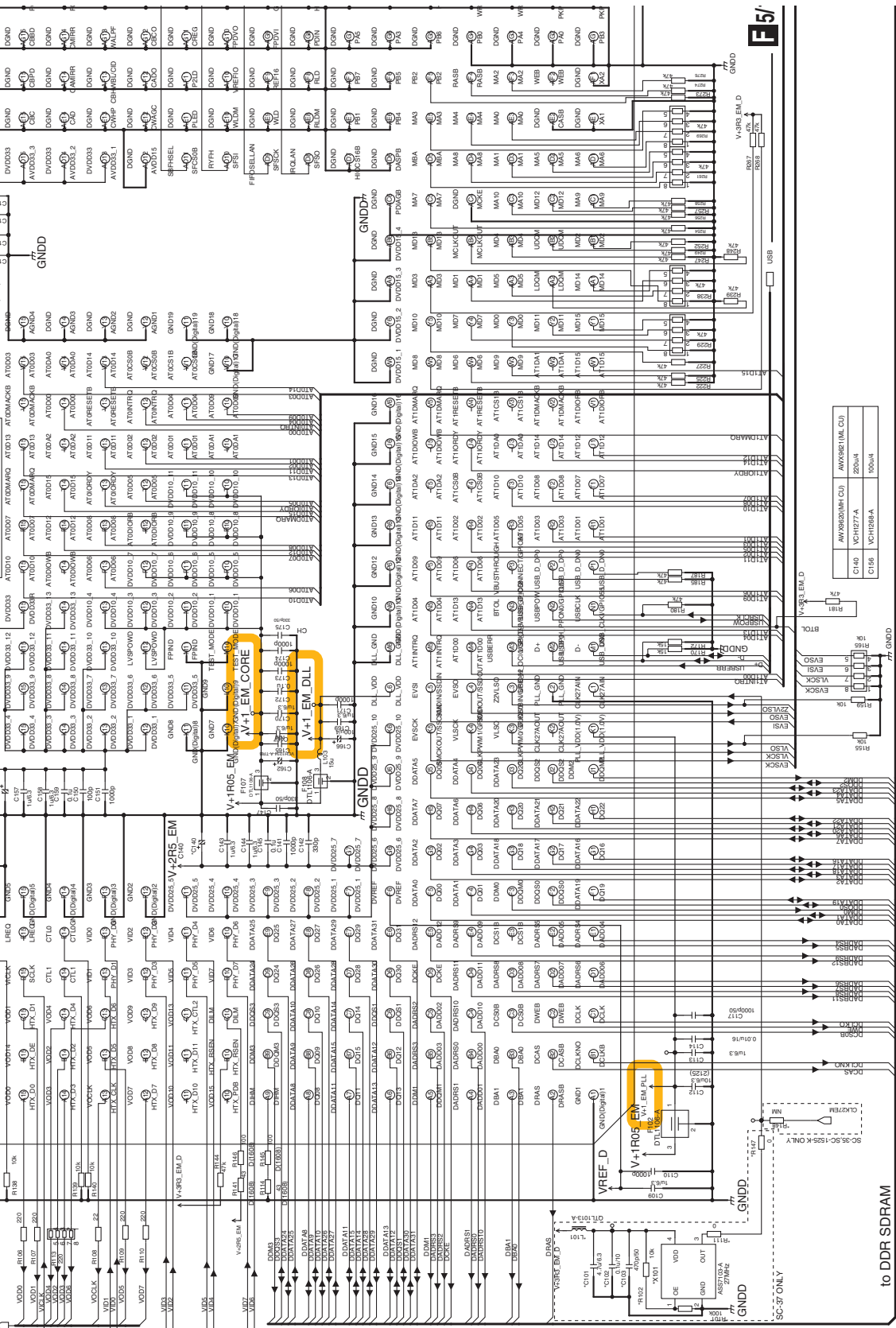
V+1R05\_EM\_CORE

V+1R05\_EM\_PLL

V+3R3\_EM\_D

V+3R3\_EM\_RF

F5/



F5/

reference=IC101  
UPD61283F1-407LU2A-K

MAIN LSI

V+3R3\_EM\_IO

V+1R05\_EM\_CORE

V+1R05\_EM\_PLL

V+3R3\_EM\_D

V+3R3\_EM\_RF

F5/



F5/

reference=IC101  
UPD61283F1-407LU2A-K

MAIN LSI

V+3R3\_EM\_IO

V+1R05\_EM\_CORE

V+1R05\_EM\_PLL

V+3R3\_EM\_D

V+3R3\_EM\_RF

F5/



F5/

reference=IC101  
UPD61283F1-407LU2A-K

MAIN LSI

V+3R3\_EM\_IO

V+1R05\_EM\_CORE

V+1R05\_EM\_PLL

V+3R3\_EM\_D

V+3R3\_EM\_RF

F5/



F5/

reference=IC101  
UPD61283F1-407LU2A-K

MAIN LSI

V+3R3\_EM\_IO

V+1R05\_EM\_CORE

V+1R05\_EM\_PLL

V+3R3\_EM\_D

V+3R3\_EM\_RF

F5/

F-a 1/10

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# 10.11 DIGITAL MAIN ASSY (2/10)

1 2 3 4

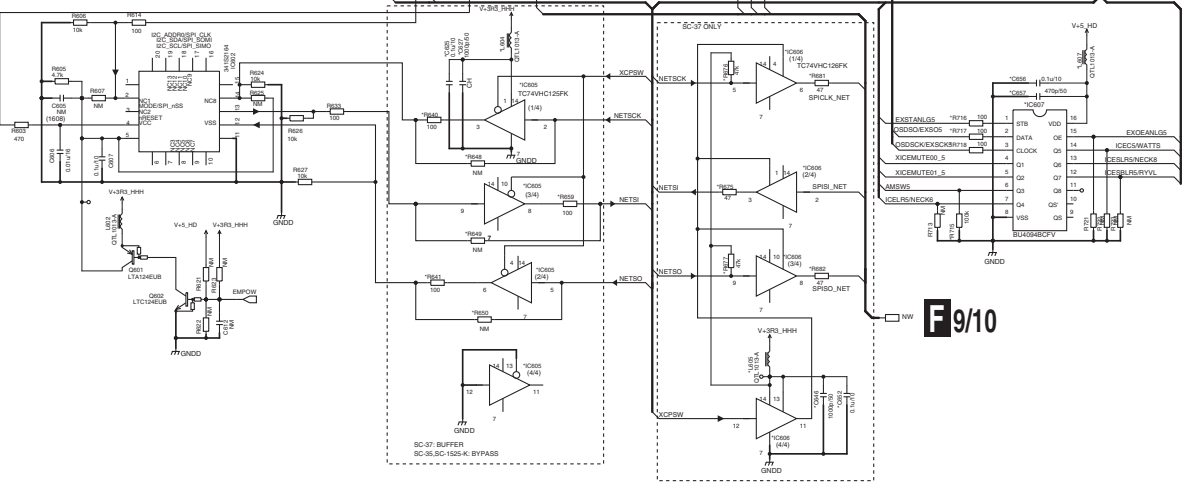
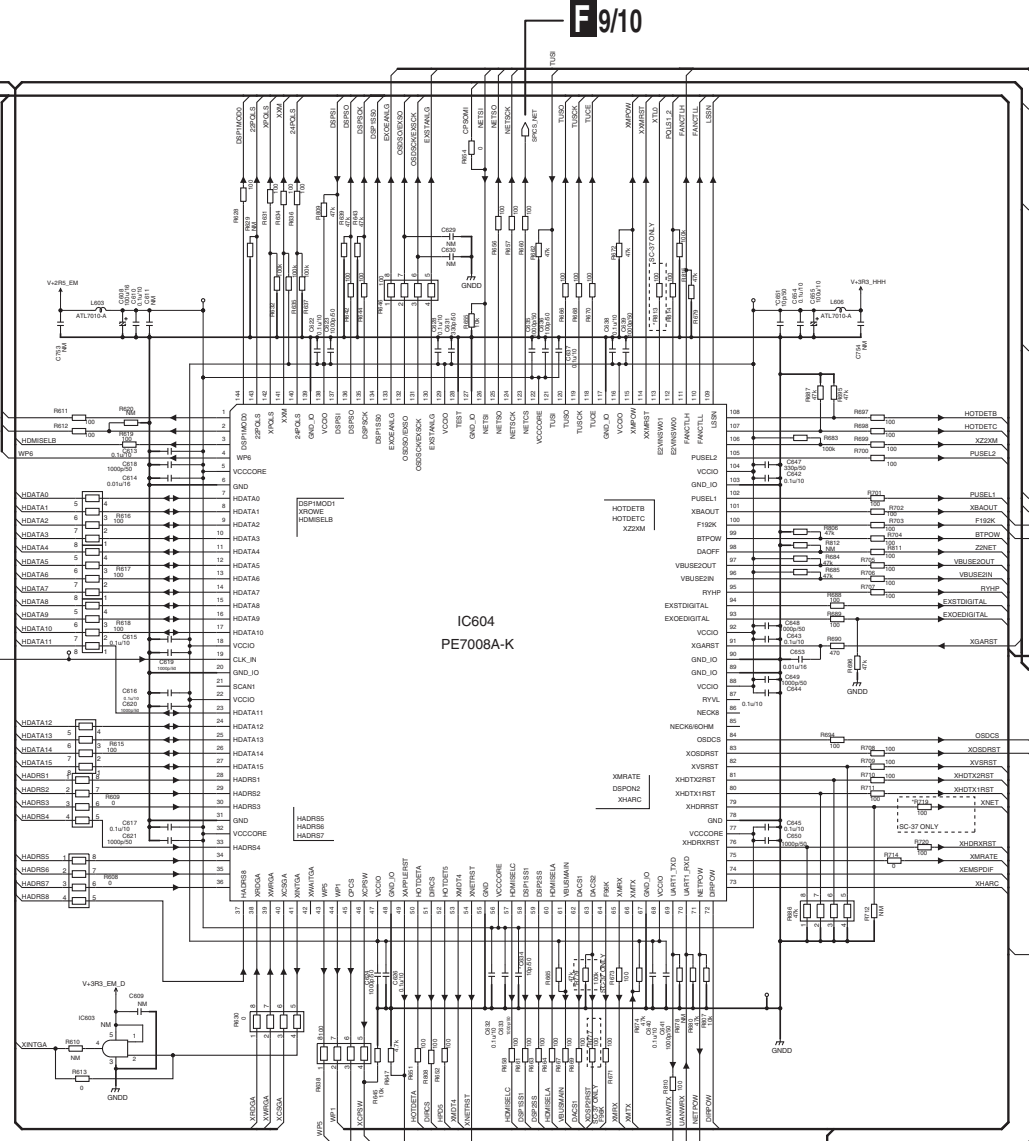
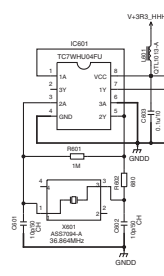
A  
B  
C  
D  
E  
F

**F1/10,3/10-9/10**  
CONT\_EMAA  
CONT\_GA  
**F3/10-8/10,10/10**

**F9/10**

**F8/10**

**F9/10**

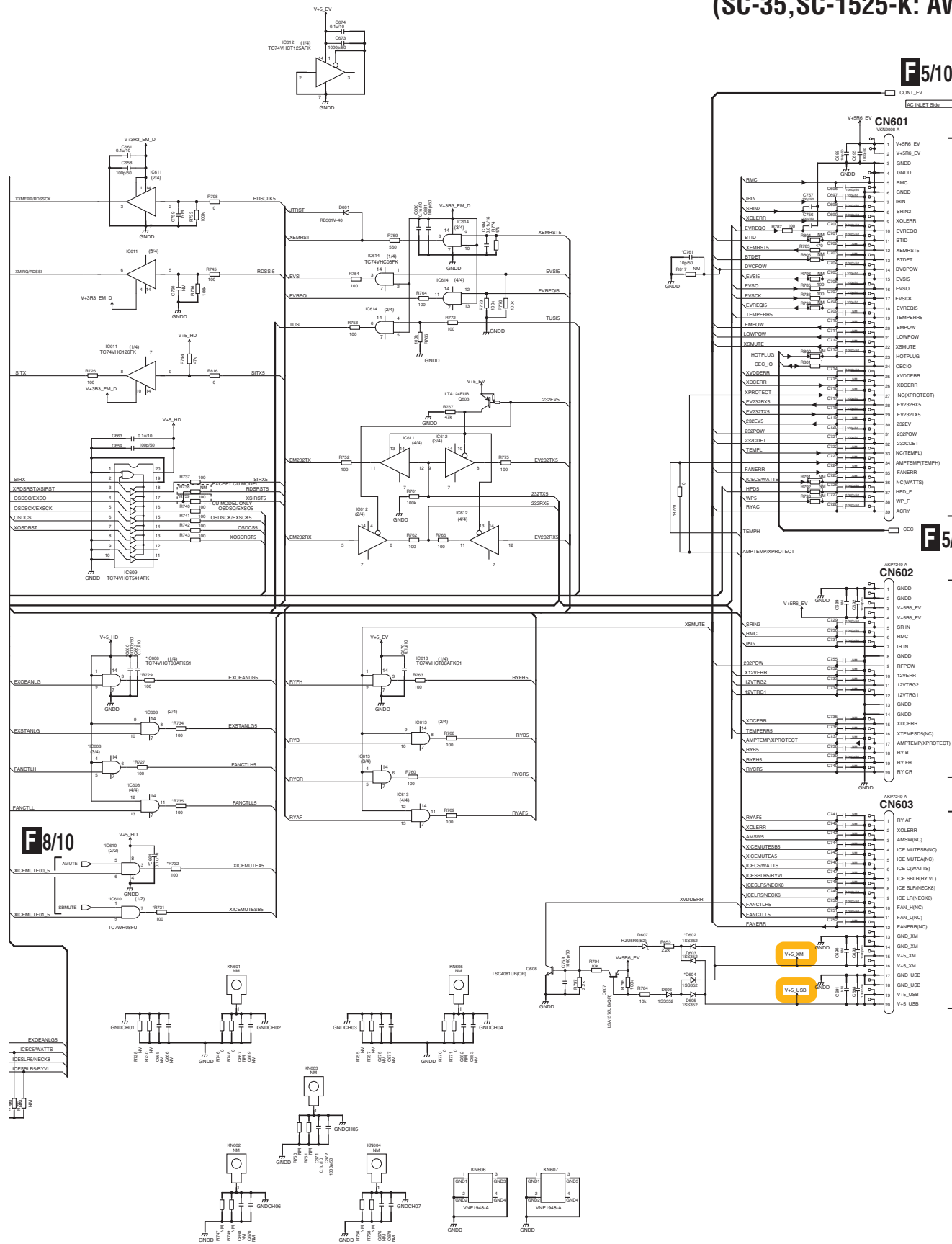


**F2/10**

1 2 3 4

# F2/10 DIGITAL MAIN ASSY (2/10) (SC-37: AWX9620) (SC-35, SC-1525-K: AWX9621)

F5/10-8/10,10/10



**AD**  
CN7651

F5/10

**W**  
CN7802

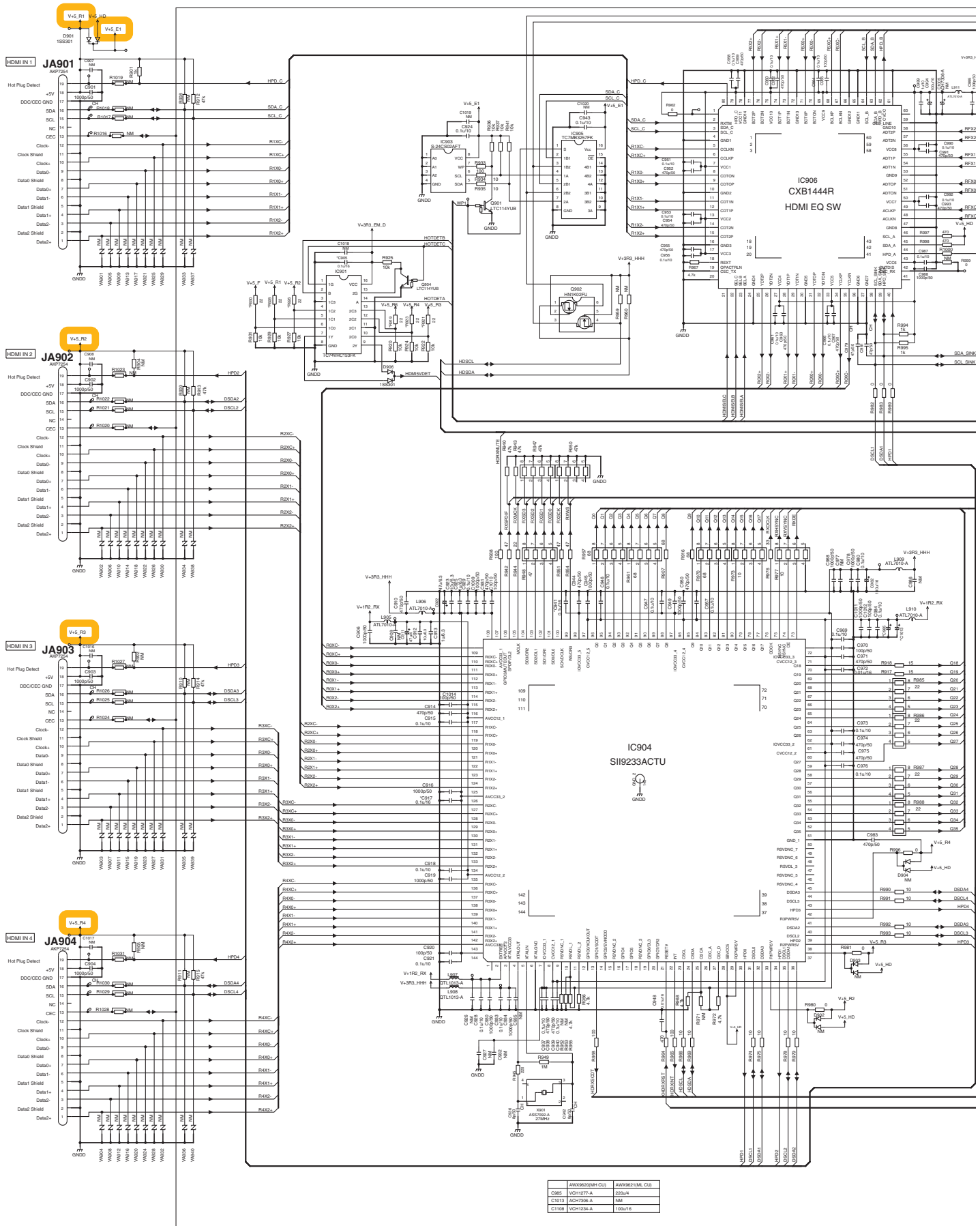
**W**  
CN7801

F8/10

# 10.12 DIGITAL MAIN ASSY (3/10)

1 2 3 4

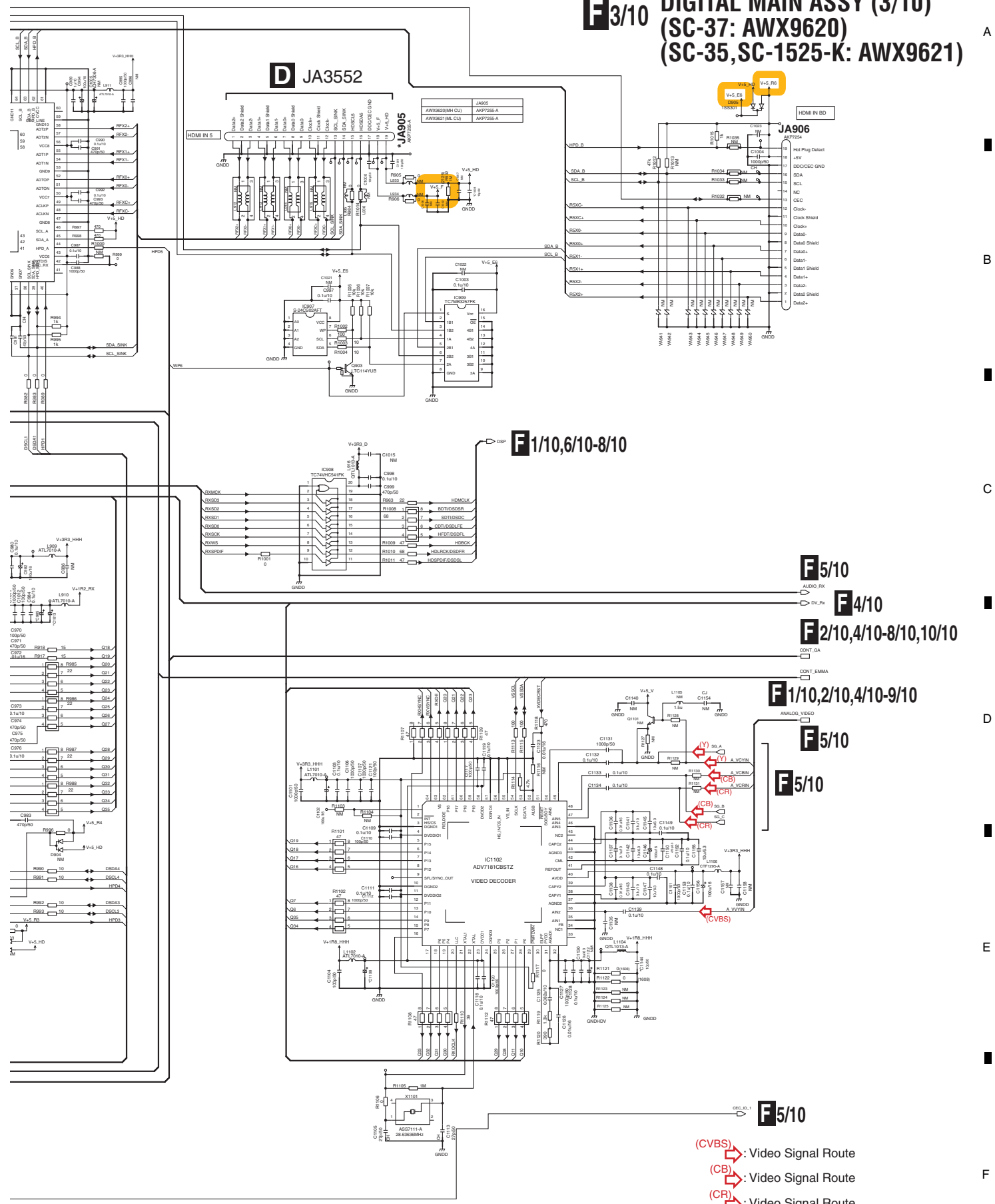
A  
B  
C  
D  
E  
F



|              |              |
|--------------|--------------|
| AWK9200R(CU) | AWK9210M(CU) |
| C85          | VCH1277.A    |
| C1013        | ACH7396.A    |
| C1108        | VCH208.A     |

1 2 3 4

**F3/10** DIGITAL MAIN ASSY (3/10)  
 (SC-37: AWX9620)  
 (SC-35, SC-1525-K: AWX9621)

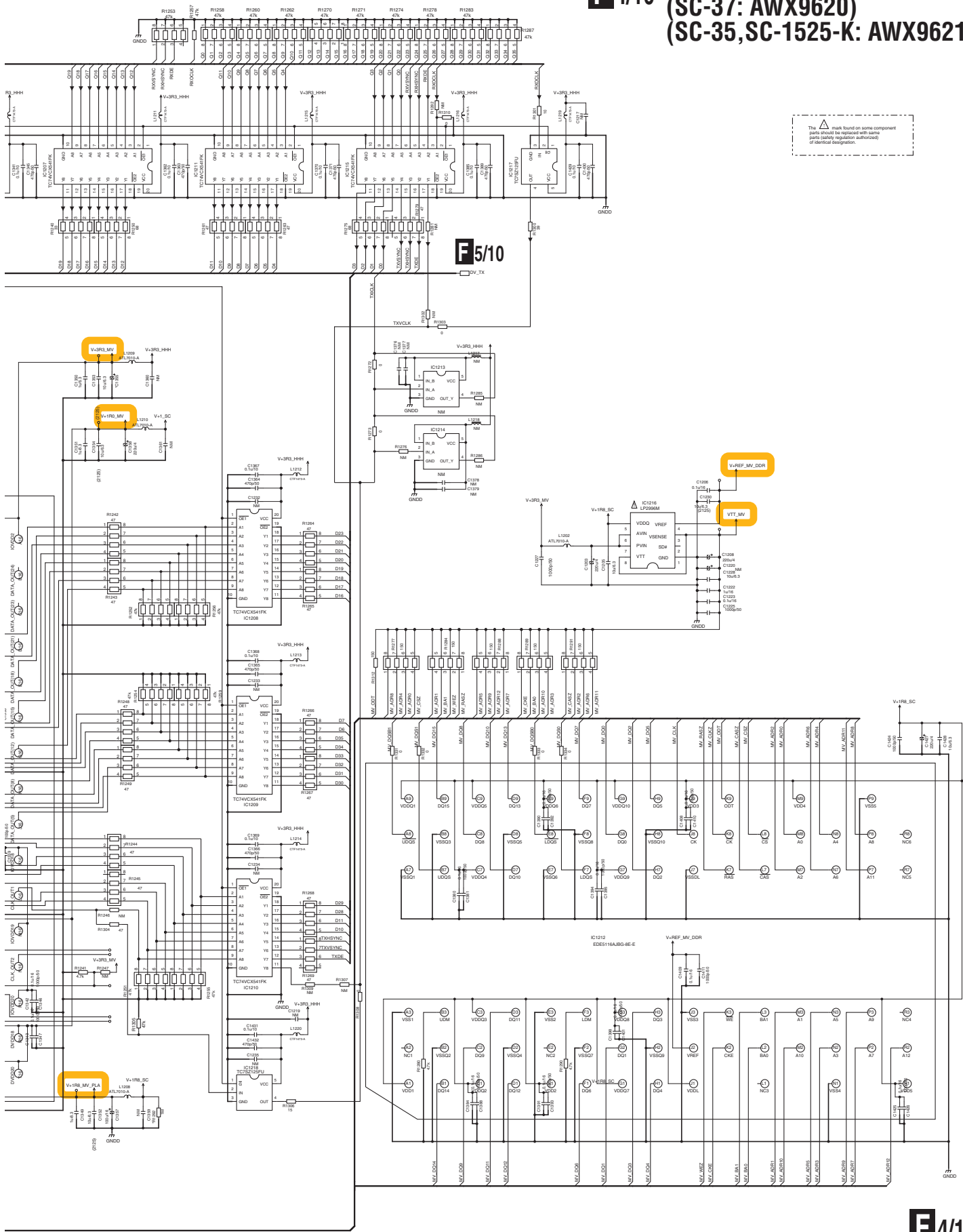


- (CVBS) : Video Signal Route
- (CB) : Video Signal Route
- (CR) : Video Signal Route
- (Y) : Video Signal Route



**F4/10** DIGITAL MAIN ASSY (4/10)  
 (SC-37: AWX9620)  
 (SC-35, SC-1525-K: AWX9621)

A  
B  
C  
D  
E  
F



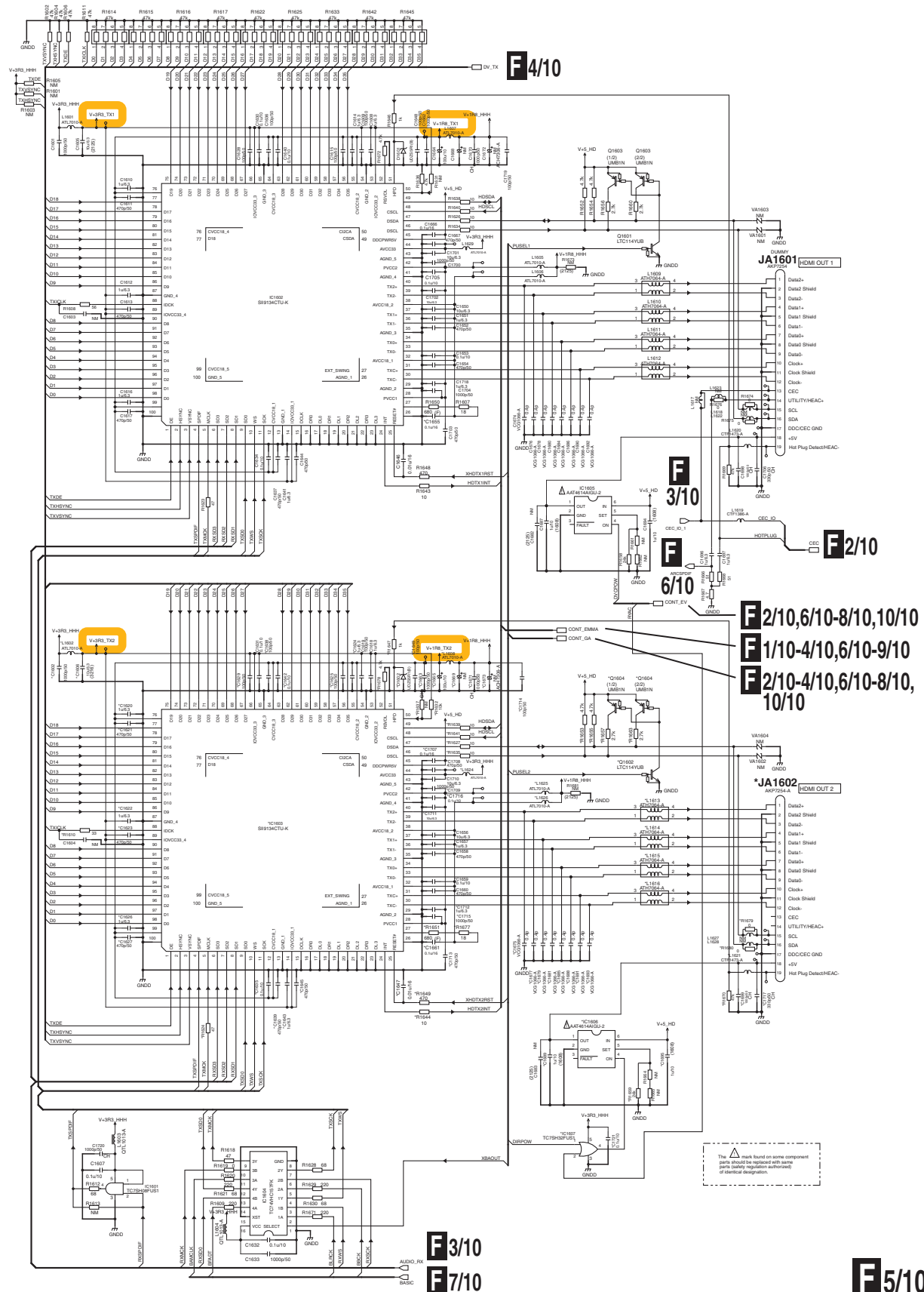
The  $\Delta$  mark found on some component parts should be replaced with same parts safety regulation (authorized) of identical designation.



**F5/10** DIGITAL MAIN ASSY (5/10)  
 (SC-37: AWX9620)  
 (SC-35, SC-1525-K: AWX9621)

A  
B  
C  
D  
E  
F

CN3501



**F1/10**

**F4/10**

**F3/10**

**F2/10**

**F2/10, 6/10-8/10, 10/10**  
**F1/10-4/10, 6/10-9/10**  
**F2/10-4/10, 6/10-8/10, 10/10**

**F3/10**

**F7/10**

**F5/10**

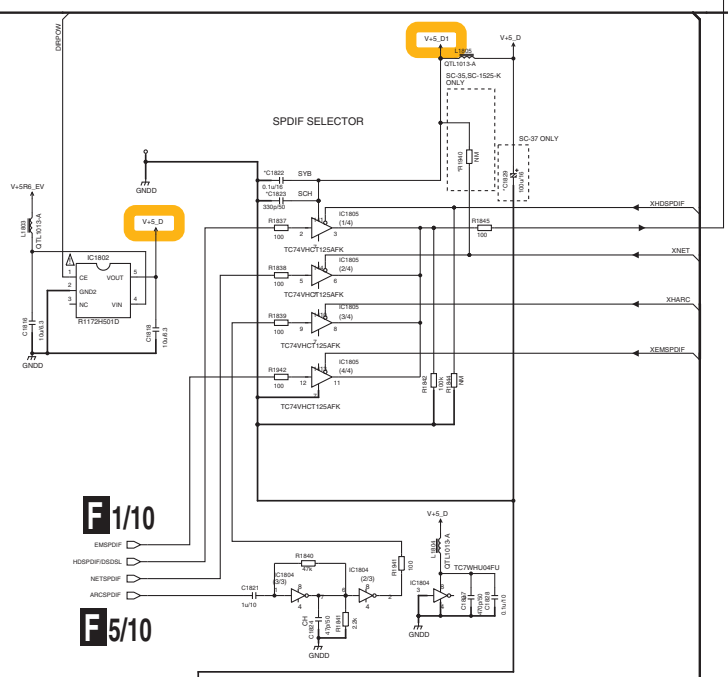
SC-37

# 10.15 DIGITAL MAIN ASSY (6/10)

A  
B  
C  
D  
E  
F

**F** 2/10-5/10,7/10,8/10,10/10

**F** 7/10,8/10

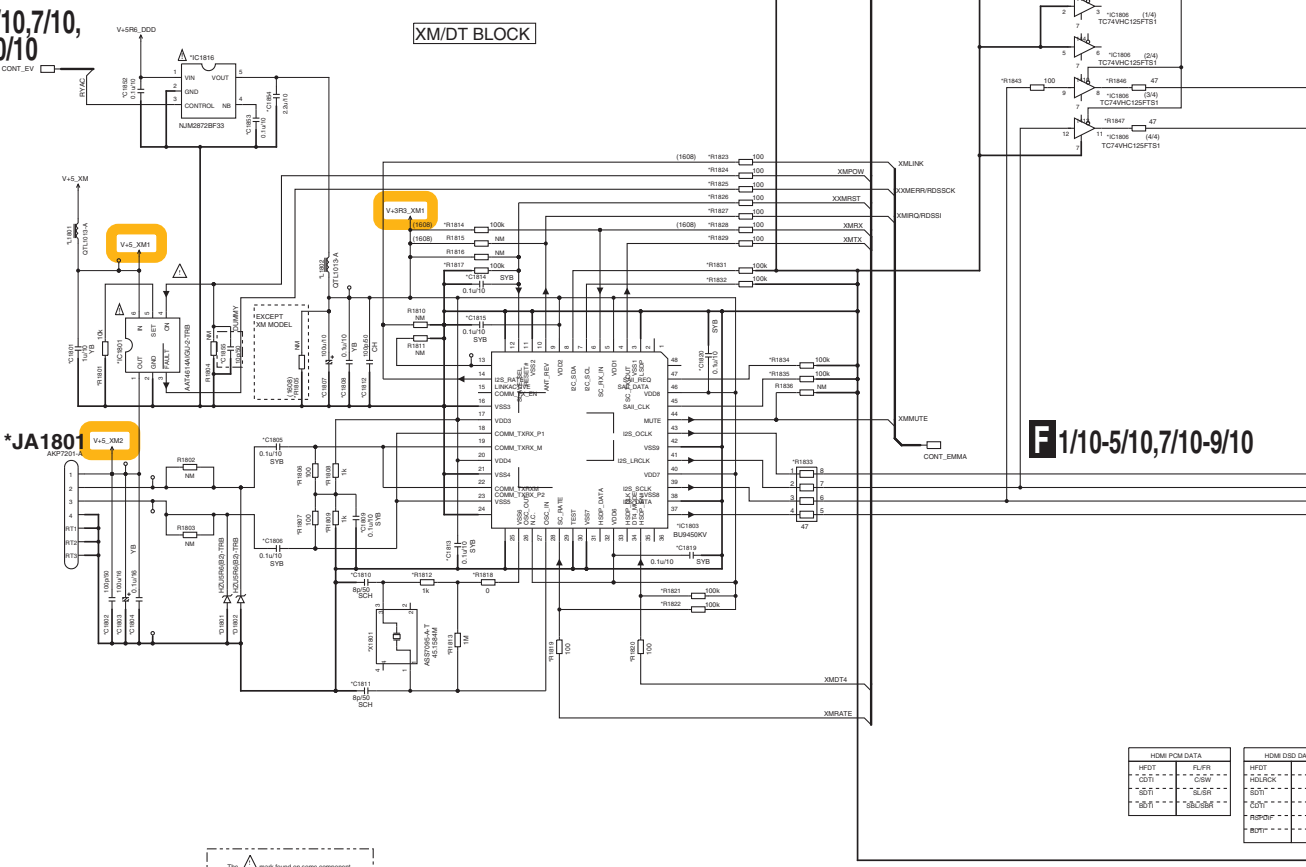


**F** 1/10

**F** 5/10

**F** 2/10,5/10,7/10,8/10,10/10

**XM/DT BLOCK**



**F** 1/10-5/10,7/10-9/10

\*JA1801

| MEM PCM DATA |      | ROM DSD DA |      |
|--------------|------|------------|------|
| MEMT         | MEMR | MEMT       | MEMR |
| MEMS         | MEMC | MEMS       | MEMC |
| MEMD         | MEMB | MEMD       | MEMB |
| MEME         | MEMA | MEME       | MEMA |
| MEMF         | MEM9 | MEMF       | MEM9 |
| MEMG         | MEM8 | MEMG       | MEM8 |
| MEMH         | MEM7 | MEMH       | MEM7 |
| MEMI         | MEM6 | MEMI       | MEM6 |
| MEMJ         | MEM5 | MEMJ       | MEM5 |
| MEMK         | MEM4 | MEMK       | MEM4 |
| MEML         | MEM3 | MEML       | MEM3 |
| MEMM         | MEM2 | MEMM       | MEM2 |
| MEMN         | MEM1 | MEMN       | MEM1 |

The  $\Delta$  symbol found on some component parts should be replaced with same parts (unless regulations authorities) of identical designation.

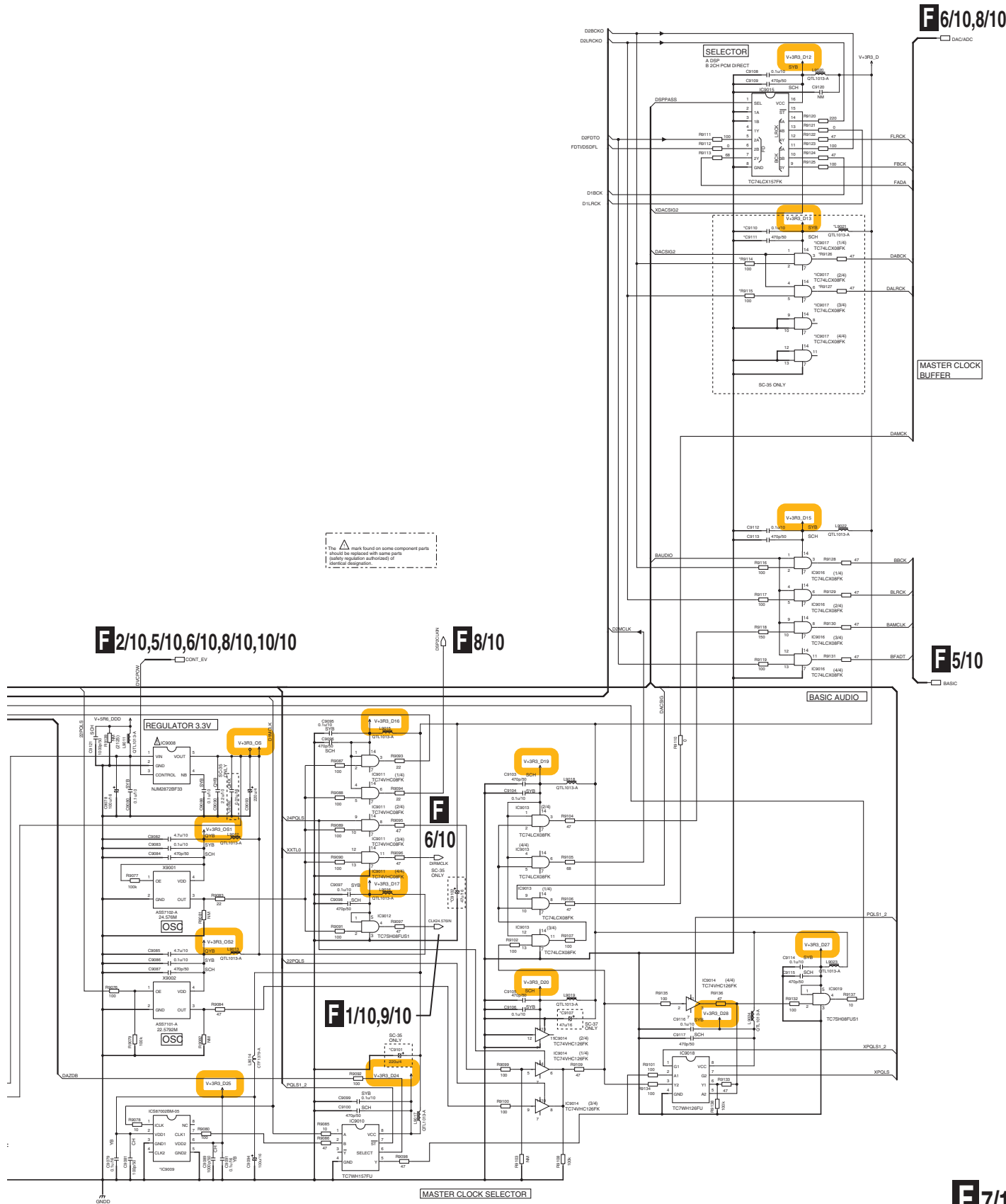
**F** 6/10





# F7/10 DIGITAL MAIN ASSY (7/10) (SC-37: AWX9620) (SC-35, SC-1525-K: AWX9621)

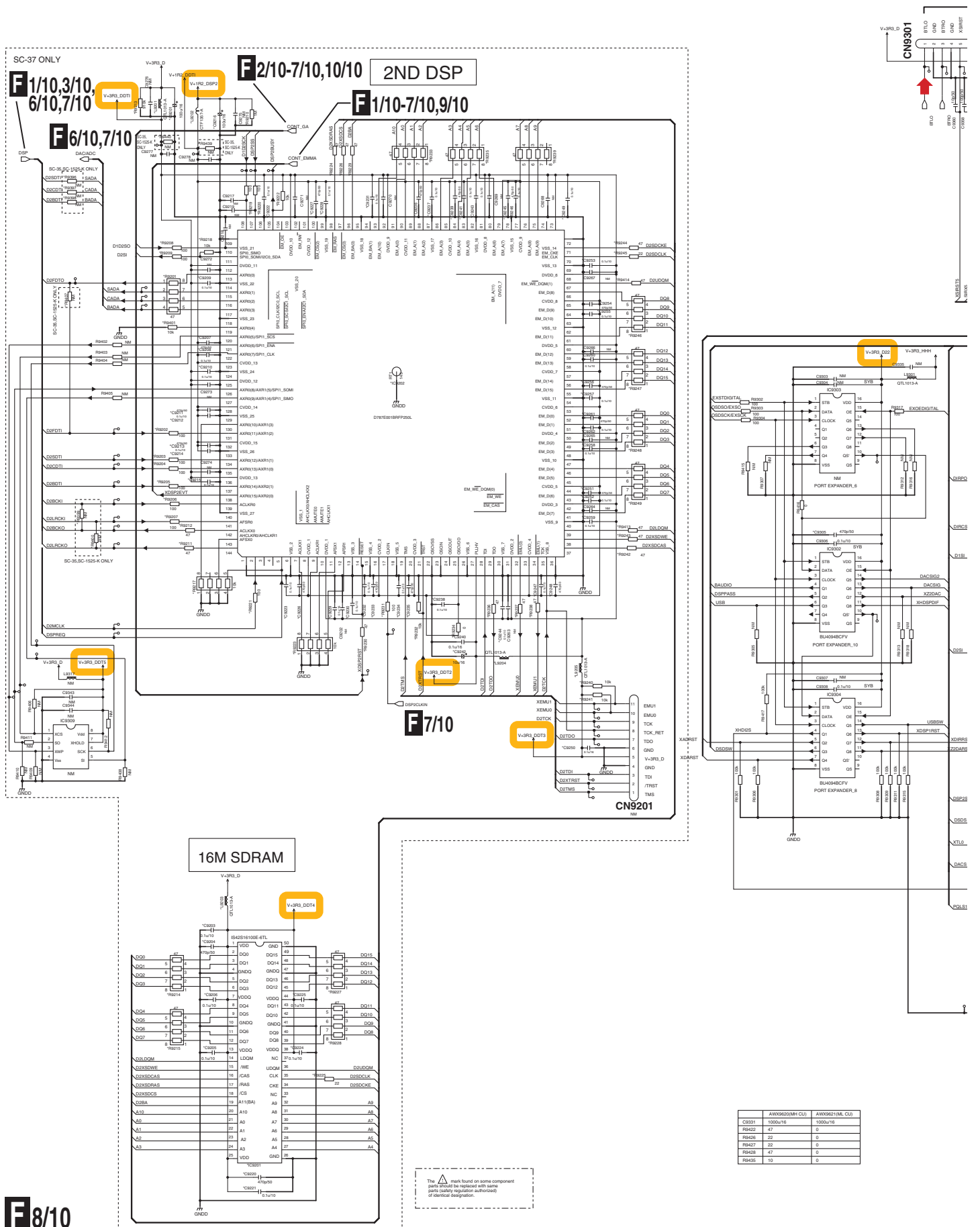
A  
B  
C  
D  
E  
F



SC-37

F7/10

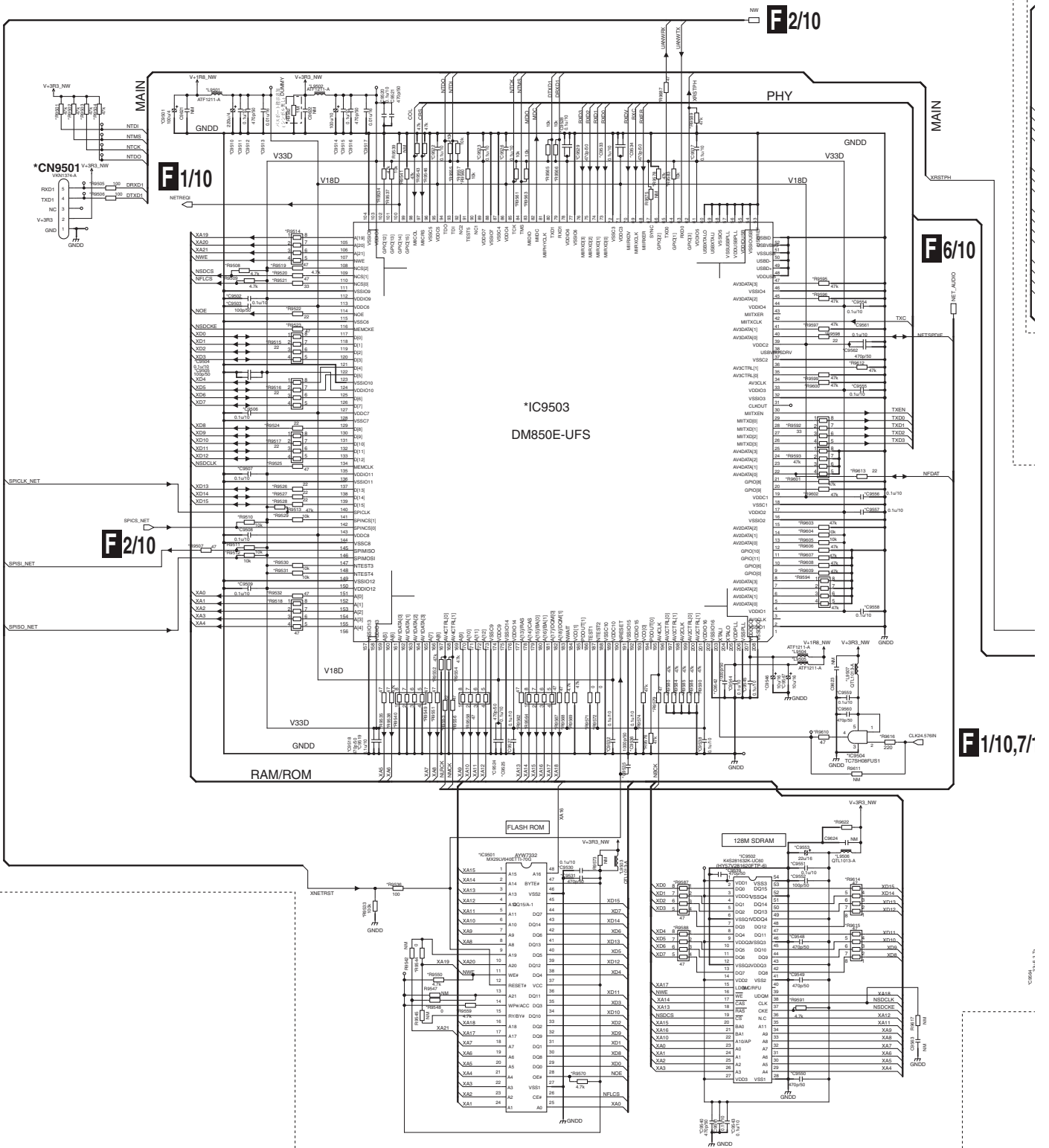
# 10.17 DIGITAL MAIN ASSY (8/10)





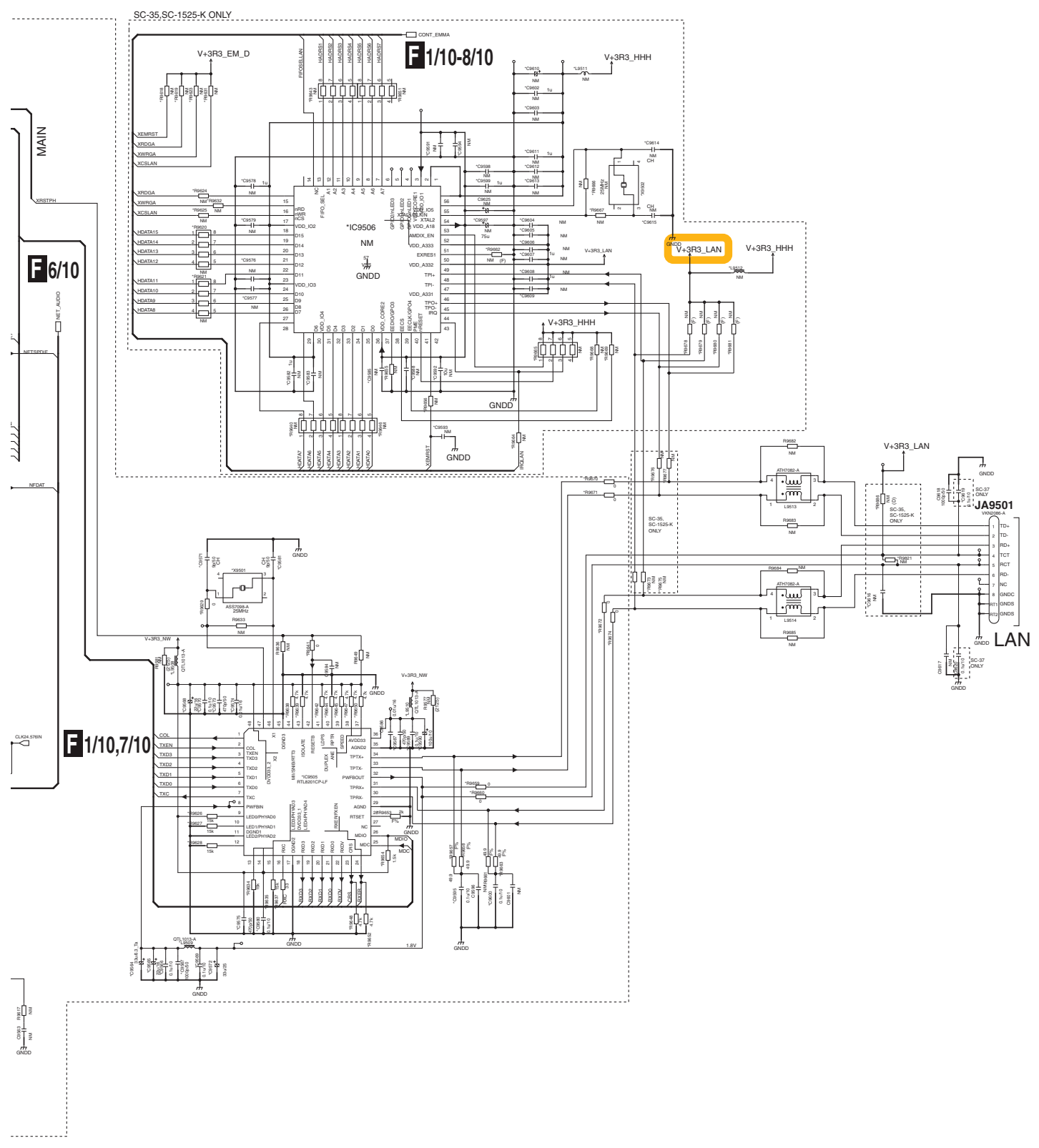
# 10.18 DIGITAL MAIN ASSY (9/10)

SC-37 ONLY

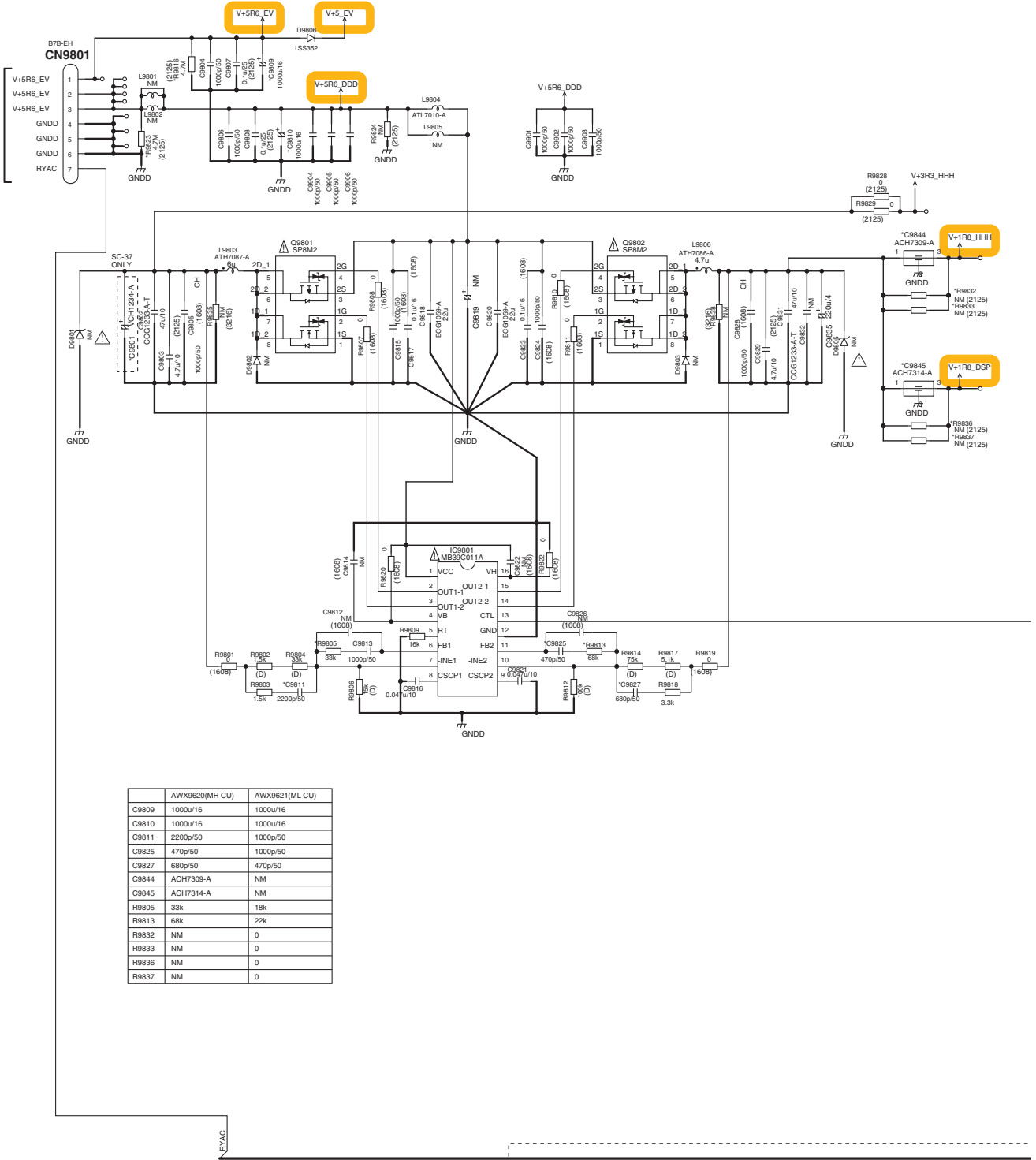


**F9/10** DIGITAL MAIN ASSY (9/10)  
 (SC-37: AWX9620)  
 (SC-35,SC-1525-K: AWX9621)

A  
B  
C  
D  
E  
F



# 10.19 DIGITAL MAIN ASSY (10/10)



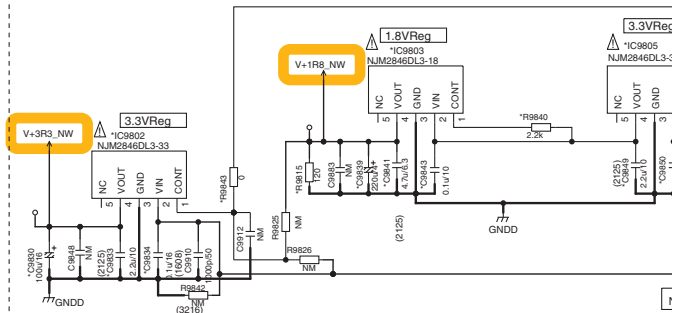
|       | AWX9620(MH CU) | AWX9621(ML CU) |
|-------|----------------|----------------|
| C9809 | 1000u/16       | 1000u/16       |
| C9810 | 1000u/16       | 1000u/16       |
| C9811 | 2200p/50       | 1000p/50       |
| C9825 | 470p/50        | 1000p/50       |
| C9827 | 680p/50        | 470p/50        |
| C9844 | ACH7309-A      | NM             |
| C9845 | ACH7314-A      | NM             |
| R9805 | 33k            | 16k            |
| R9813 | 68k            | 22k            |
| R9832 | NM             | 0              |
| R9833 | NM             | 0              |
| R9836 | NM             | 0              |
| R9837 | NM             | 0              |

AC INLET Side



The  $\Delta$  mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

SC-37 ONLY



**F**<sup>10/10</sup> **DIGITAL MAIN ASSY (10/10)**  
**(SC-37: AWX9620)**  
**(SC-35, SC-1525-K: AWX9621)**

A

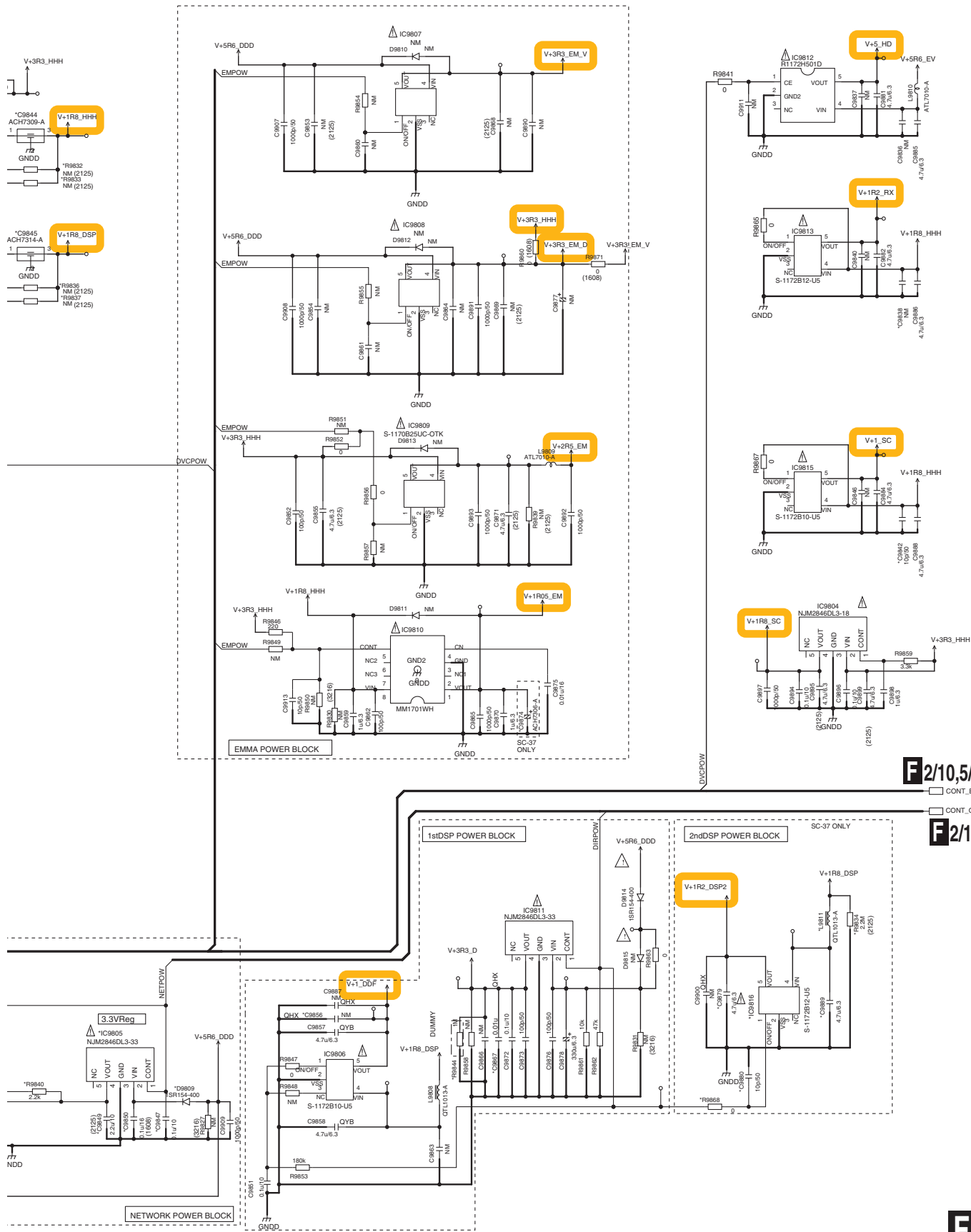
B

C

D

E

F



**F**<sup>2/10,5/10-8/10</sup>

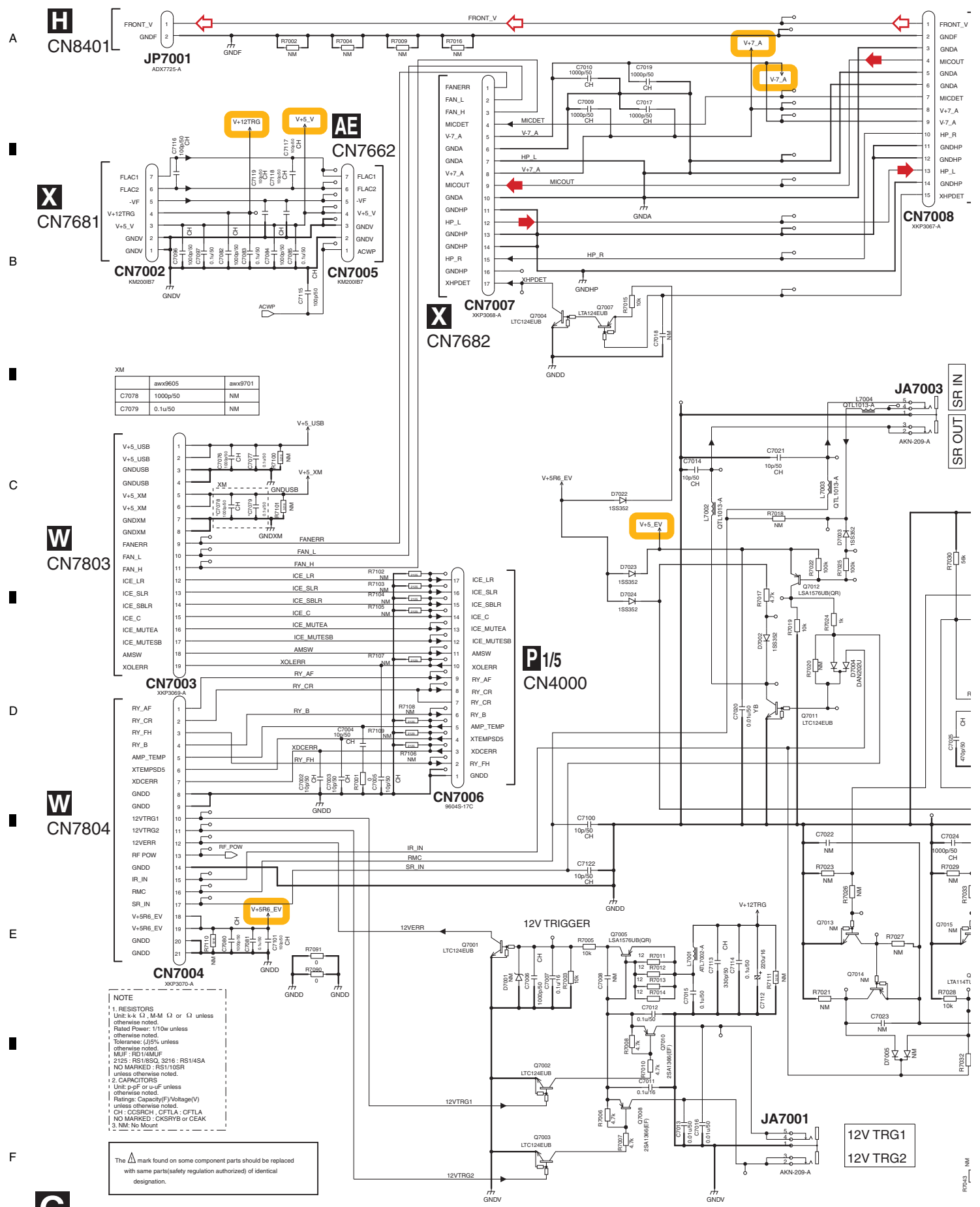
**F**<sup>2/10-8/10</sup>

**SC-37**

**F**<sup>10/10</sup>

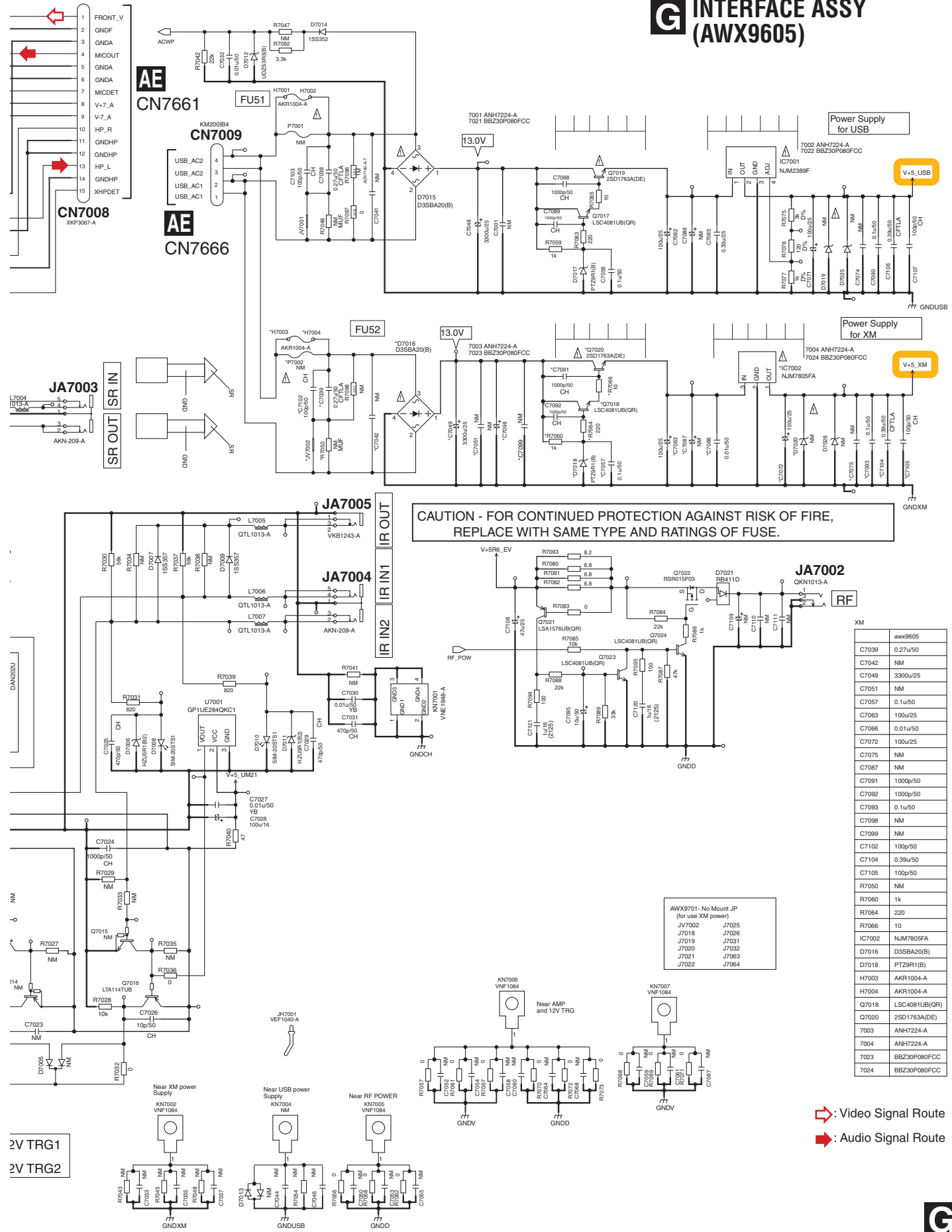
# 10.20 INTERFACE ASSY

1 2 3 4



1 2 3 4

# INTERFACE ASSY (AWX9605)



| Part No. | Description   |
|----------|---------------|
| awx9605  |               |
| C7039    | 0.27u/50      |
| C7042    | NM            |
| C7049    | 3300u/25      |
| C7051    | NM            |
| C7057    | 0.1u/50       |
| C7063    | 100u/25       |
| C7066    | 0.01u/50      |
| C7072    | 100u/25       |
| C7075    | NM            |
| C7087    | NM            |
| C7091    | 1000p/50      |
| C7092    | 1000p/50      |
| C7093    | 0.1u/50       |
| C7098    | NM            |
| C7099    | NM            |
| C7102    | 100p/50       |
| C7104    | 0.39u/50      |
| C7105    | 100p/50       |
| R7050    | NM            |
| R7060    | 1k            |
| R7064    | 220           |
| R7066    | 10            |
| IC7002   | NJM7805FA     |
| D7016    | D3SBA20(B)    |
| D7018    | PT291R(B)     |
| H7003    | AKR1004-A     |
| H7004    | AKR1004-A     |
| Q7018    | LSC4081UB(OR) |
| Q7020    | 2SD1763A(DE)  |
| 7003     | ANH7224-A     |
| 7004     | ANH7224-A     |
| 7023     | BBZ30P080FCC  |
| 7024     | BBZ30P080FCC  |

AWX9701- No Mount JP  
(for use XM power)

|        |       |
|--------|-------|
| JV7002 | J7025 |
| J7018  | J7026 |
| J7019  | J7031 |
| J7020  | J7032 |
| J7021  | J7063 |
| J7022  | J7064 |

➡ Video Signal Route  
➡ Audio Signal Route



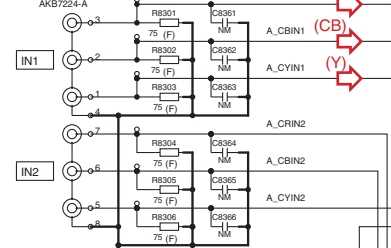
# 10.21 COMPONENT ASSY

## COMPONENT ASSY (AWX9654)

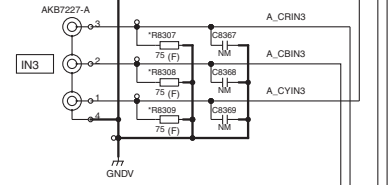
F5/10 CN1502

F5/10 CN1501

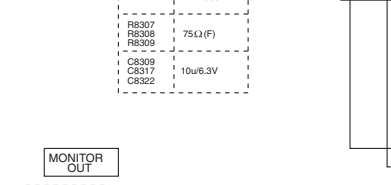
\*JA8301



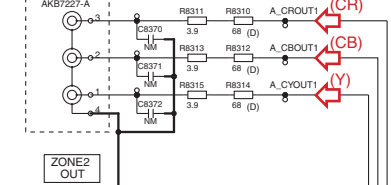
\*JA8302



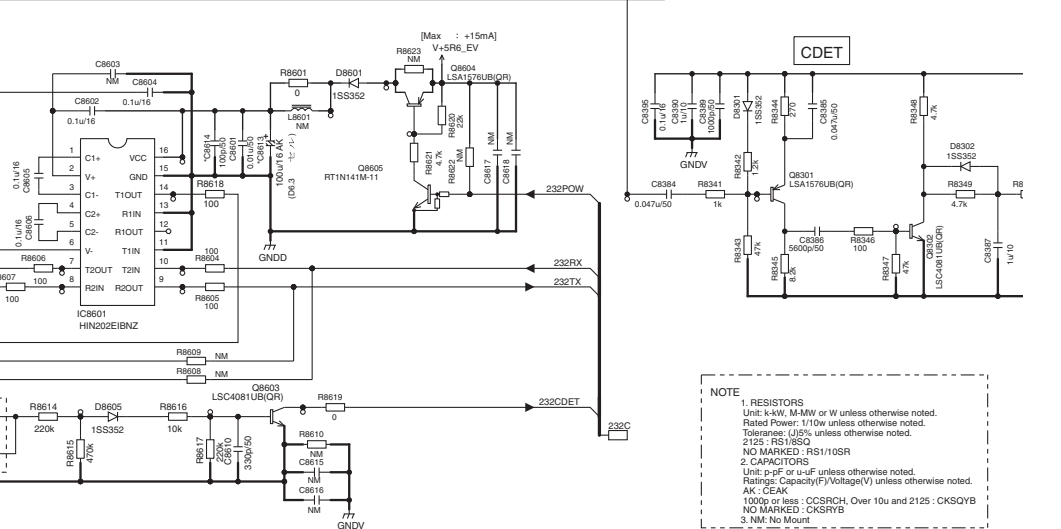
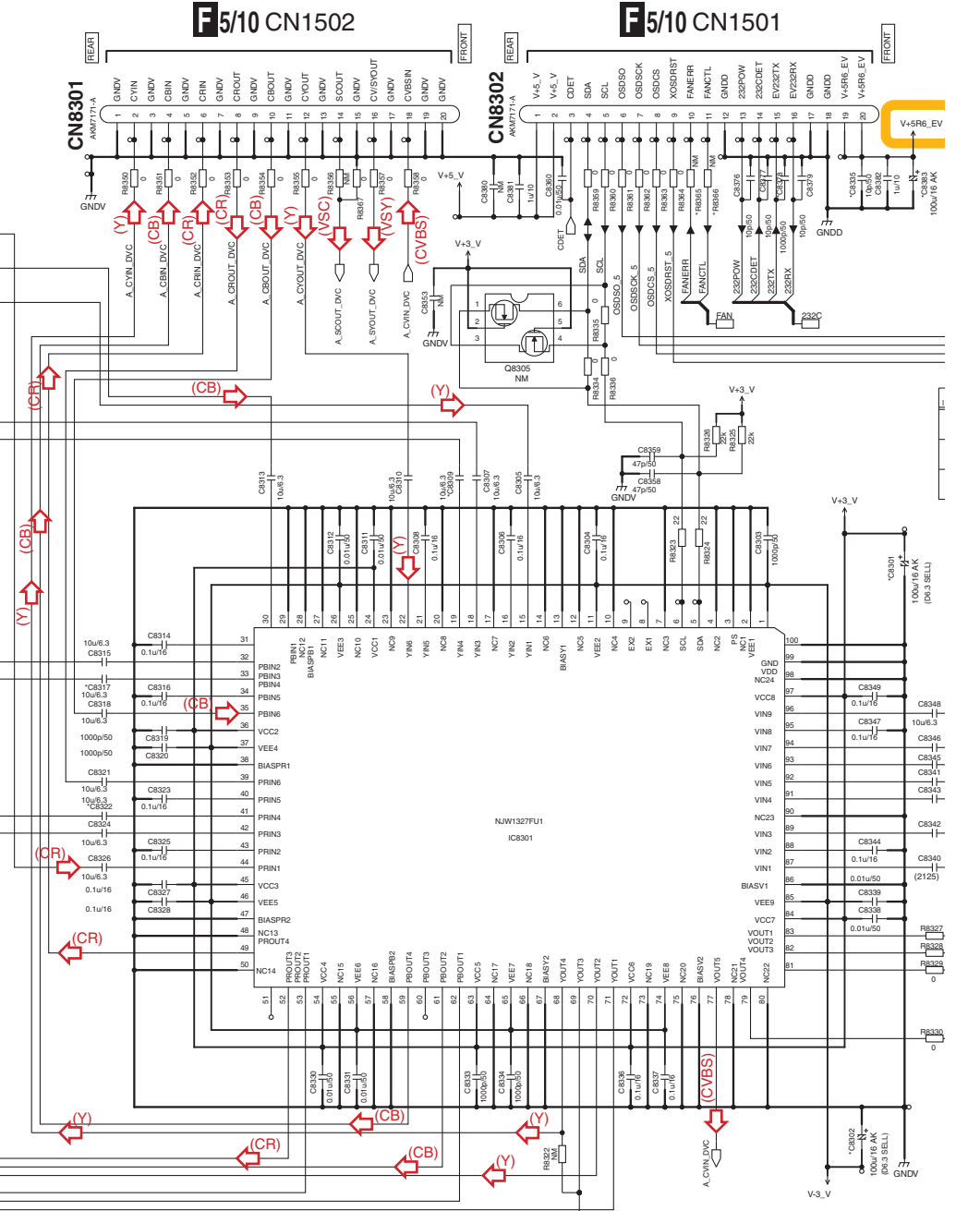
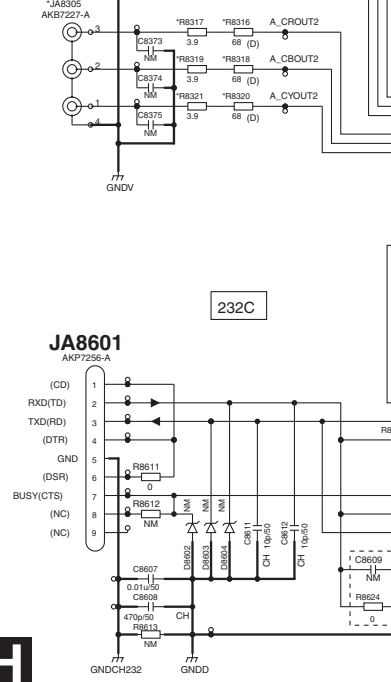
\*JA8304



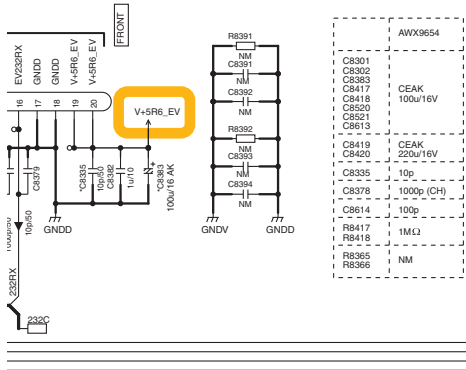
\*JA8305



\*JA8601

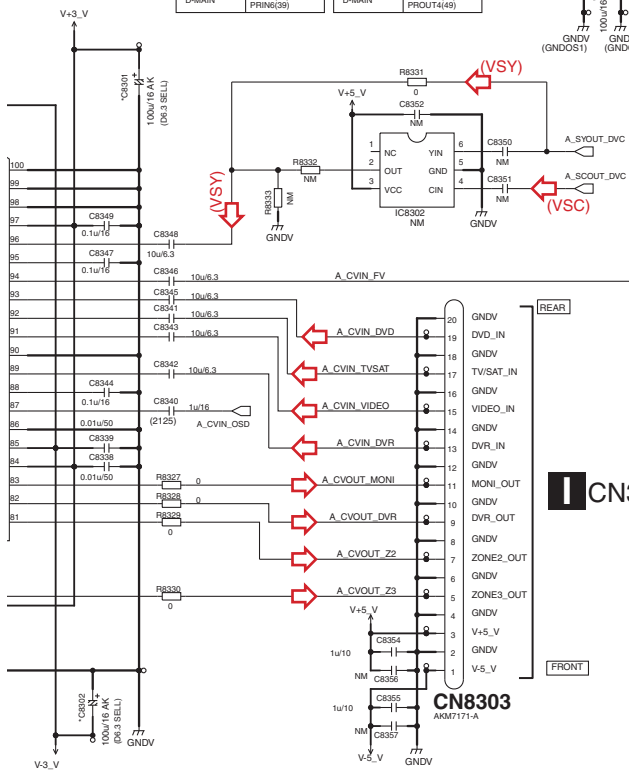
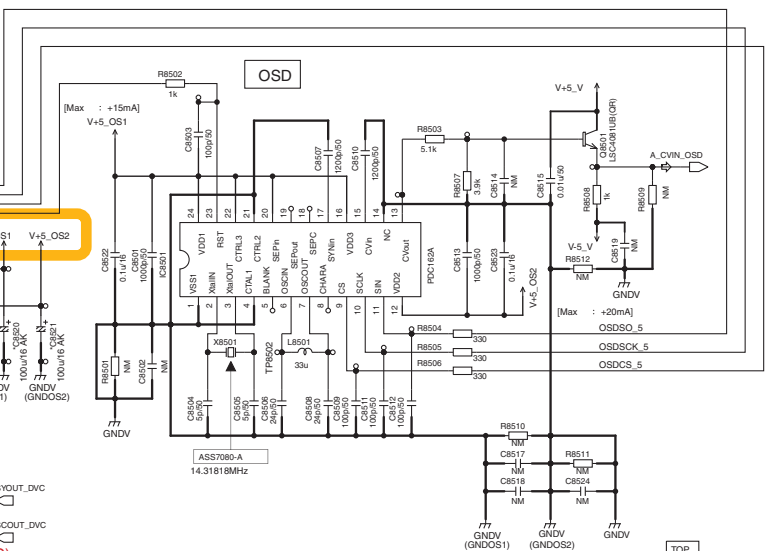
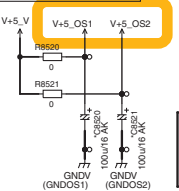


**NOTE**  
 1. RESISTORS  
 Unit: k- $\Omega$ , M- $\Omega$  or W unless otherwise noted.  
 Rated Power: 1/10w unless otherwise noted.  
 Tolerance: J(5% unless otherwise noted).  
 2125: RS1850S  
 NO MARKED: RS1710SR  
 2. CAPACITORS  
 Unit: p-F or u-F unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
 AK: CEAK  
 1000p or less : CCSRCH, Over 10u and 2125 : KQSVQB  
 NO MARKED : CKSRYB  
 3. NM: No Mount



|       |            |          |
|-------|------------|----------|
| C8301 | CEAK       | 100u/16V |
| C8302 |            |          |
| C8303 |            |          |
| C8417 |            |          |
| C8418 |            |          |
| C8520 |            |          |
| C8513 |            |          |
| C8411 | CEAK       | 220u/16V |
| C8420 |            |          |
| C8335 | 10p        |          |
| C8378 | 1000p (CH) |          |
| C8514 | 100p       |          |
| R8417 | 1MΩ        |          |
| R8418 |            |          |
| R8365 |            |          |
| R8366 | NM         |          |

| COMPONENT INPUT TERMINAL | NJW1327FU1 CORRESPOND TERMINAL      | COMPONENT OUTPUT TERMINAL | NJW1327FU1 CORRESPOND TERMINAL         |
|--------------------------|-------------------------------------|---------------------------|--|
| IN1                      | YIN1 (15)<br>PBIN1(30)<br>PRIN1(44) | MONITOR OUT               | YOUT2 (70)<br>PBOUT2(81)<br>PROUT2(52) |
| IN2                      | YIN3 (18)<br>PBIN3(32)<br>PRIN3(42) | to CDDET                  | YOUT3 (69)<br>(YOUT3-YOUT4)            |
| from D-MAIN              | YIN6 (22)<br>PBIN6(35)<br>PRIN6(39) | to D-MAIN                 | YOUT4 (68)<br>PBOUT4(59)<br>PROUT4(45) |



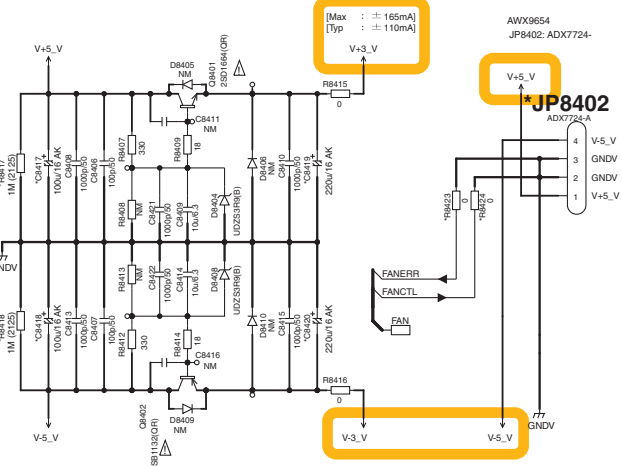
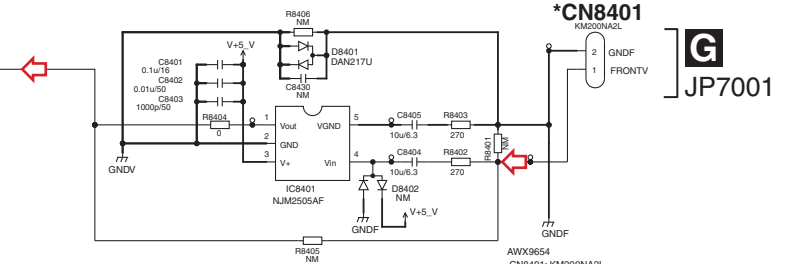
**CN3601**

**IC8303**  
AKM7171-A

| COMPOSITE INPUT TERMINAL | NJW1327FU1 CORRESPOND TERMINAL |
|--------------------------|--------------------------------|
| OSD IC                   | VIN1 (87)                      |
| DVR_IN                   | VIN3 (89)                      |
| VIDEO_IN                 | VIN4 (91)                      |
| TVSAT_IN                 | VIN5 (92)                      |
| DVD_IN                   | VIN6 (93)                      |
| FrontV                   | VIN7 (94)                      |
| to D-MAIN                | VIN8 (95)                      |

| COMPONENT OUTPUT TERMINAL | NJW1327FU1 CORRESPOND TERMINAL |
|---------------------------|--------------------------------|
| MONITOR OUT               | YOUT1 (85)                     |
| DVR_OUT                   | YOUT2 (82)                     |
| ZONE2_OUT                 | YOUT3 (81)                     |
| ZONE3_OUT                 | YOUT4 (79)                     |
| to D-MAIN                 | YOUT5 (77)                     |



- (VSC)(VSY) (CVBS) : Video Signal Route
- (CB) : Video Signal Route
- (CR) : Video Signal Route
- (Y) : Video Signal Route
- (V) : Video Signal Route

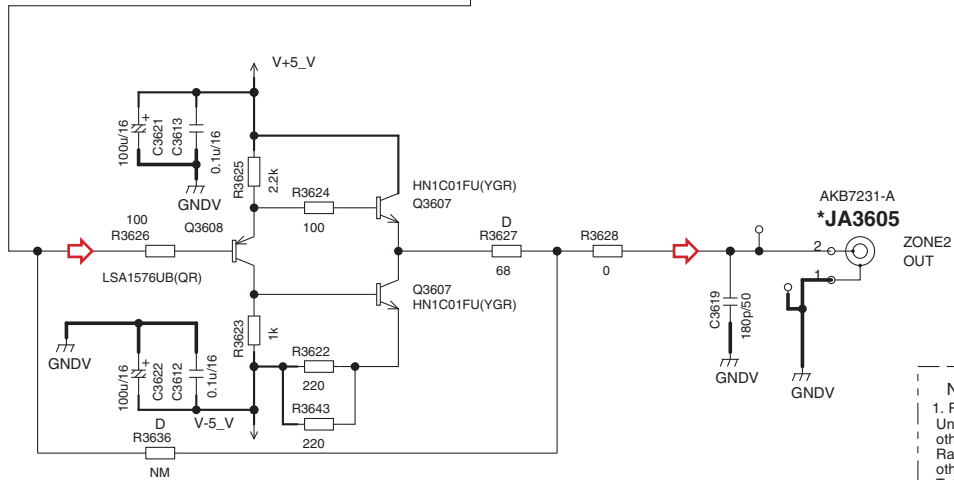
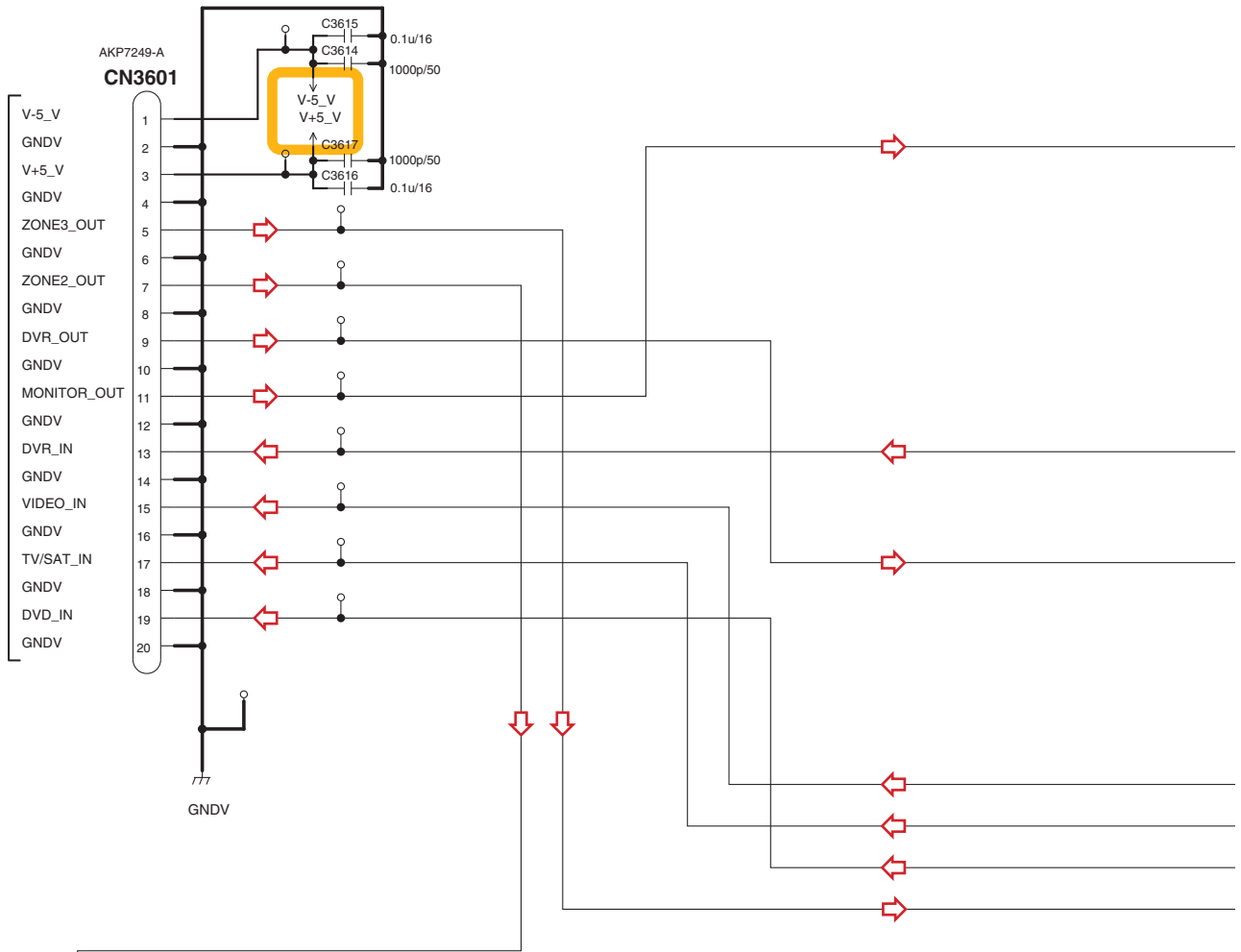
less otherwise noted, is otherwise noted otherwise noted.

otherwise noted age(V) unless otherwise noted.

Over 10u and 2125 : CKSQYB

# 10.22 COMPOSITE ASSY

|          |              |
|----------|--------------|
|          | SC-37 series |
|          | AWX9652-     |
| JA3601-3 | AKB7229-A    |
| JA3604   | AKB7231-A    |
| JA3605   | AKB7231-A    |



**NOTE**

- RESISTORS**  
Unit: k-k Ω, M-M Ω or Ω unless otherwise noted.  
Rated Power: 1/10w unless otherwise noted.  
Tolerance: (J)5% unless otherwise noted.
- CAPACITORS**  
Unit: p-pF or u-uF unless otherwise noted.  
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
CH : CCSRCH  
NO MARKED : CKSRYB
- NM: No Mount

↔ : Video Signal Route

# COMPOSITE ASSY (AWX9652)

A

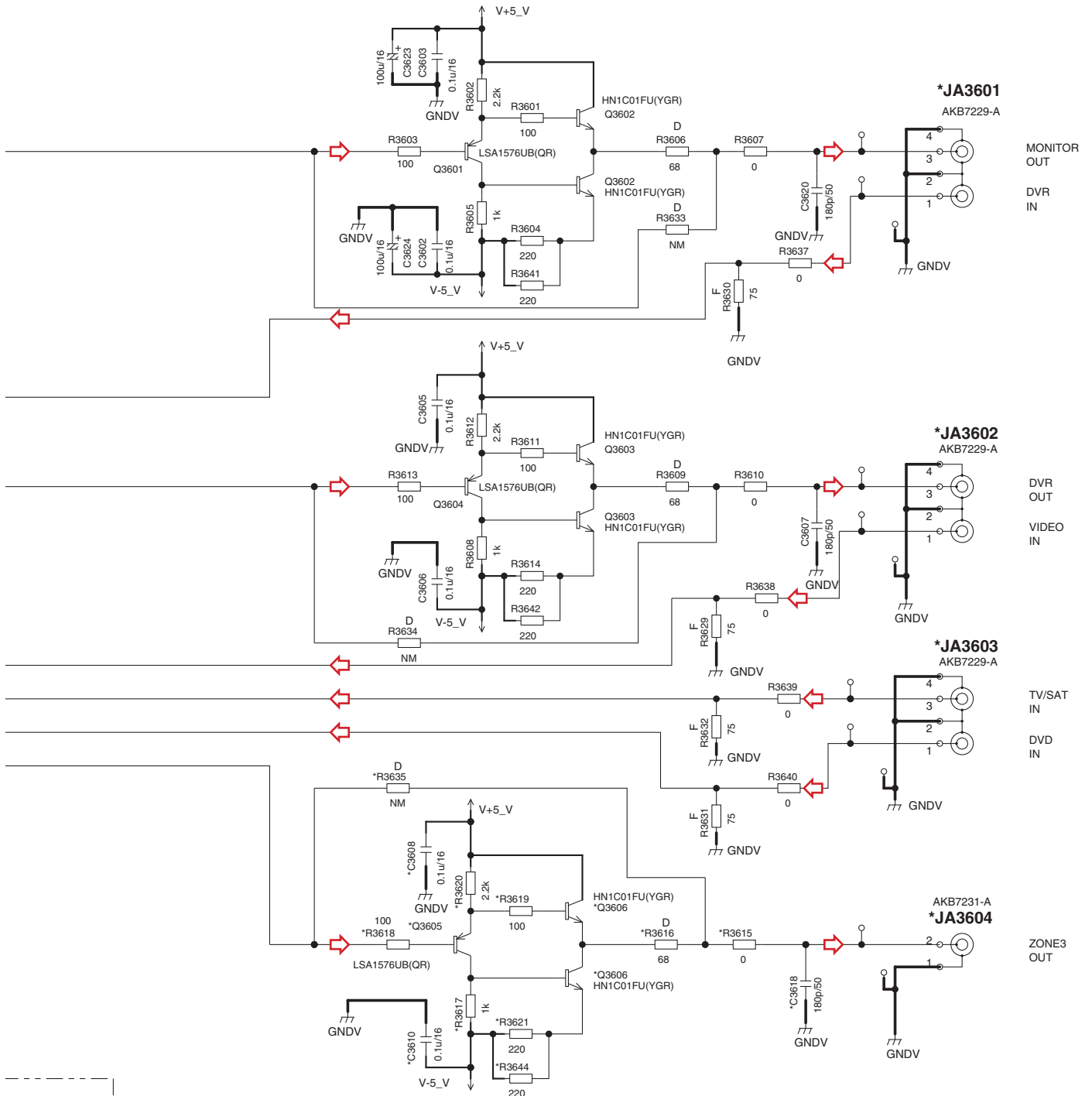
B

C

D

E

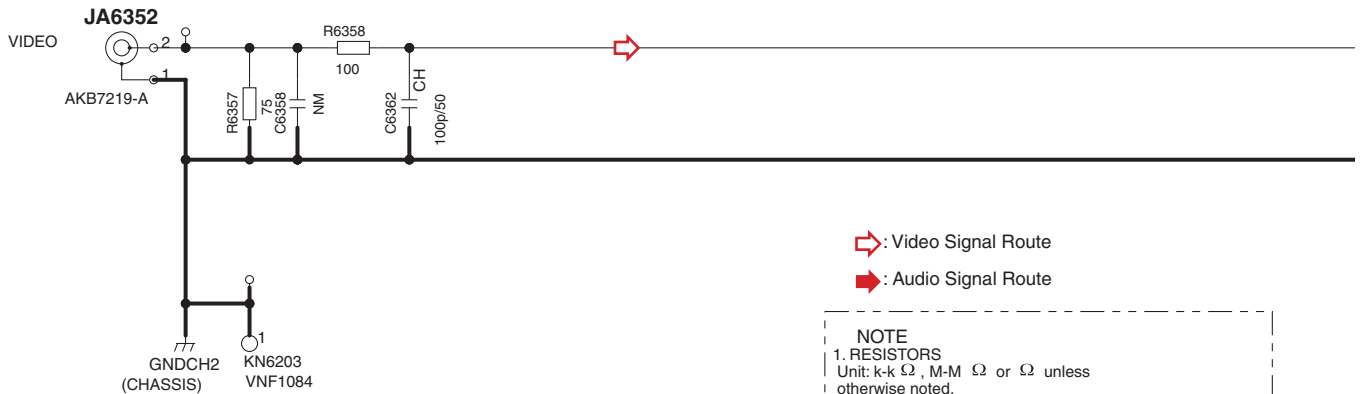
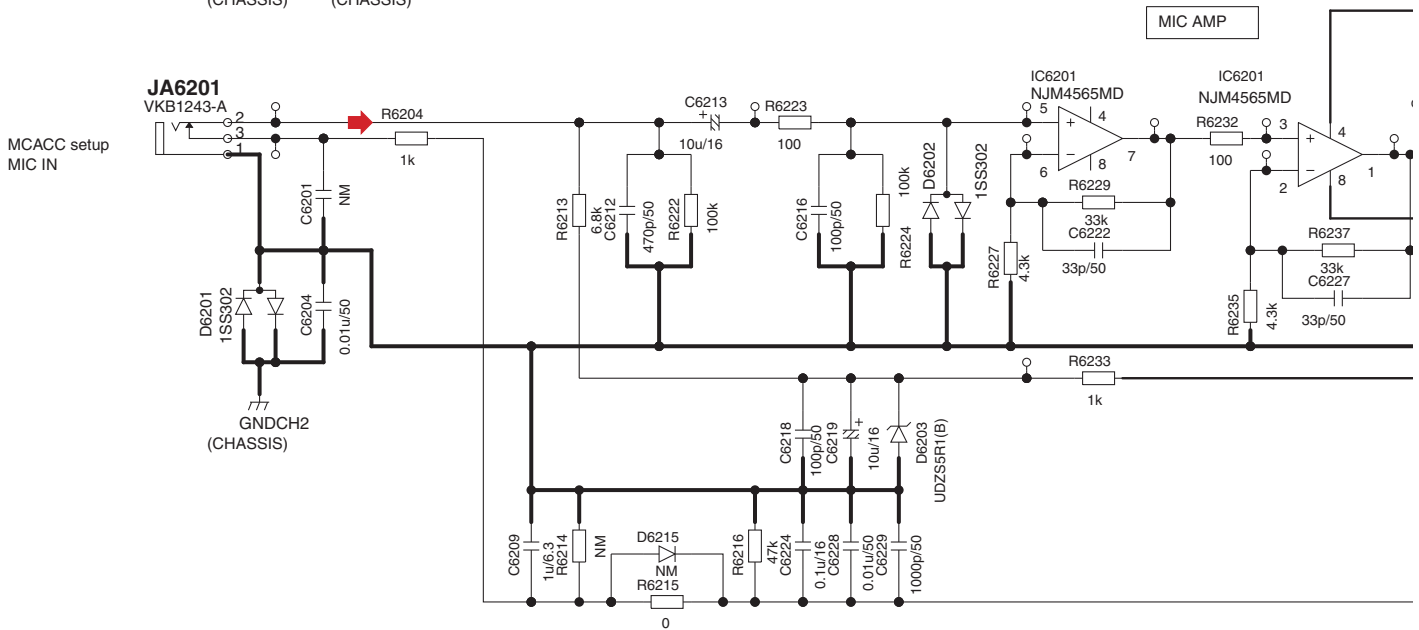
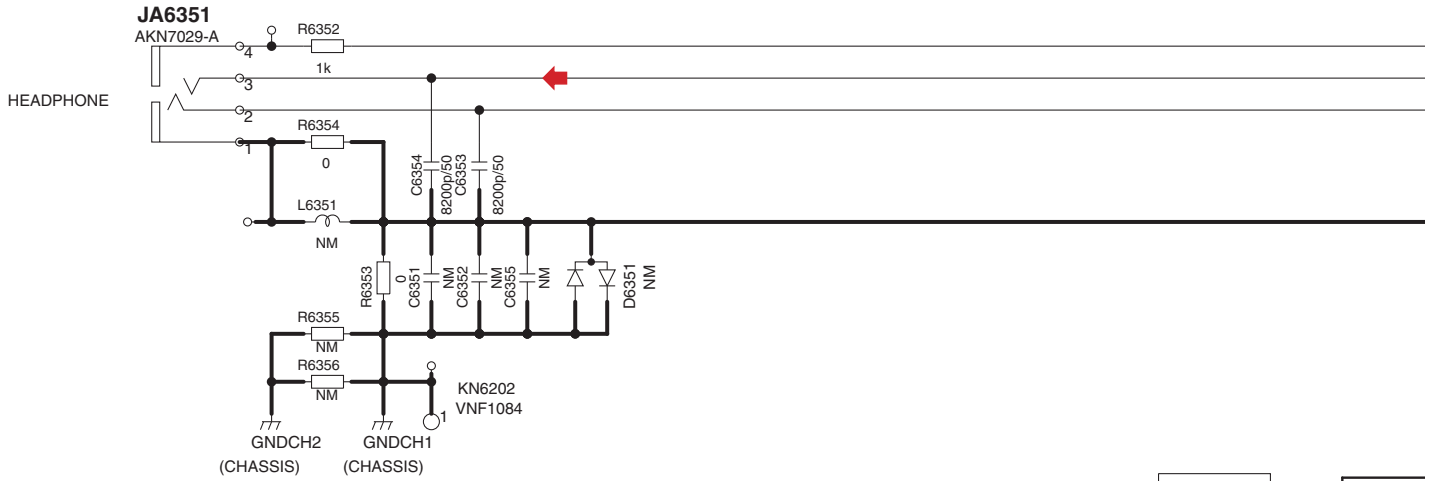
F



M Ω or Ω unless  
 . 10w unless  
 % unless  
 ;  
 iF unless  
 ty(F)/Voltage(V)  
 ≠ noted.  
 CKSRYB  
 t

# 10.23 MIC HP ASSY

## J MIC HP ASSY (AWX9599)

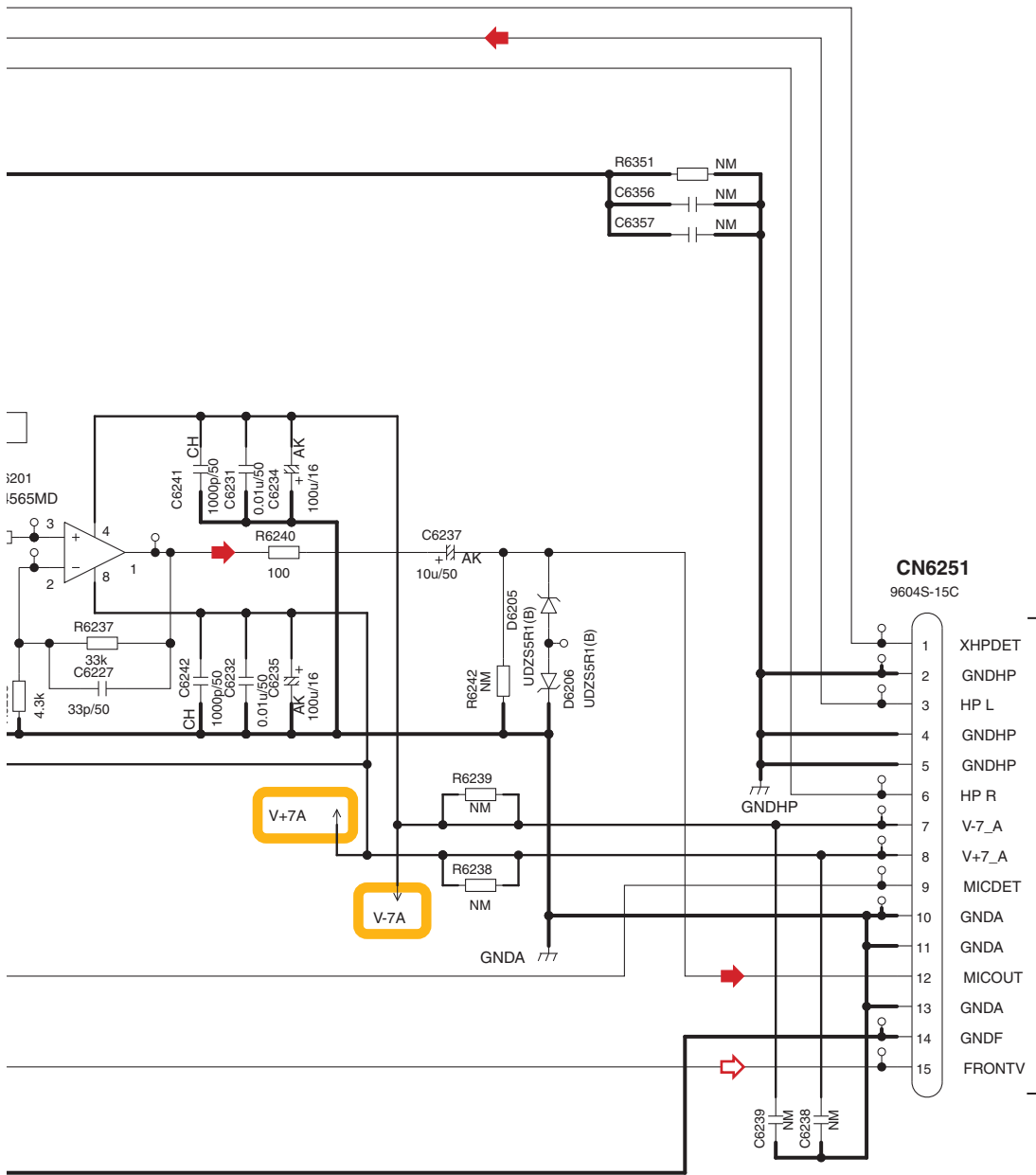


◻: Video Signal Route  
 ◼: Audio Signal Route

**NOTE**

1. RESISTORS  
 Unit: k-k Ω, M-M Ω or Ω unless otherwise noted.  
 Rated Power: 1/16w unless otherwise noted.  
 Tolerance: (J)5% unless otherwise noted.

2. CAPACITORS  
 Unit: p-pF or u-uF unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
 CH : CCSRCH  
 NO MARKED : CKSRYB  
 3. NM: No Mount





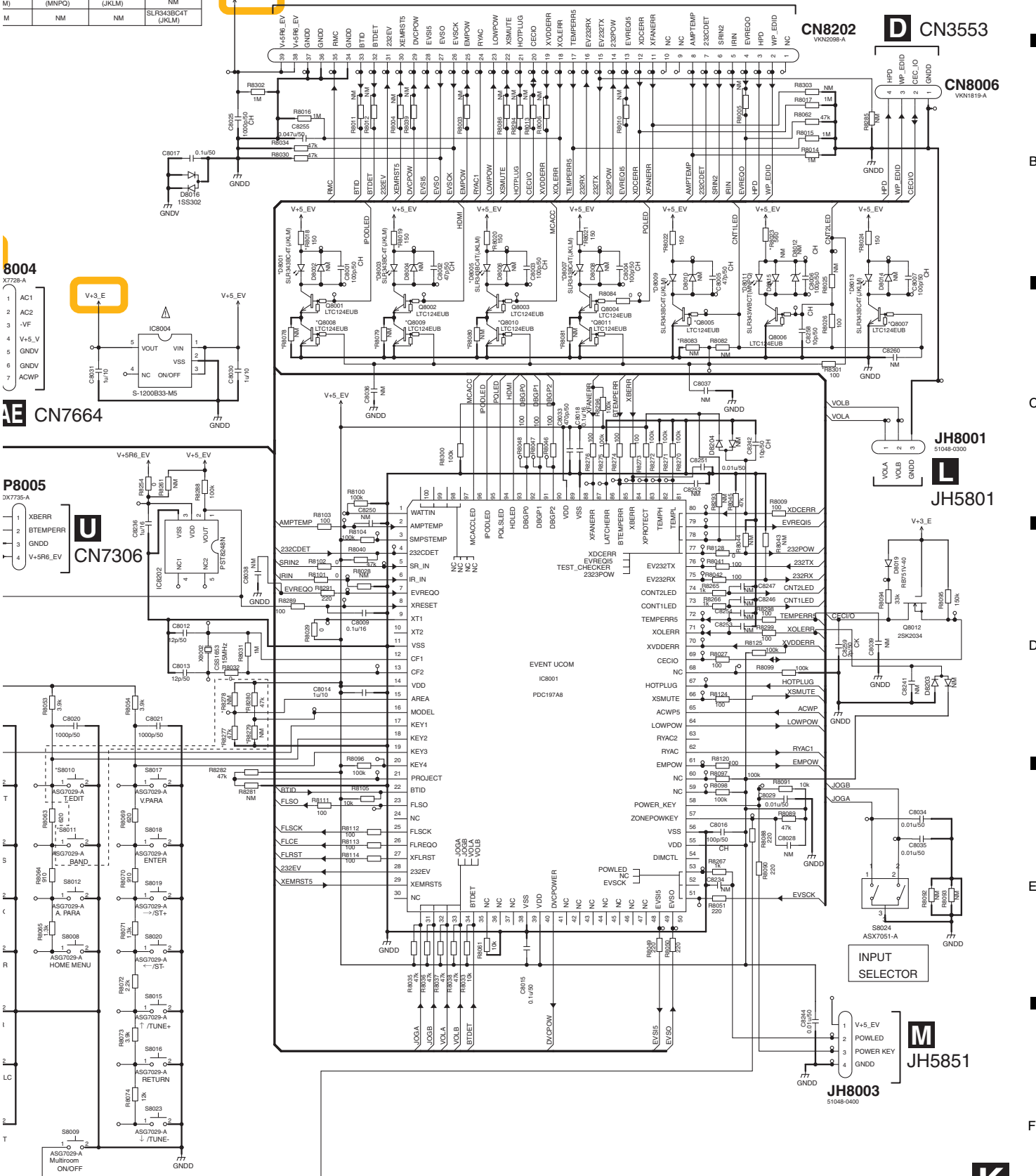
|                   |                   |                   |
|-------------------|-------------------|-------------------|
| D8003             | D8005             | D8007             |
| SLR343BC4T (JKLM) | SLR343BC4T (JKLM) | SLR343BC4T (JKLM) |
| SLR343VC (NFC)    | SLR343VC (NFC)    | SLR343VC (NFC)    |

|       |       |       |       |       |       |            |            |            |            |
|-------|-------|-------|-------|-------|-------|------------|------------|------------|------------|
| R8080 | R8081 | R8083 | R8301 | C8005 | C8007 | Q8008      | Q8009      | Q8010      | Q8011      |
| NM    | NM    | NM    | 100   | 47p   | 100p  | LTC124 EUB | LTC124 EUB | LTC124 EUB | LTC124 EUB |
| 0     | 0     | 0     | NM    | NM    | NM    | NM         | NM         | NM         | NM         |

|        |                  |                   |                   |
|--------|------------------|-------------------|-------------------|
| 09     | D8011            | D8013             | D8015             |
| 3C4T M | SLR343WBCT (NFC) | SLR343BC4T (JKLM) | NM                |
| M      | NM               | NM                | SLR343BC4T (JKLM) |

**K** **DISPLAY ASSY**  
**(SC-37: AWX9600)**  
**(SC-35: AWX9686)**  
**(SC-1525-K: AWX9687)**

**AD** CN7652



**8004**  
X1728-A

- 1 AC1
- 2 AC2
- 3 -VF
- 4 V+5\_V
- 5 GNDV
- 6 GNDV
- 7 ACWP

**AE** CN7664

**P8005**  
DX7735-A

**U** CN7306

**L** JH8001  
51048-0300

**L** JH5801

**INPUT SELECTOR**

**M** JH5851  
51048-0400

**JH8003**  
51048-0400



# 10.25 ICE BUFFER ASSY

1 2 3 4

A

➔ : Audio Signal Route

Y

CN6951

B

C

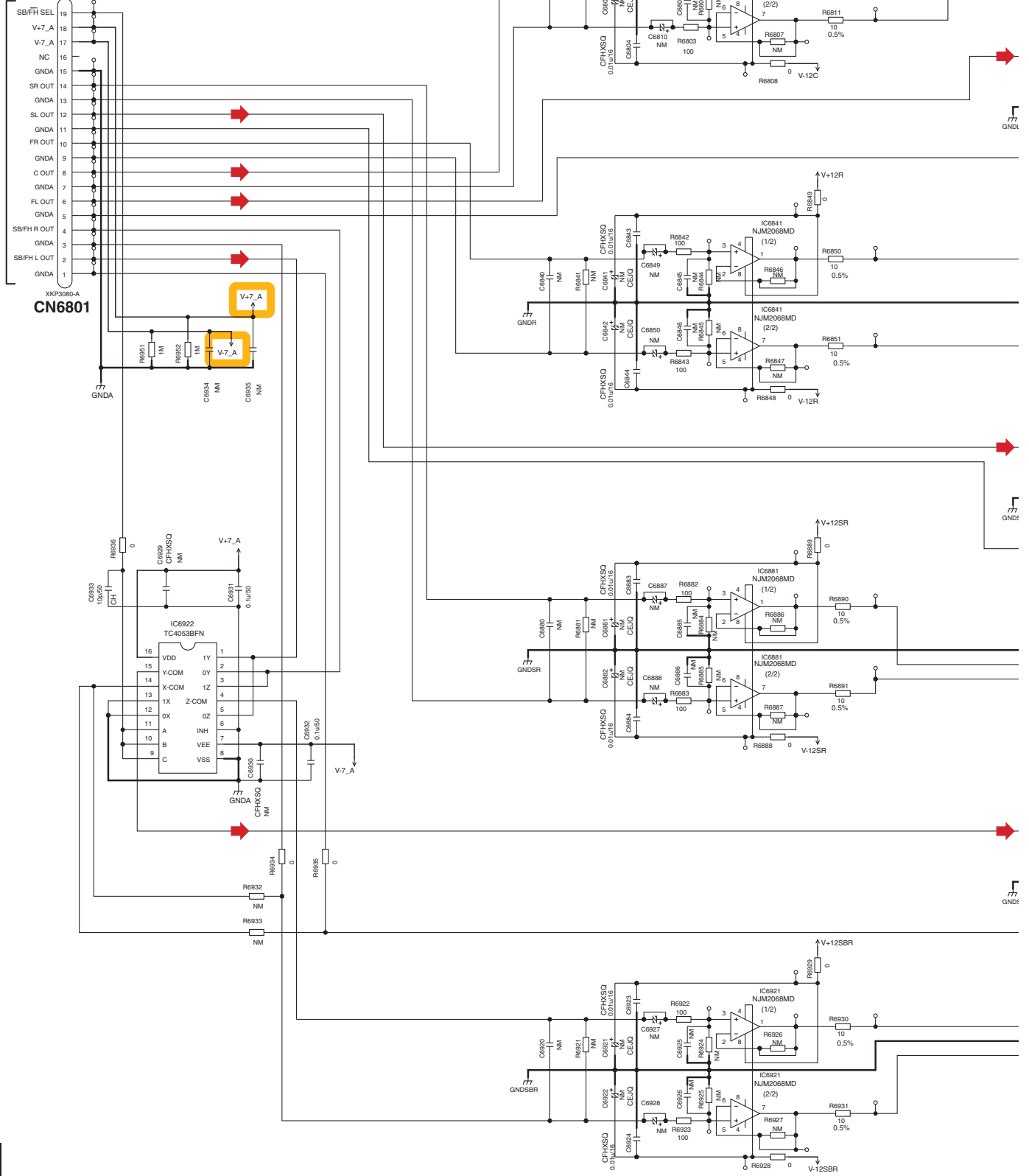
D

E

F

N

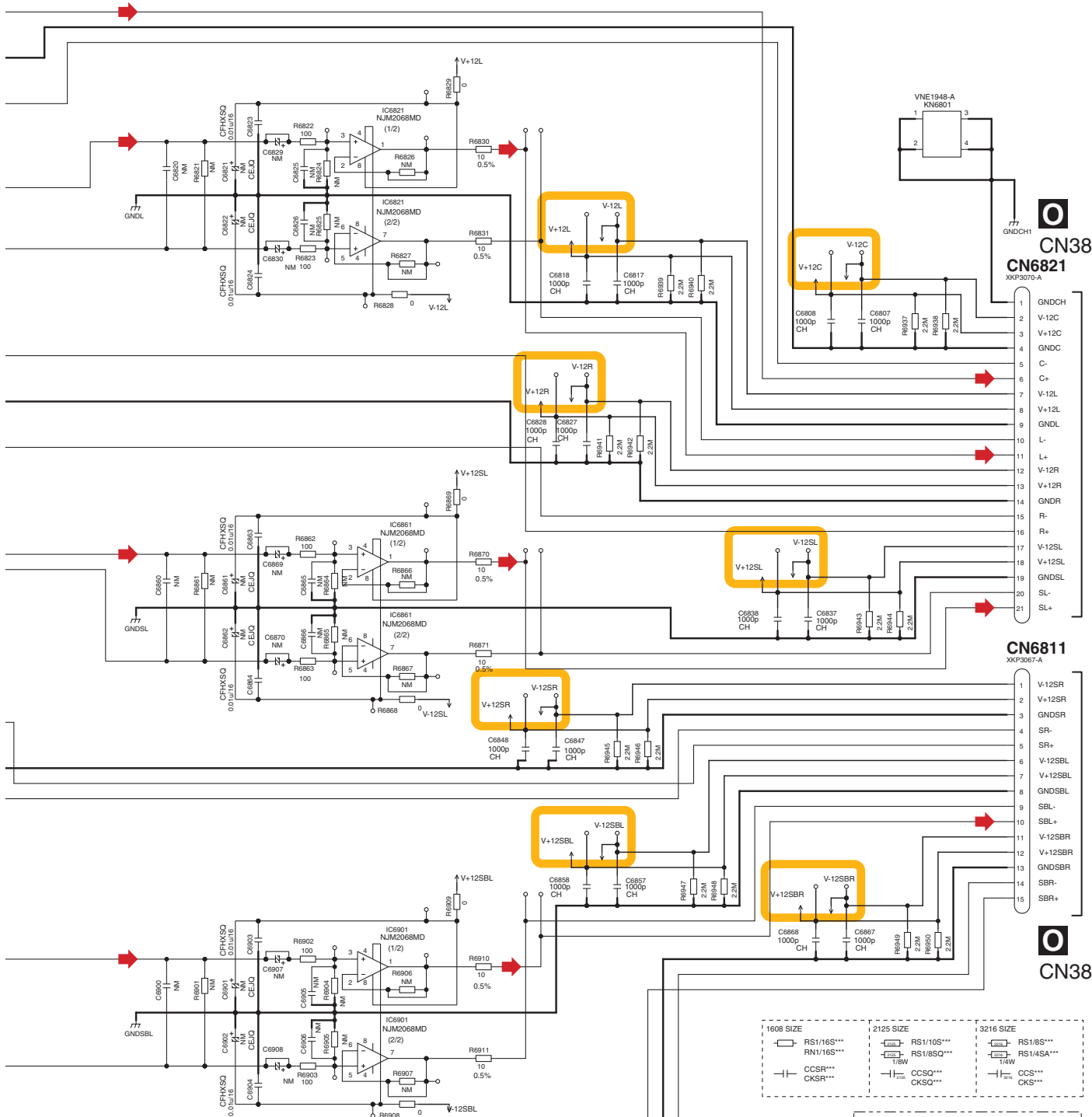
168



1 2 3 4

# ICE BUFFER ASSY (AWX9598)

A  
B  
C  
D  
E  
F



**○**  
**CN3801**  
**CN6821**  
 XKP3070-A

**○**  
**CN6811**  
 XKP3067-A

**○**  
**CN3802**

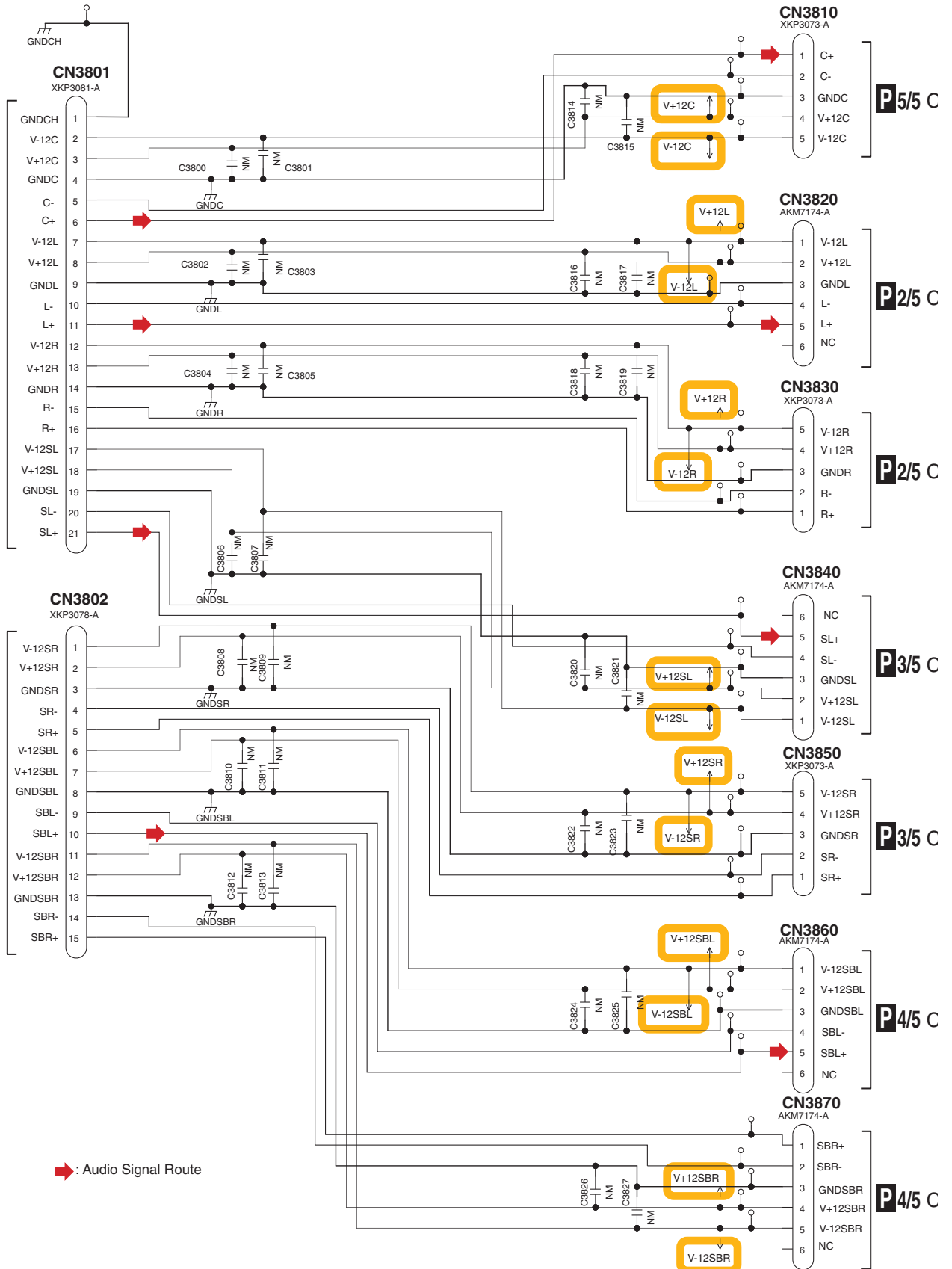
| 1608 SIZE  | 2125 SIZE  | 3216 SIZE  |
|------------|------------|------------|
| RS1/16S*** | RS1/10S*** | RS1/8S***  |
| RN1/16S*** | RS1/8SQ*** | RS1/4SA*** |
| CCSR***    | CCSO***    | CCS***     |
| CKSR***    | CKSO***    | CKS***     |

**NOTE**  
 1. RESISTORS  
 Unit: k Ω, M Ω or Ω unless otherwise noted.  
 Rated Power: 1/16W unless otherwise noted.  
 Tolerance: (J)5% unless otherwise noted.  
 2. CAPACITORS  
 Unit: pF or nF unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
 YB: CKSRYB.CH-CCSRCH  
 3. NM: No Mount

# 10.26 ICE INTERFACE ASSY

## ICE INTERFACE ASSY (AWX9596)

A  
B  
C  
D  
E  
F



N CN6821

N CN6811



**3810**  
J73-A

C+  
C-  
GNDC  
V+12C  
V-12C

**P 5/5** CN4700

**3820**  
174-A

V-12L  
V+12L  
GNDL  
L-  
L+  
NC

**P 2/5** CN4100

**3830**  
J073-A

V-12R  
V+12R  
GNDR  
R-  
R+

**P 2/5** CN4200

**3840**  
1174-A

NC  
SL+  
SL-  
GNDSL  
V+12SL  
V-12SL

**P 3/5** CN4300

**3850**  
J073-A

V-12SR  
V+12SR  
GNDSR  
SR-  
SR+

**P 3/5** CN4400

**3860**  
174-A

V-12SBL  
V+12SBL  
GNDSBL  
SBL-  
SBL+  
NC

**P 4/5** CN4500

**3870**  
74-A

SBR+  
SBR-  
GNDSBR  
V+12SBR  
V-12SBR  
NC

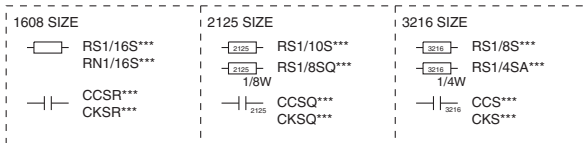
**P 4/5** CN4600

**NOTE**

1. RESISTORS  
Unit: k-k Ω , M-M Ω or Ω unless otherwise noted.  
Rated Power: 1/16w unless otherwise noted.  
Tolerance: (J)5% unless otherwise noted.

2. CAPACITORS  
Unit: p-pF or u-uF unless otherwise noted.  
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
YB:CKSRYB,CH:CCSRCH

3. NM: No Mount



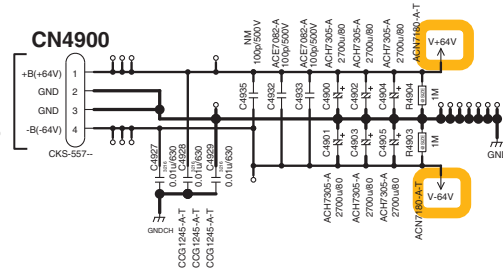


2/5-5/5

# P 1/5 ICEPOWER AMP ASSY (1/5) (SC-37: AWH7024) (SC-35,SC-1525-K: AWH7025)

The  $\Delta$  mark found on some component parts should be replaced with same parts(safety regulation authorized) of identical designation.

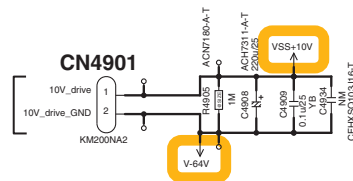
**U**  
CN7303



AMUTE P 2/5,3/5,5/5



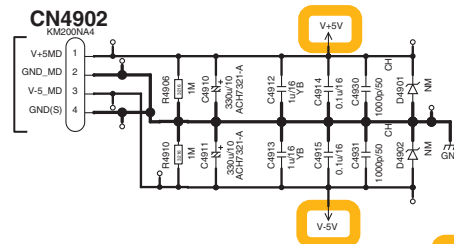
**T**  
CN7241



SBMUTE P 4/5



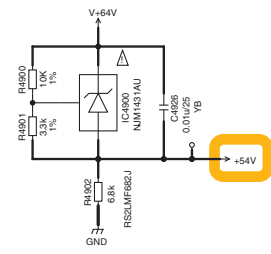
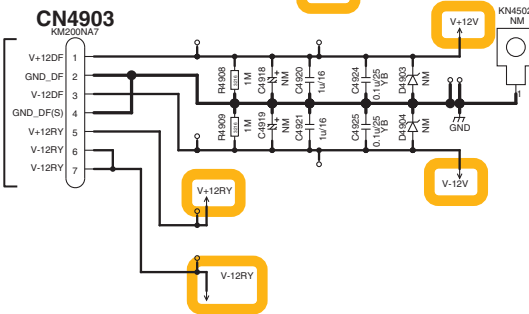
**T**  
CN7271



/5 RYA P 2/5



**T**  
CN7251



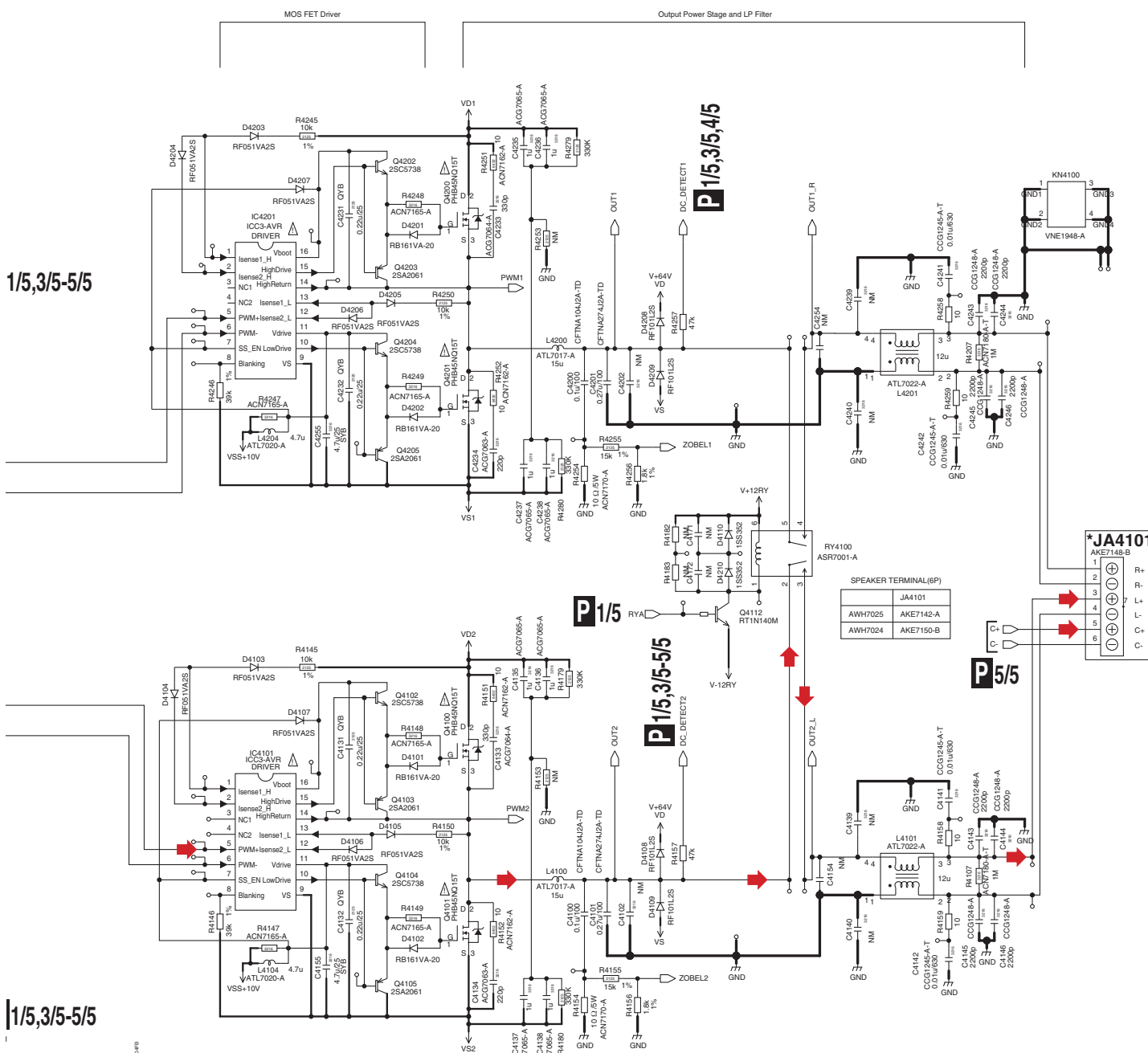
**NOTE**  
1. RESISTORS  
Unit: k-k $\Omega$ , M-M $\Omega$  or  $\Omega$  unless otherwise noted.  
Rated Power: 1/16w unless otherwise noted.  
Tolerance:  $\pm$ 1% unless otherwise noted.  
2. CAPACITORS  
Unit: p-pF or u-uF unless otherwise noted.  
Ratings: Capacitor(F)(Voltage(V)) unless otherwise noted.  
HAT:GEHAT, ZL:CEHAZL  
3. NM: No Mount

| 1608 SIZE  | 2125 SIZE  | 3216 SIZE  |
|------------|------------|------------|
| RS1/16S*** | RS1/10S*** | RS1/8S***  |
| RN1/16S*** | RS1/8SQ*** | RS1/4SA*** |
| CCSR***    | CCSQ***    | CCS***     |
| CKSR***    | CKSQ***    | CKS***     |



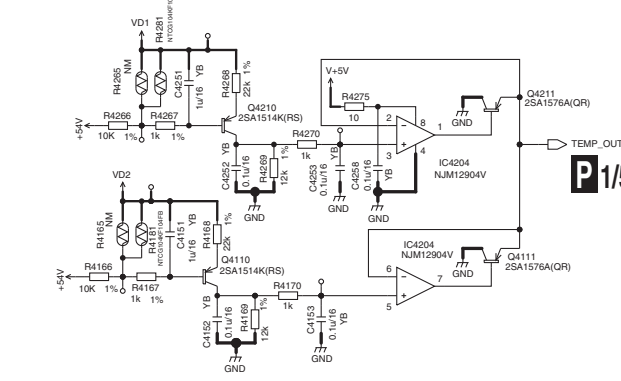
# P<sub>2/5</sub> ICEPOWER AMP ASSY (2/5) (SC-37: AWH7024) (SC-35, SC-1525-K: AWH7025)

A  
B  
C  
D  
E  
F



1/5,3/5-5/5

1/5,3/5-5/5



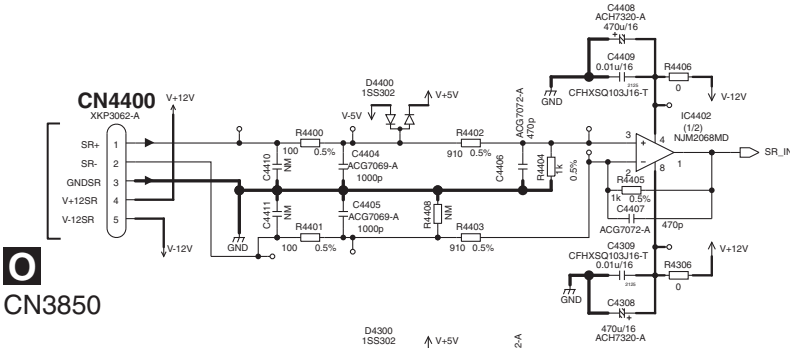
**NOTE**  
 1. RESISTORS  
 Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.  
 Rated Power: 1/16w unless otherwise noted.  
 Tolerances: ±1%, unless otherwise noted.  
 2. CAPACITORS  
 Unit: p-pF or μ-μF unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
 YB: CkSRVB, OYB: CkSQVB, SYB: CkSYB, CH: CCSRCH  
 HAT: GEHAT, ZL: CEHAZL  
 3. NM: No Mount

| 1608 SIZE          | 2125 SIZE                           | 3216 SIZE   |
|--------------------|-------------------------------------|---|
| CCSR***<br>CKSR*** | RS11/05***<br>RS11/80***<br>CCSQ*** | RS1/85***<br>RS1/45A***<br>1/4W<br>CCS***<br>CKS*** |

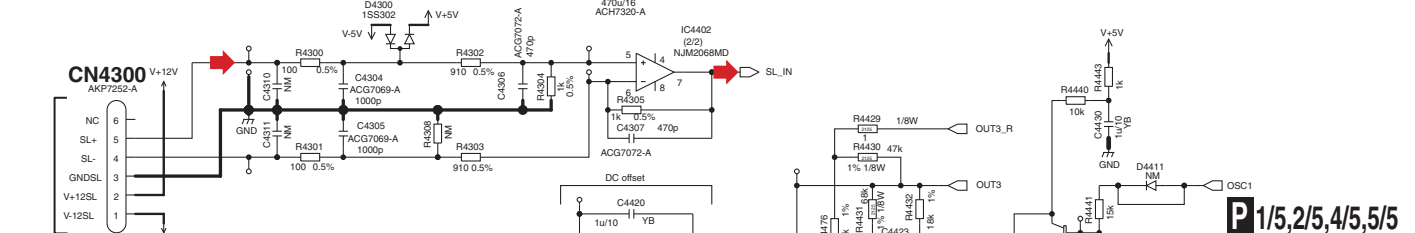
➔ Audio Signal Route

# 10.29 ICEPOWER AMP ASSY (3/5)

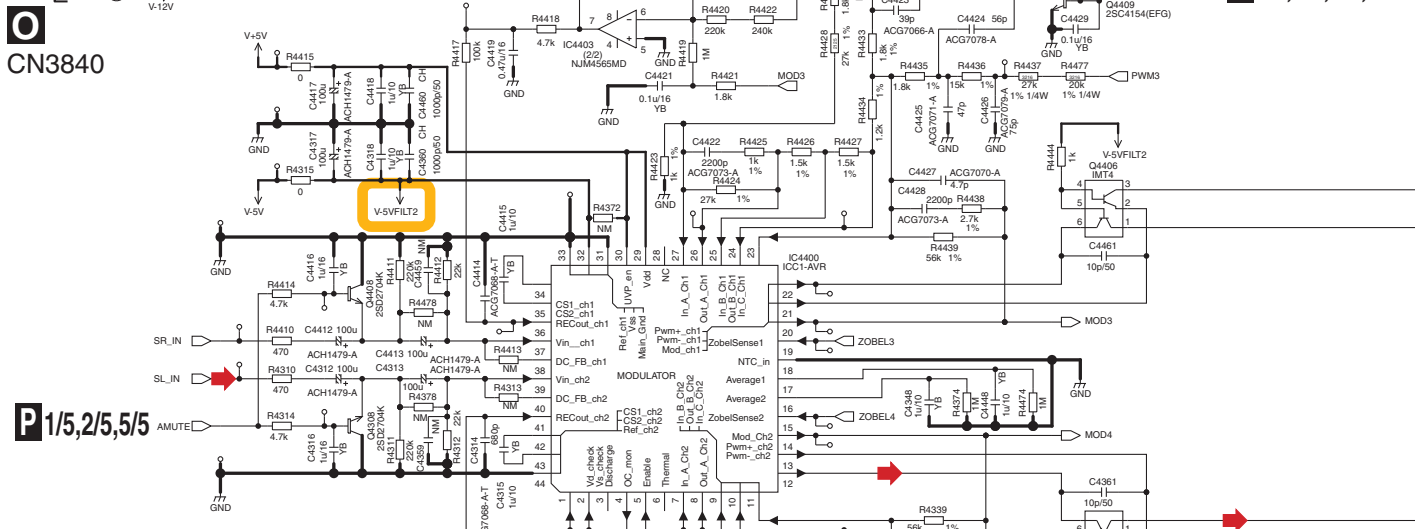
A



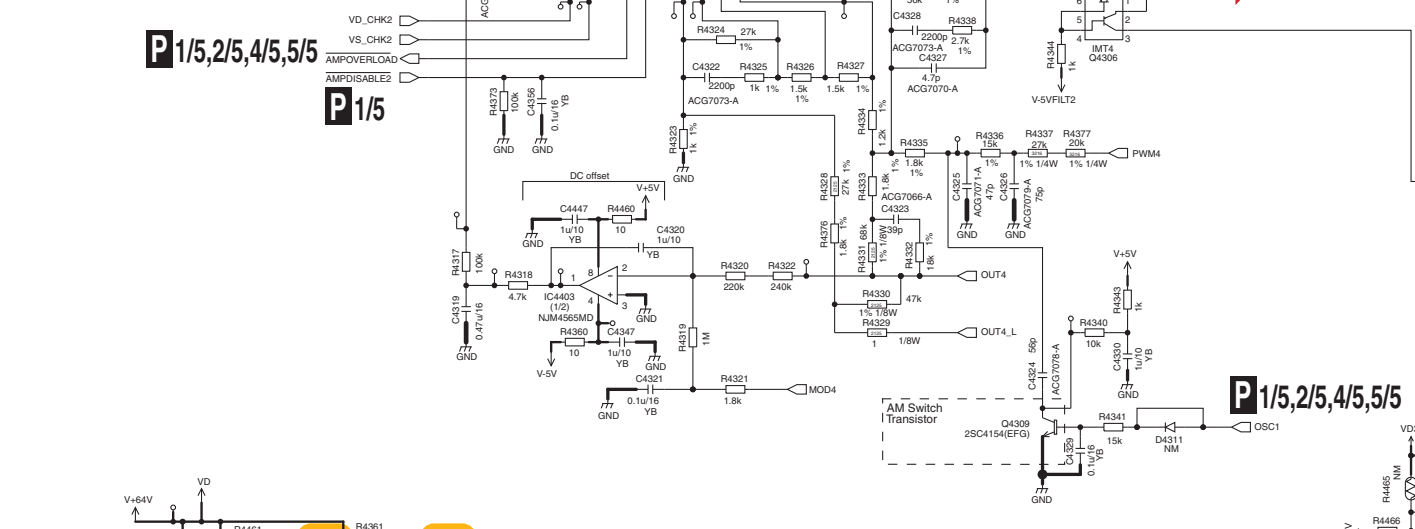
B



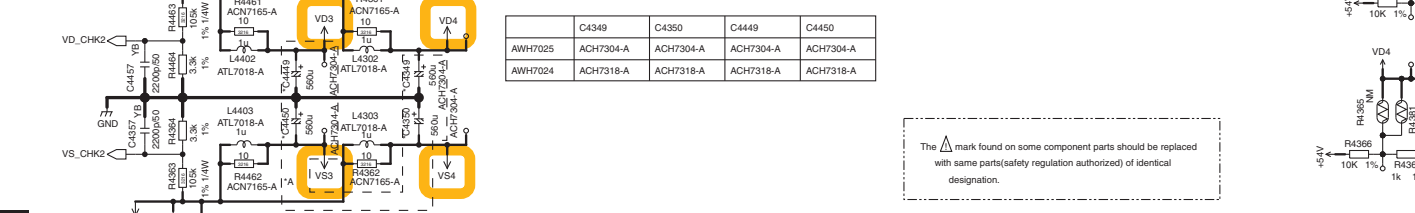
C



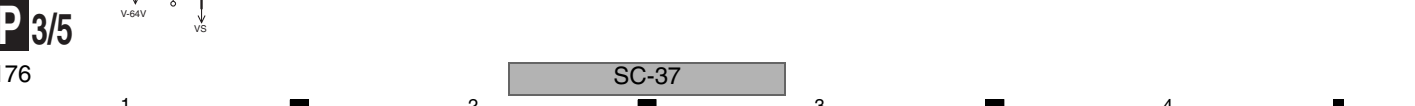
D



E



F



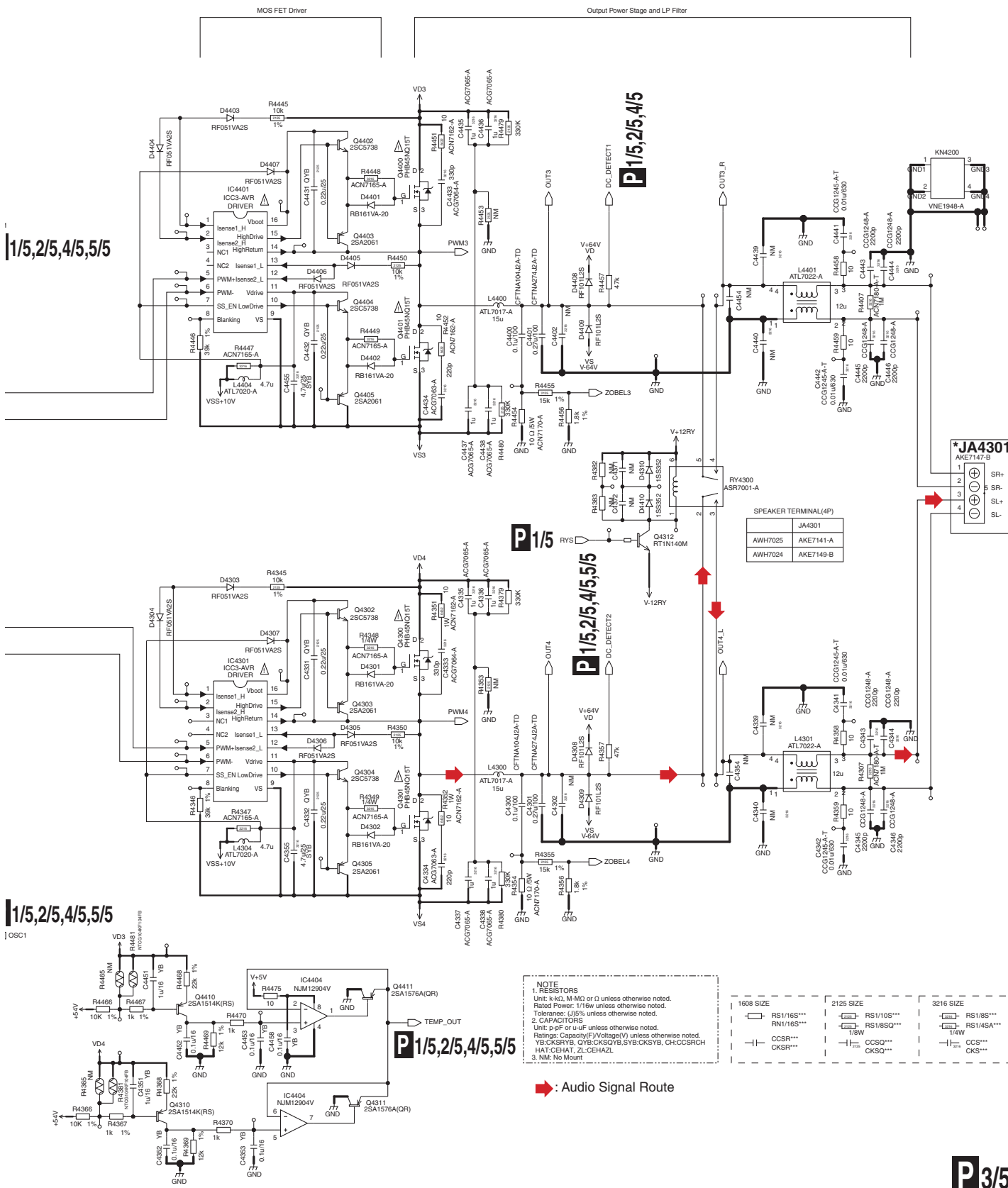
|         | C4349     | C4350     | C4449     | C4450     |
|---------|-----------|-----------|-----------|-----------|
| AHW7025 | ACH7304-A | ACH7304-A | ACH7304-A | ACH7304-A |
| AHW7024 | ACH7318-A | ACH7318-A | ACH7318-A | ACH7318-A |

The  $\Delta$  mark found on some component parts should be replaced with same parts(safety regulation authorized) of identical designation.

**P3/5**

# P<sup>3/5</sup> ICEPOWER AMP ASSY (3/5) (SC-37: AWH7024) (SC-35, SC-1525-K: AWH7025)

A  
B  
C  
D  
E  
F



1/5,2/5,4/5,5/5

1/5,2/5,4/5,5/5

P1/5

P1/5,2/5,4/5,5/5

P1/5,2/5,4/5,5/5

**NOTE**  
 1. RESISTORS  
 Unit: k-Ω, M-Ω or Ω unless otherwise noted.  
 Rated Power: 1/16w unless otherwise noted.  
 Tolerance: 0.5% unless otherwise noted.  
 2. CAPACITORS  
 Unit: p-pF or u-uF unless otherwise noted.  
 Ratings: Capacitance (V/Volts) unless otherwise noted.  
 YB: CkSRyB, DyB, CkSOyB, SyB, CkSyB, Ch, Cc, CcRCh  
 HAT, CcSHAT, ZL, CcHAZL  
 Ω, NM: No Mount!

| 1608 SIZE  | 2125 SIZE  | 3216 SIZE  |
|------------|------------|------------|
| RS1/16S*** | RS1/10S*** | RS1/8S***  |
| RN1/16S*** | RS1/8SQ*** | RS1/4SA*** |
| CCSR***    | CCSO***    | CCS***     |
| CKSR***    | CKSO***    | CKS***     |

➔ : Audio Signal Route

# 10.30 ICEPOWER AMP ASSY (4/5)

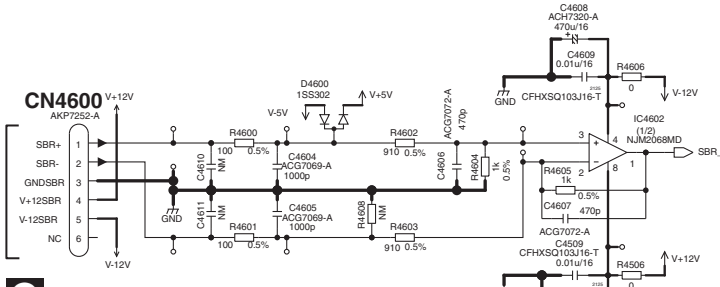
1

2

3

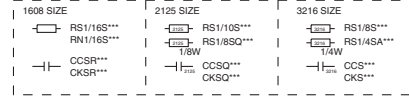
4

A

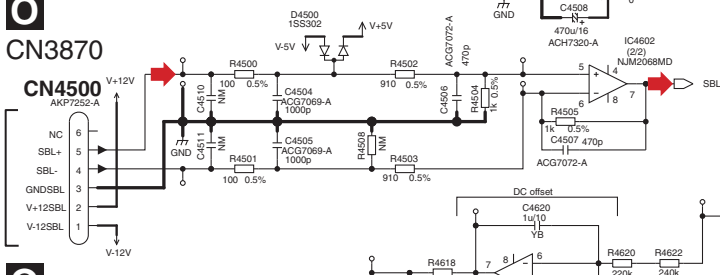


**NOTE**  
 1. RESISTORS  
 Unit: k=K, M=MΩ or Ω unless otherwise noted.  
 Rated Power: 1/16W unless otherwise noted.  
 Tolerance: J=5% unless otherwise noted.  
 2. CAPACITORS  
 Unit: p=pF or u=uF unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
 YB=CKSRV3, CHV3=CKSQV3, SVB=CKSQV3, CH=CCSRCH  
 HAT=CEHAT, ZL=CEHAZL  
 3. NM: No Mount

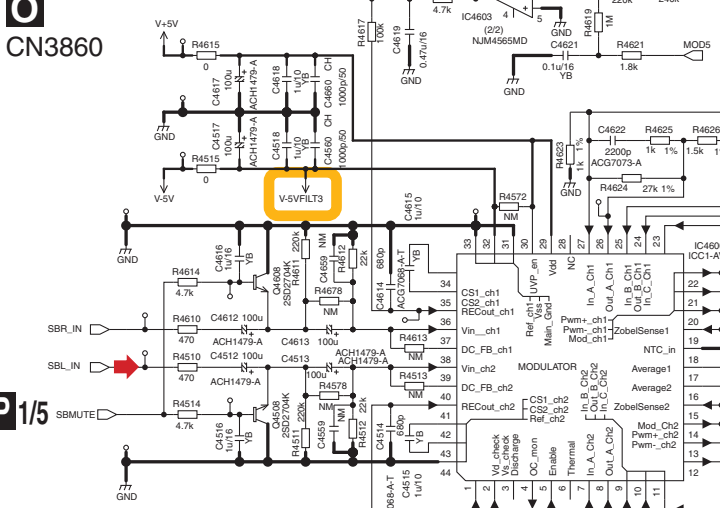
➔ : Audio Signal Route



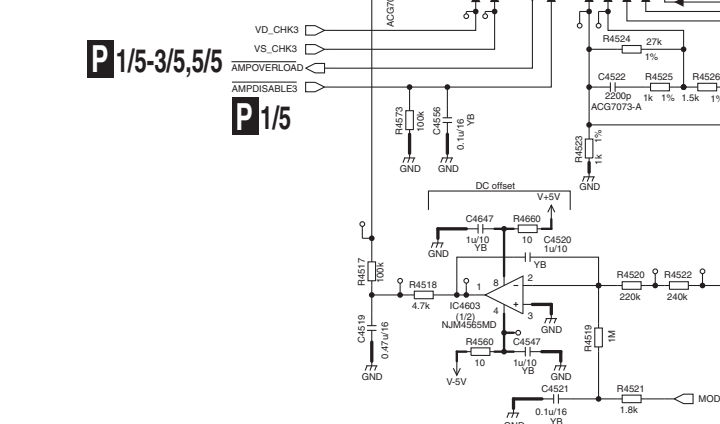
B



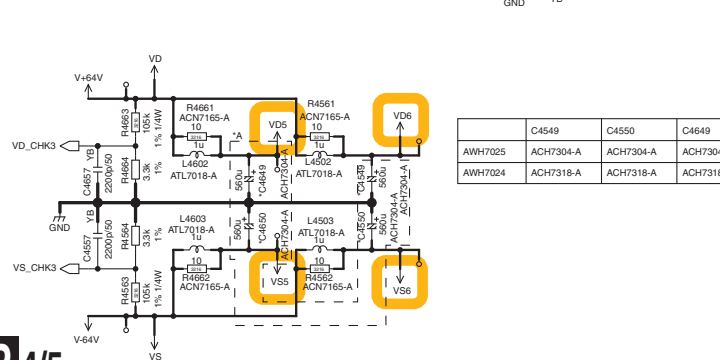
C



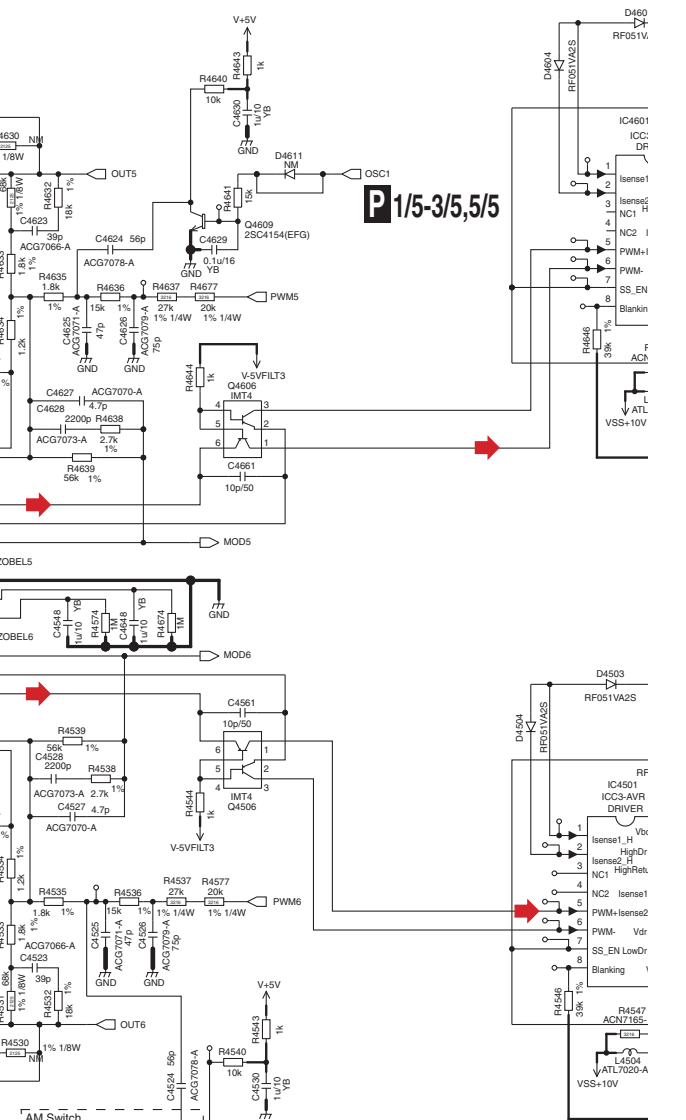
D



E



F



**AM Switch Transistor**  
 Q4509  
 2SC1454(EPG)

|         | C4549     | C4550     | C4649     | C4650     |
|---------|-----------|-----------|-----------|-----------|
| AWH7025 | ACH7304-A | ACH7304-A | ACH7304-A | ACH7304-A |
| AWH7024 | ACH7318-A | ACH7318-A | ACH7318-A | ACH7318-A |

The  $\Delta$  mark found on some component parts should be replaced with same parts(safety regulation authorized) of identical designation.

**P4/5**

178

SC-37

1

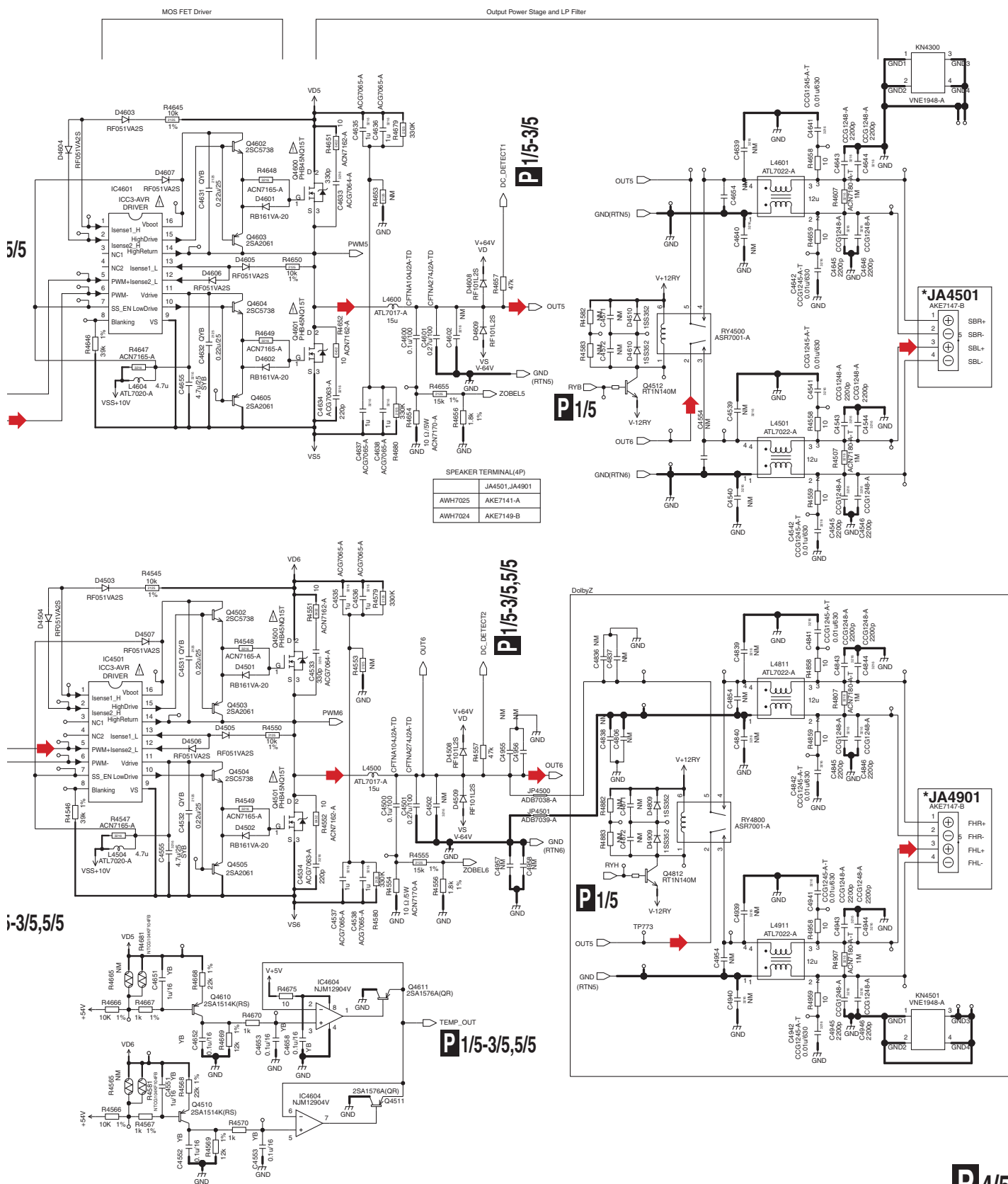
2

3

4

# P4/5 ICEPOWER AMP ASSY (4/5) (SC-37: AWH7024) (SC-35,SC-1525-K: AWH7025)

Route



# 10.31 ICEPOWER AMP ASSY (5/5)

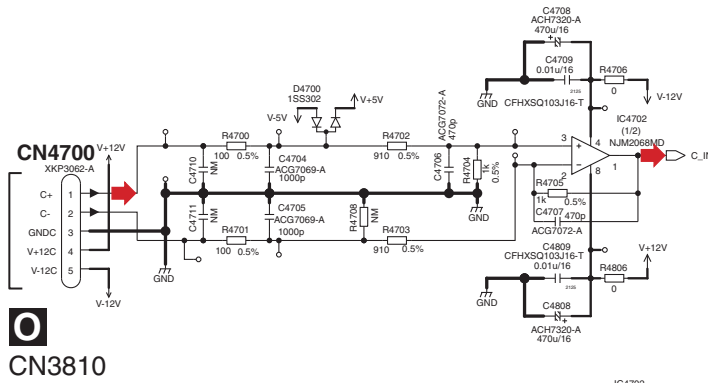
1

2

3

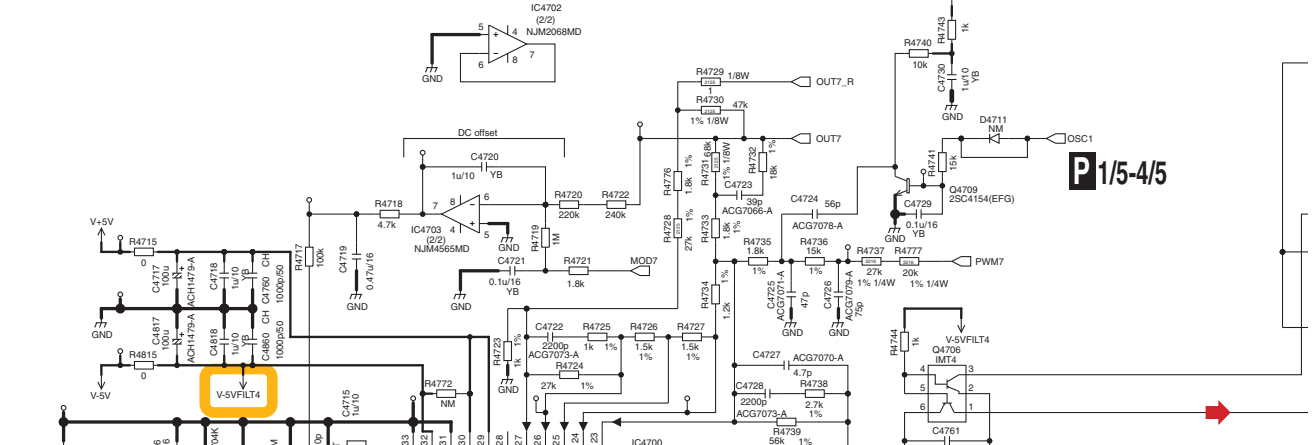
4

A

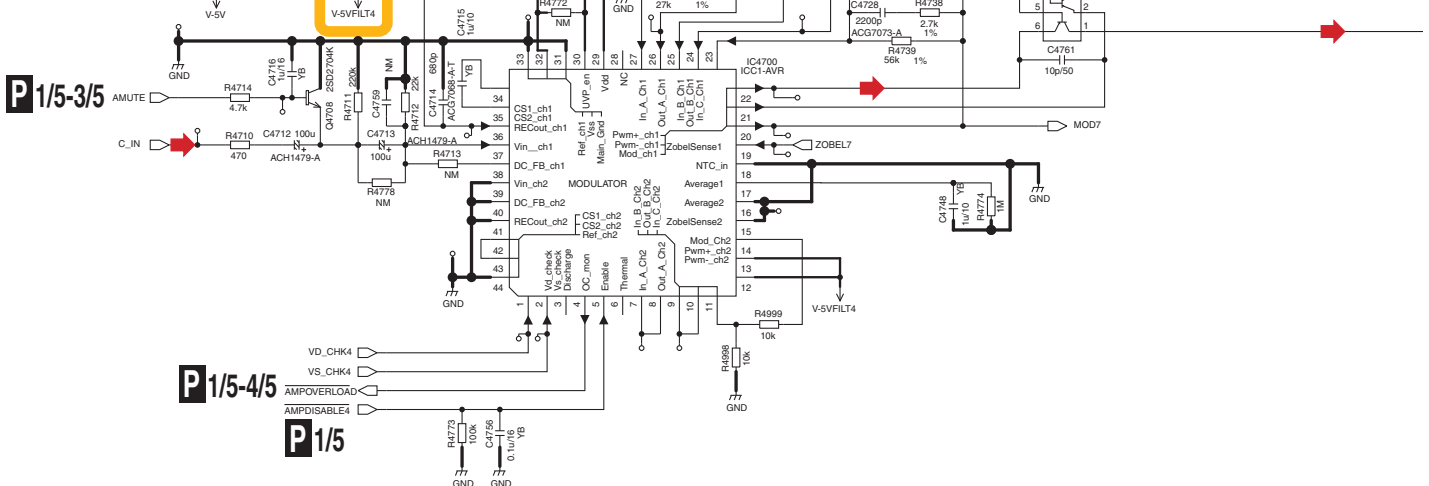


CN3810

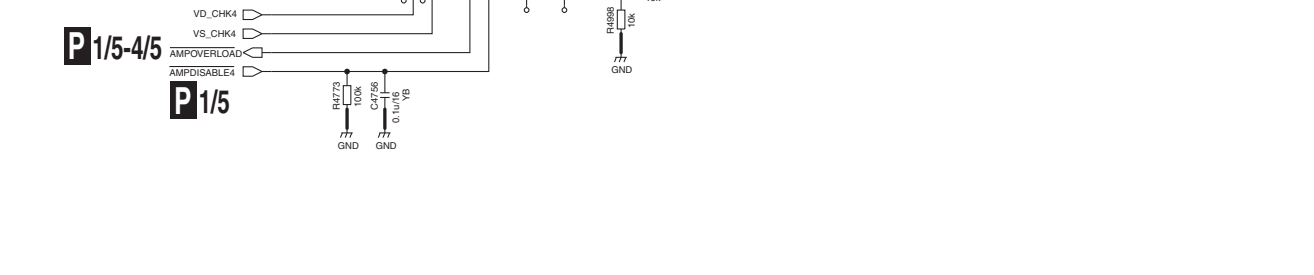
B



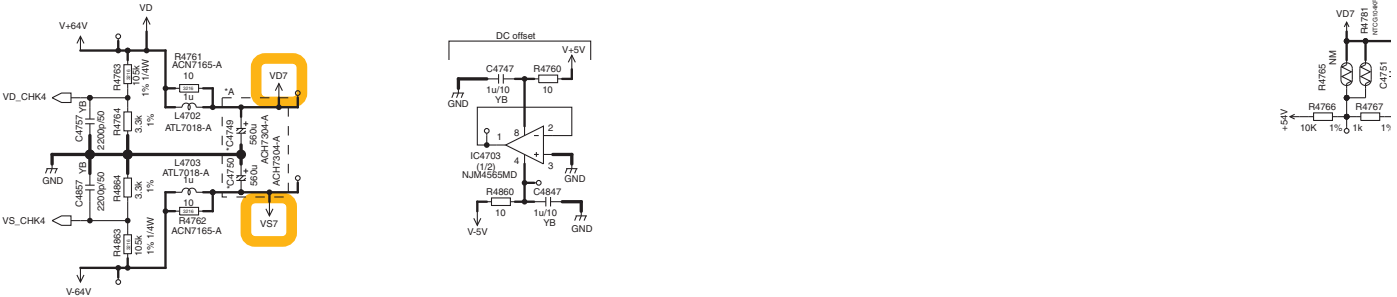
C



D



E



|         |           |
|---------|-----------|
| C4749   | C4750     |
| AWH7025 | ACH7304-A |
| AWH7024 | ACH7318-A |

F

The mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

P5/5

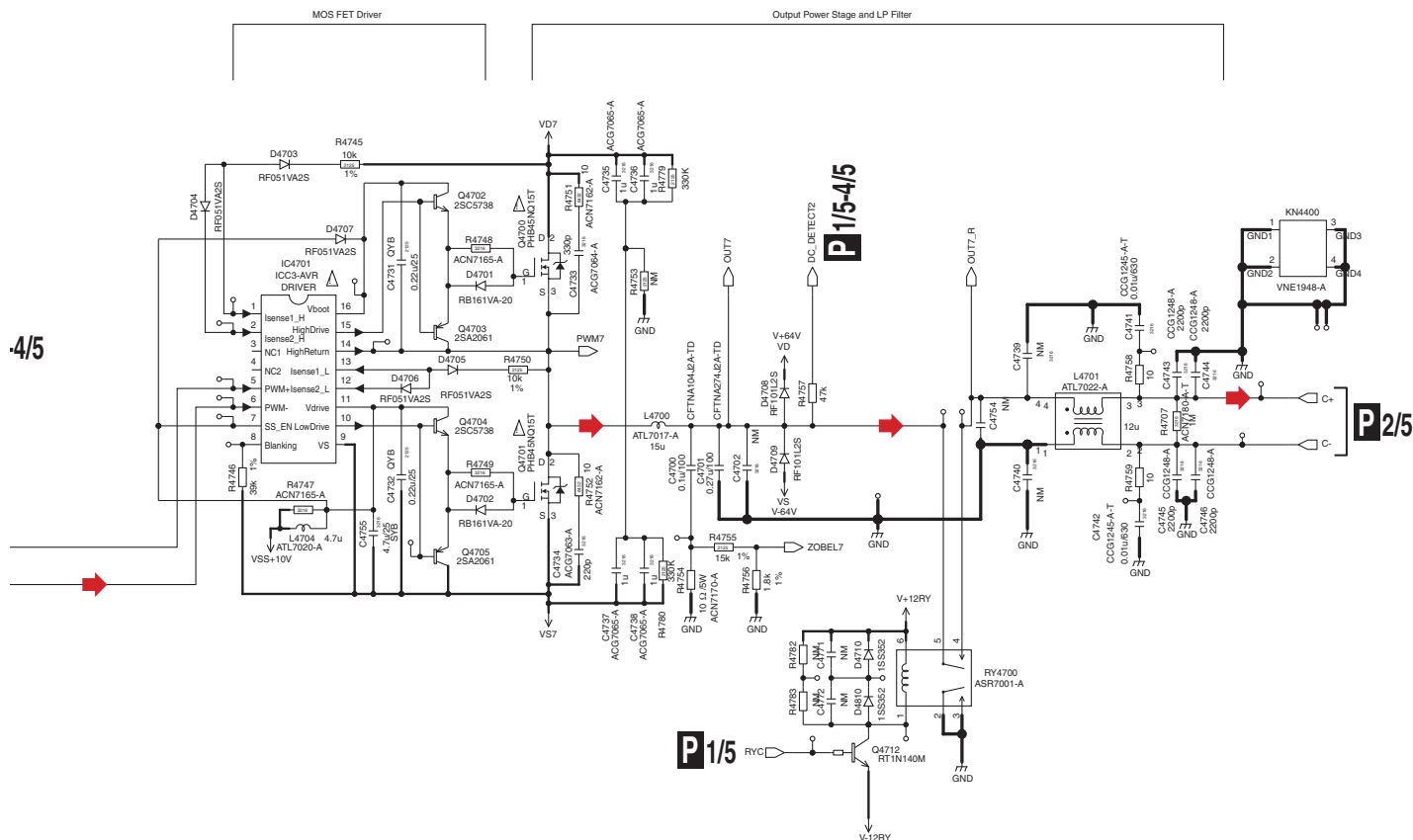
1

2

3

4

# P5/5 ICEPOWER AMP ASSY (5/5) (SC-37: AWH7024) (SC-35, SC-1525-K: AWH7025)

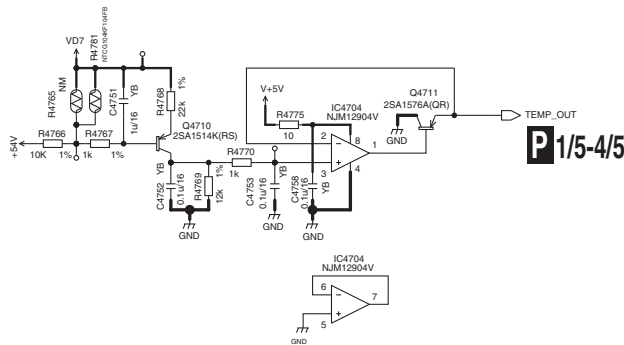


4/5

P1/5-4/5

P2/5

P1/5



P1/5-4/5

**NOTE**  
 1. RESISTORS  
 Unit: k- $\Omega$ , M- $\Omega$  or  $\Omega$  unless otherwise noted.  
 Rated Power: 1/10w unless otherwise noted.  
 Tolerance: (J)5% unless otherwise noted.  
 2. CAPACITORS  
 Unit: p-pF or  $\mu$ -uF unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted,  
 Y5-CK8RYB, QYB-CK5QY6, SVB-CK5Y6, CH-CCSRCH  
 HAT-CEHAT, ZL-CEHAZL  
 3. NM: No Mount

| 1608 SIZE  | 2125 SIZE  | 3216 SIZE  |
|------------|------------|------------|
| RS1/16S*** | RS1/10S*** | RS1/8S***  |
| RN1/16S*** | RS1/8SQ*** | RS1/4SA*** |
| CCSR***    | 1/8W       | 1/4W       |
| CKSR***    | CCSQ***    | CCS***     |
|            | CKSQ***    | CKS***     |

➔ Audio Signal Route

# 10.32 PRIMARY ASSY

## PRIMARY ASSY (AWX9604)

|         |           |     |
|---------|-----------|-----|
|         | L1        | VA1 |
| AWX9604 | ATF7048-A | NM  |

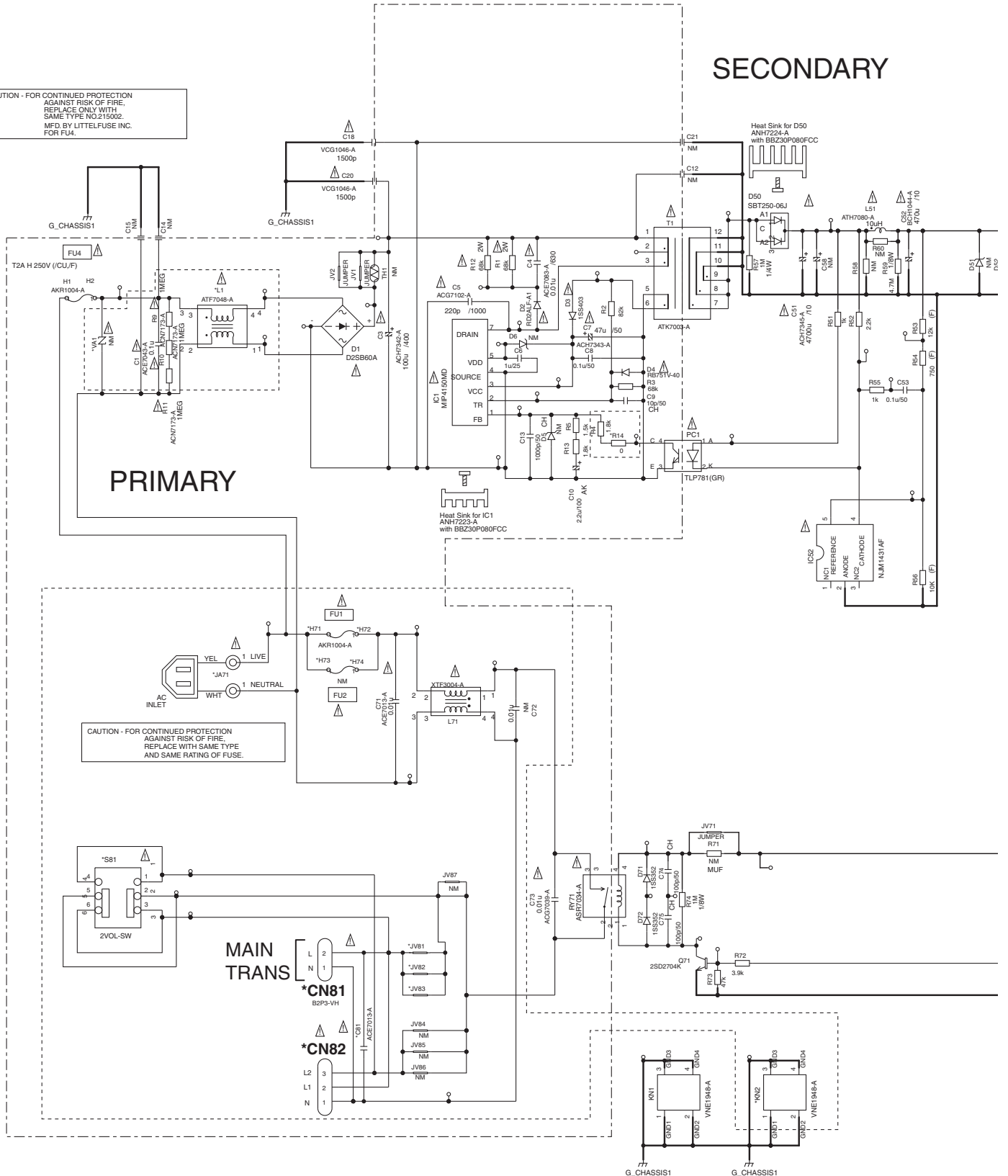
## SECONDARY

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO.215002. MFD. BY LITTELFUSE INC. FOR FU4.

## PRIMARY

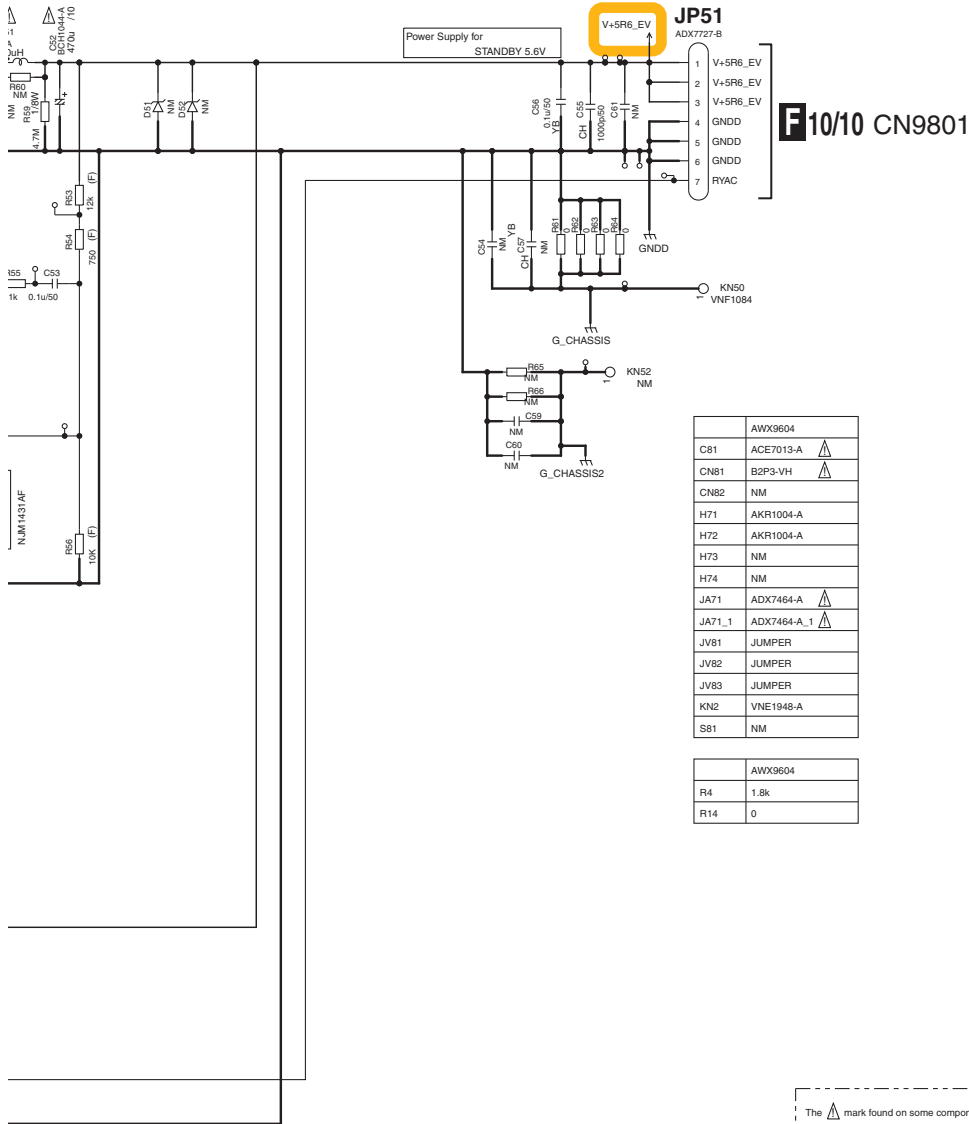
CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE AND SAME RATING OF FUSE.

## MAIN TRANS



# PRIMARY ASSY

Y



| AWX9604 |             |
|---------|-------------|
| C81     | ACE7013-A   |
| CN81    | B2P3-VH     |
| CN82    | NM          |
| H71     | AKR1004-A   |
| H72     | AKR1004-A   |
| H73     | NM          |
| H74     | NM          |
| JA71    | ADX7464-A   |
| JA71_1  | ADX7464-A_1 |
| JV61    | JUMPER      |
| JV82    | JUMPER      |
| JV83    | JUMPER      |
| KN2     | VNE1948-A   |
| SB1     | NM          |

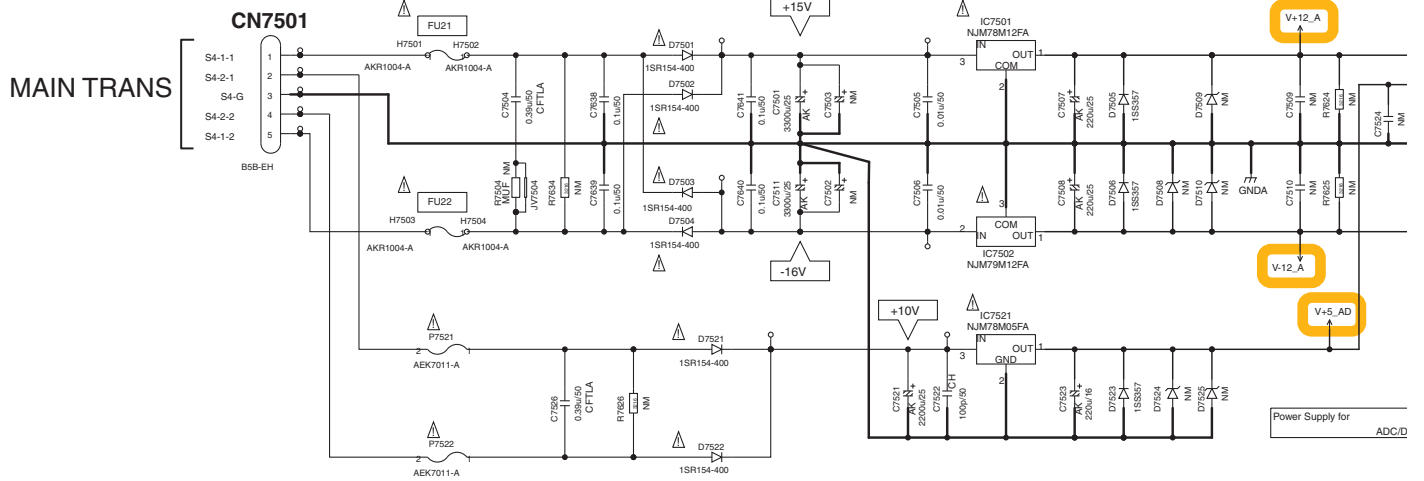
| AWX9604 |      |
|---------|------|
| R4      | 1.8k |
| R14     | 0    |

The mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

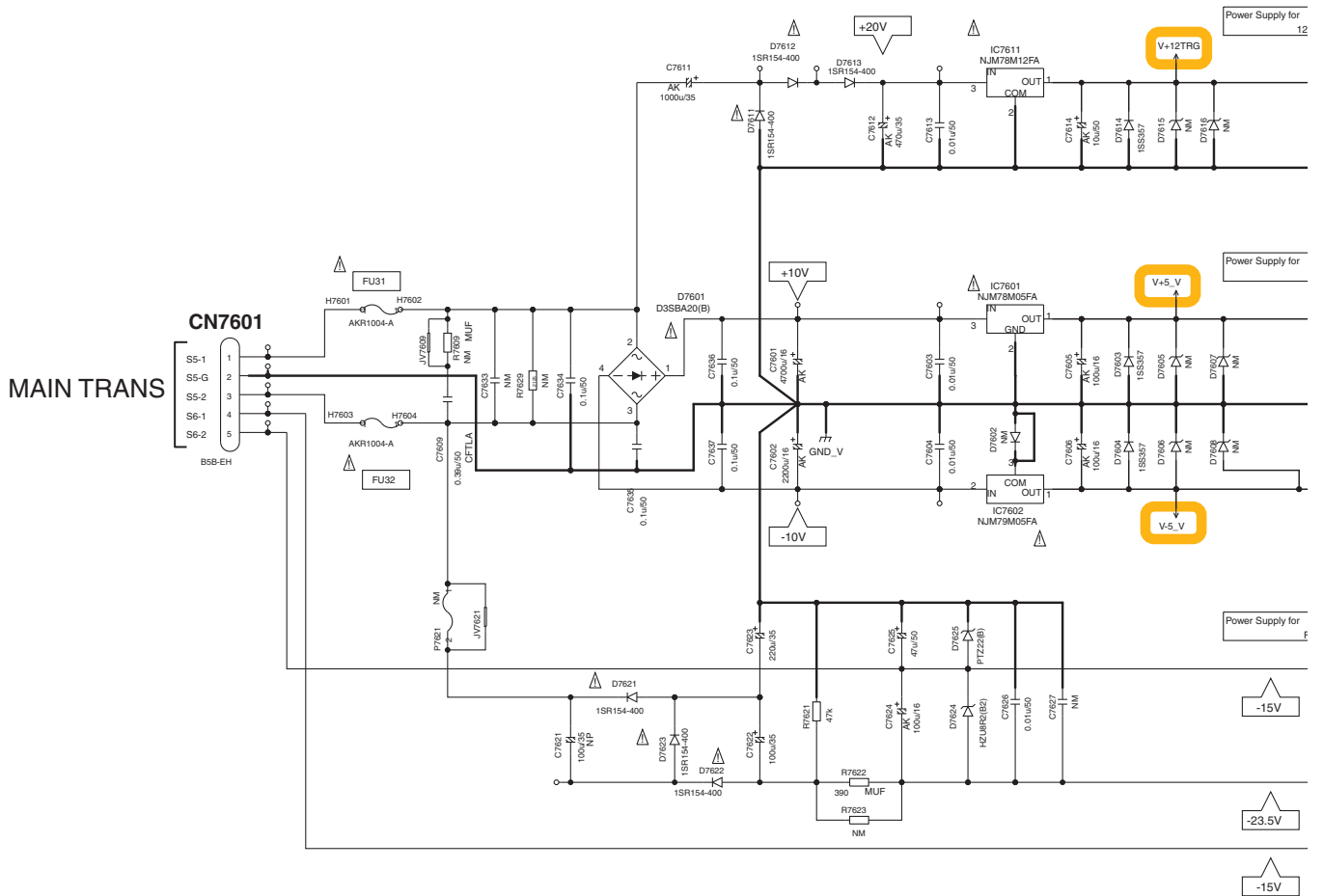
**NOTE**  
 1. RESISTORS  
 Unit: k- $\Omega$ , M- $\Omega$  or  $\Omega$  unless otherwise noted.  
 Rated Power: 1/10w unless otherwise noted.  
 Tolerance: (J)5% unless otherwise noted.  
 MUF: RD14MUF  
 2. CAPACITORS  
 Unit: p-pF or u-uF unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
 CH: CCSRCH, CFTLA: CFTLA  
 NO MARKED: CKSRYB or CEAT  
 3. NM: No Mount

# 10.33 REG ASSY

## REG ASSY (AWX9612)



CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE NO. 49101.5 MFD. BY LITTELFUSE INC. FOR P7521 AND P7522.

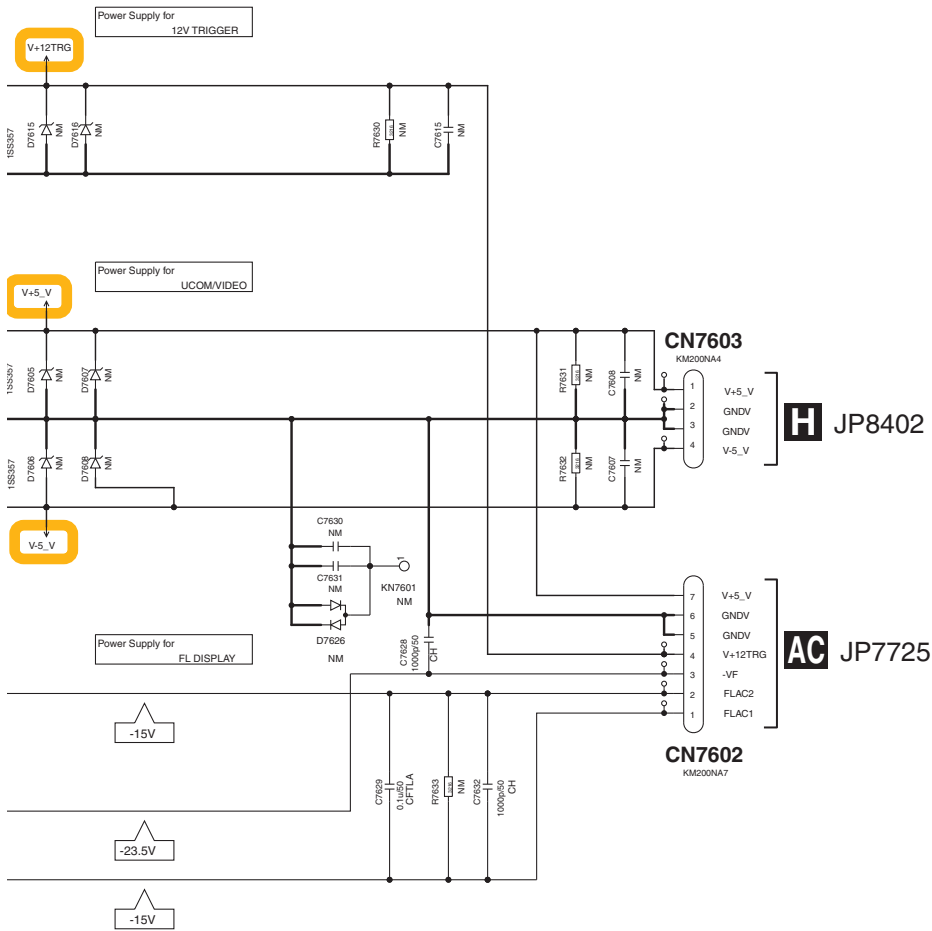
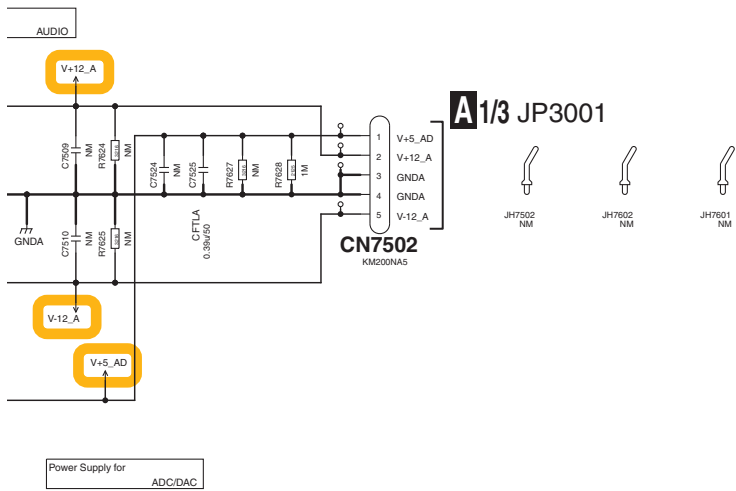


**NOTE**  
 1. RESISTORS  
 Unit: k-k Ω, M-M Ω or Ω unless otherwise noted.  
 Rated Power: 1/16w unless otherwise noted.  
 Tolerance: (J)5% unless otherwise noted.  
 MUF - RD14MUF  
 2. CAPACITORS  
 Unit: p-pF or u-uF unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
 CH - CCSRCH, CFTLA: CFTLA  
 NP - CEANP, AK: CEAK  
 NO MARKED: CKSRYB or CEAT  
 3. NM: No Mount

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

The  $\Delta$  mark found on some component with same parts/safety regulation aut designation.





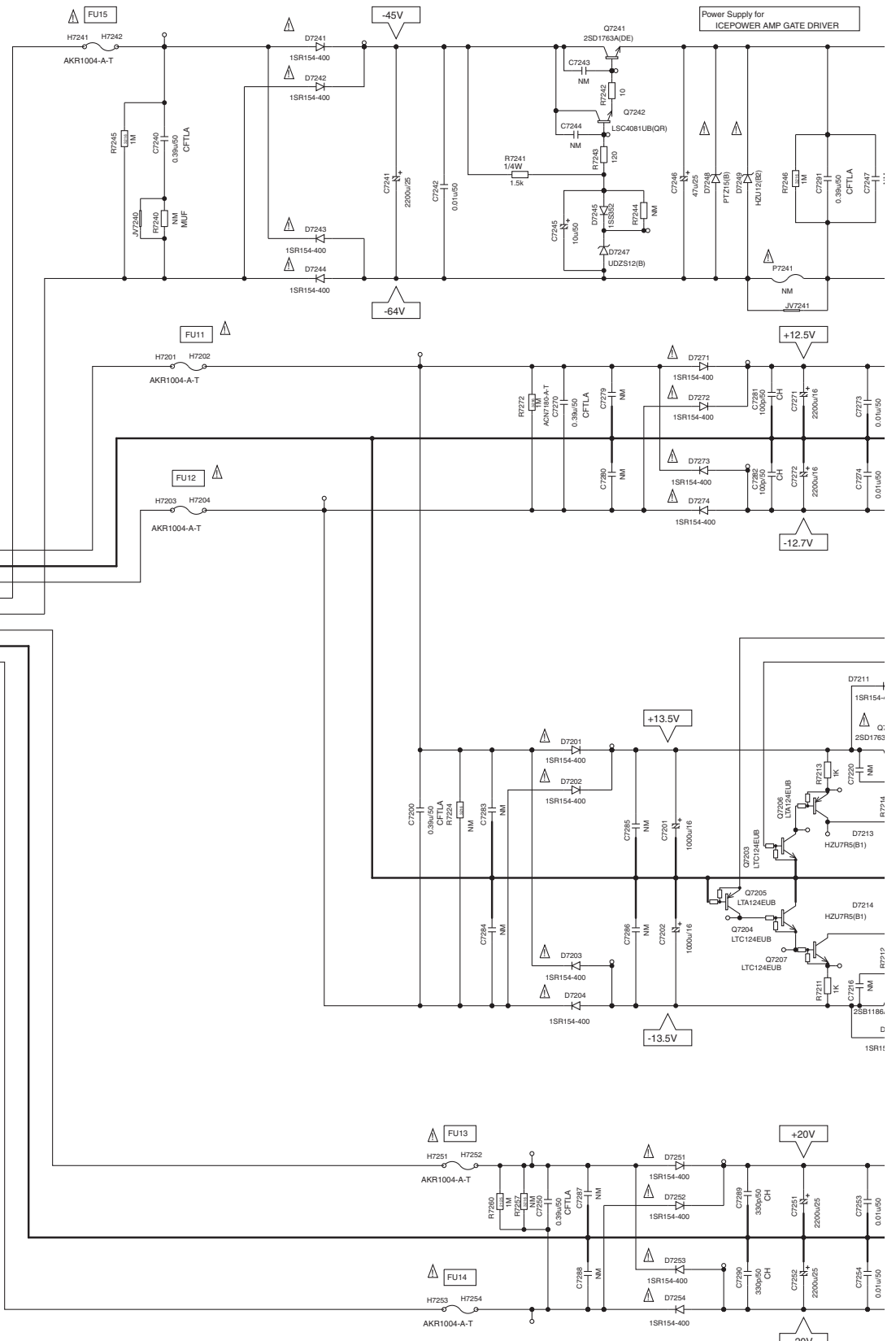
The  $\Delta$  mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

# 10.34 ICE REG ASSY

## T ICE REG ASSY (AWX9606)

**NOTE**

- RESISTORS  
Unit: k-k Ω, M-M Ω or Ω unless otherwise noted.  
Rated Power: 1/10W unless otherwise noted.  
Tolerance: 0.5% unless otherwise noted.  
MUF: RD14MUF  
2125: RS18SQ  
3216: RS14SA
- CAPACITORS  
Unit: p-pF or μ-μF unless otherwise noted.  
Ratings: Capacity(F) Voltage(V) unless otherwise noted.  
CH: CCSRCH, CFTLA: CFTLA  
NO MARKED: CKSRBY or CEAK  
S: No Mount



**CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE AND RATINGS OF FUSE.**

The  $\Delta$  mark found on some component parts should be with same parts (safety regulation authorized) of ident designation.

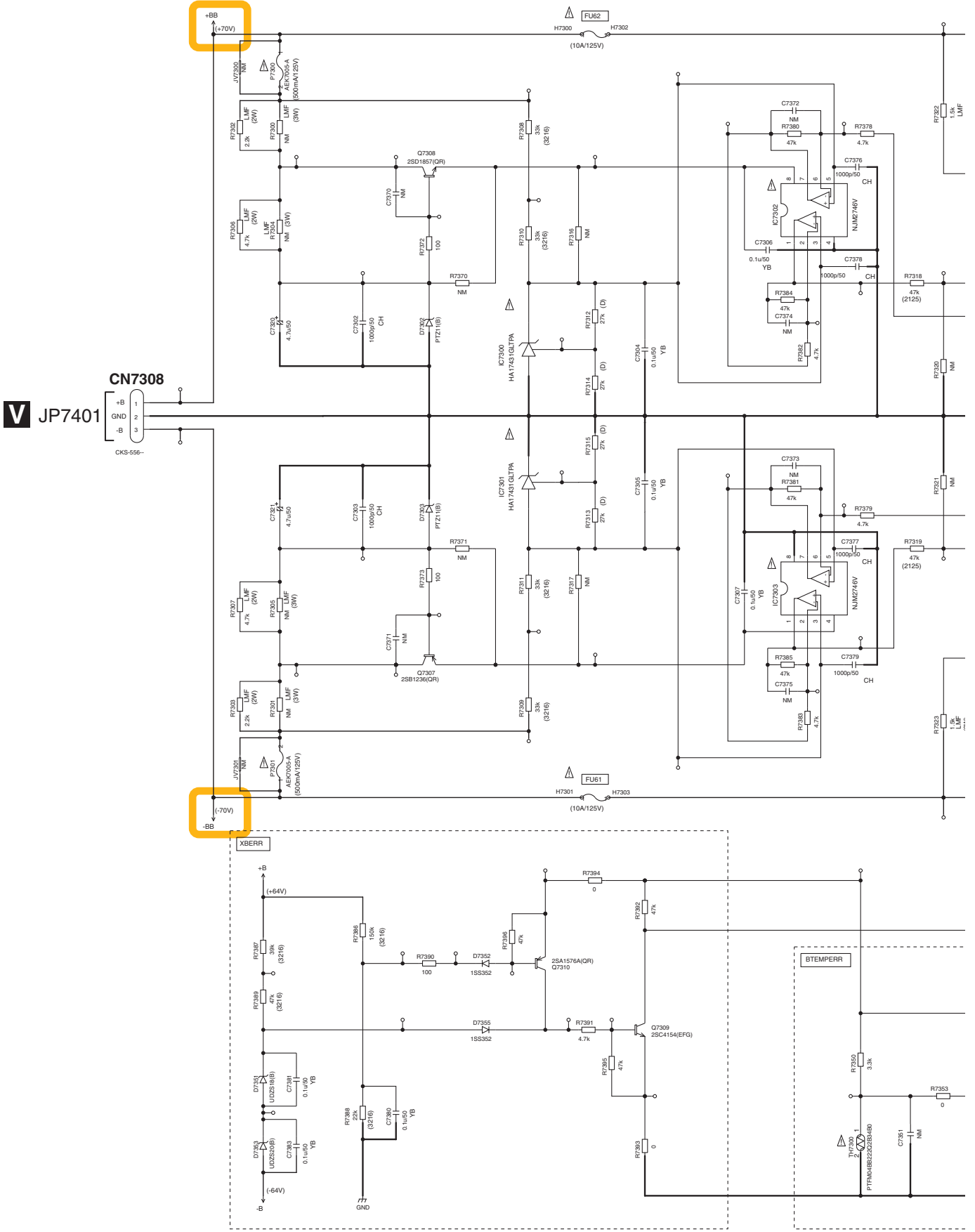
SC-37



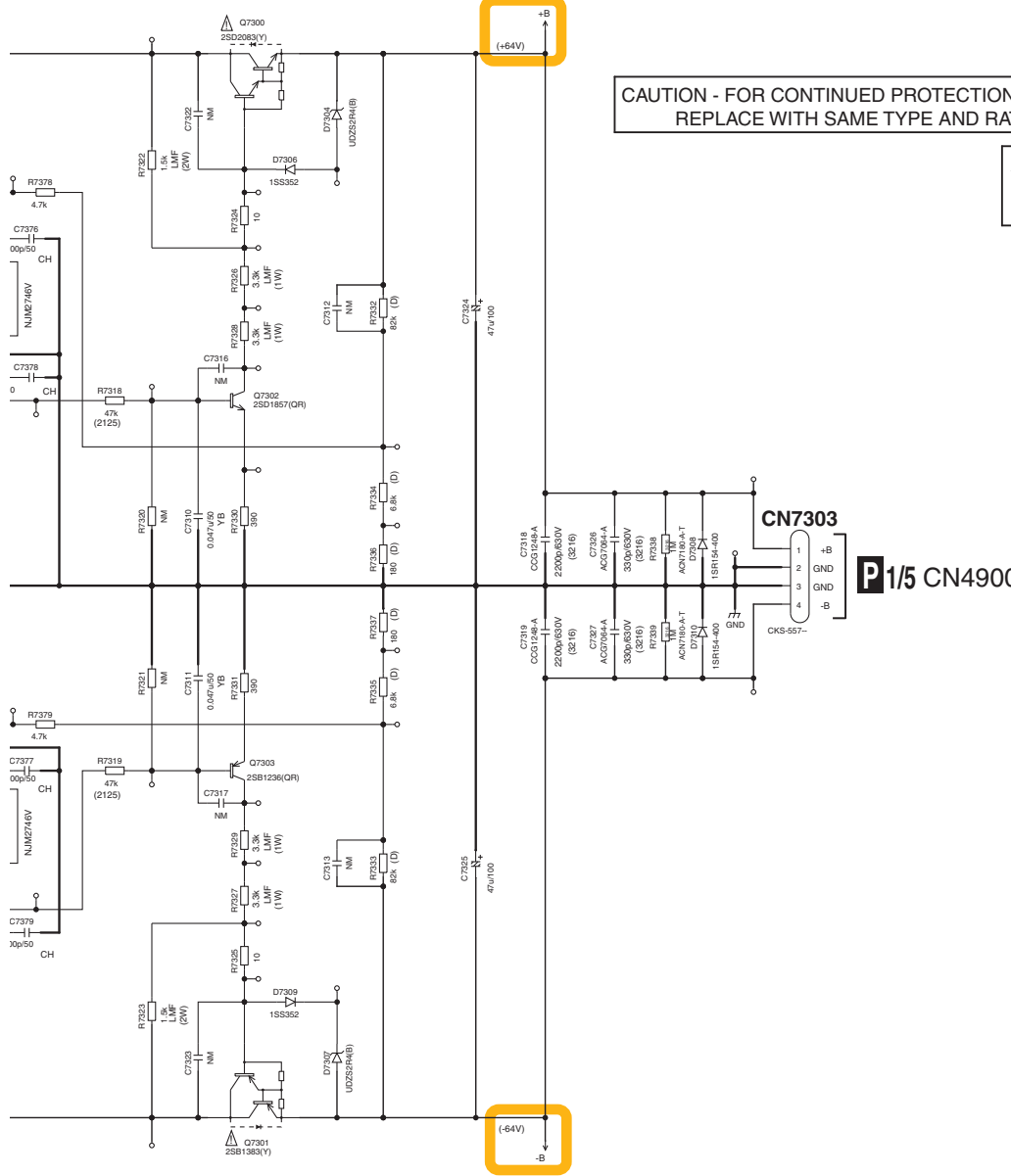
# 10.35 B REG ASSY

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE  
 REPLACE WITH SAME TYPE NO. 491.500 MFD. BY LITTELFUSE INC. FOR P7300 AND P7301.

## POWER SUPPLY FOR



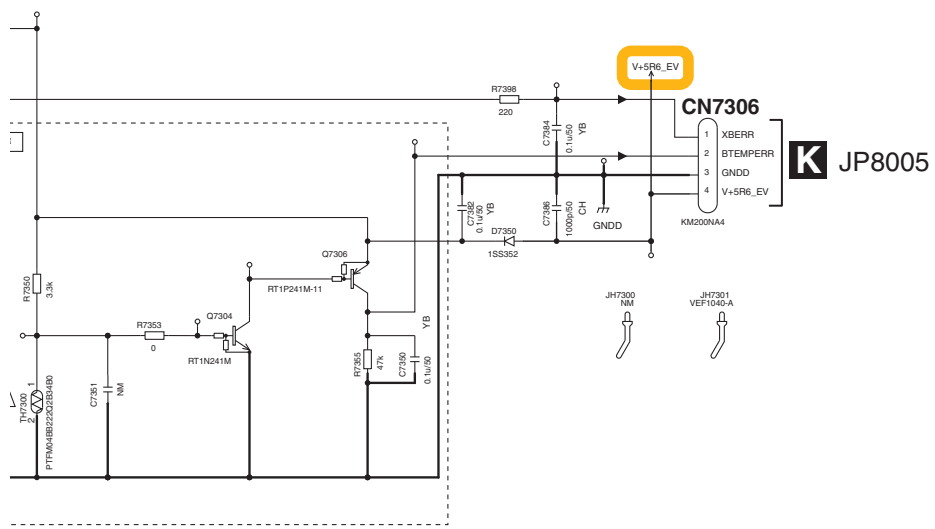
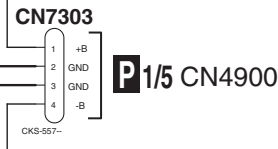
# PLY FOR POWER AMP



**CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE AND RATINGS OF FUSE.**

The  $\Delta$  mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

- NOTE**
- 1. RESISTORS
    - Unit: k-k  $\Omega$ , M-M  $\Omega$  or  $\Omega$  unless otherwise noted.
    - Rated Power: 1/10w unless otherwise noted.
    - Tolerance:  $\pm 5\%$  unless otherwise noted.
    - LMF - RS1LMFRS2LMFRS3LMFRS1016 - RS14SA, 2125 - RS1BSQ unless otherwise noted.
  - 2. CAPACITORS
    - Unit: p-pF or  $\mu$ - $\mu$ F unless otherwise noted.
    - Rated Voltage: Capacitance(Voltage(V) unless otherwise noted.
    - NO MARKED - CKSRYB or CEAK
    - 3. NM: No Mount



**PROTECTION DETECT**

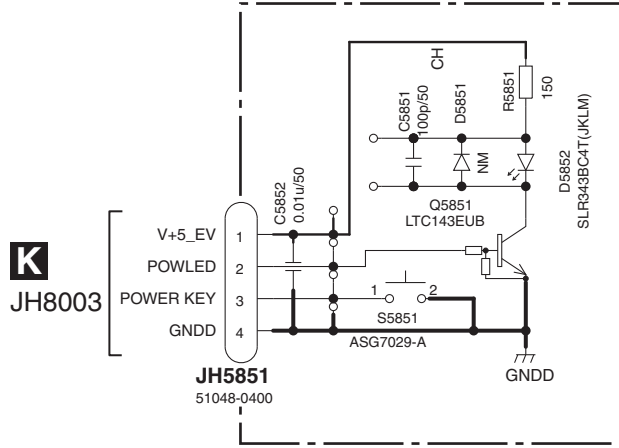
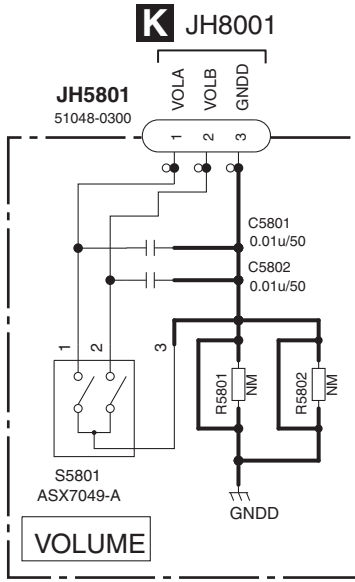
| PROTECT MODE | Normal | Detect |
|--------------|--------|--------|
| XBERR        | Normal | Detect |
| BTEMPERR     | Hi     | Low    |
| BTEMPERR     | Low    | Hi     |

# 10.36 VOL, POWER SW and PRIMARY SHIELD ASSYS

**L** VOL ASSY  
(AWX9601)

**M** POWER SW ASSY  
(AWX9602)

**V**



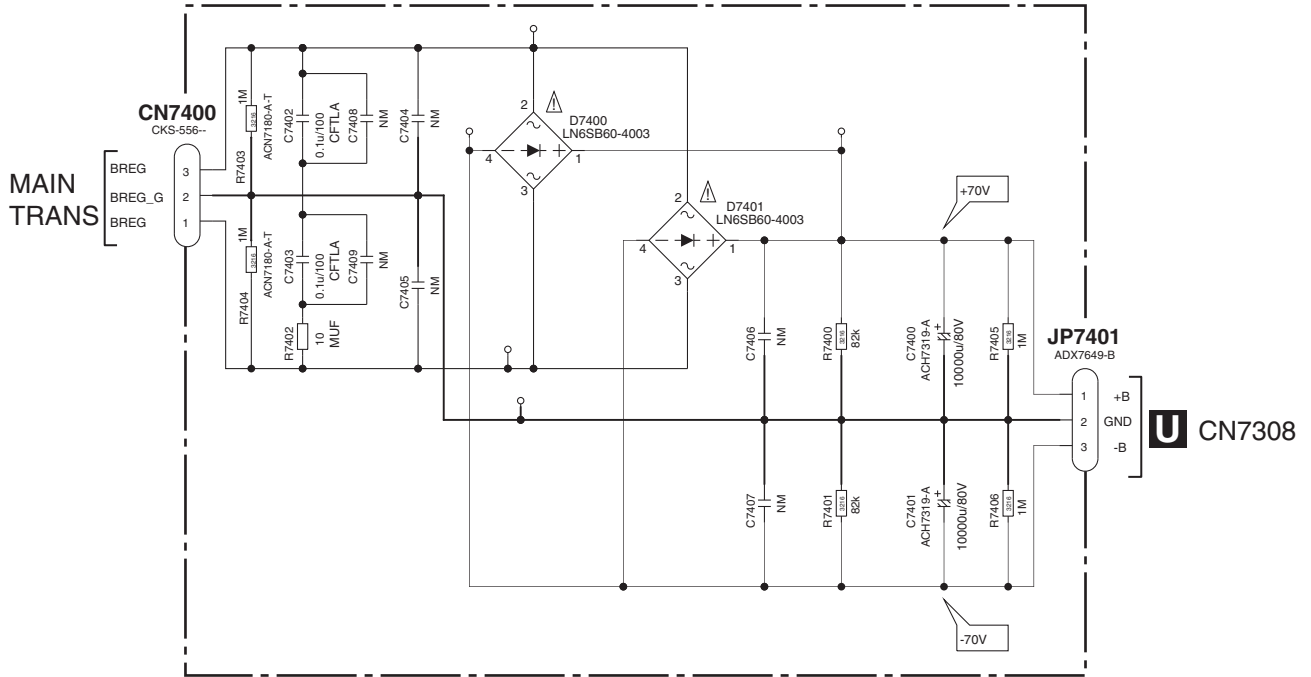
MA  
TR

**R** PRIMARY SHIELD ASSY  
(AWX9603)



**L M R V**

# V B-DIODE ASSY (AWX9608)



The  mark found on some component parts should be replaced with same parts(safety regulation authorized) of identical designation.

**NOTE**  
 1. RESISTORS  
 Unit: k- $\Omega$ , M-M  $\Omega$  or  $\Omega$  unless otherwise noted.  
 Rated Power: 1/10w unless otherwise noted.  
 Tolerance: (J)5% unless otherwise noted.  
 MUF : RD1/4MUF  
 3216 : RS1/4SA unless otherwise noted.  
 2. CAPACITORS  
 Unit: p-pF or u-uF unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
 CFTLA : CFTLA  
 3. NM: No Mount

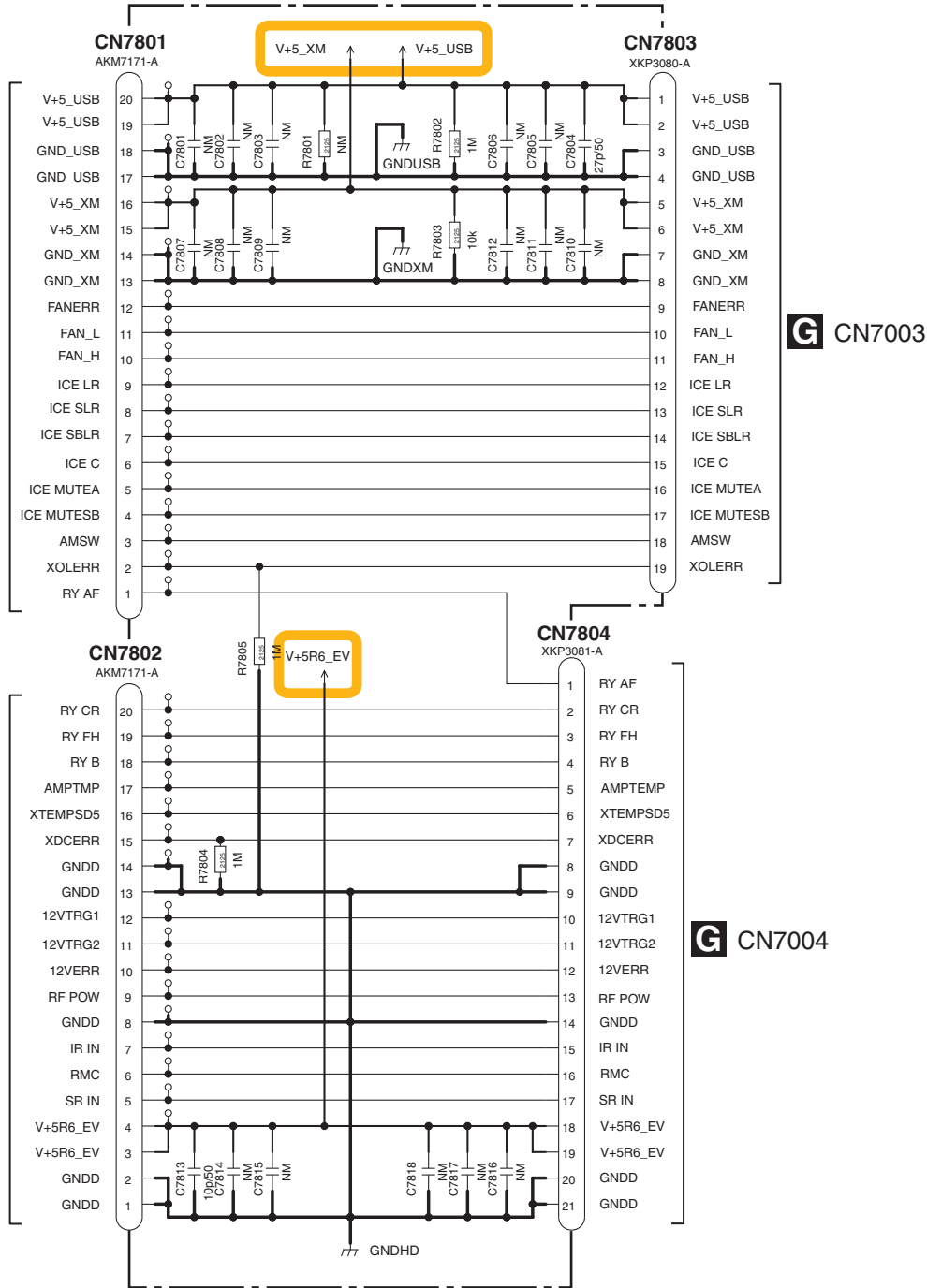
KIN5751

# 10.37 CONNECT ASSY

## CONNECT ASSY (AWX9619)

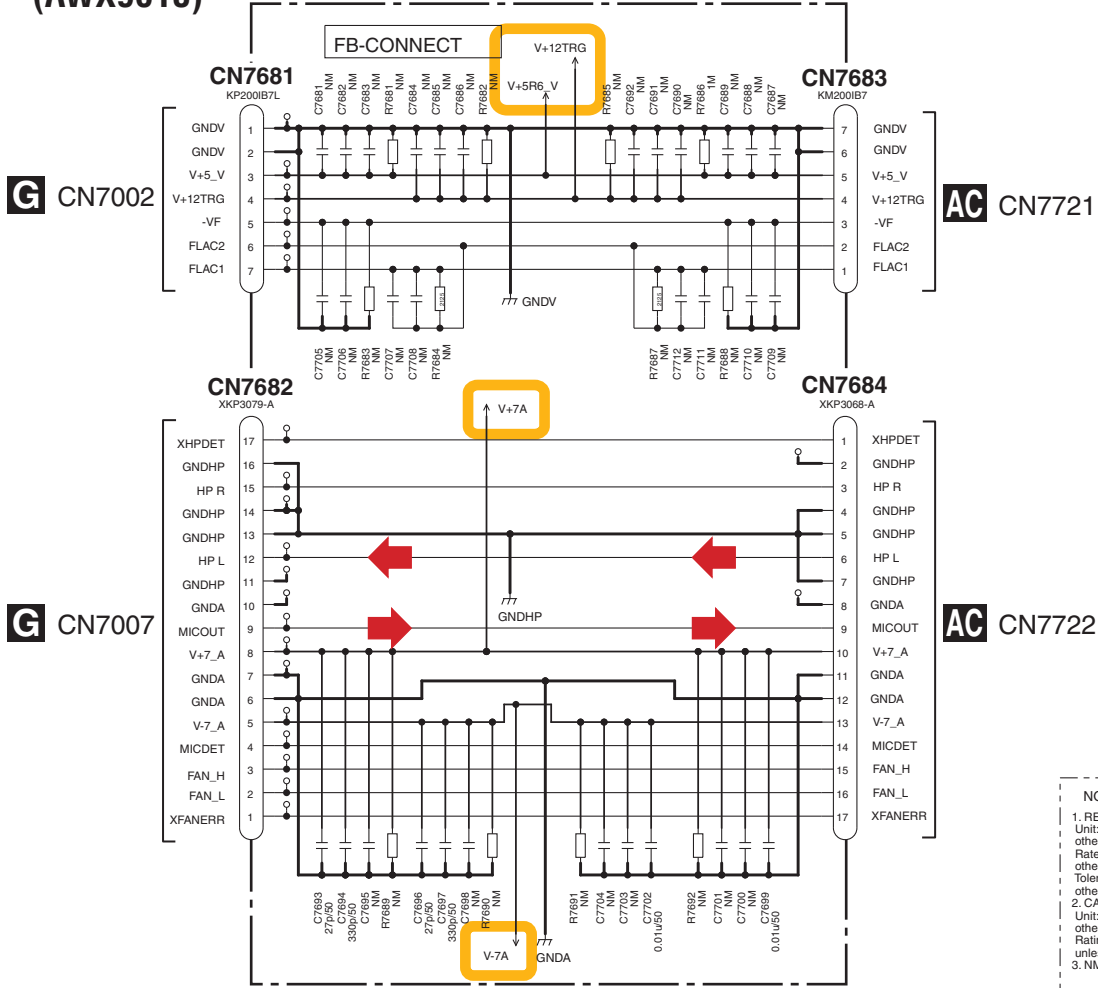
### NOTE

- RESISTORS  
Unit: k- $\Omega$ , M-M  $\Omega$  or  $\Omega$  unless otherwise noted.  
Rated Power: 1/16w unless otherwise noted.  
Tolerance: (J)5% unless otherwise noted.
- CAPACITORS  
Unit: p-pF or u-uF unless otherwise noted.  
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
- NM: No Mount

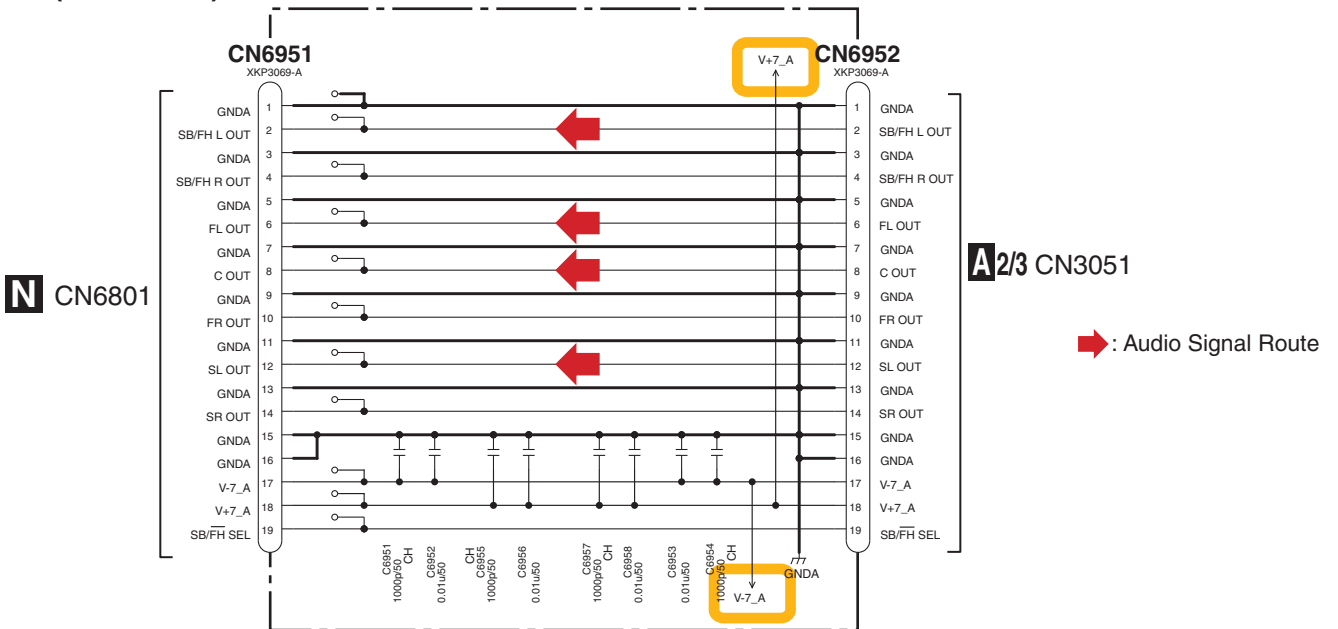


# 10.38 FB-CONNECT and PRE BRIDGE ASSYS

## X FB-CONNECT ASSY (AWX9618)



## Y PRE BRIDGE ASSY (AWX9611)



**X Y**

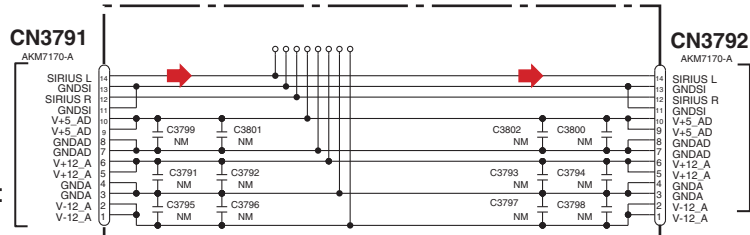
**X Y**

# 10.39 A-DAC BRIDGE and D-AUDIO BRIDGE ASSYS

## Z A-DAC BRIDGE ASSY (AWX9517)

**B** 2/2 CN2104 (SC-37: AWX9622)

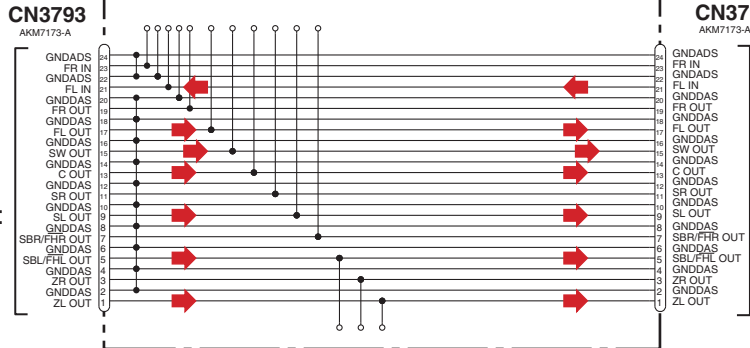
**C** 2/2 CN2104 (SC-35, SC-1525-K: AWX9658)



**A** 1/3 CN3001

**B** 2/2 CN2103 (SC-37: AWX9622)

**C** 2/2 CN2103 (SC-35, SC-1525-K: AWX9658)

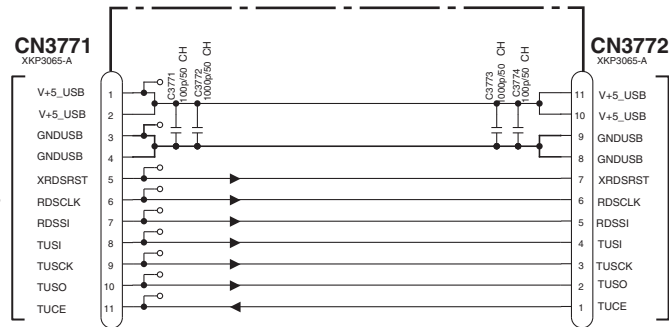


**A** 1/3 CN2502

## AA D-AUDIO BRIDGE ASSY (AWX9569)

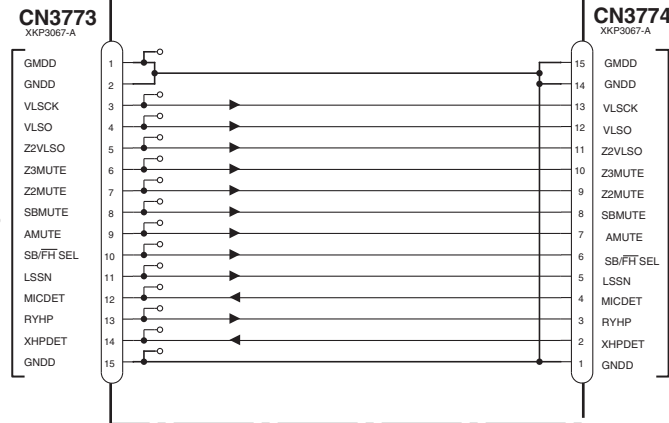
**F** 8/10 CN9304

**A** 1/3 CN3901



**F** 8/10 CN9303

**A** 1/3 CN2861

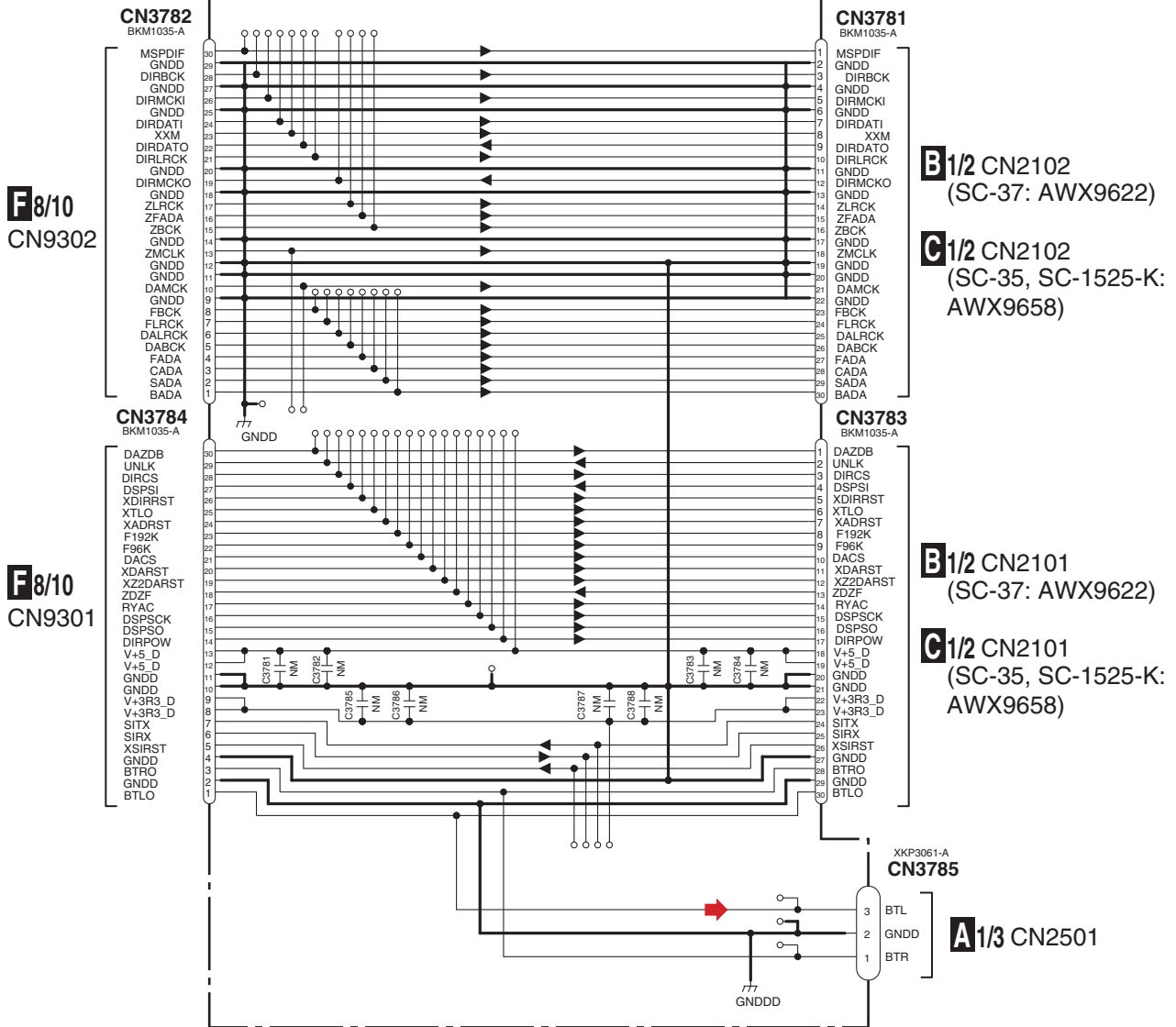


**→** : Audio Signal Route

**NOTE**  
 1. RESISTORS  
 Unit: k- $\Omega$ , M-M  $\Omega$  or  $\Omega$  unless otherwise noted.  
 Rated Power: 1/10w unless otherwise noted.  
 Tolerance: (J)5% unless otherwise noted.  
 2. CAPACITORS  
 Unit: p-pF or u-uF unless otherwise noted.  
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
 CH: CCSRCH  
 NO MARKED: CKSRBYB  
 3. NM: No Mount

# 10.40 D-DAC BRIDGE ASSY

## AB D-DAC BRIDGE ASSY (AWX9570)



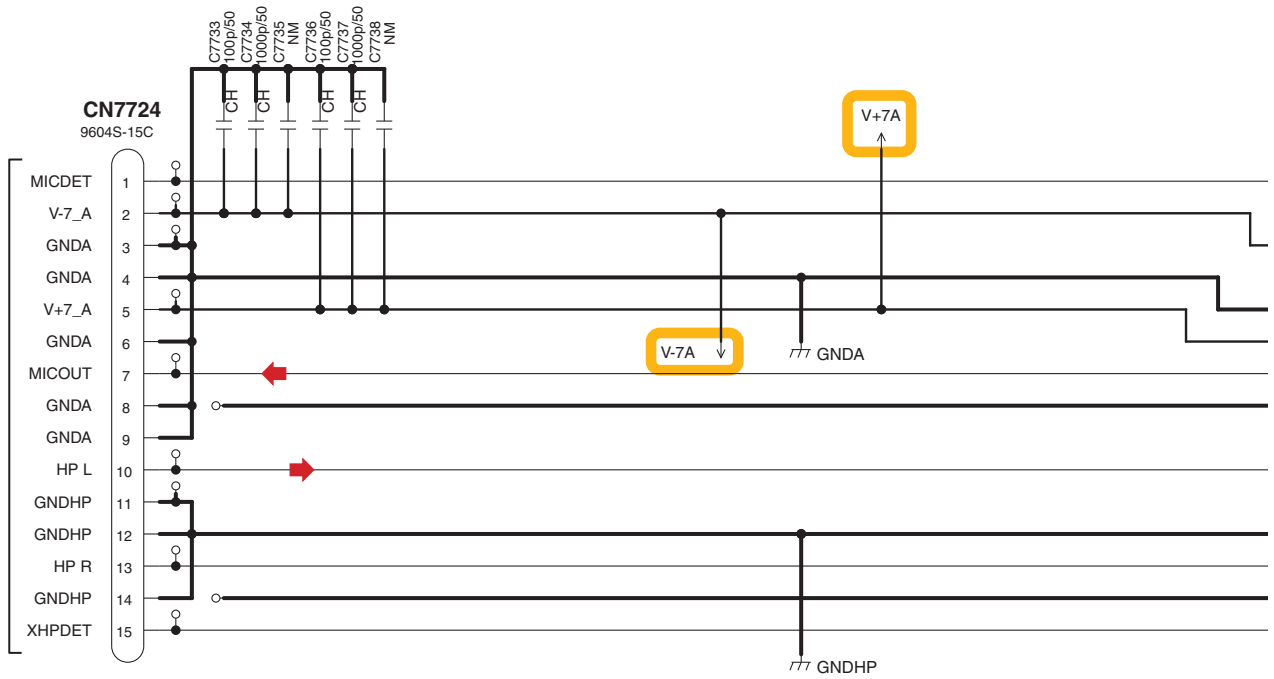
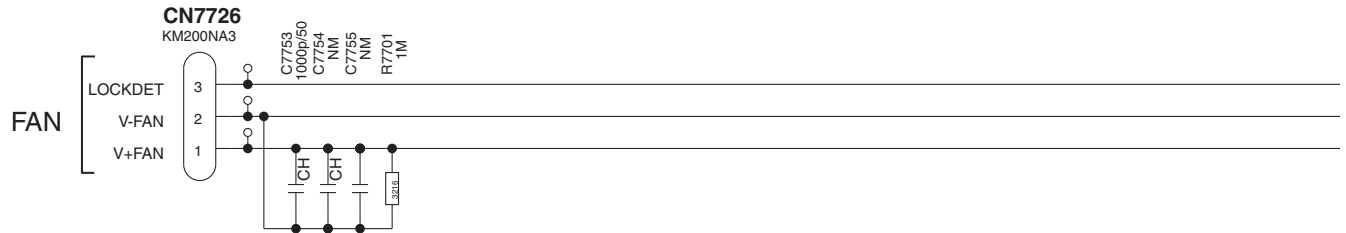
**NOTE**

- RESISTORS**  
Unit: k- $\Omega$ , M-M  $\Omega$  or  $\Omega$  unless otherwise noted.  
Rated Power: 1/10w unless otherwise noted.  
Tolerance: (J)5% unless otherwise noted.
- CAPACITORS**  
Unit: p-pF or u-uF unless otherwise noted.  
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.  
CH : CCSRCH  
NO MARKED : CKSRYB  
3. NM: No Mount

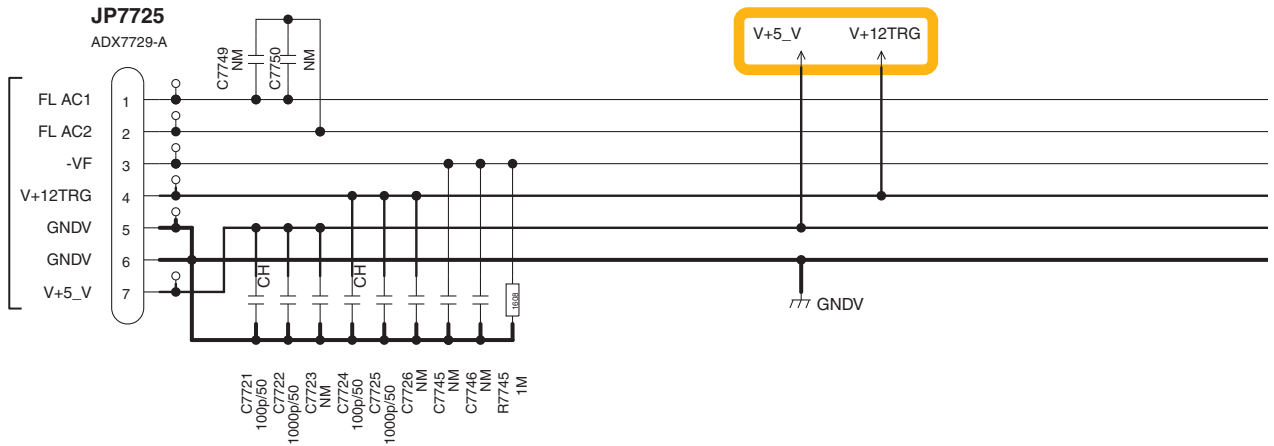
➡: Audio Signal Route

# 10.41 FRONT BRIDGE ASSY

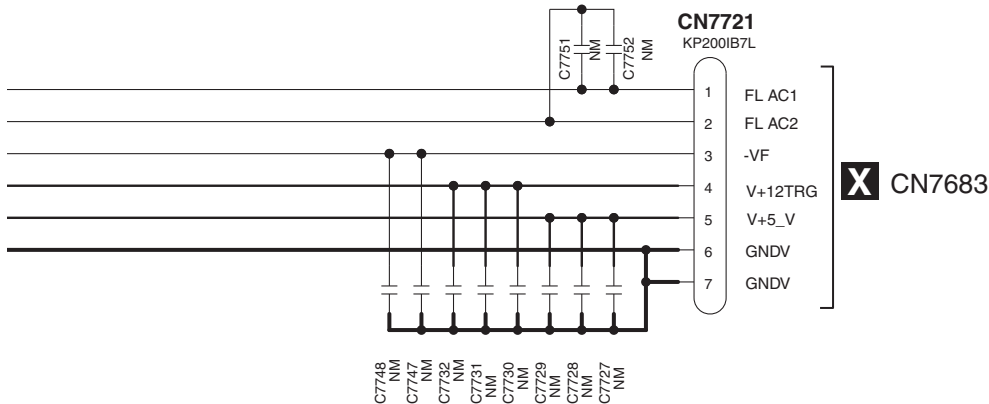
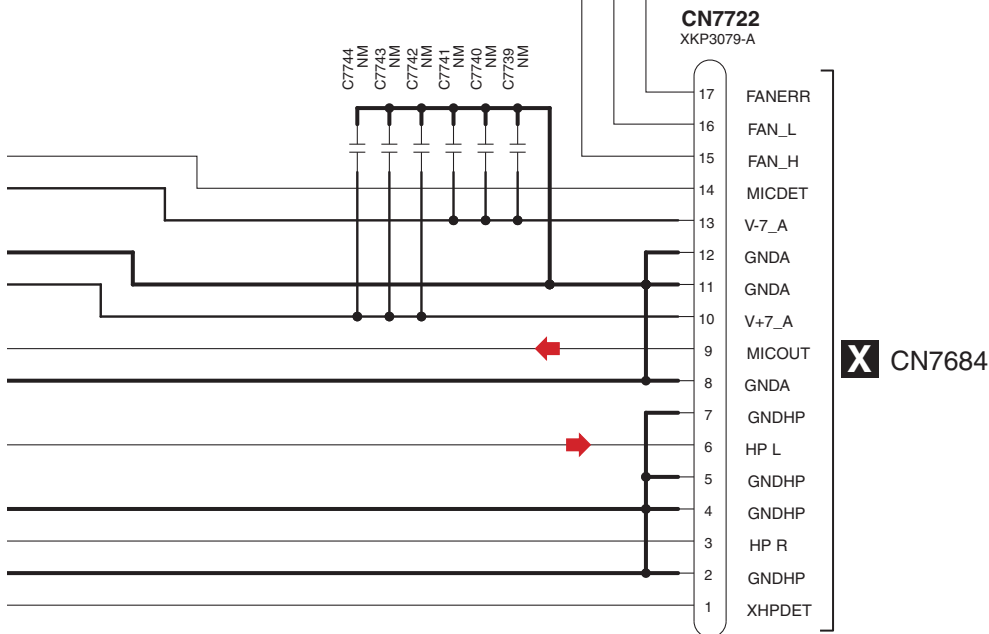
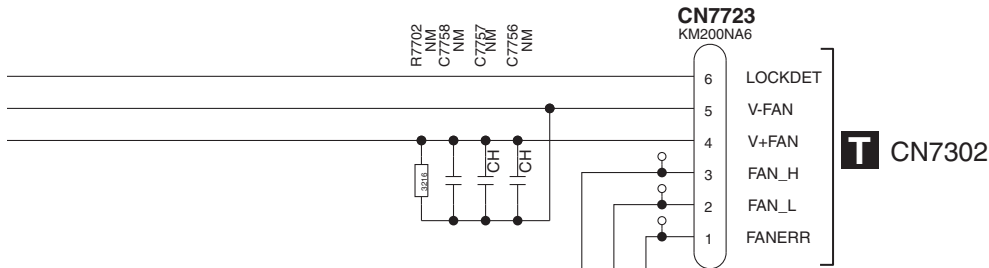
## AC FRONT BRIDGE ASSY (AWX9613)



A1/3  
CN2503



S CN7602



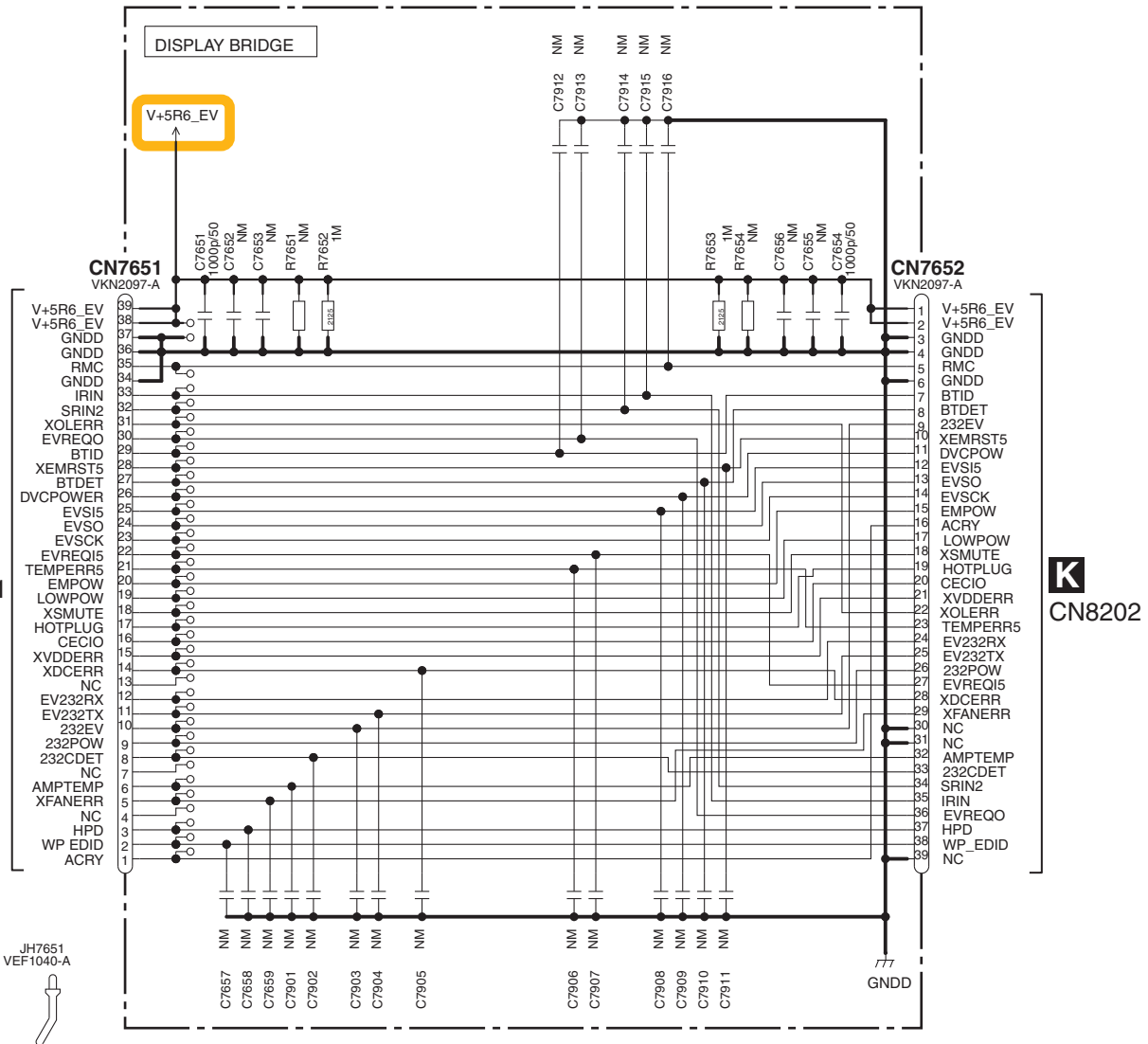
➔ : Audio Signal Route

**NOTE**

- RESISTORS  
Unit: k-k Ω , M-M Ω or Ω unless otherwise noted.  
Rated Power: 1/16w unless otherwise noted.  
Tolerance: (J)5% unless otherwise noted.
- CAPACITORS  
Unit: p-pF or u-uF unless otherwise noted.  
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
- NM: No Mount

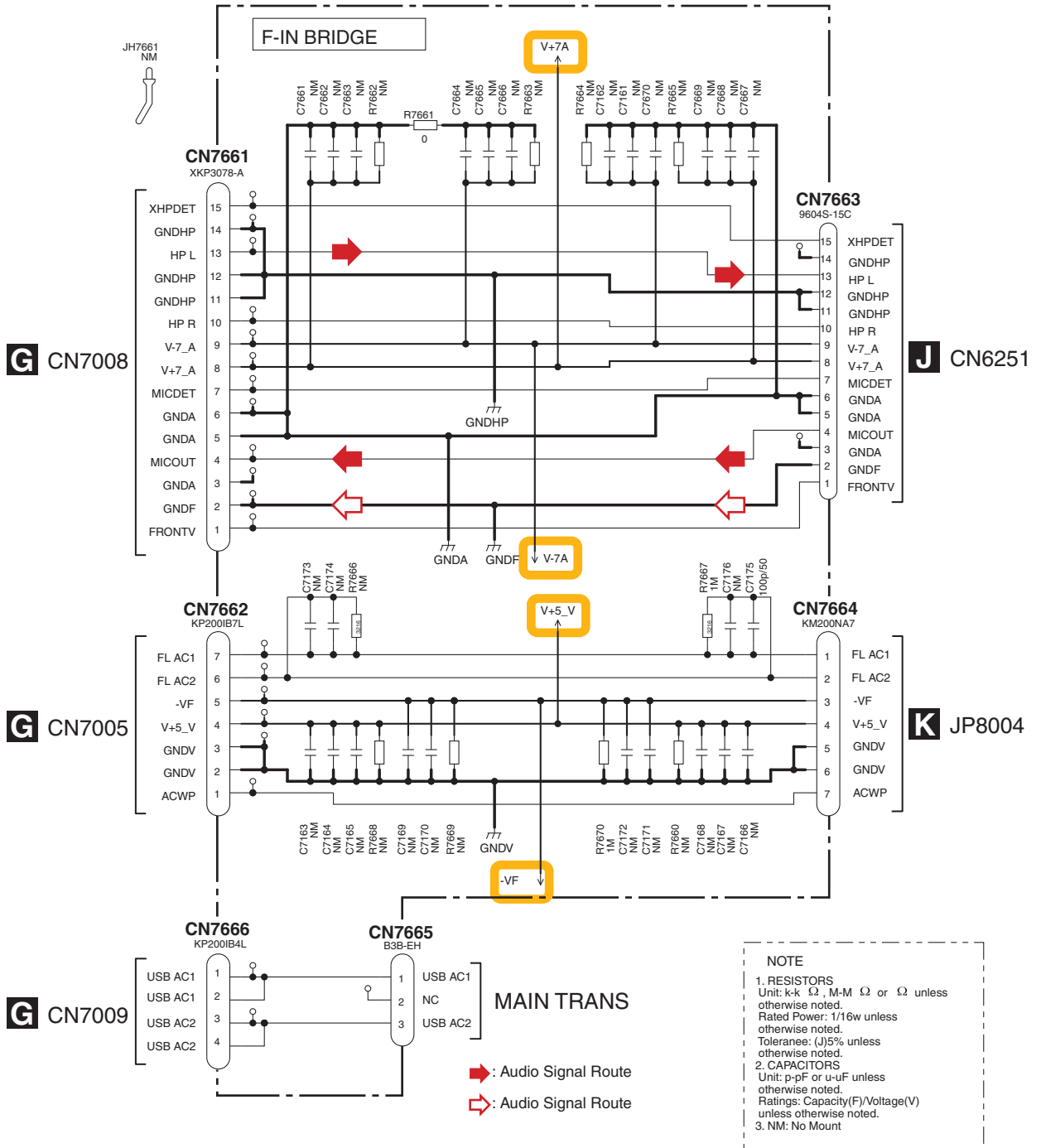
# 10.42 DISPLAY BRIDGE ASSY

## AD DISPLAY BRIDGE ASSY (AWX9614)



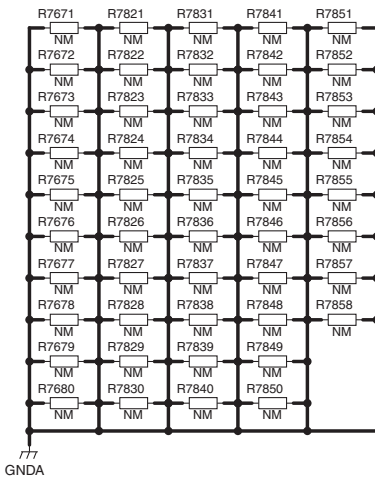
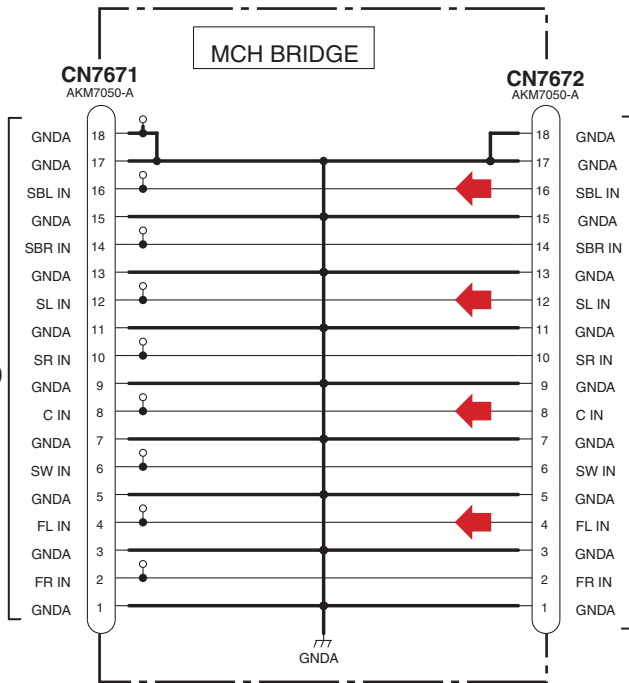
# 10.43 F-IN BRIDGE ASSY

## AE F-IN BRIDGE ASSY (AWX9615)



# 10.44 MCH BRIDGE and FFC GUARD ASSYS

## AF MCH BRIDGE ASSY (AWX9647)

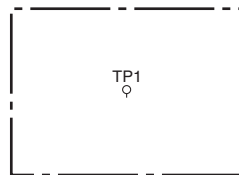


➡: Audio Signal Route

**NOTE**

1. RESISTORS  
Unit: k-k Ω, M-M Ω or Ω unless otherwise noted.  
Rated Power: 1/16w unless otherwise noted.  
Tolerance: (J)5% unless otherwise noted.
2. CAPACITORS  
Unit: p-pF or u-uF unless otherwise noted.  
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

## AG FFC GUARD ASSY (AWX9641)



■

5

■

6

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7

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8

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A

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B

■

C

■

D

■

E

■

F

■

5

■

6

SC-37

■

7

■

8

■



**SIDE A**

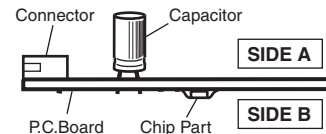
A

**NOTE FOR PCB DIAGRAMS :**

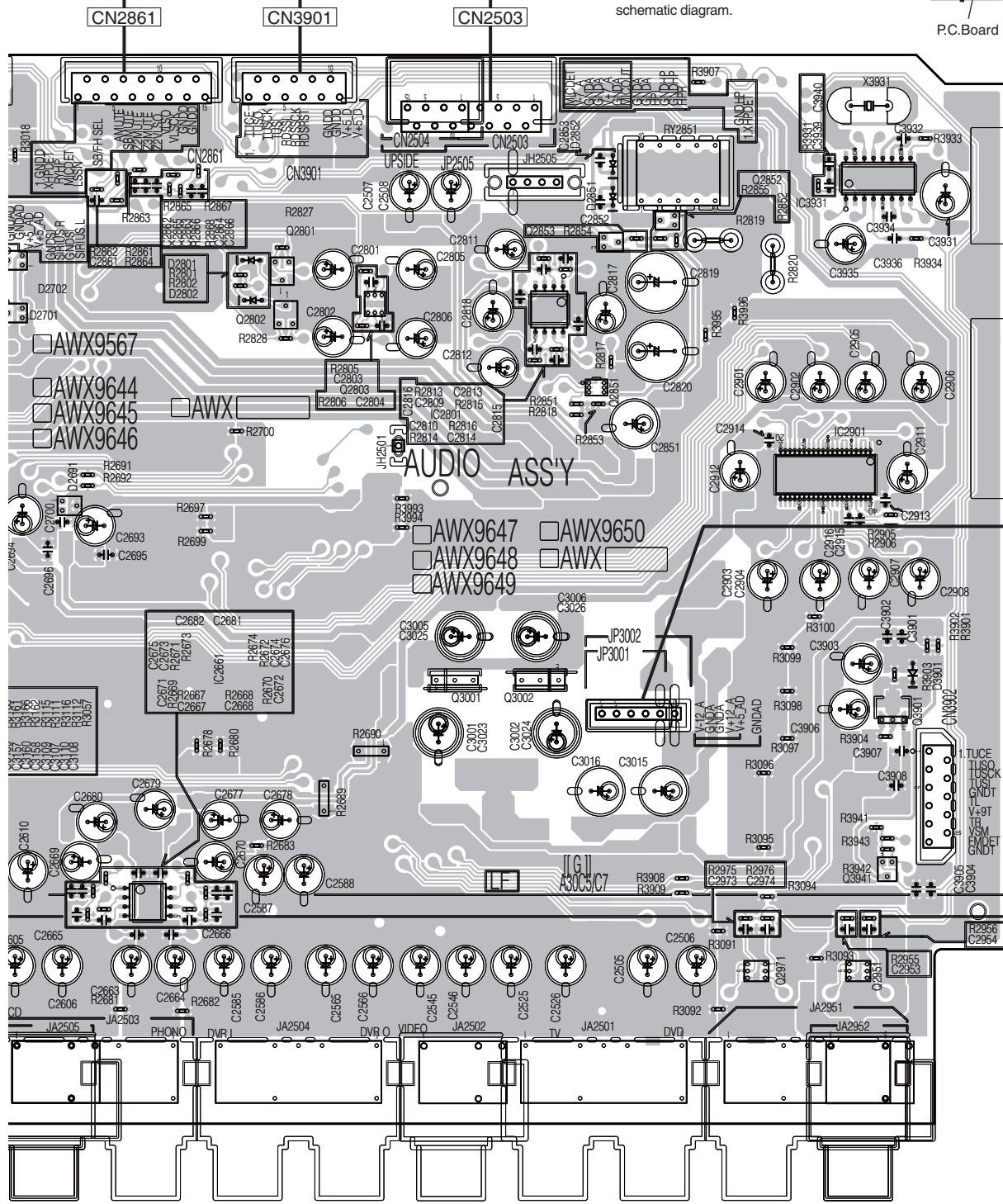
1. The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

2. View point of PCB diagrams.

2. View point of PCB diagrams.



2 **AA** CN3774    **AA** CN3772    **AC** CN7724



**S** CN7502

JP3001

(ANP7741-C)

F

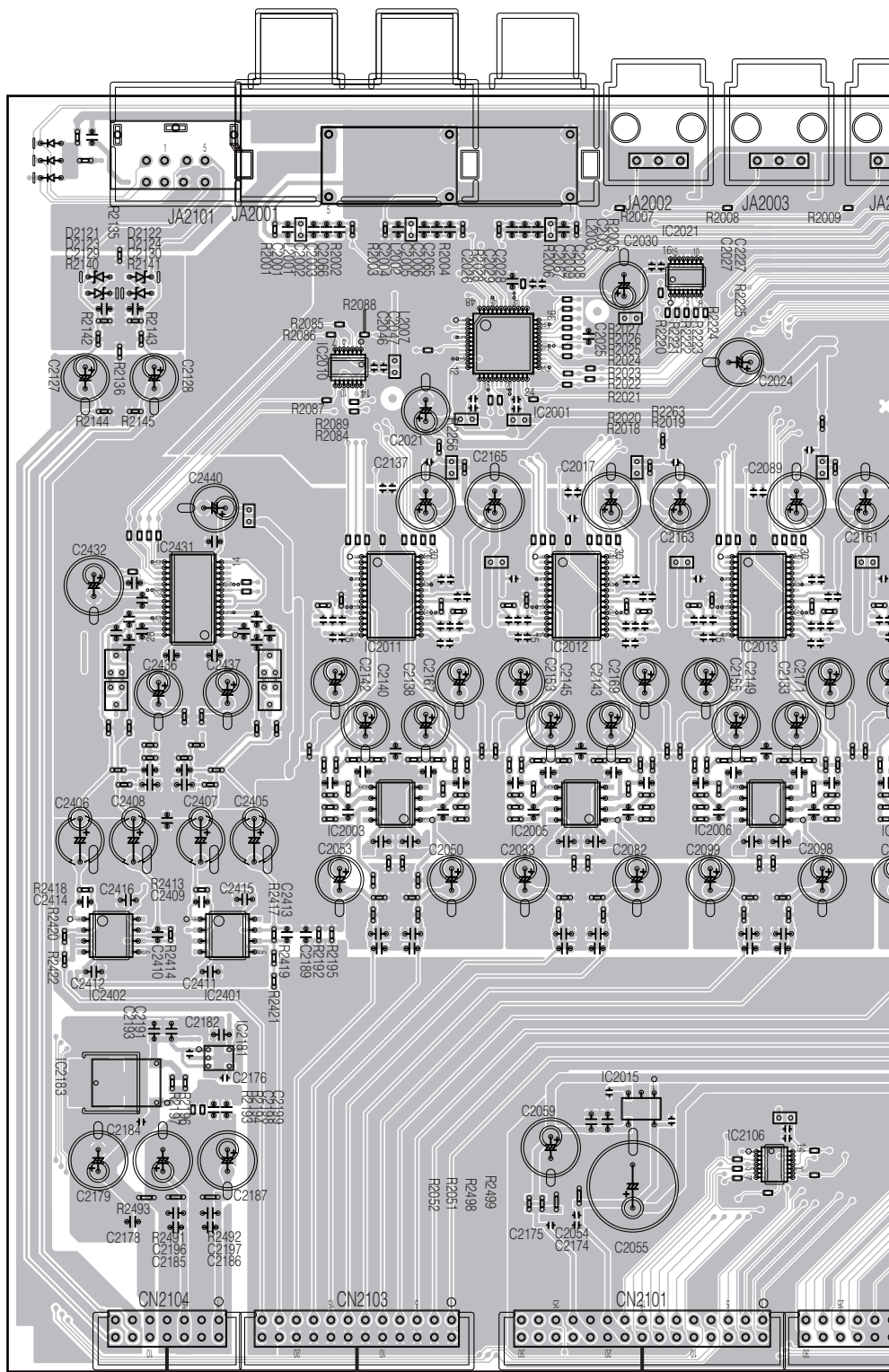




# 11.2 DAC HIGH ASSY (SC-37)

**SIDE A**

**B** DAC HIGH ASSY



CN2104

CN2103

CN2101

**Z** CN3791

**Z** CN3793

**AB** CN3783

**AE**

**B**

**SIDE A**

A

B

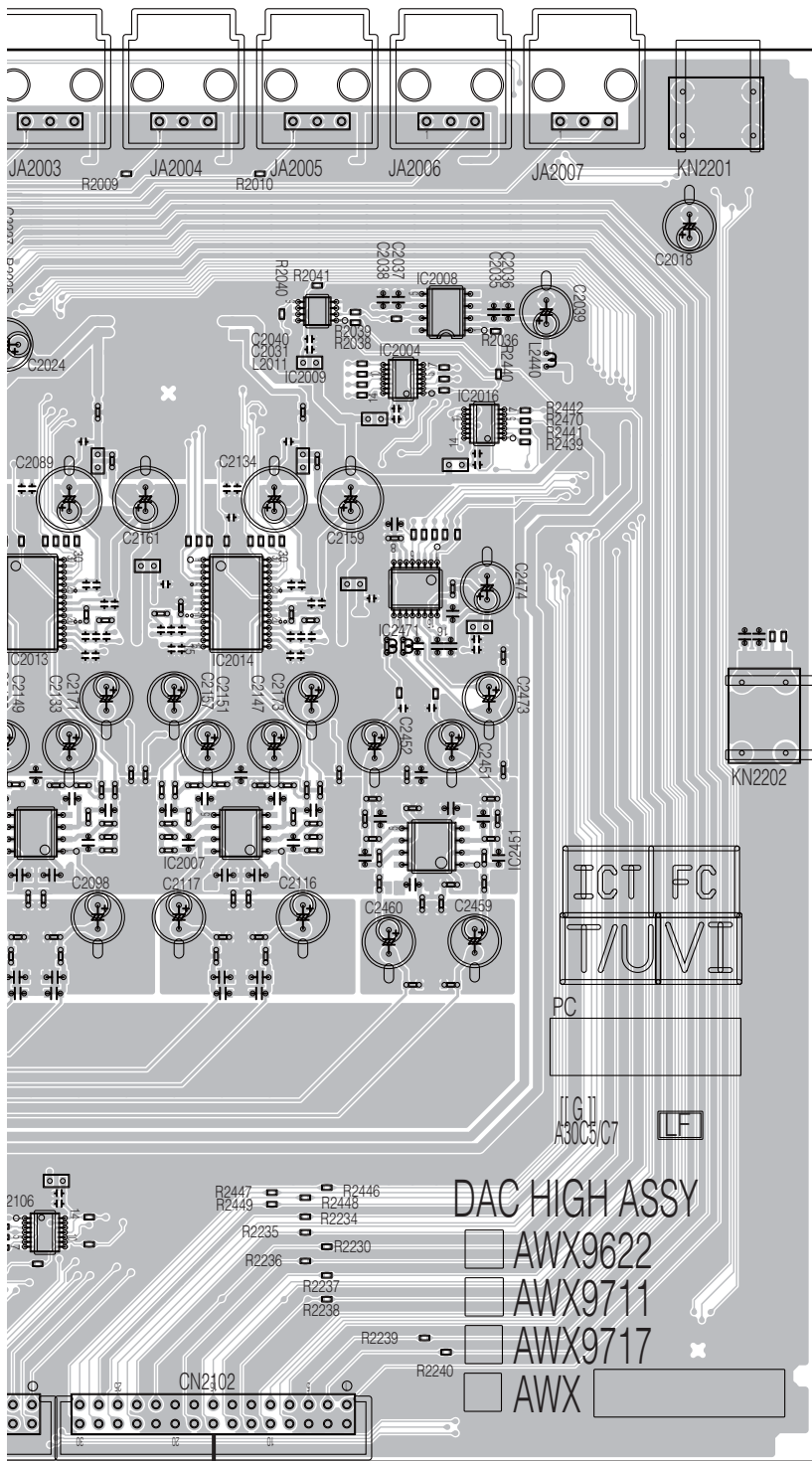
C

D

E

F

**B**



- IC Q
- IC2021
- IC2008
- IC2010
- IC2009
- IC2001
- IC2004
- IC2016
- IC2431
- IC2011
- IC2012
- IC2013
- IC2014
- IC2471
- IC2003
- IC2005
- IC2006
- IC2007
- IC2451
- IC2402
- IC2401
- IC2181
- IC2183
- IC2015
- IC2106

DAC HIGH ASSY

- AWX9622
- AWX9711
- AWX9717
- AWX

(ANP7756-B)

CN2102  
 ↓  
**AB** CN3781

SIDE B

A

# B DAC HIGH ASSY

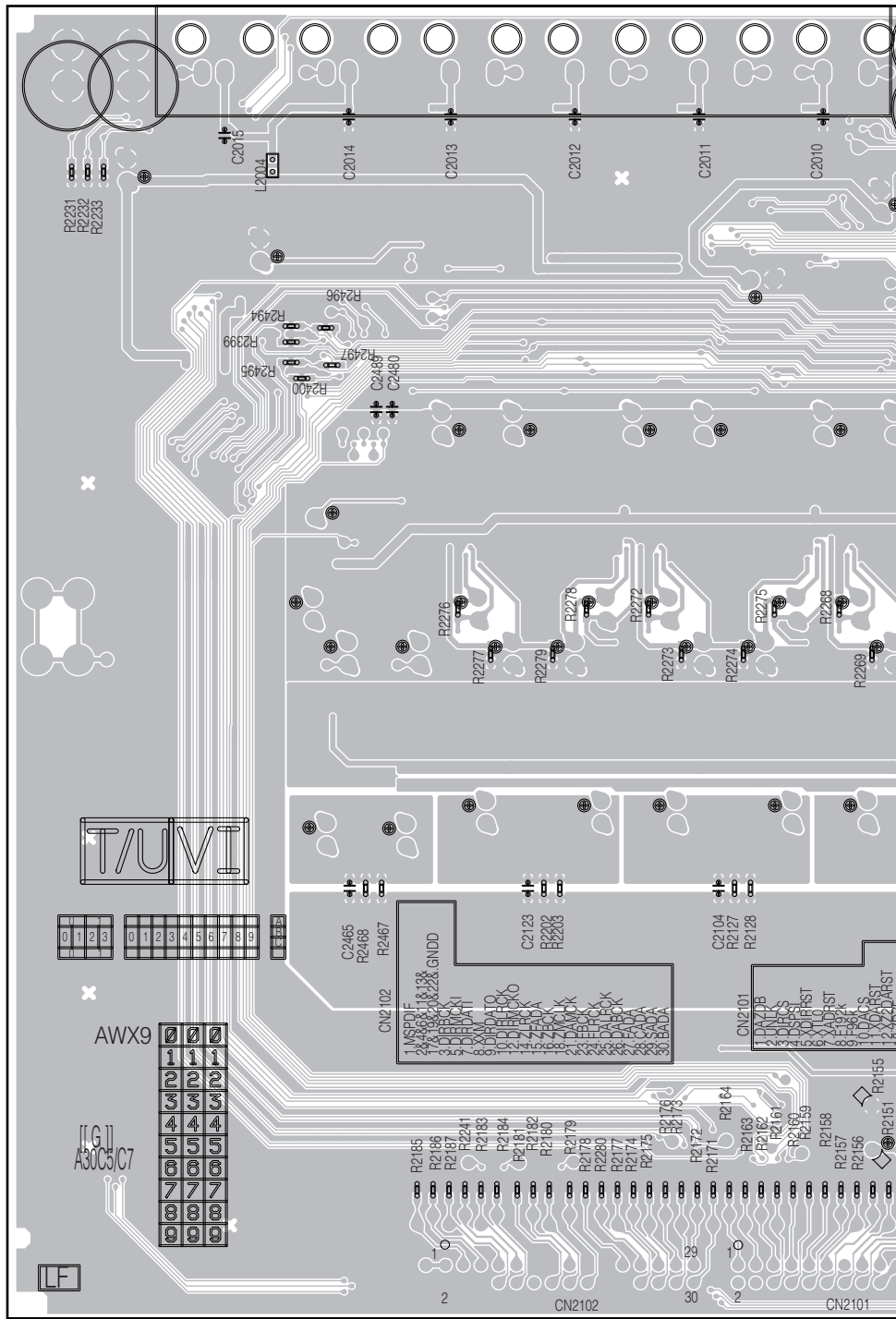
B

C

D

E

F

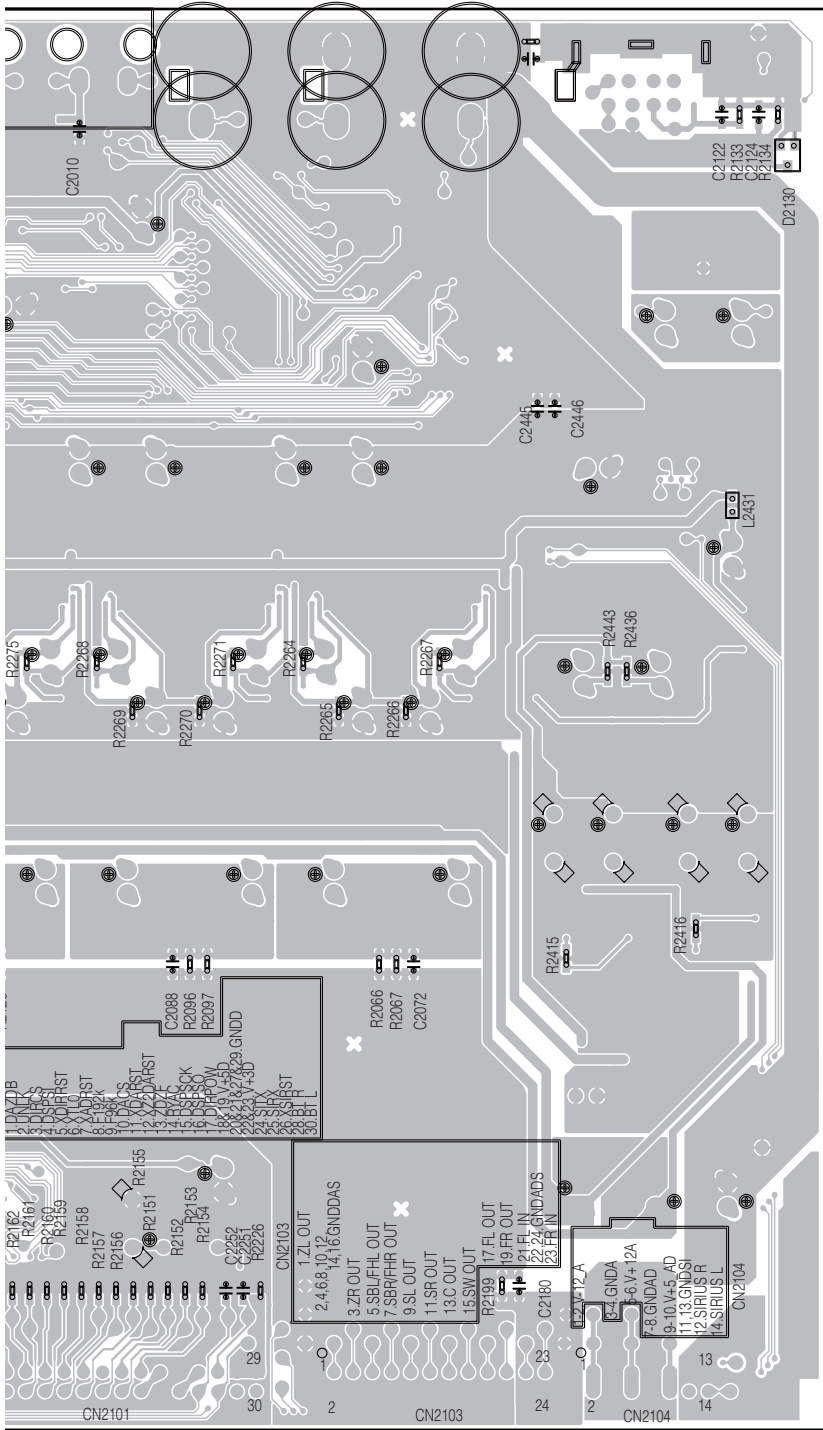


CN2102

CN2101

B

SC-37



CN2101

CN2103

CN2104

(ANP7756-B)

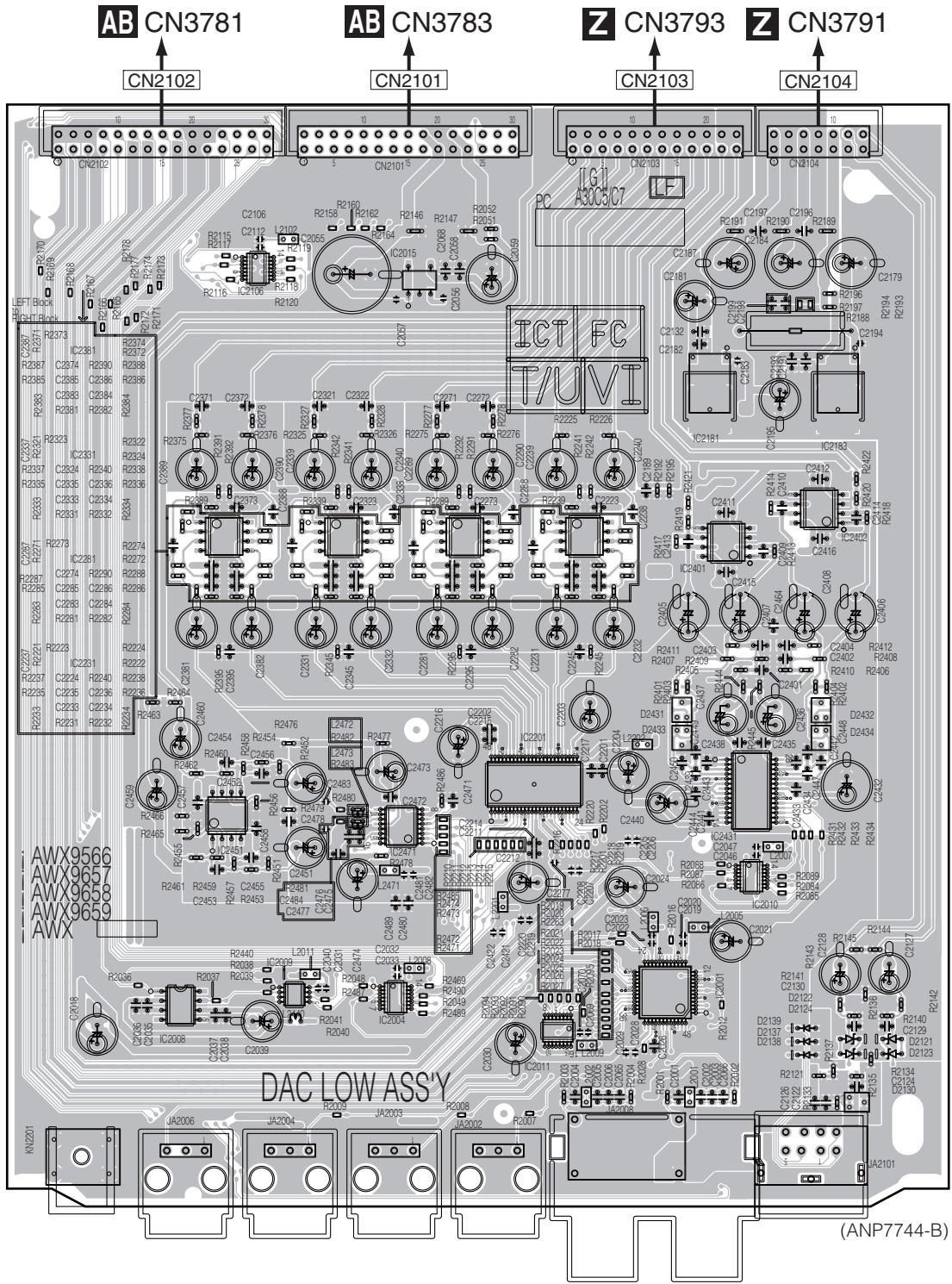
# 11.3 DAC LOW ASSY (SC-35, SC-1525-K)

SIDE A

SIDE A

## C DAC LOW ASSY

A  
B  
C  
D  
E  
F



C

210

SC-37

C

1

2

3

4

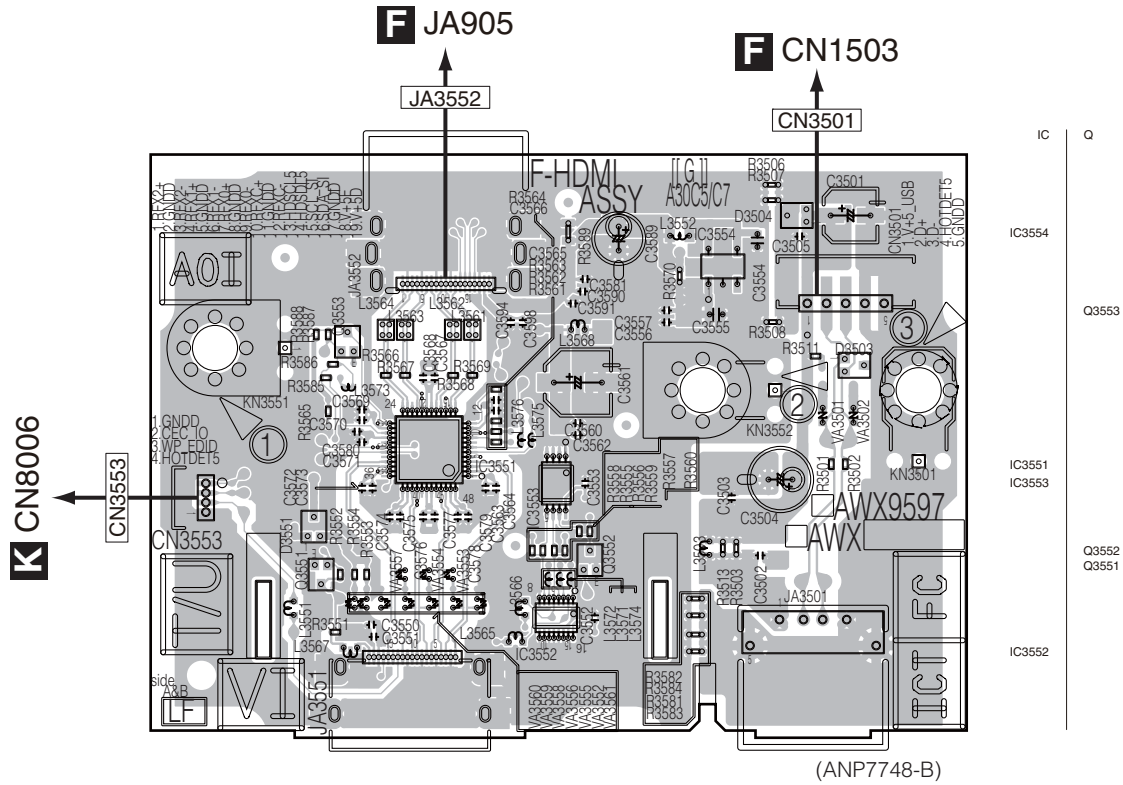


# 11.4 FRONT HDMI and MULTI CH IN ASSYS

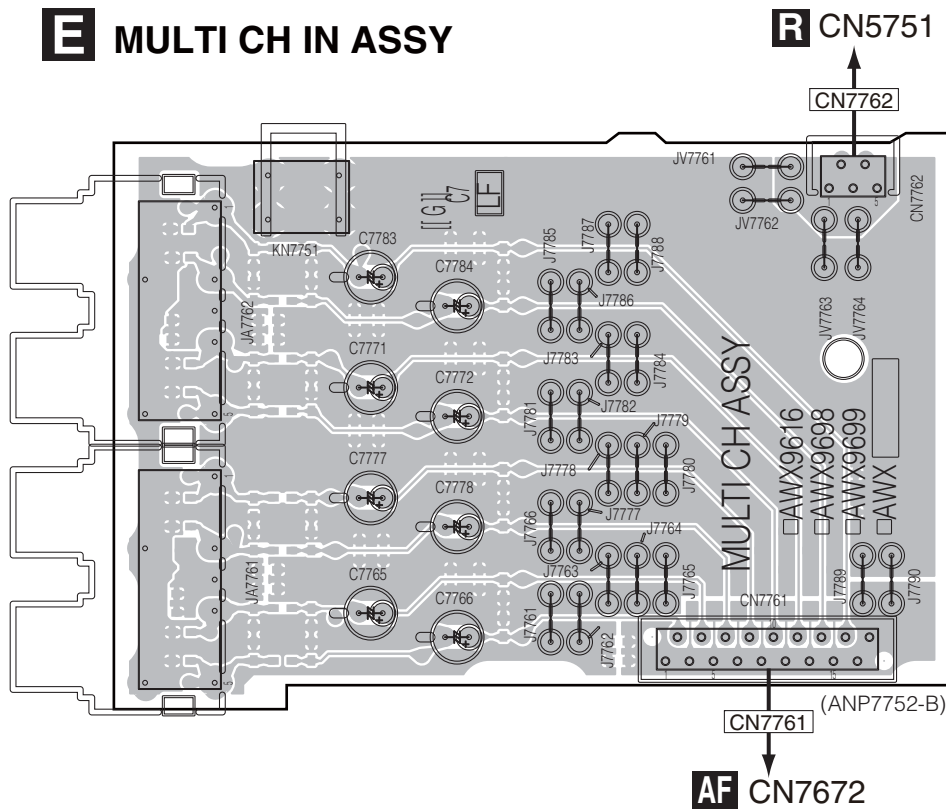
**SIDE A**

**SIDE A**

## **D** FRONT HDMI ASSY



## **E** MULTI CH IN ASSY



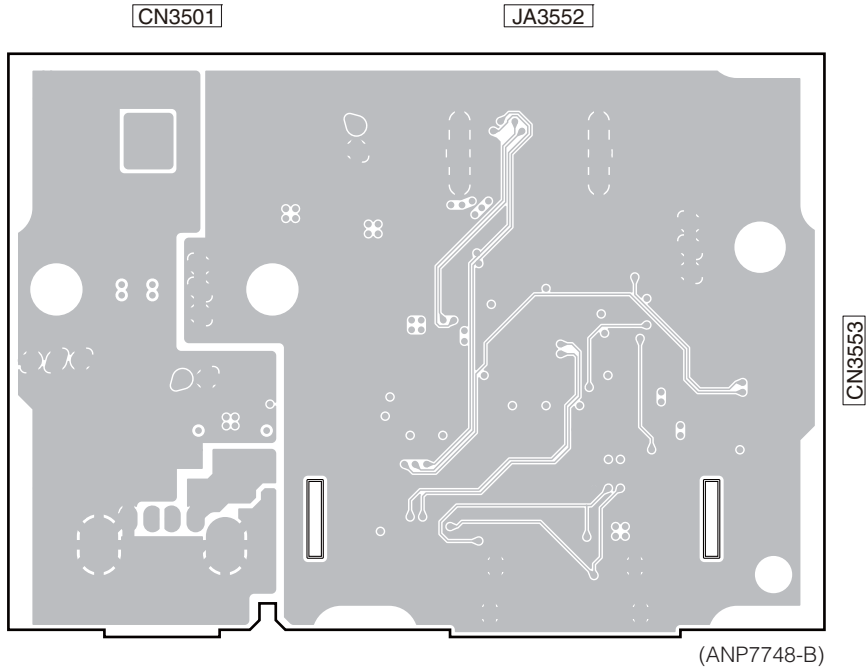
**D E**

**D E**

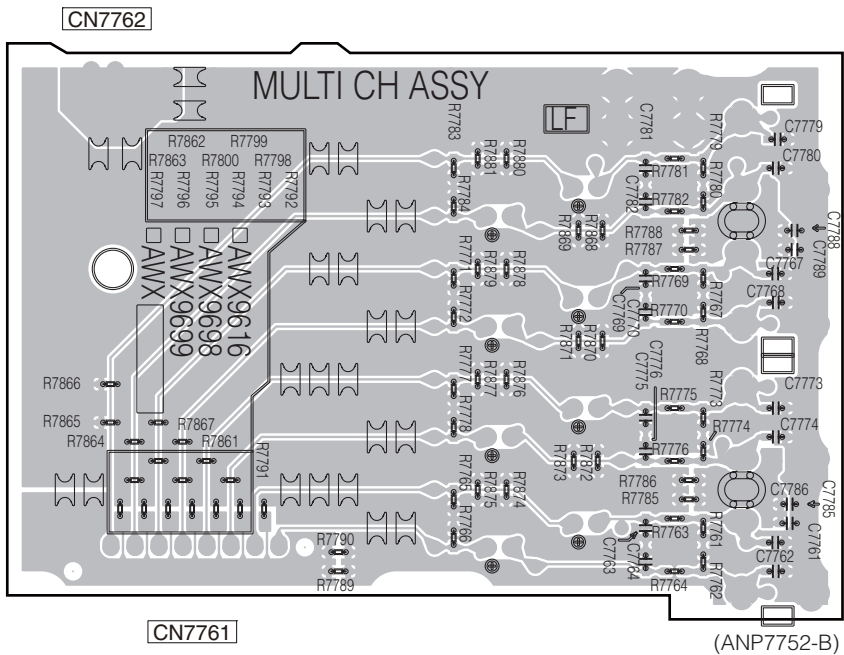
SIDE B

SIDE B

# D FRONT HDMI ASSY



# E MULTI CH IN ASSY



D E

D E

# 11.5 DIGITAL MAIN ASSY

**SIDE A**

## F DIGITAL MAIN ASSY

A

B

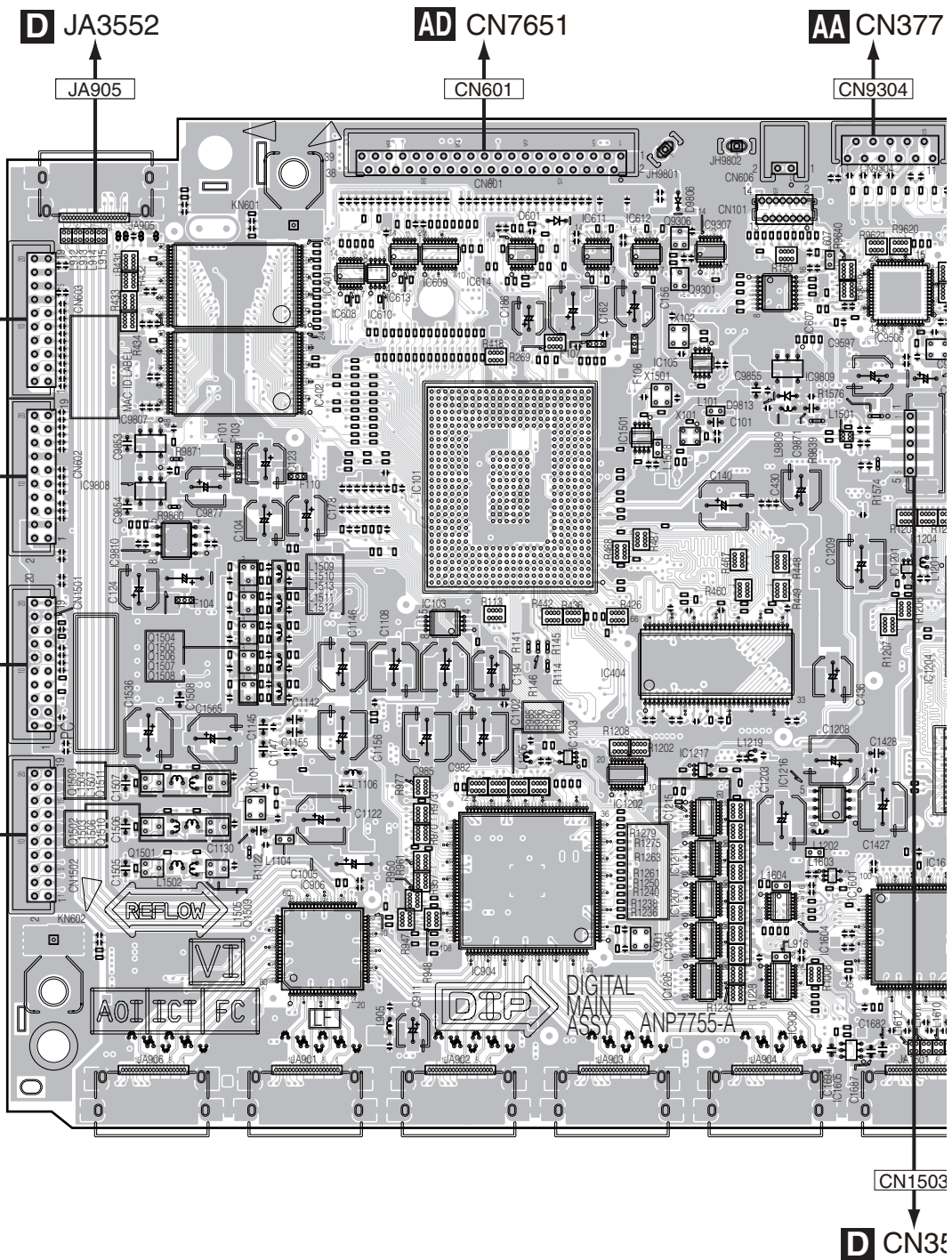
C

D

E

F

| IC     | Q     |
|--------|-------|
| IC9019 | Q605  |
| IC611  | Q606  |
| IC9016 | Q604  |
| IC9015 |       |
| IC9307 |       |
| IC614  |       |
| IC9007 | Q9306 |
| IC9017 | Q9301 |
| IC9303 |       |
| IC9202 |       |
| IC609  |       |
| IC613  |       |
| IC608  |       |
| IC610  |       |
| IC9018 | Q602  |
| IC9017 |       |
| IC9015 |       |
| IC9304 |       |
| IC9302 |       |
| IC105  |       |
| IC9809 |       |
| IC402  |       |
| IC1501 |       |
| IC101  |       |
| IC9805 |       |
| IC9807 |       |
| IC9808 |       |
| IC1201 | Q1504 |
| IC9806 | Q1505 |
| IC9013 | Q1506 |
| IC9006 | Q1507 |
| IC904  | Q1508 |
| IC9011 | Q1509 |
| IC9810 |       |
| IC103  |       |
| IC9804 |       |
| IC9808 |       |
| IC9808 |       |
| IC9003 |       |
| IC1204 | Q9802 |
| IC1203 |       |
| IC1217 |       |
| IC404  | Q9801 |
| IC1218 |       |
| IC1216 |       |
| IC1202 |       |
| IC1815 | Q1503 |
| IC1816 | Q1511 |
| IC9503 | Q1502 |
| IC1214 | Q1510 |
| IC1213 |       |
| IC1211 |       |
| IC1808 |       |
| IC1809 |       |
| IC1603 |       |
| IC1810 |       |
| IC9301 |       |
| IC1507 | Q1501 |
| IC906  | Q1509 |
| IC1804 |       |
| IC1206 |       |
| IC904  |       |
| IC1814 |       |
| IC1811 |       |
| IC1803 |       |
| IC1801 |       |
| IC9310 |       |
| IC1205 |       |
| IC1605 |       |
| IC1606 |       |
| IC9812 |       |
| IC9803 |       |
| IC9805 |       |



**F**

1

2

3

4

**SIDE A**

A

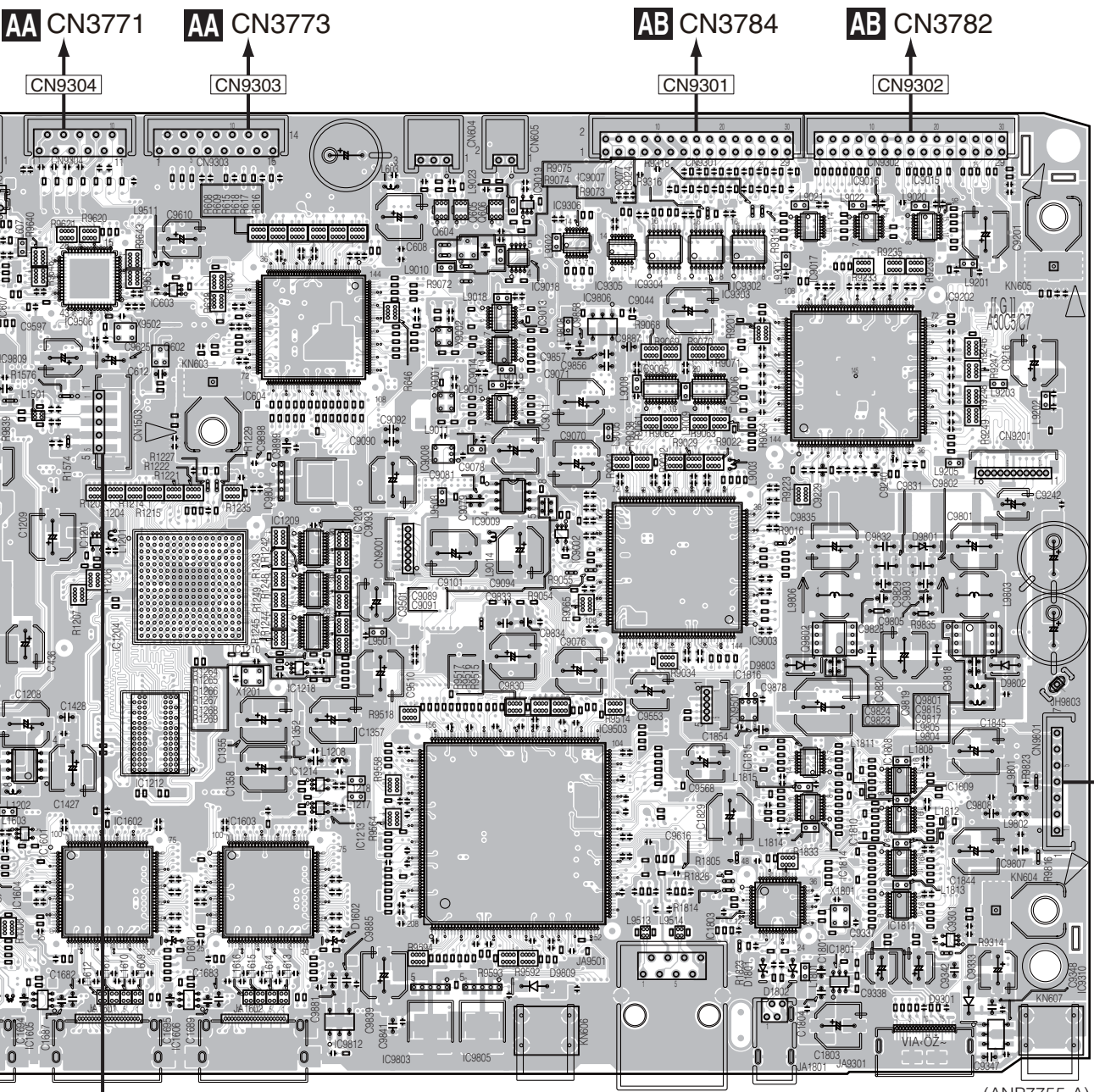
B

C

D

E

F



SC-37

**F**

SIDE B

# F DIGITAL MAIN ASSY

A

B

C

D

E

F

IC Q

CN9302

CN9301

CN9303

Q9304

IC605

Q9307

Q9305

Q603

Q608

Q9303

Q9302

Q607

IC606

IC601

IC9816

IC602

IC9309

IC9012

IC9201

IC9004

IC1502

IC102

IC9010

IC9802

IC403

IC9001

Q102

Q101

Q1101

IC104

IC9811

IC9801

IC9502

IC1805

IC9815

IC1802

IC1804

IC1813

IC1812

IC901

IC9505

IC909

IC9504

IC1806

IC1807

Q904

Q902

IC1607

IC9308

Q1603

Q1602

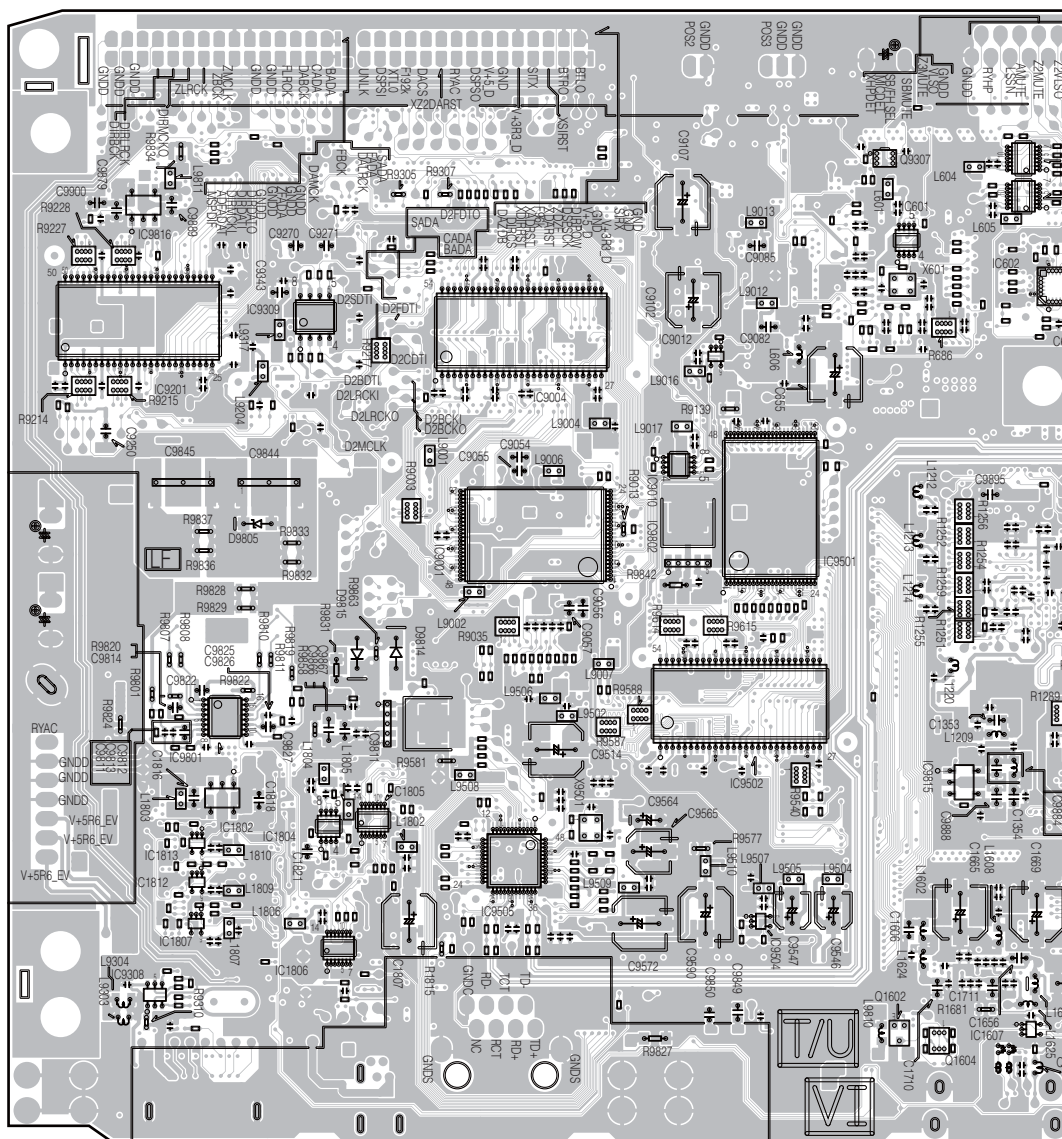
IC9813

Q1604

IC9303

Q1601

IC9307



CN9801



SIDE B

A

B

C

D

E

F

CN9303

CN9304

CN601

JA905

CN603

CN602

CN1501

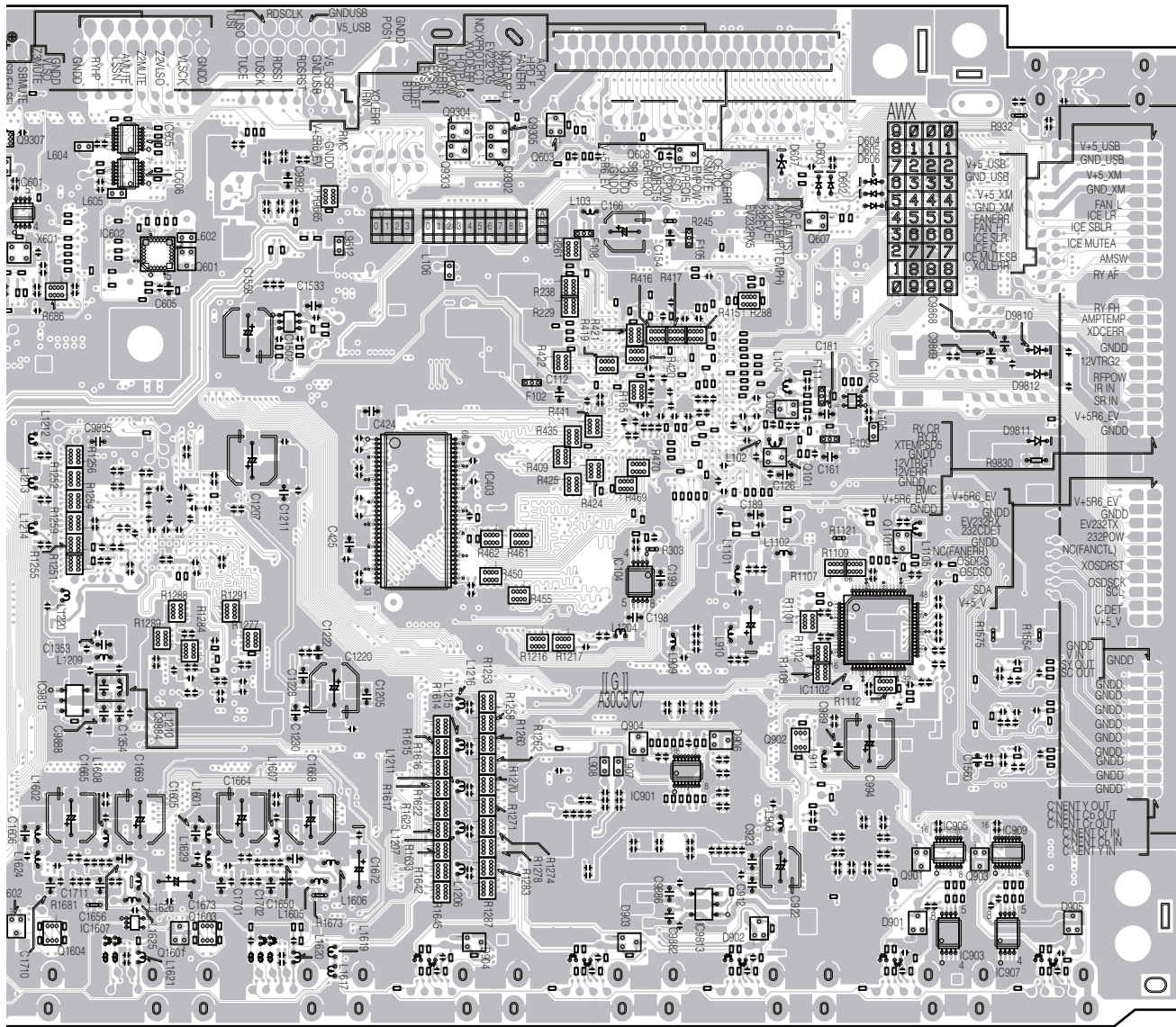
CN1502

CN1503

(ANP7755-A)

SC-37

F







**SIDE B**

A

**G INTERFACE ASSY**

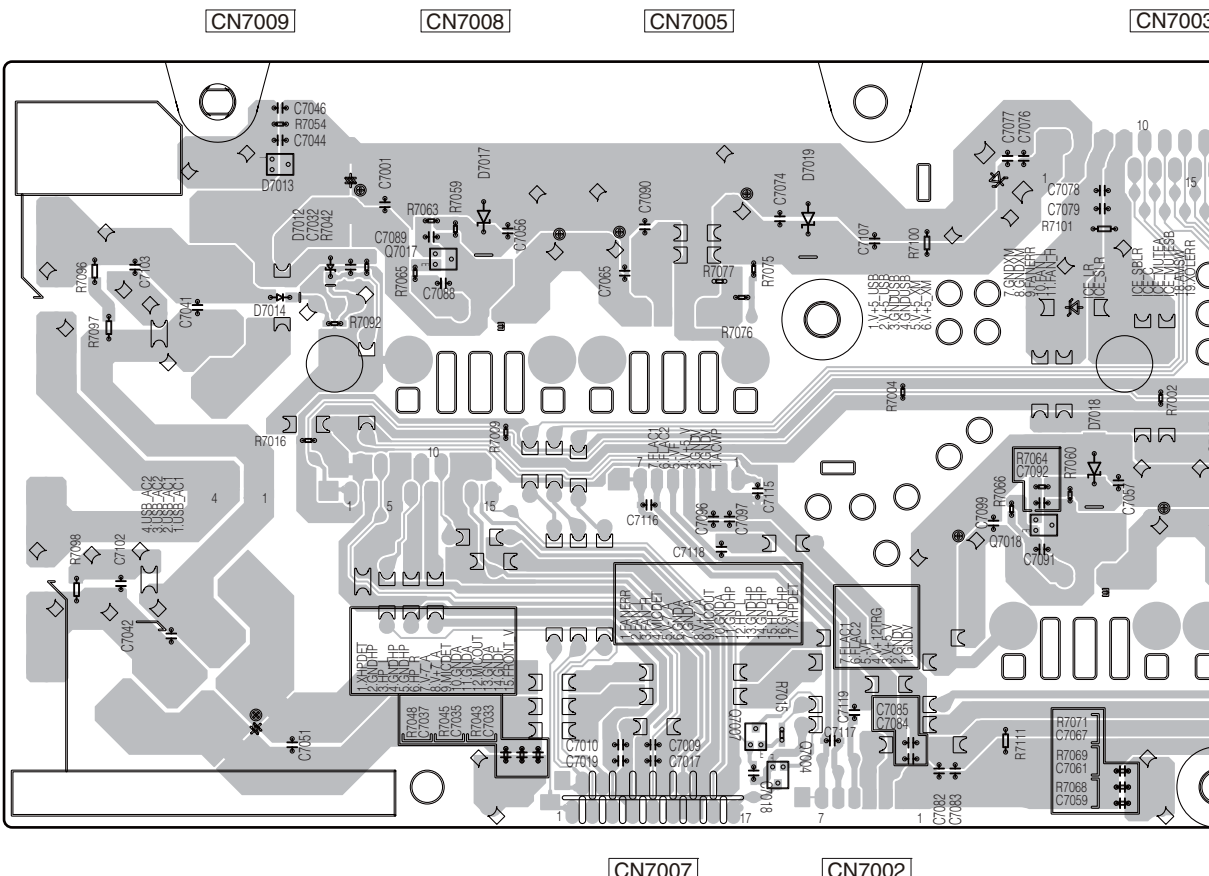
B

C

D

E

F



SIDE B

A

B

C

D

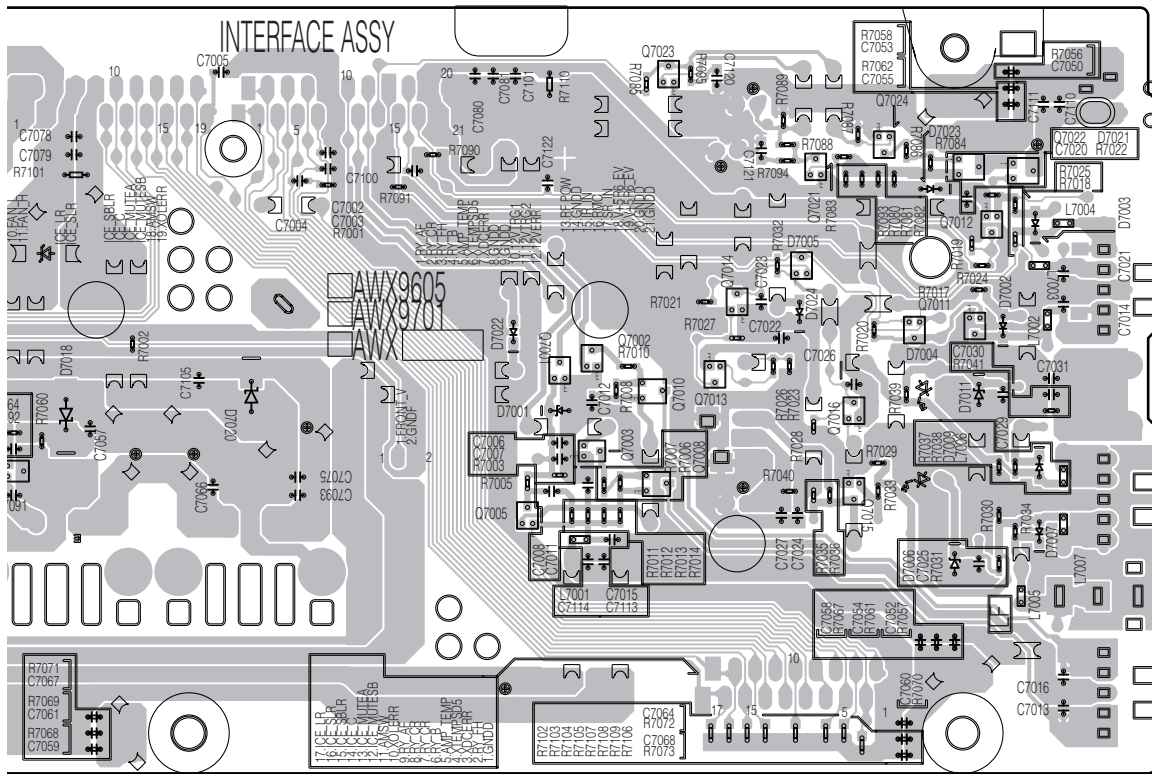
E

F



CN7003

CN7004



IC

Q

Q7023

Q7024

Q7022

Q7017

Q7021

Q7012

Q7014

Q7011

Q7002

Q7001

Q7010

Q7013

Q7016

Q7003

Q7008

Q7018

Q7015

Q7005

Q7007

Q7004

(ANP7751-B)

JP7001

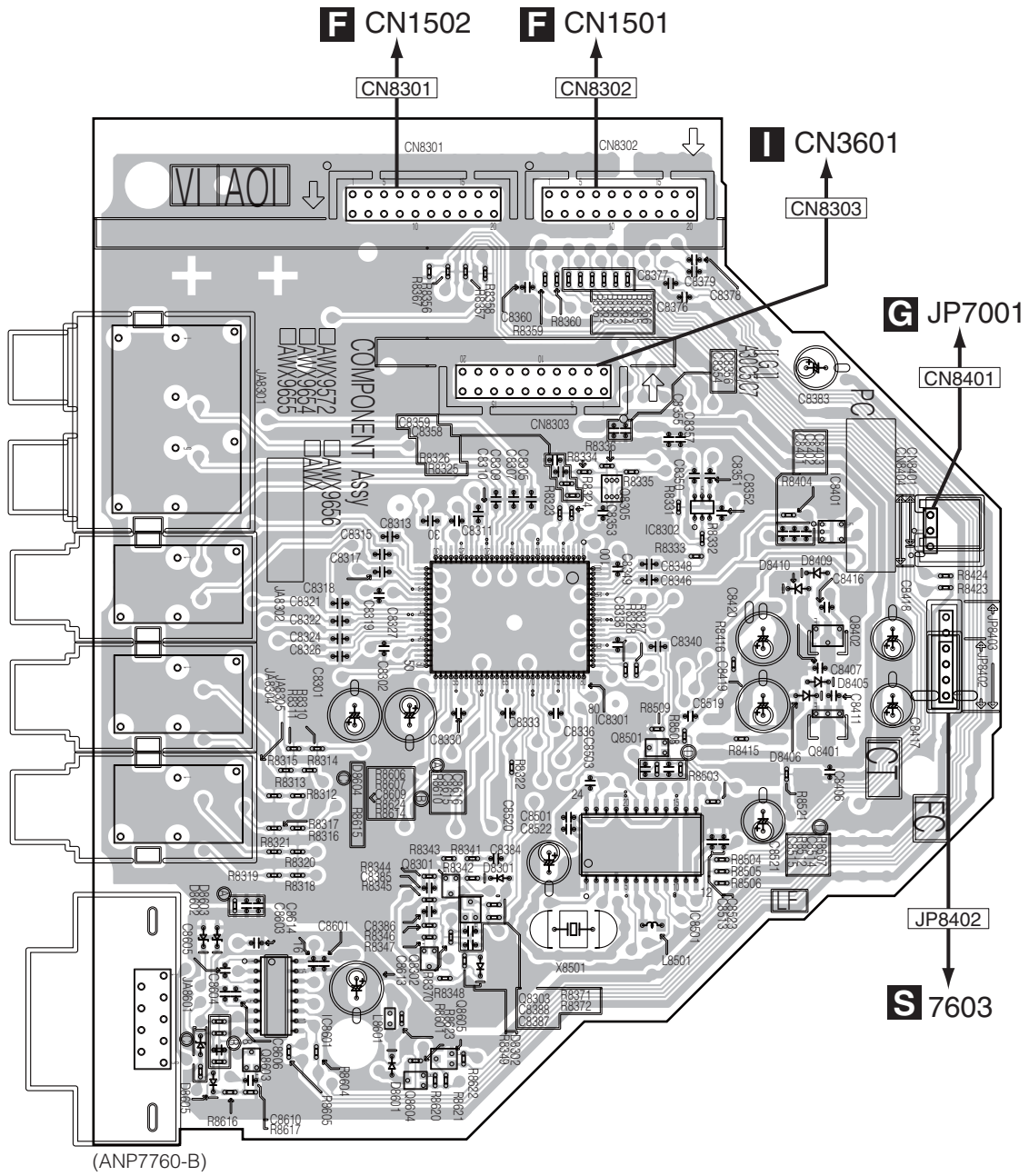
CN7006

# 11.7 COMPONENT ASSY

SIDE A

SIDE A

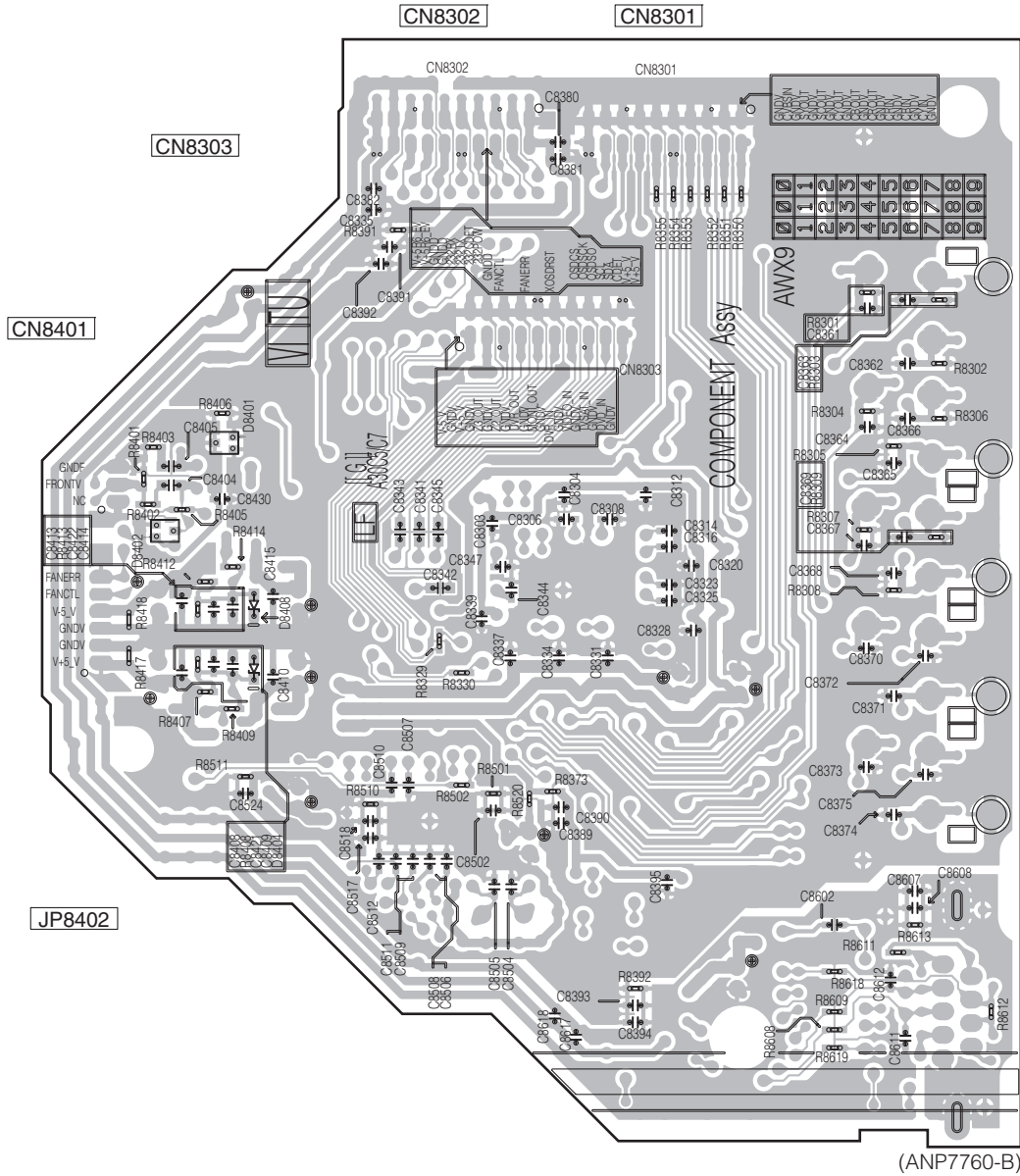
## COMPONENT ASSY



SIDE B

SIDE B

# COMPONENT ASSY



(ANP7760-B)

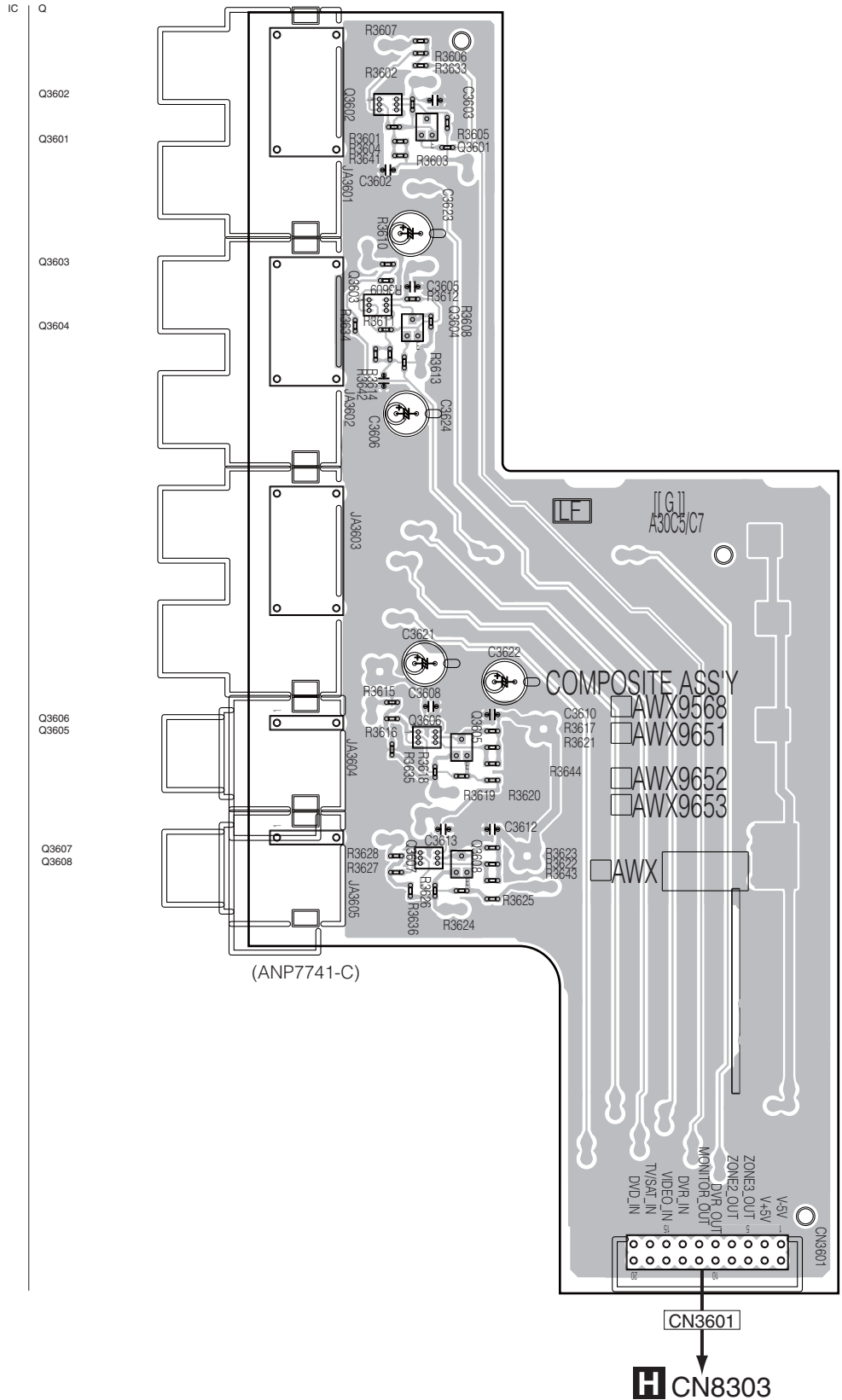


# 11.8 COMPOSITE ASSY

SIDE A

SIDE A

## COMPOSITE ASSY



SIDE B

SIDE B

# COMPOSITE ASSY

A

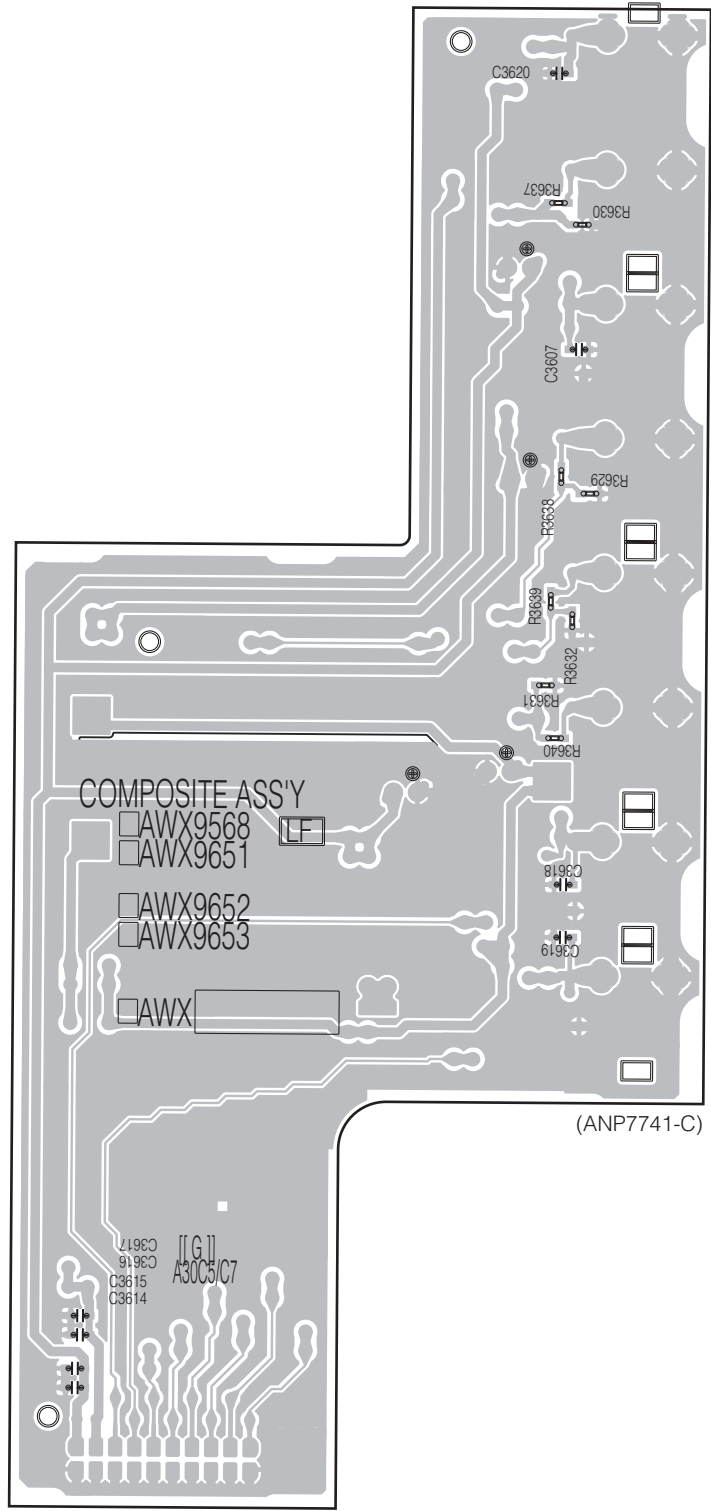
B

C

D

E

F



CN3601

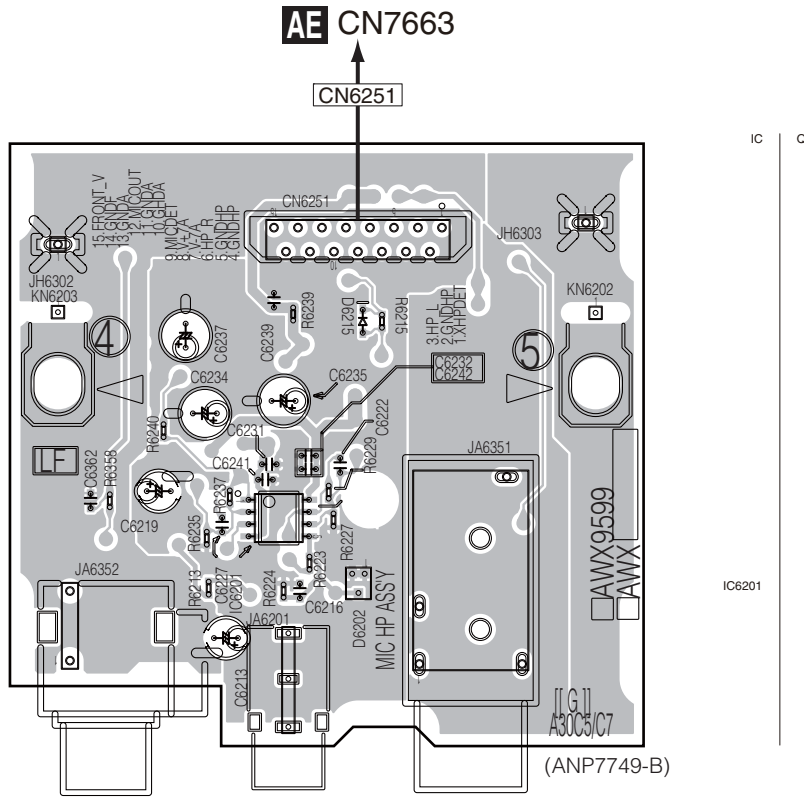


# 11.9 MIC HP, VOL and POWER SW ASSYS

**SIDE A**

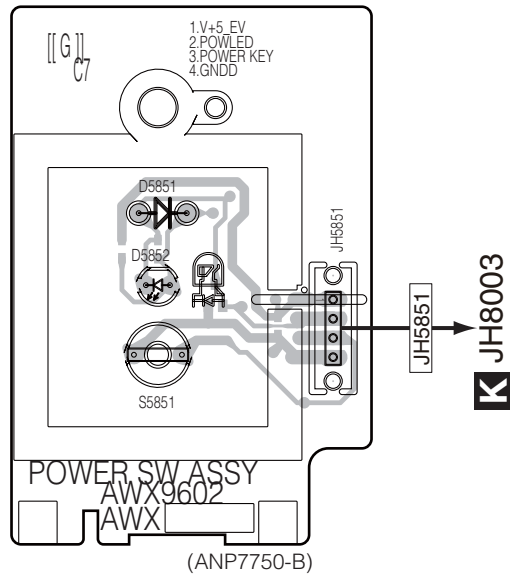
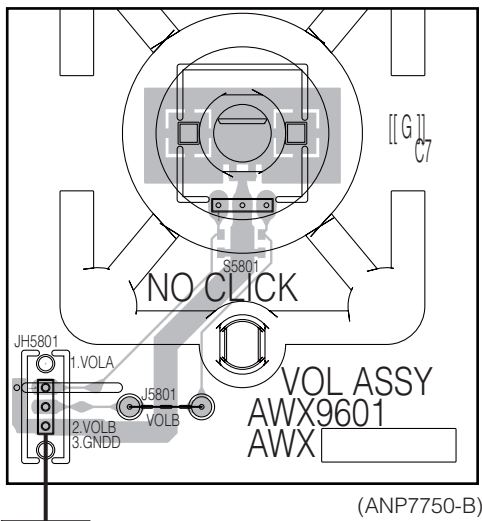
**SIDE A**

## J MIC HP ASSY



## L VOL ASSY

## M POWER SW ASSY



**K JH8001**

**K JH8003**

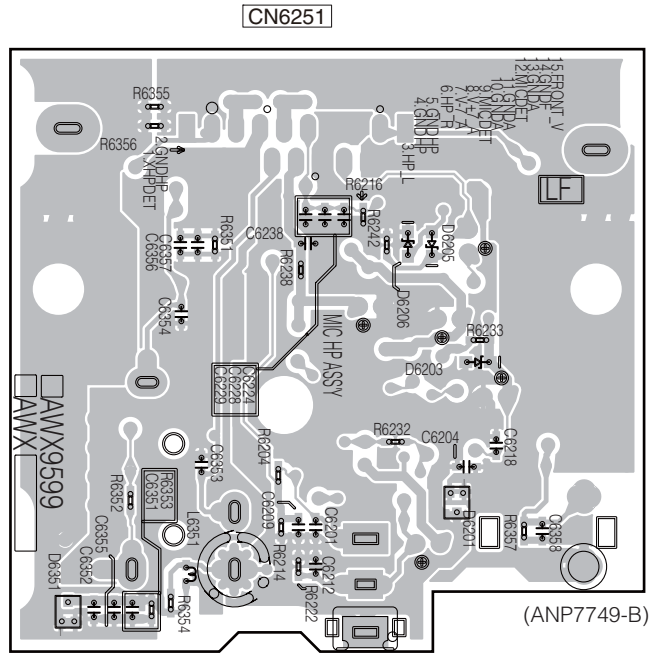
**J L M**

**J L M**

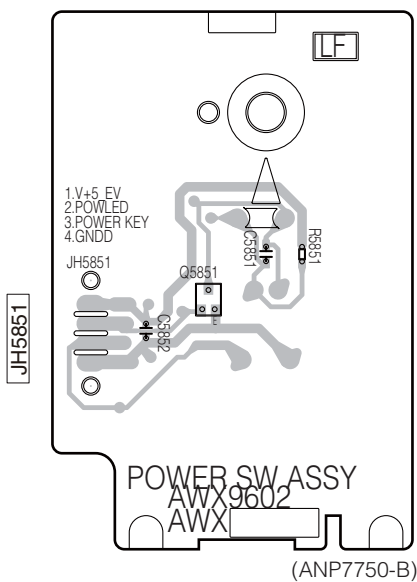
SIDE B

SIDE B

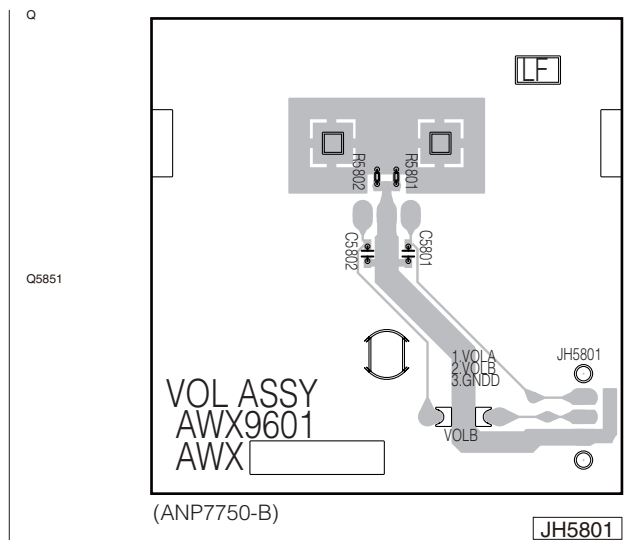
# J MIC AMP ASSY



# M POWER SW ASSY



# L VOL ASSY



J L M

J L M



**SIDE A**

A

B

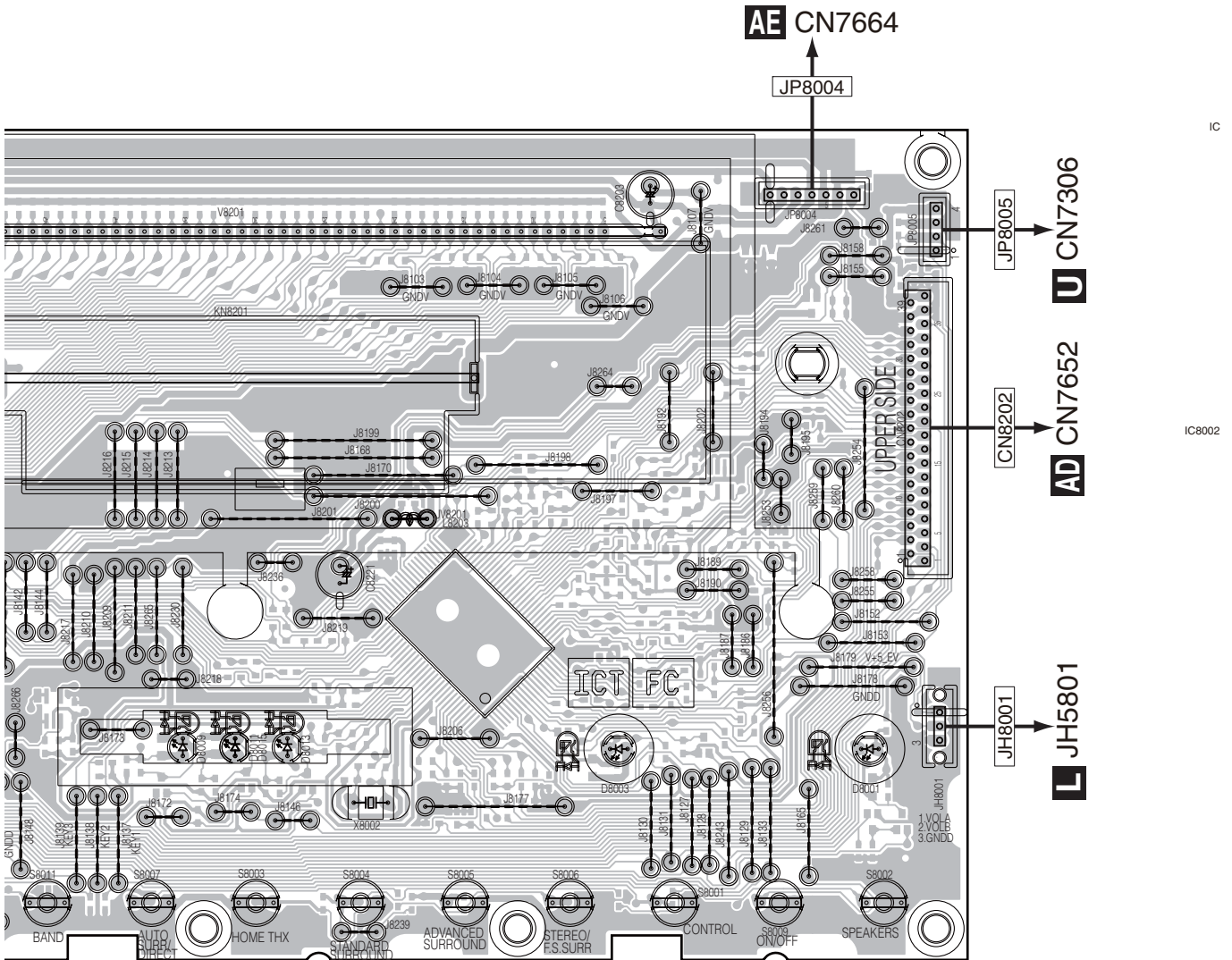
C

D

E

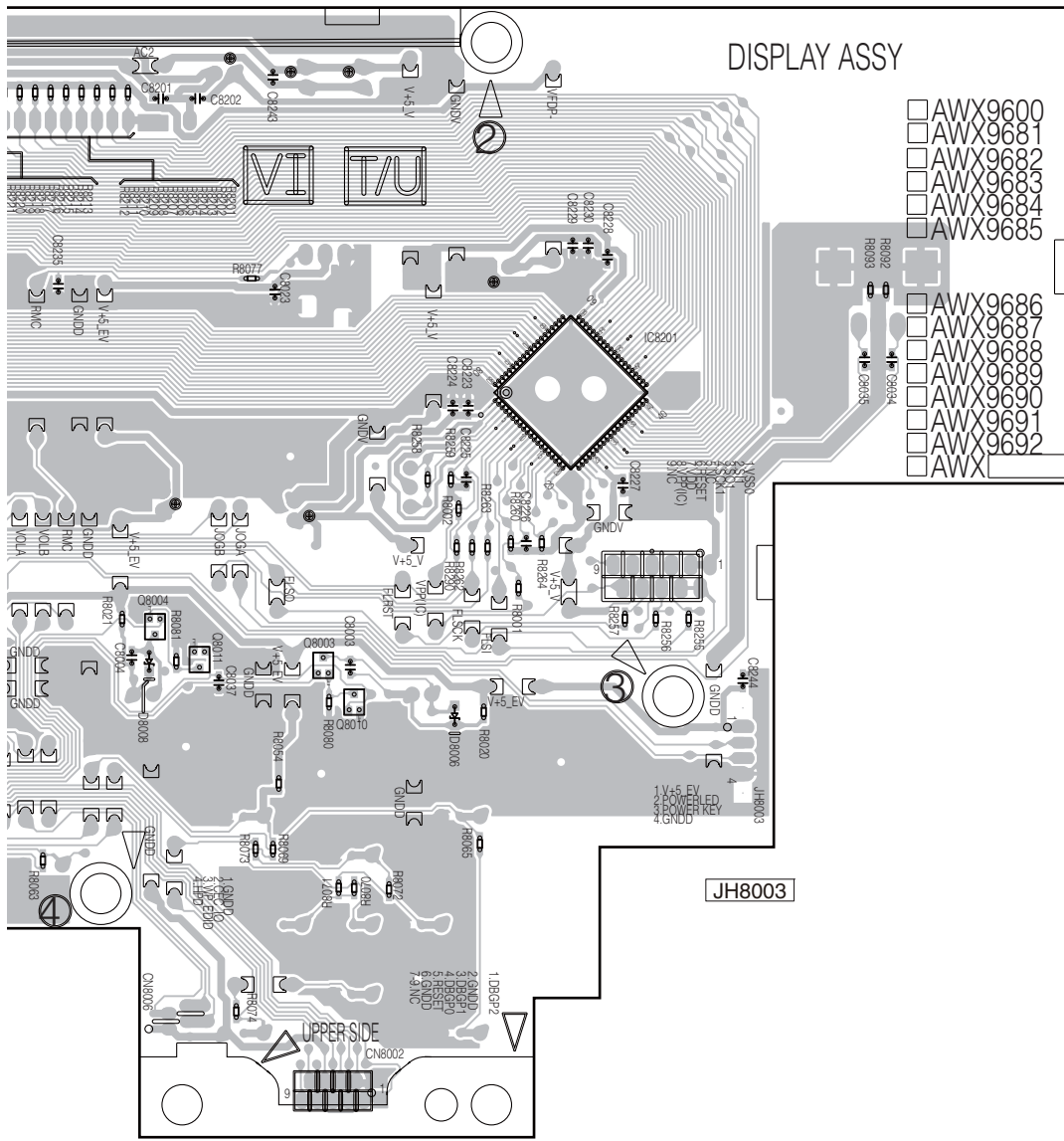
F

K



(ANP7750-B)





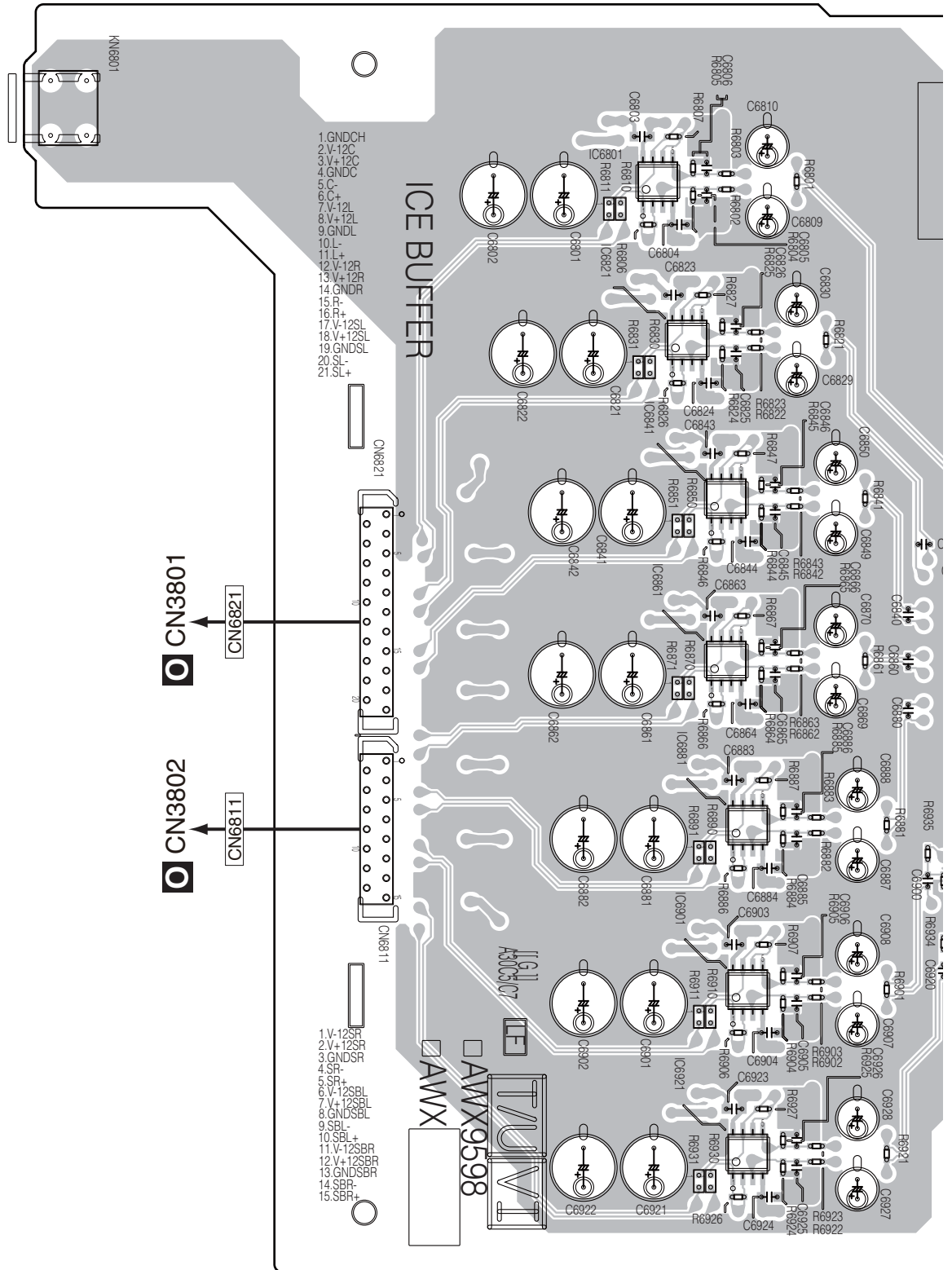
CN8006

(ANP7750-B)

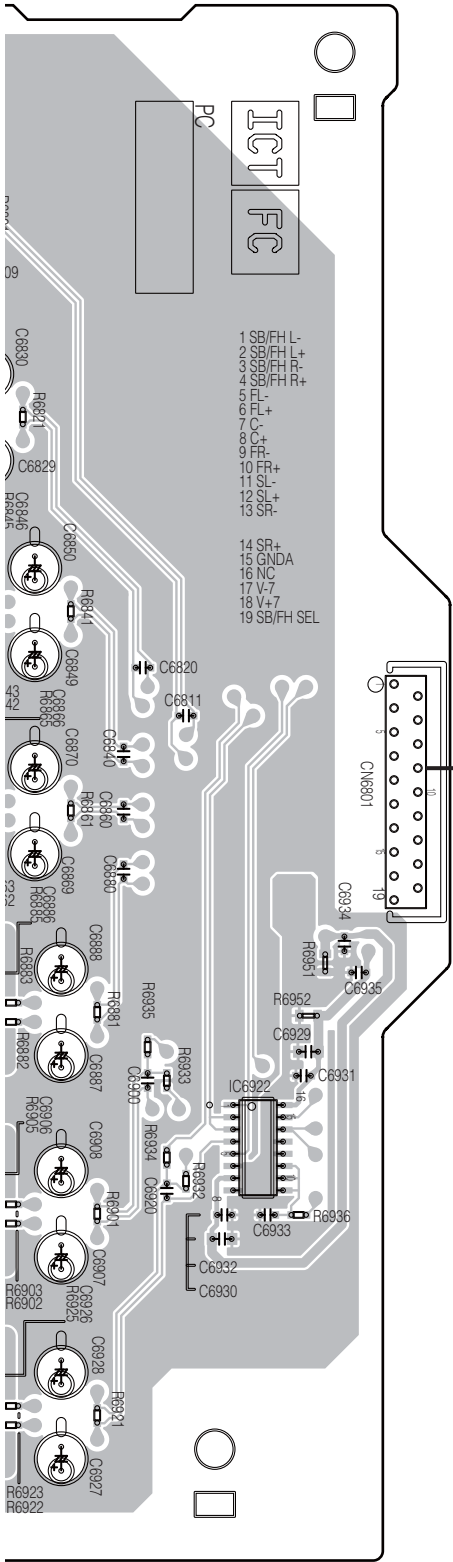
# 11.11 ICE BUFFER ASSY

**SIDE A**

## N ICE BUFFER ASSY



A  
B  
C  
D  
E  
F



(ANP7749-B)

| IC     | Q |
|--------|---|
| IC6801 |   |
| IC6821 |   |
| IC6841 |   |
| IC6861 |   |
| IC6881 |   |
| IC6922 |   |
| IC6901 |   |
| IC6921 |   |

**SIDE B**

# N ICE BUFFER ASSY

A

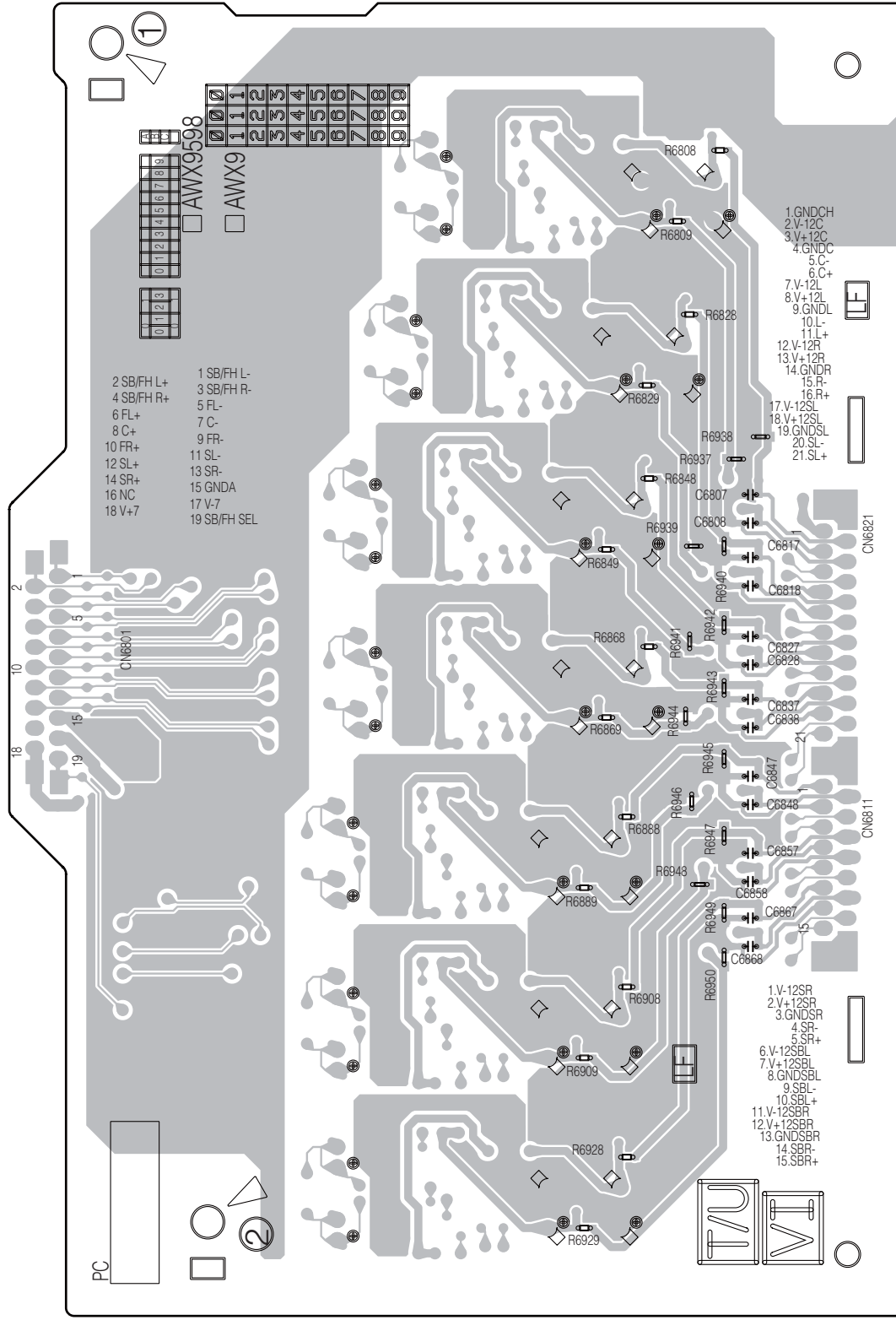
B

C

D

E

F



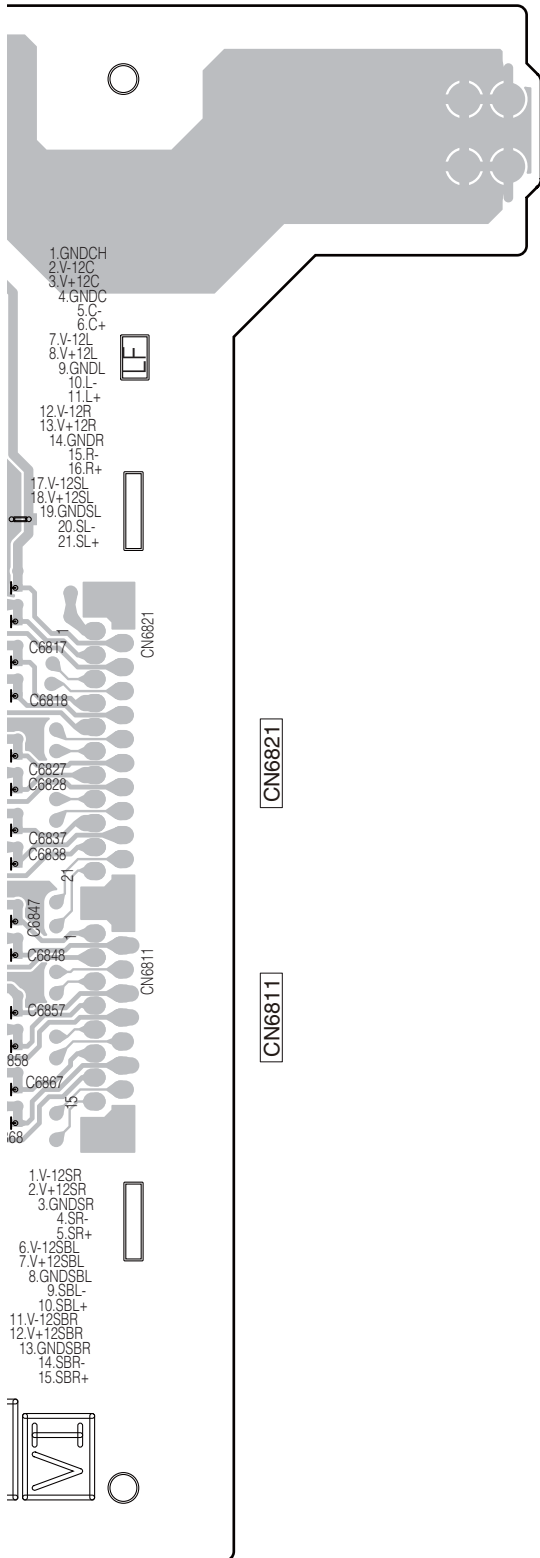
- 2 SB/FH L+
- 4 SB/FH R+
- 6 FL+
- 8 C+
- 10 FR+
- 12 SL+
- 14 SR+
- 16 NC
- 18 V+7
- 1 SB/FH L-
- 3 SB/FH R-
- 5 FL-
- 7 C-
- 9 FR-
- 11 SL-
- 13 SR-
- 15 GNDA
- 17 V-7
- 19 SB/FH SEL

- 1.GNDCH
- 2.V+12C
- 3.V+12C
- 4.GNDCC
- 5.C+
- 6.C+
- 7.V-12L
- 8.V+12L
- 9.GNDL
- 10.L-
- 11.L+
- 12.V-12R
- 13.V+12R
- 14.GNDR
- 15.R+
- 16.R+
- 17.V-12SL
- 18.V+12SL
- 19.GNDSL
- 20.SL-
- 21.SL+

- 1.V-12SR
- 2.V+12SR
- 3.GNDSR
- 4.SR-
- 5.SR+
- 6.V-12SBL
- 7.V+12SBL
- 8.GNDSBL
- 9.SBL-
- 10.SBL+
- 11.V-12SBR
- 12.V+12SBR
- 13.GNDSBR
- 14.SBR-
- 15.SBR+

SIDE B

A  
B  
C  
D  
E  
F



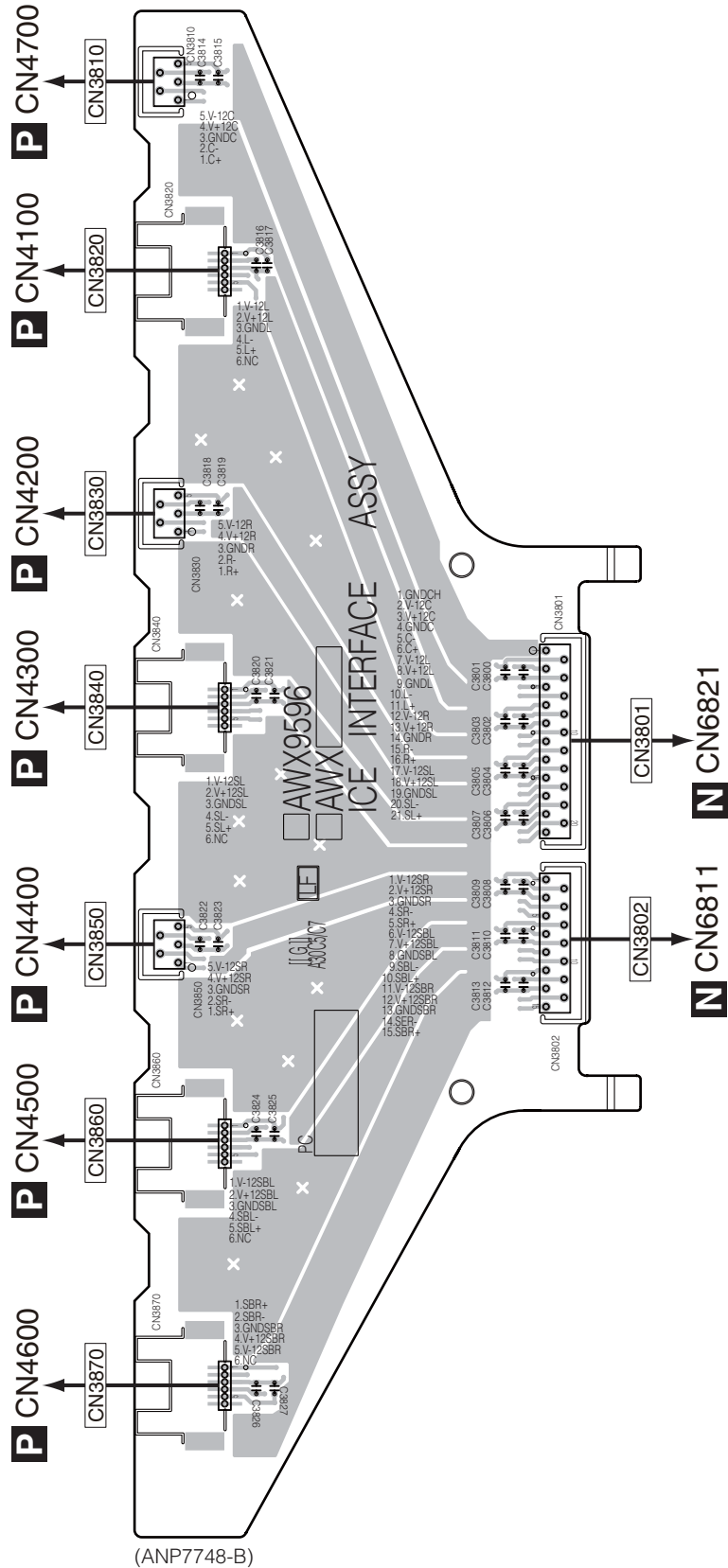
(ANP7749-B)

# 11.12 ICE INTERFACE ASSY

SIDE A

SIDE A

## ICE INTERFACE ASSY



(ANP7748-B)

SIDE B

SIDE B

# O ICE INTERFACE ASSY

A

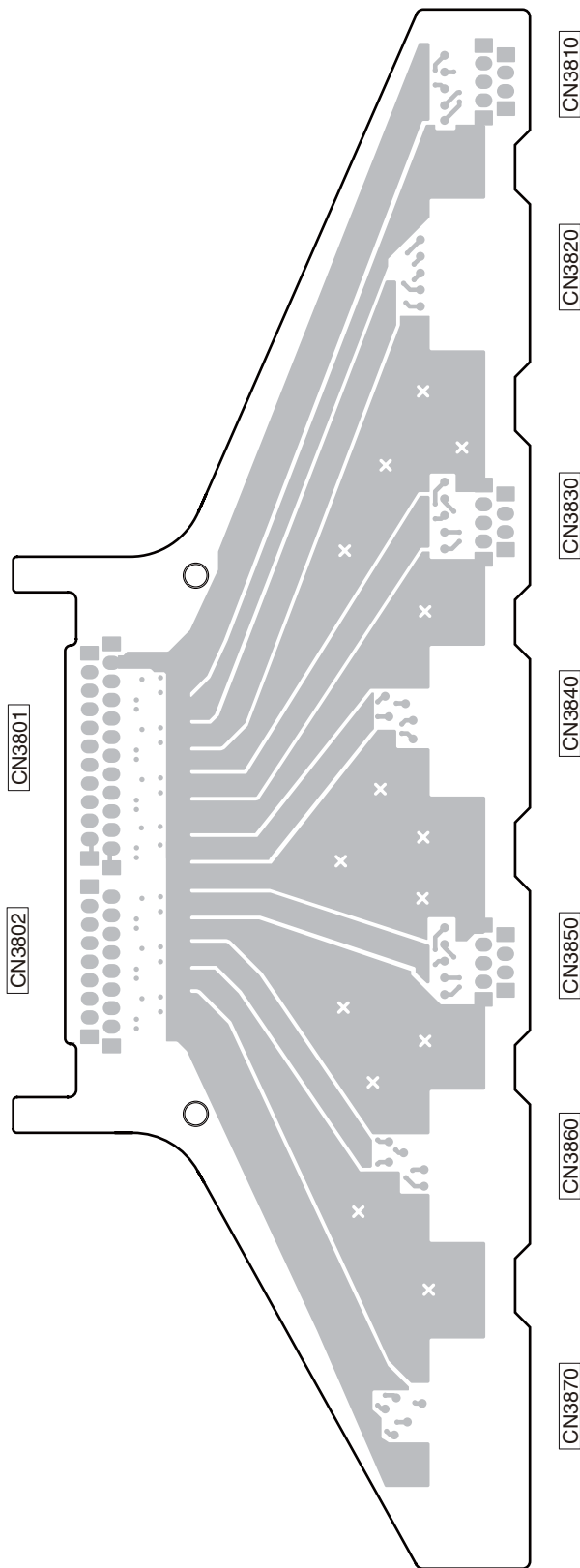
B

C

D

E

F



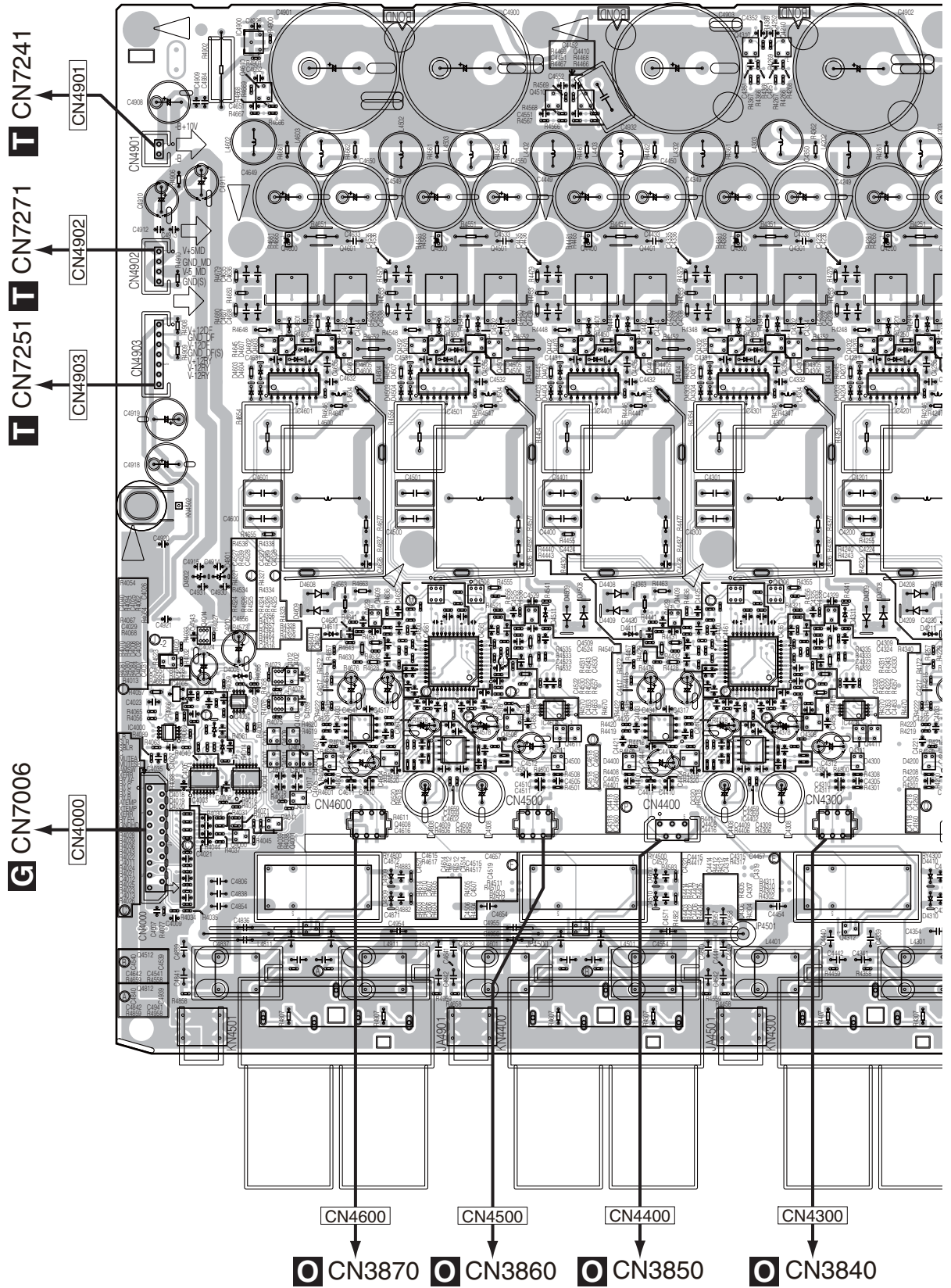
(ANP7748-B)



11.13 ICEPOWER AMP ASSY

SIDE A

P ICEPOWER AMP ASSY



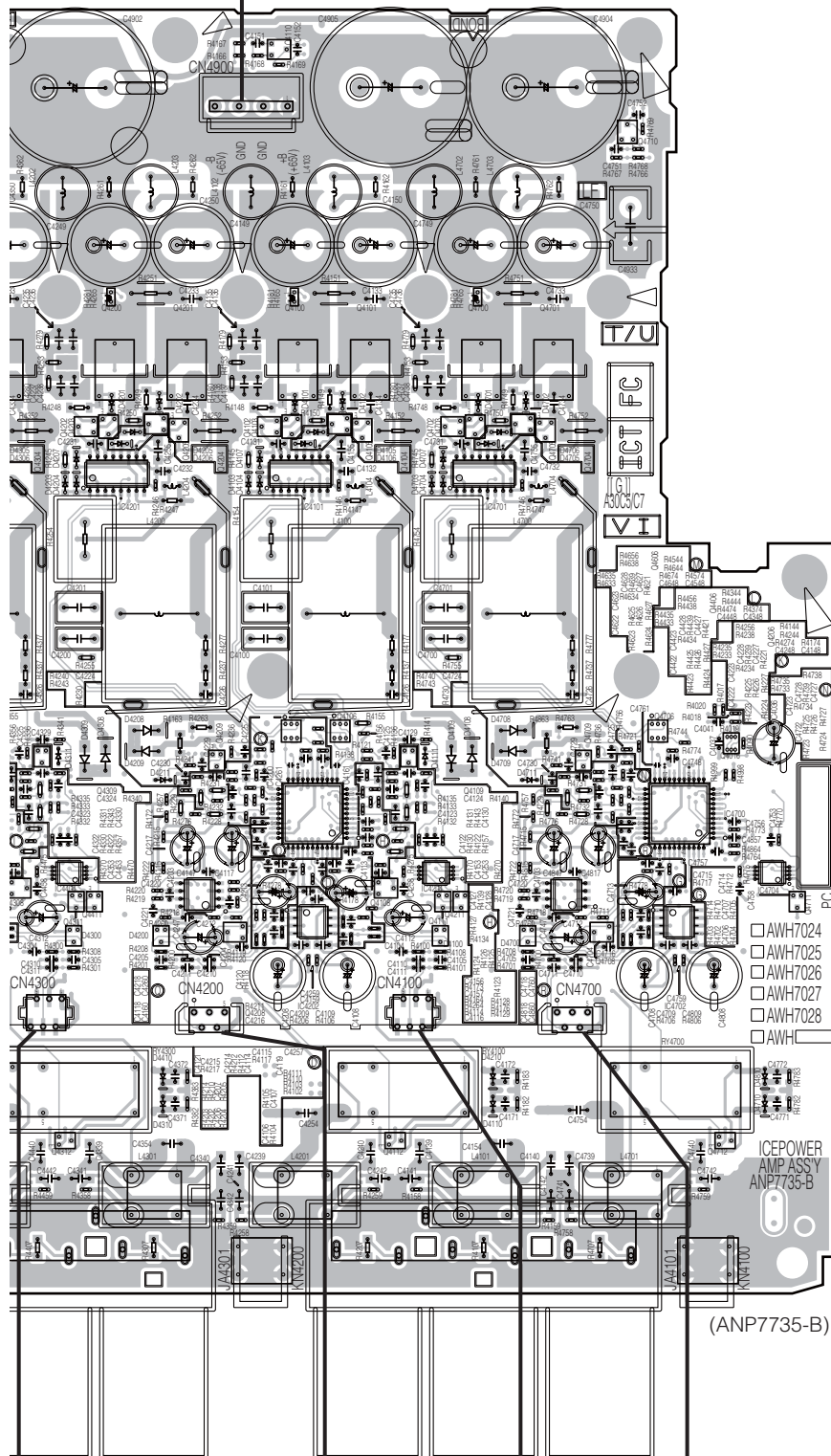
P

SIDE A

A  
B  
C  
D  
E  
F

U CN7303

CN4900



| IC                                   | Q  |
|--------------------------------------|--|
| IC4900                               | Q4310 Q4210<br>Q4410 Q4110<br>Q4610  |
|                                      | Q4510  |
|                                      | Q4710  |
|                                      | Q4600 Q4301<br>Q4601 Q4200<br>Q4500 Q4201<br>Q4501 Q4100<br>Q4400 Q4101<br>Q4401 Q4700<br>Q4300 Q4701  |
| IC4601<br>IC4501<br>IC4401<br>IC4301 | IC4201<br>IC4101<br>IC4701   |
|                                      | Q4602 Q4305<br>Q4603 Q4304<br>Q4605 Q4202<br>Q4604 Q4203<br>Q4502 Q4205<br>Q4503 Q4204<br>Q4505 Q4102<br>Q4504 Q4103<br>Q4402 Q4105<br>Q4403 Q4104<br>Q4405 Q4702<br>Q4404 Q4703<br>Q4302 Q4705<br>Q4303 Q4704 |
|                                      | Q4606<br>Q4406<br>Q4206<br>Q4306<br>Q4309<br>Q4209<br>Q4106<br>Q4109<br>Q4020<br>Q4709<br>Q4014<br>Q4012<br>Q4706<br>Q4002<br>Q4016<br>Q4609<br>Q4506<br>Q4509<br>Q4409  |
| IC4600<br>IC4400                     | IC4200   |
|                                      | IC4700   |
| IC4005                               | Q4013<br>Q4003<br>Q4005<br>Q4009<br>Q4007<br>Q4308<br>Q4011<br>Q4411<br>Q4019<br>Q4311<br>Q4108<br>Q4508<br>Q4211<br>Q4511<br>Q4111<br>Q4611<br>Q4711<br>Q4000<br>Q4708<br>Q4001<br>Q4208<br>Q4608<br>Q4408    |
| IC4003<br>IC4004<br>IC4602<br>IC4402 | IC4202<br>IC4702   |
|                                      | Q4312<br>Q4112<br>Q4712  |
|                                      | Q4512  |
|                                      | Q4812  |

- AWH7024
- AWH7025
- AWH7026
- AWH7027
- AWH7028
- AWH

ICEPOWER  
AMP ASS'Y  
ANP7735-B

(ANP7735-B)

4300  
N3840

CN4200  
CN3830

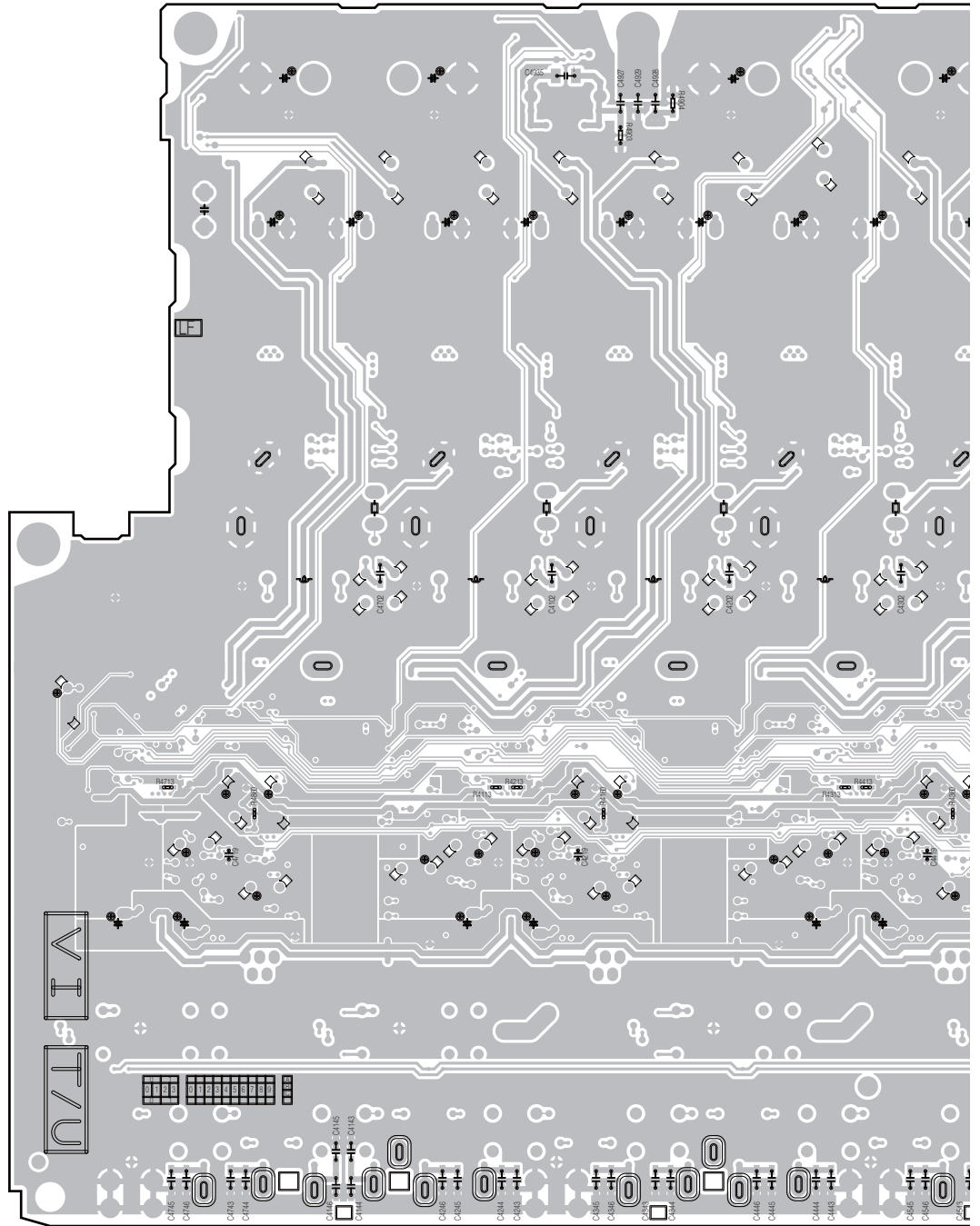
CN4100  
CN3820

CN4700  
CN3810

**SIDE B**

**P ICEPOWER AMP ASSY**

CN4900



CN4700

CN4100

CN4200

CN4300

CN4400

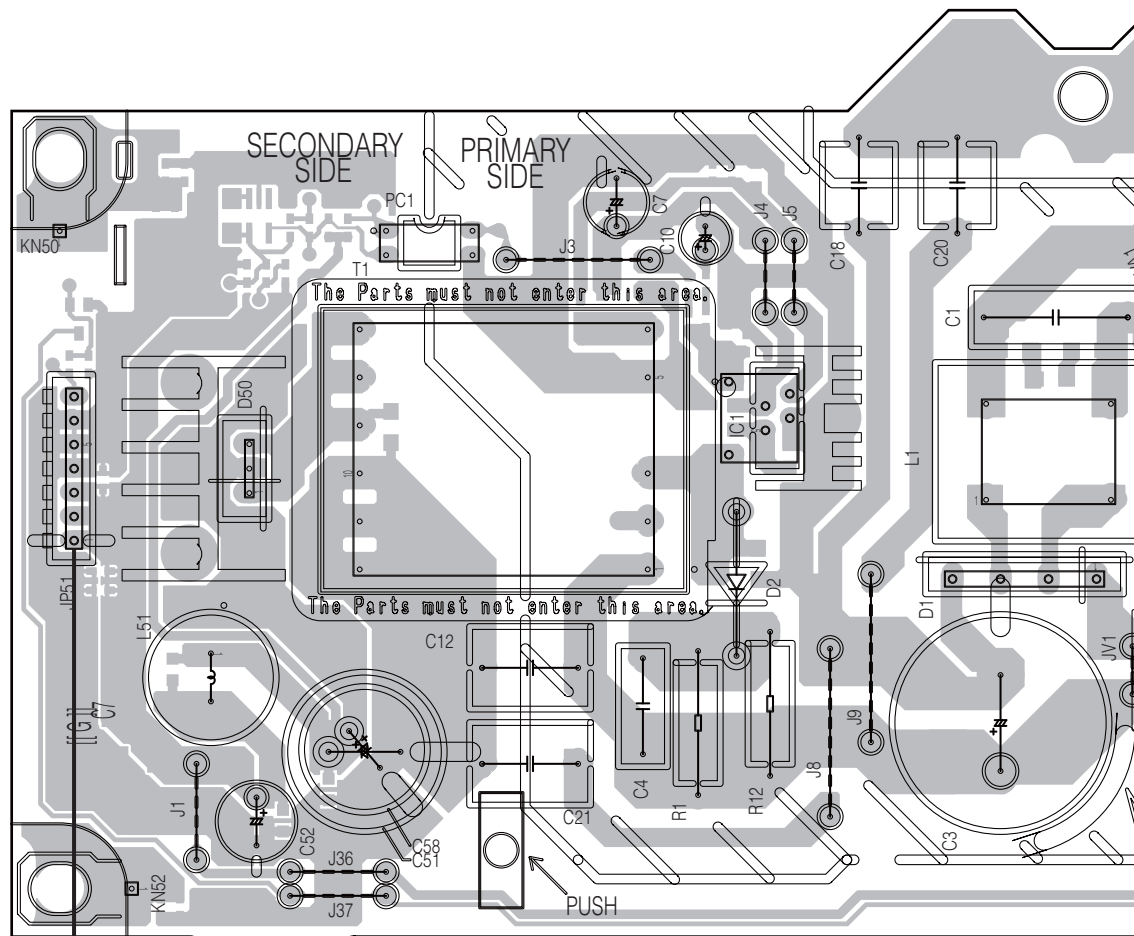
**P**



# 11.14 PRIMARY ASSY

**SIDE A**

## **Q** PRIMARY ASSY



**F** CN9801



SIDE A

A

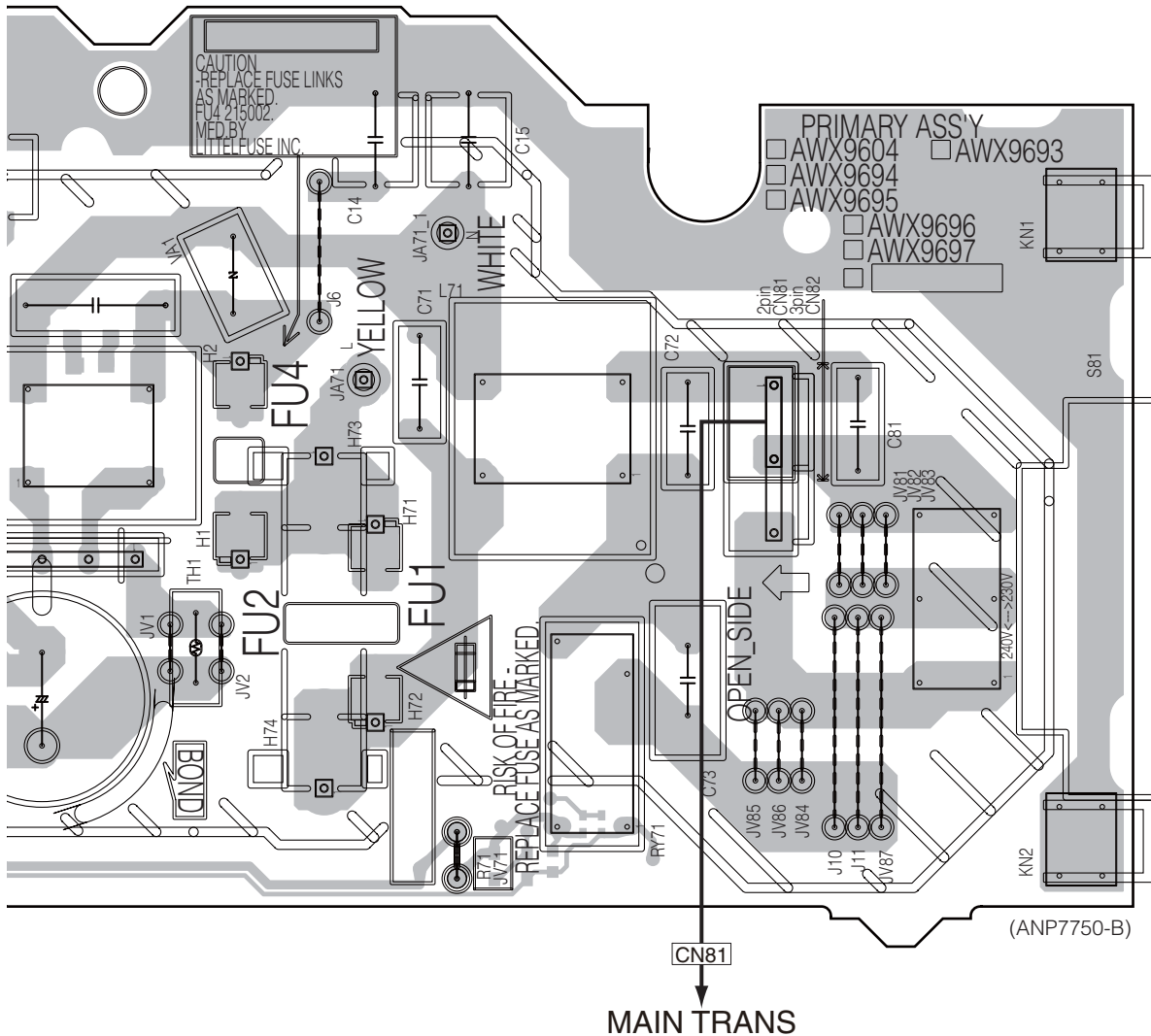
B

C

D

E

F



**SIDE B**

A

**Q PRIMARY ASSY**

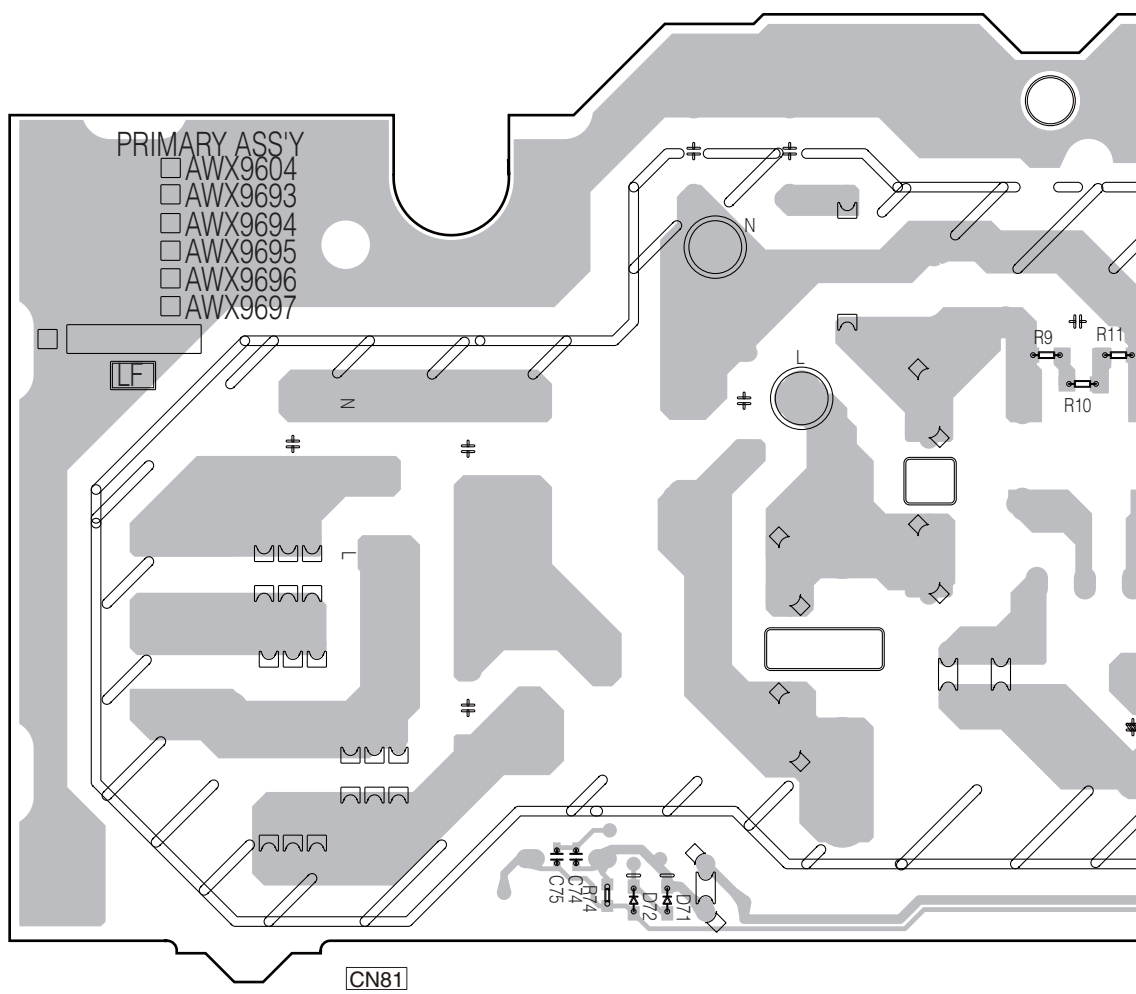
B

C

D

E

F



SIDE B

A

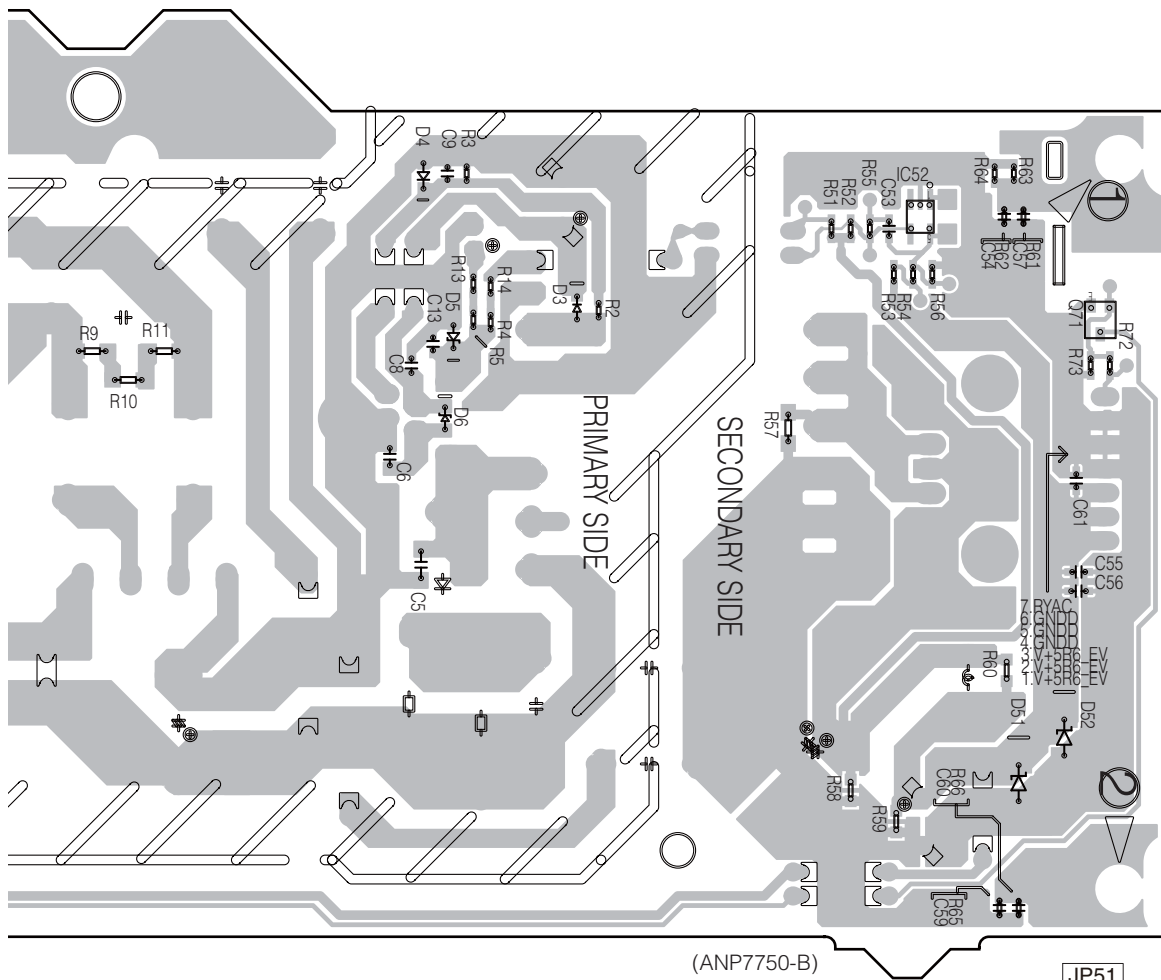
B

C

D

E

F



IC  
IC52  
Q71

(ANP7750-B)

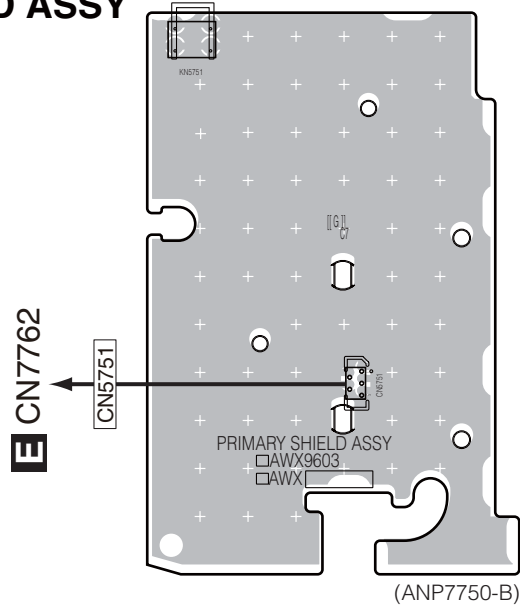
JP51



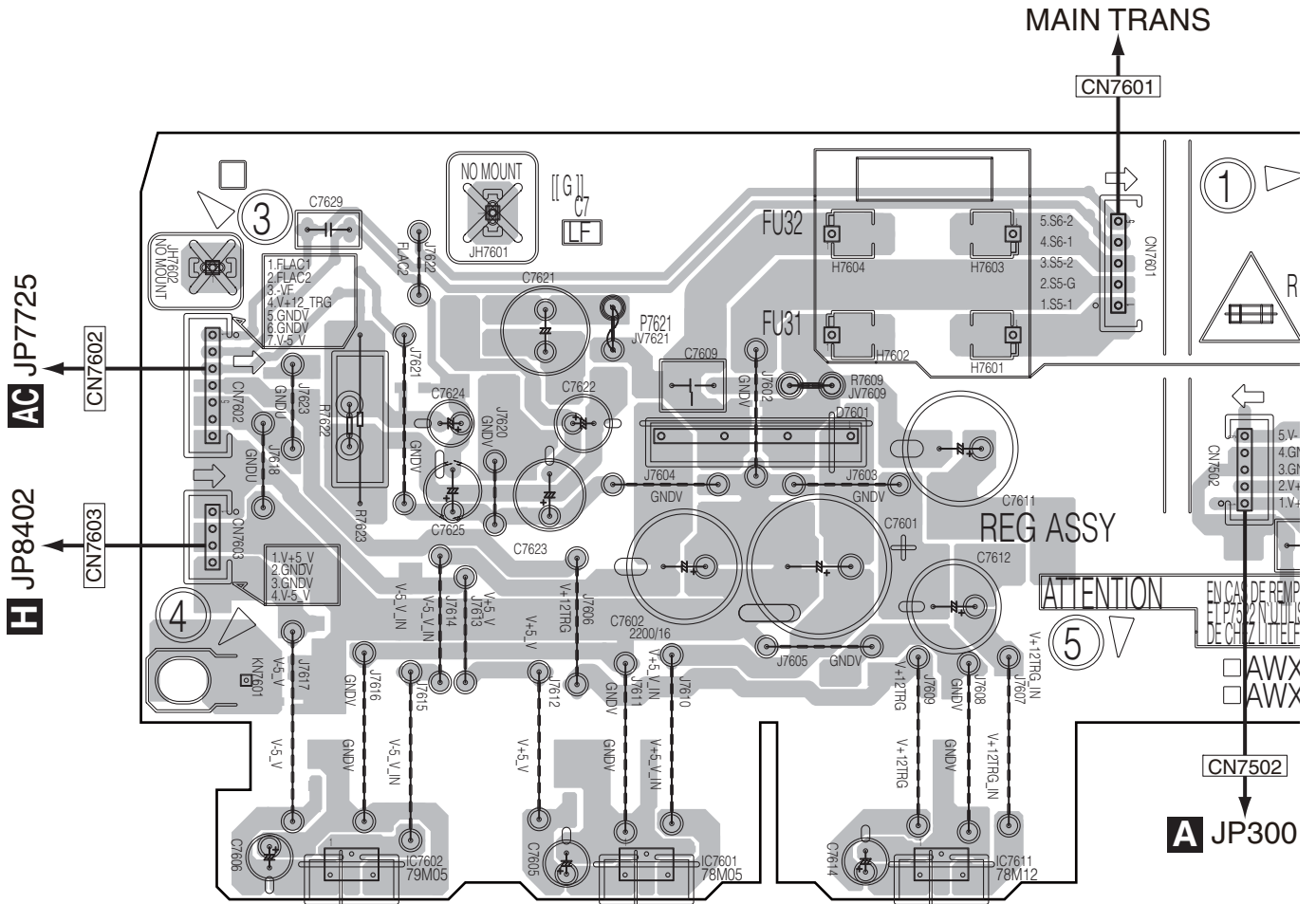
# 11.15 PRIMARY SHIELD and REG ASSYS

**SIDE A**

## **R** PRIMARY SHIELD ASSY



## **S** REG ASSY



**R S**

SIDE A

A

B

C

D

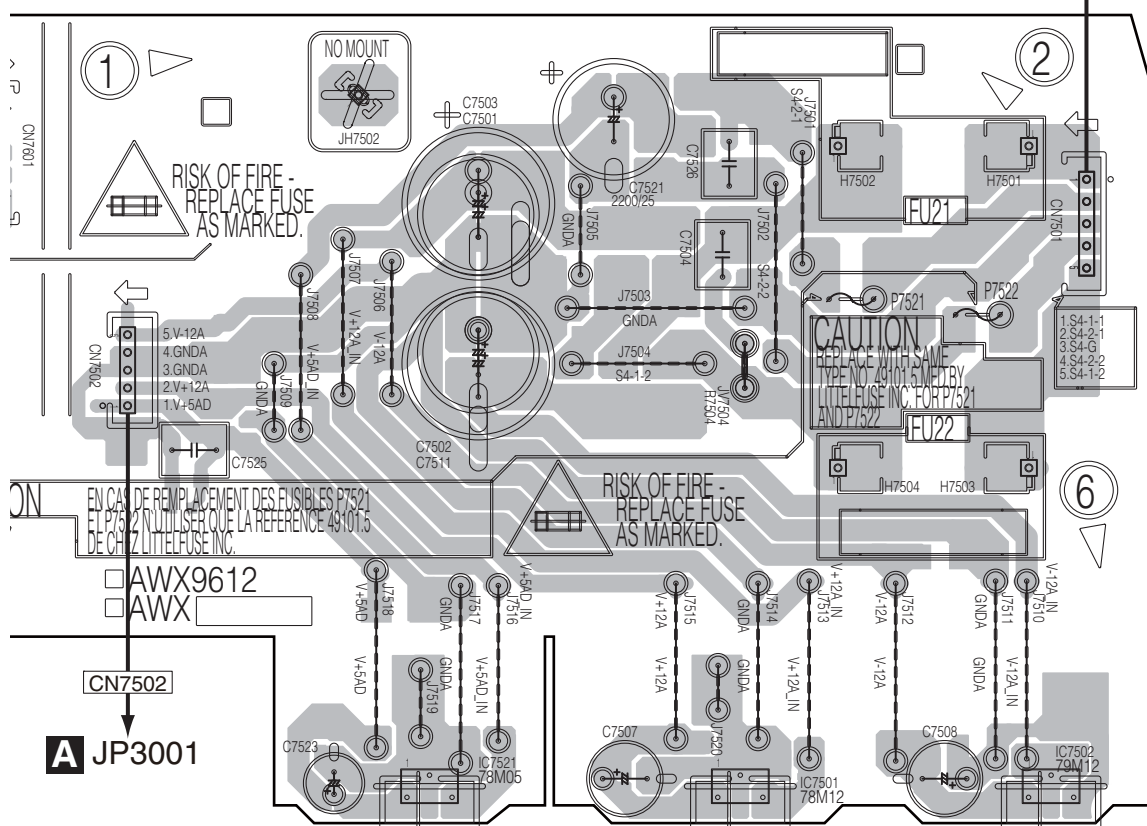
E

F

TRANS

MAIN TRANS

01



1

RISK OF FIRE -  
REPLACE FUSE  
AS MARKED.

NO MOUNT  
JH7502

CAUTION  
REPLACE WITH SAME  
TYPE NO. 49101 SWEETBY  
LITTELEUSE INC. FOR P7521  
AND P7522

RISK OF FIRE -  
REPLACE FUSE  
AS MARKED.

EN CAS DE REMPLACEMENT DES FUSIBLES P7521  
ET P7522 N'UTILISER QUE LA REFERENCE 49101.5  
DE CHEZ LITTELEUSE INC.

AWX9612  
AWX

A JP3001

IC7521  
IC7602 IC7501  
IC7601 IC7502  
IC7611

(ANP7752-B)

SC-37

R S

**SIDE B**

A

B

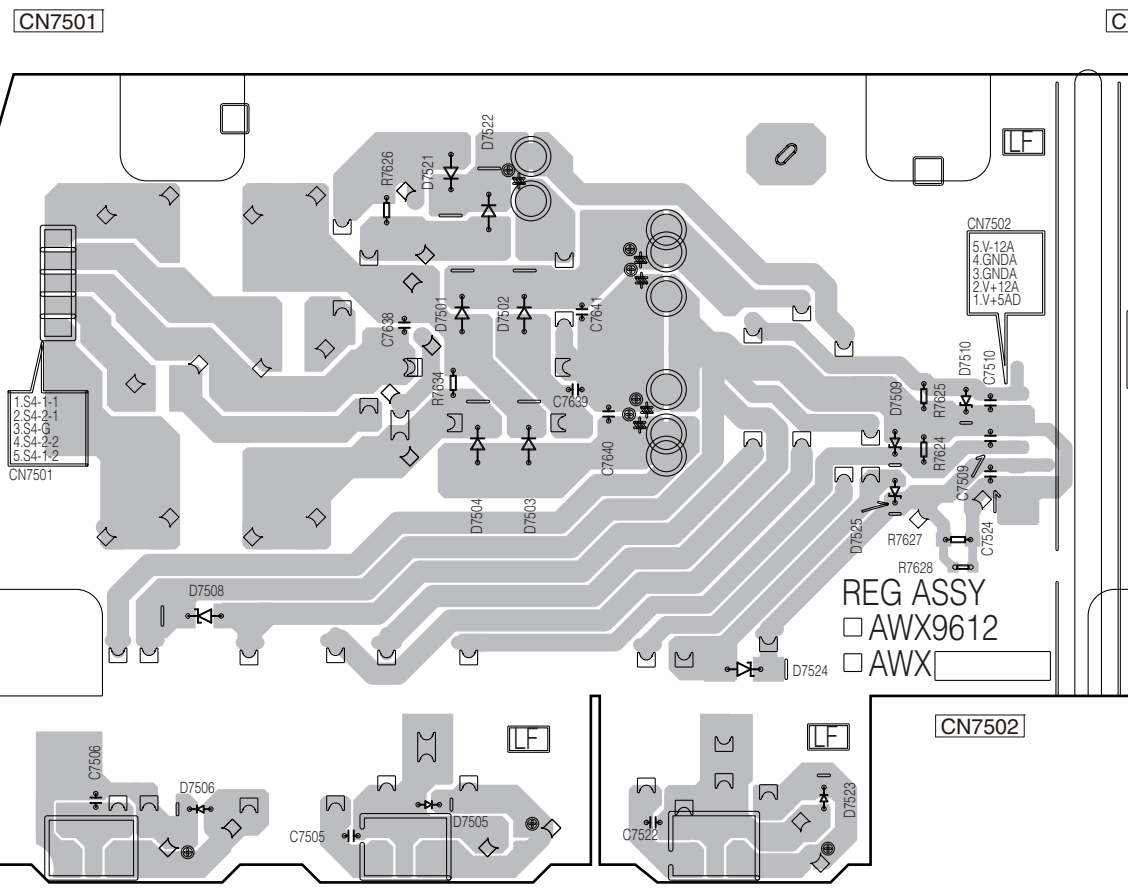
C

**S REG ASSY**

D

E

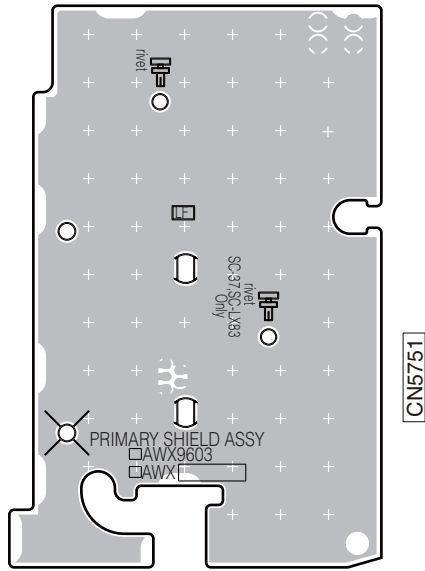
F



**R S**

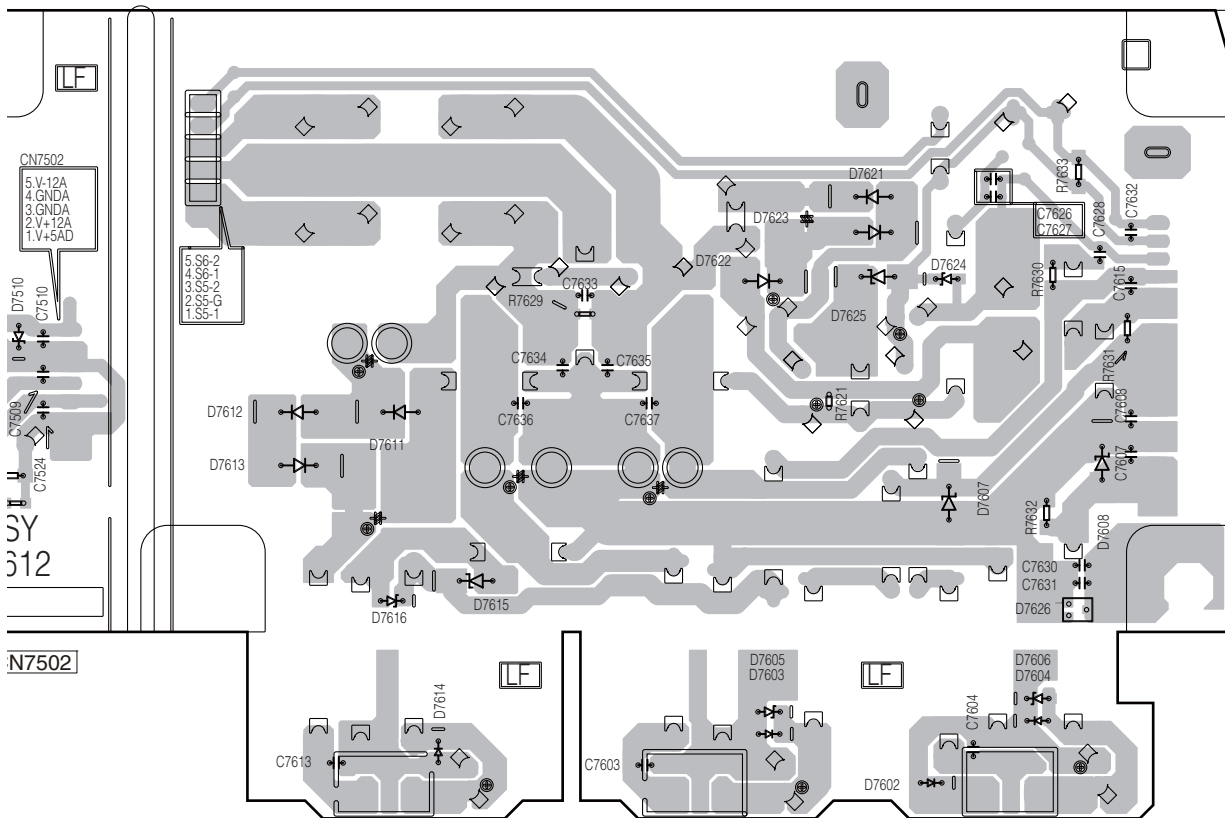
**SIDE B**

# **R** PRIMARY SHIELD ASSY



(ANP7750-B)

CN7601



(ANP7752-B)

SC-37

**R S**

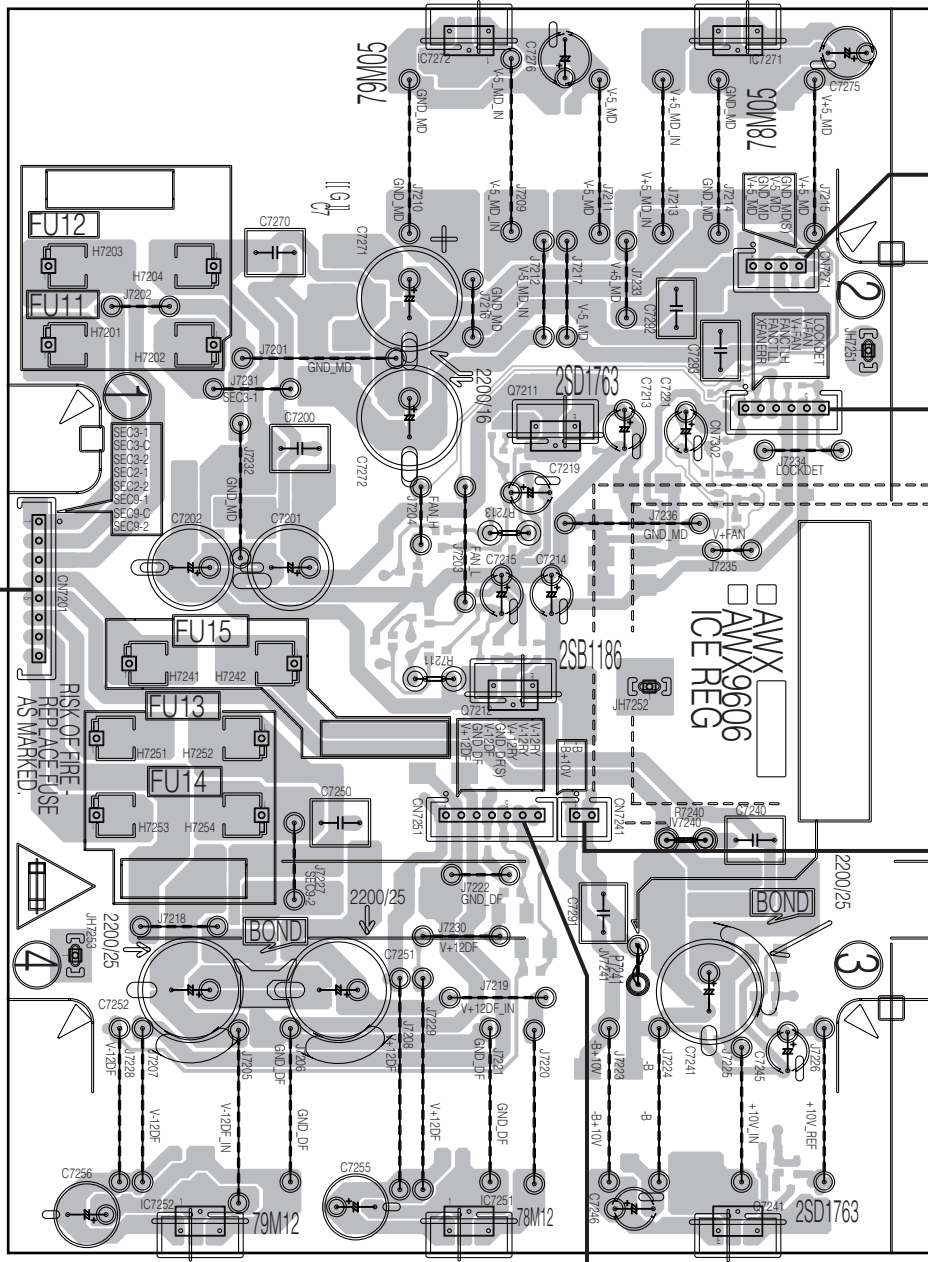
11.16 ICE REG ASSY

SIDE A

SIDE A

T ICE REG ASSY

MAIN TRANS



P CN4903

SC-37

T

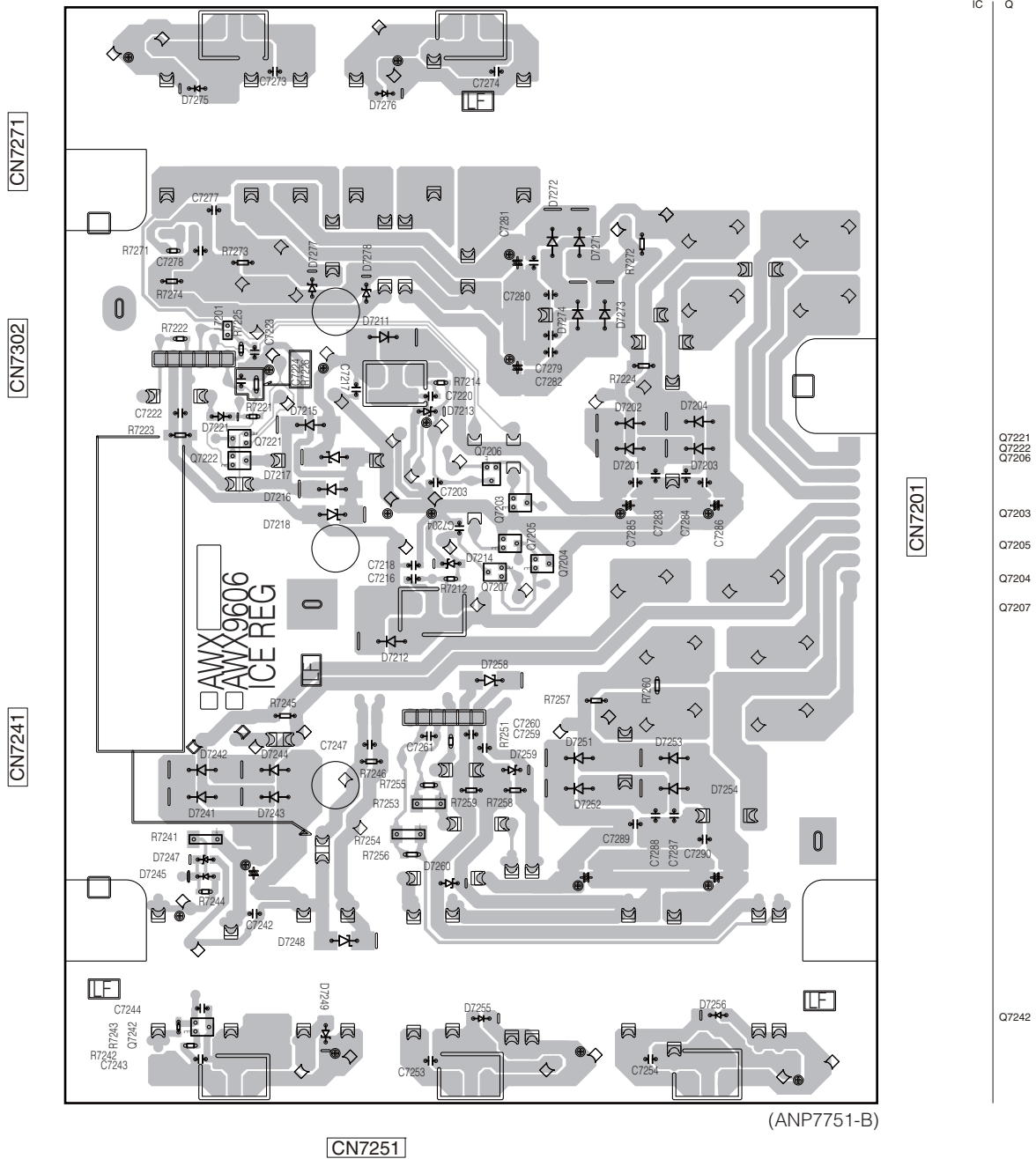
T

250

SIDE B

SIDE B

# T ICE REG ASSY



(ANP7751-B)

T

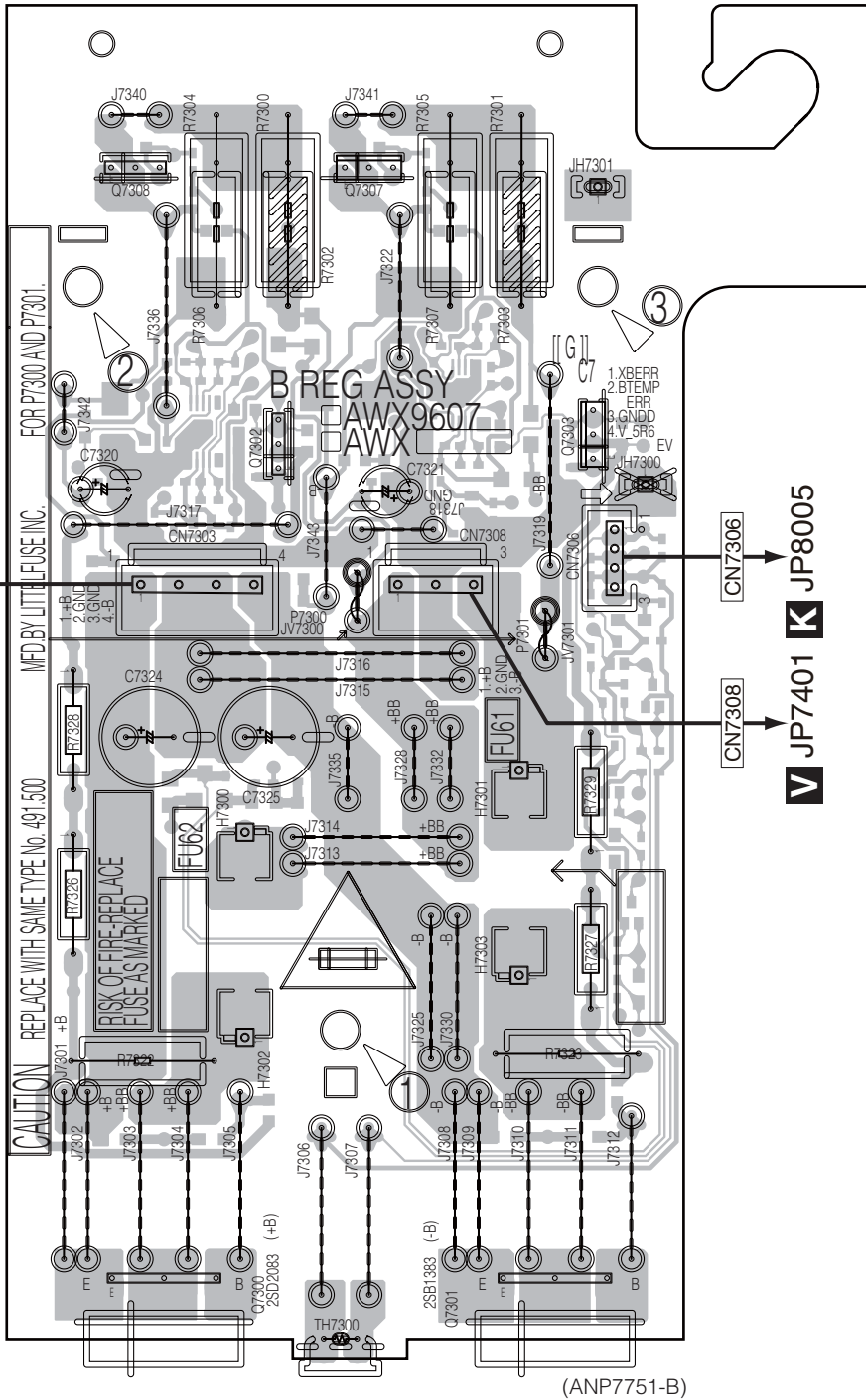
T

11.17 B REG ASSY

SIDE A

SIDE A

**U** B REG ASSY



**P** CN4900

CN7303

CN7306

**V** JP7401 **K** JP8005

CN7308

**U**

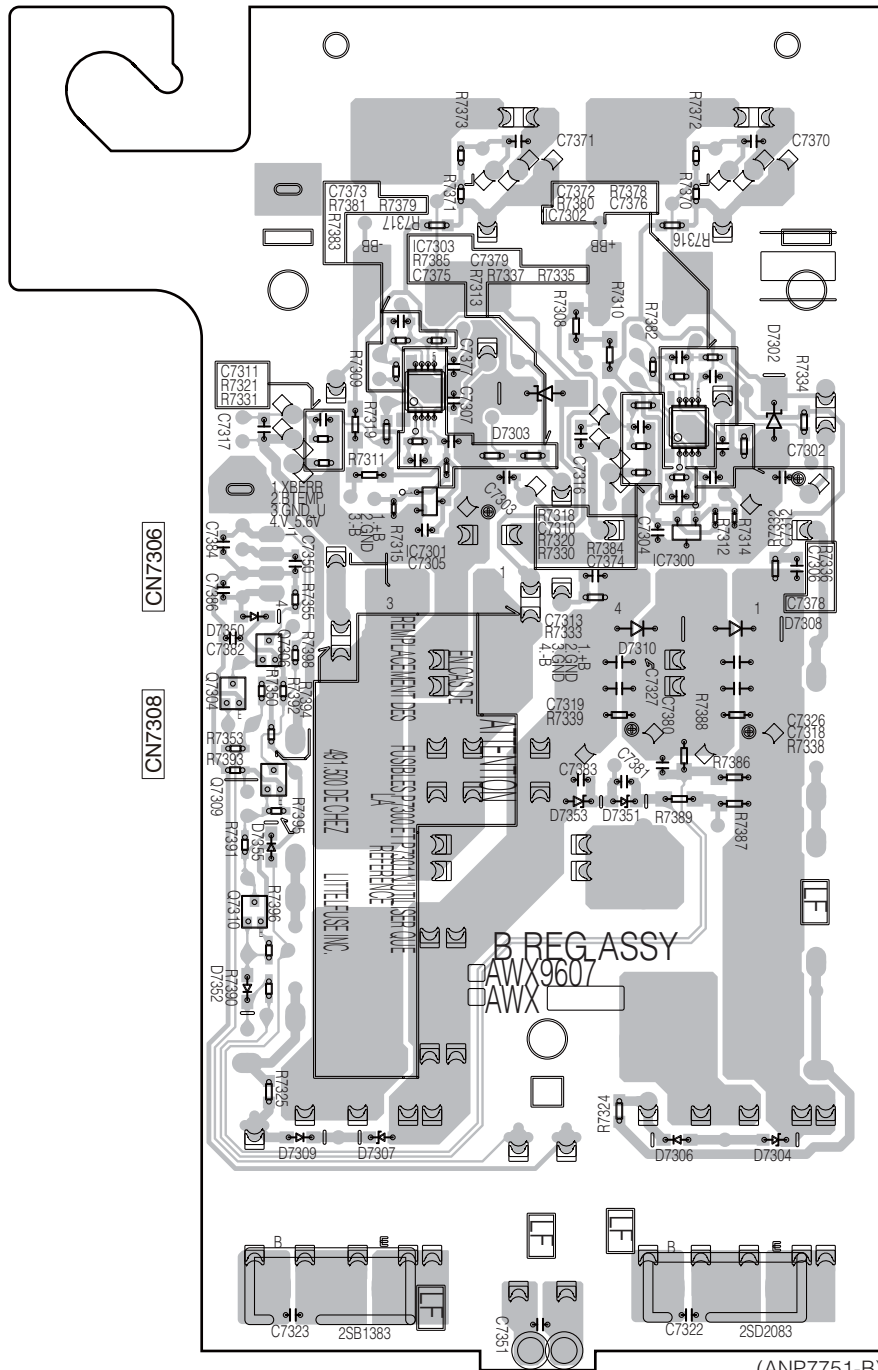
**U**

SIDE B

SIDE B

A

# U B REG ASSY



IC Q

IC7302  
IC7303

IC7300  
IC7301

Q7306

Q7304

Q7309

Q7310

(ANP7751-B)

B

C

D

E

F

U

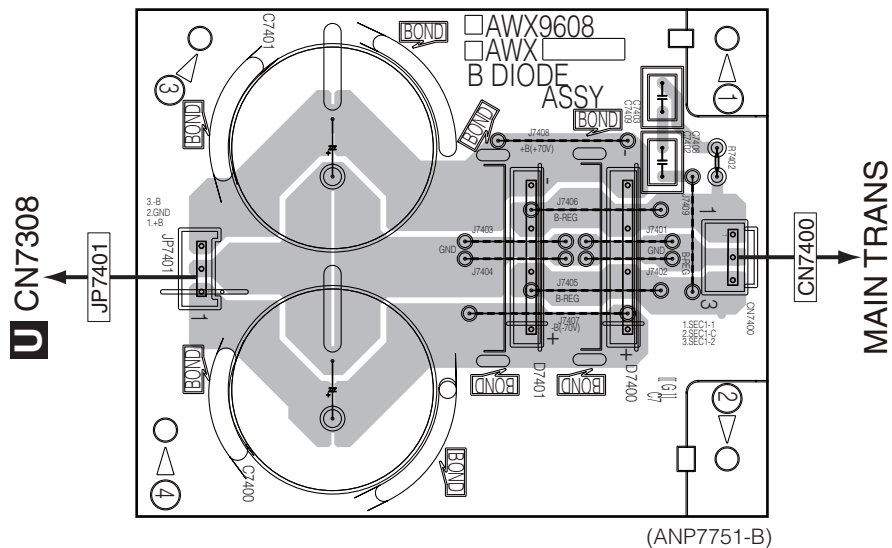
U

# 11.18 B DIODE and CONNECT ASSYS

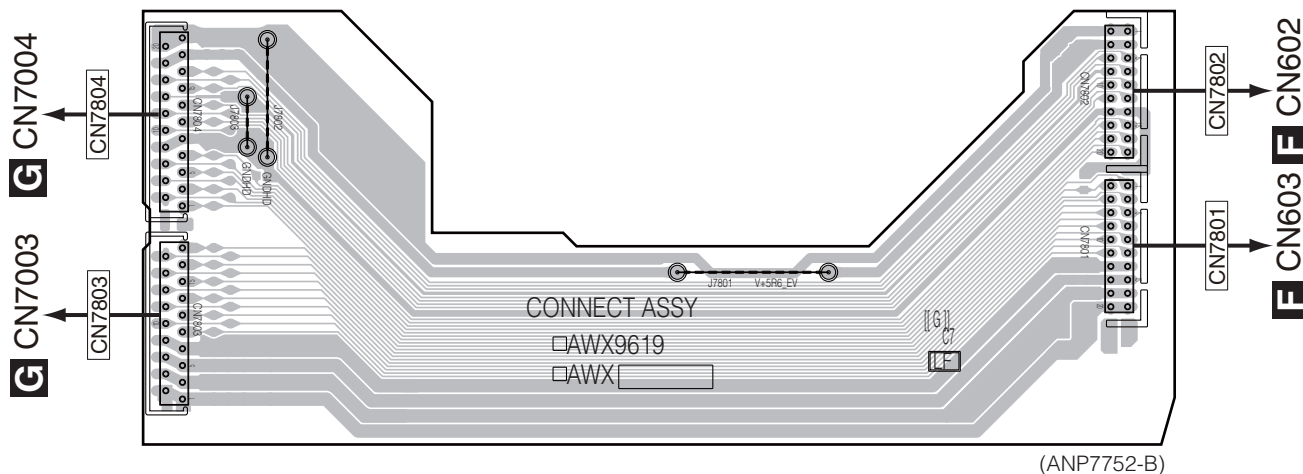
SIDE A

SIDE A

## V B DIODE ASSY



## W CONNECT ASSY



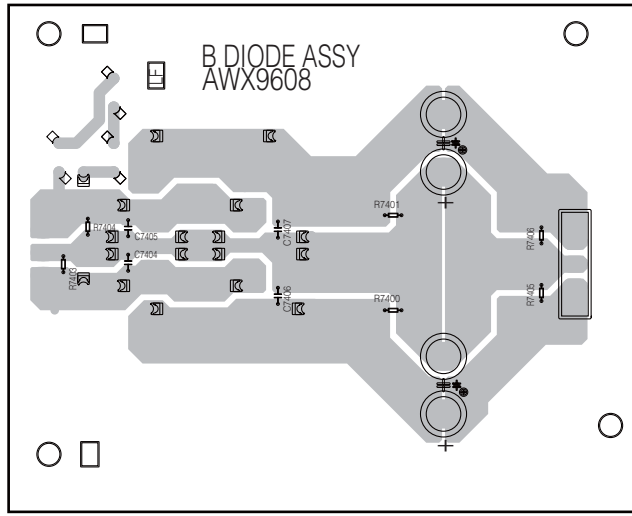
V W

V W

SIDE B

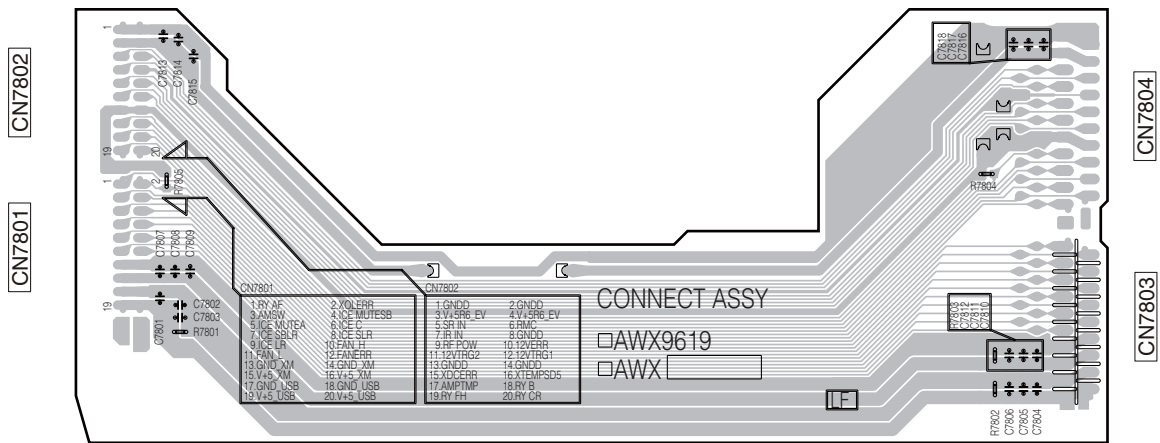
SIDE B

# V B DIODE ASSY



(ANP7751-B)

# W CONNECT ASSY



(ANP7752-B)

V W

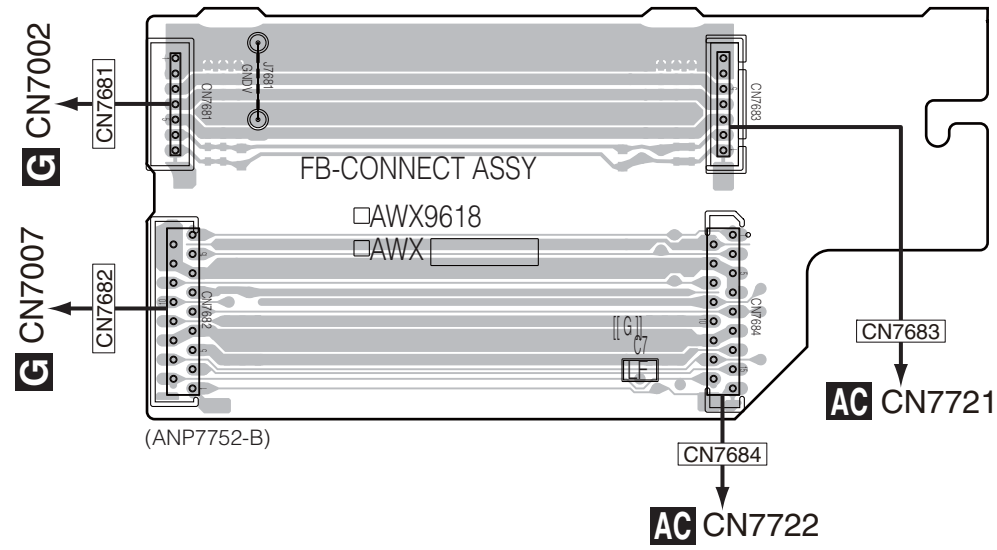
V W

# 11.19 FB-CONNECT, PRE BRIDGE and A-DAC BRIDGE ASSYS

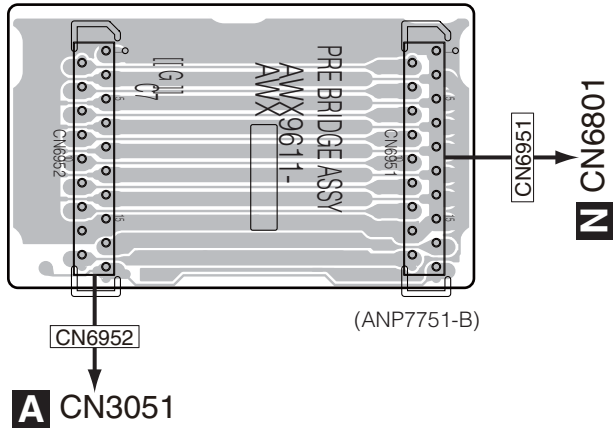
**SIDE A**

**SIDE A**

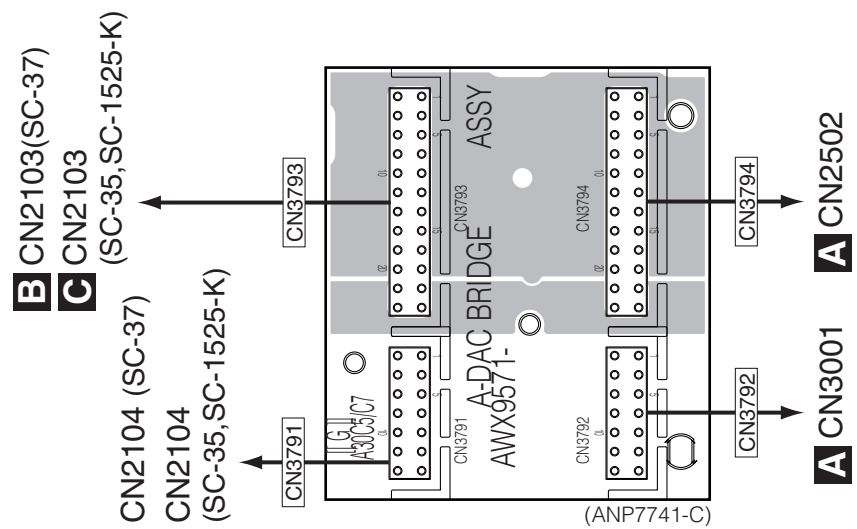
## **X** FB-CONNECT ASSY



## **Y** PRE BRIDGE ASSY



## **Z** A-DAC BRIDGE ASSY



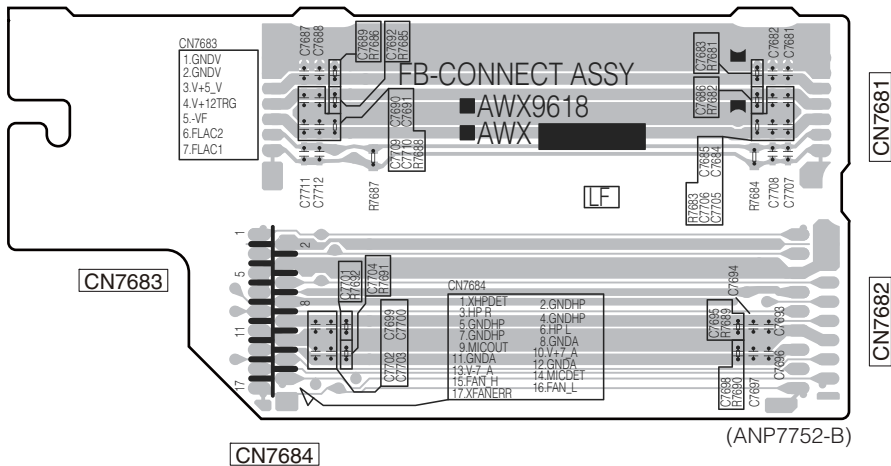
**X Y Z**

**X Y Z**

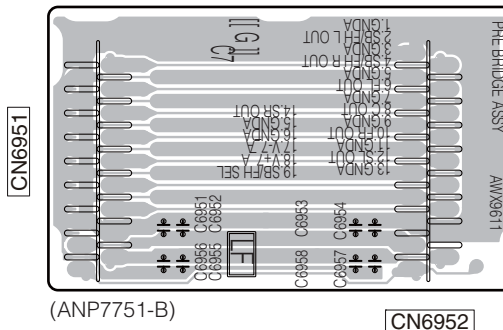
SIDE B

SIDE B

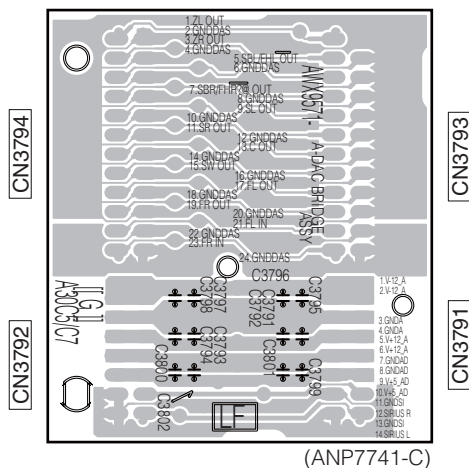
# X FB CONNECT ASSY



# Y PRE BRIDGE ASSY



# Z A-DAC BRIDGE ASSY



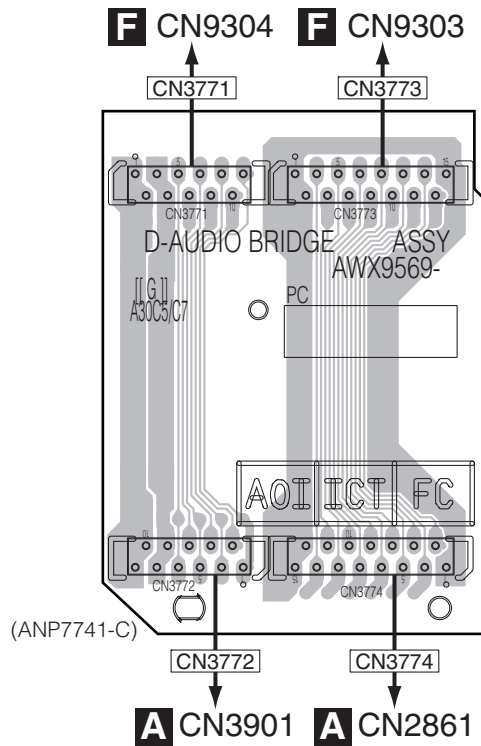
X Y Z

X Y Z

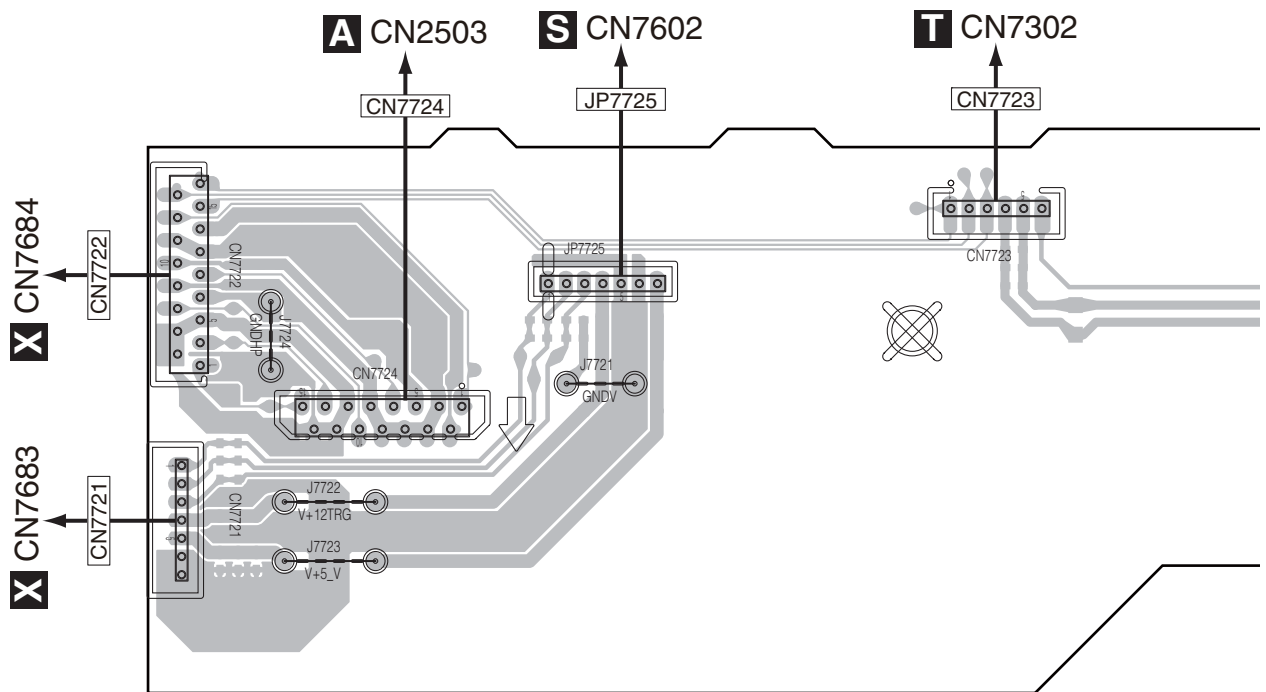
# 11.20 D-AUDIO BRIDGE, D-DAC BRIDGE and FRONT BRIDGE ASSYS

**SIDE A**

## **AA** D-AUDIO BRIDGE ASSY

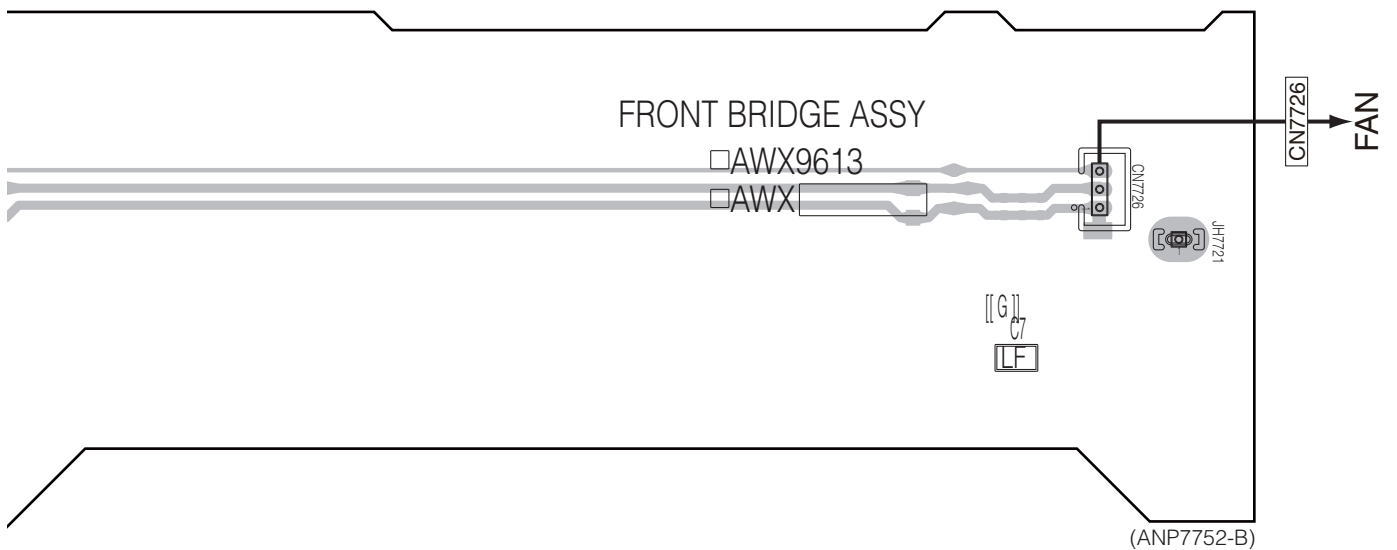
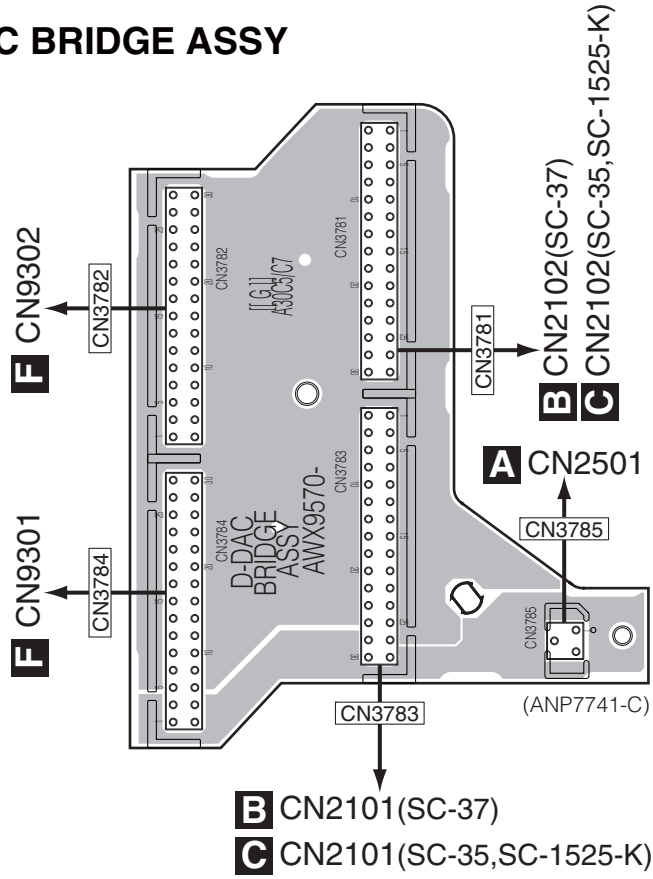


## **AC** FRONT BRIDGE ASSY



**AA AB AC**

**AB** D-DAC BRIDGE ASSY



**SIDE A**

A  
 B  
 C  
 D  
 E  
 F

**AA** **AB** **AC**

SC-37

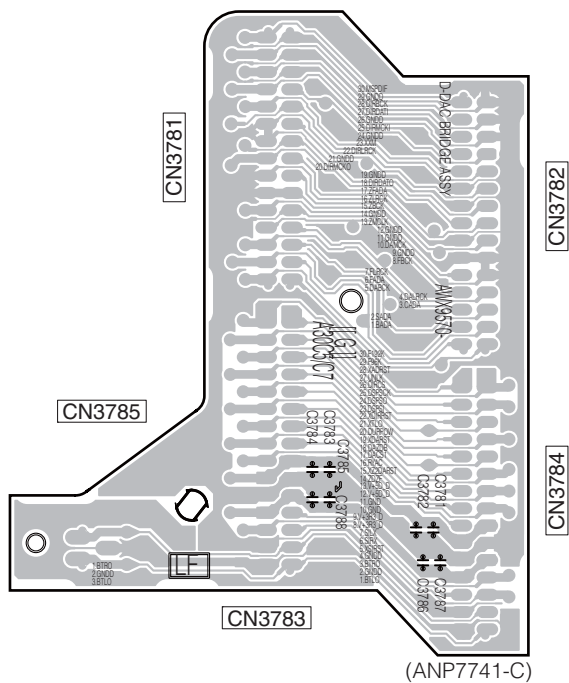
**SIDE B**

A

**AB D-DAC BRIDGE ASSY**

B

C

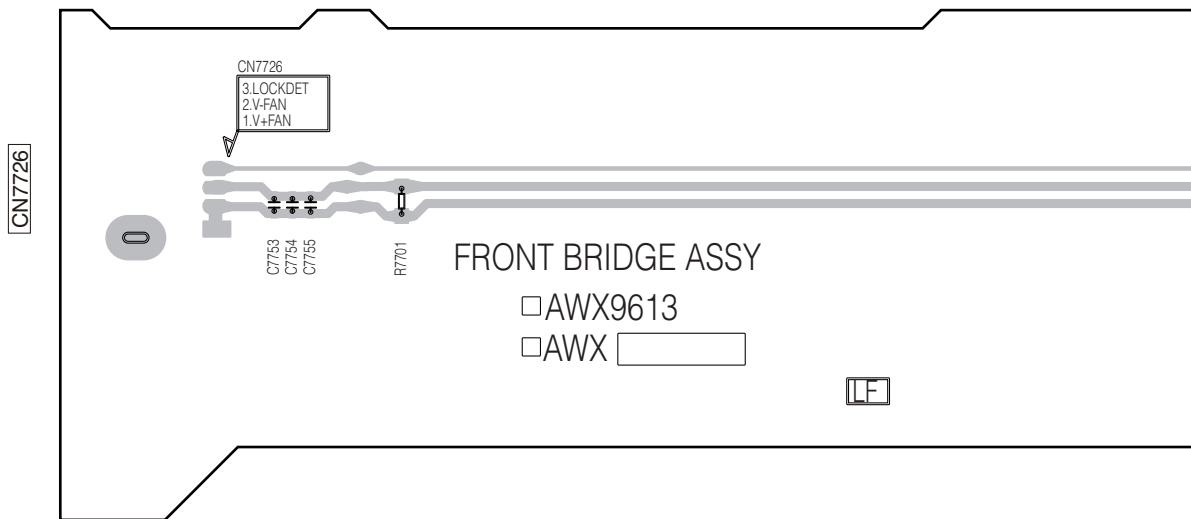


**AC FRONT BRIDGE ASSY**

D

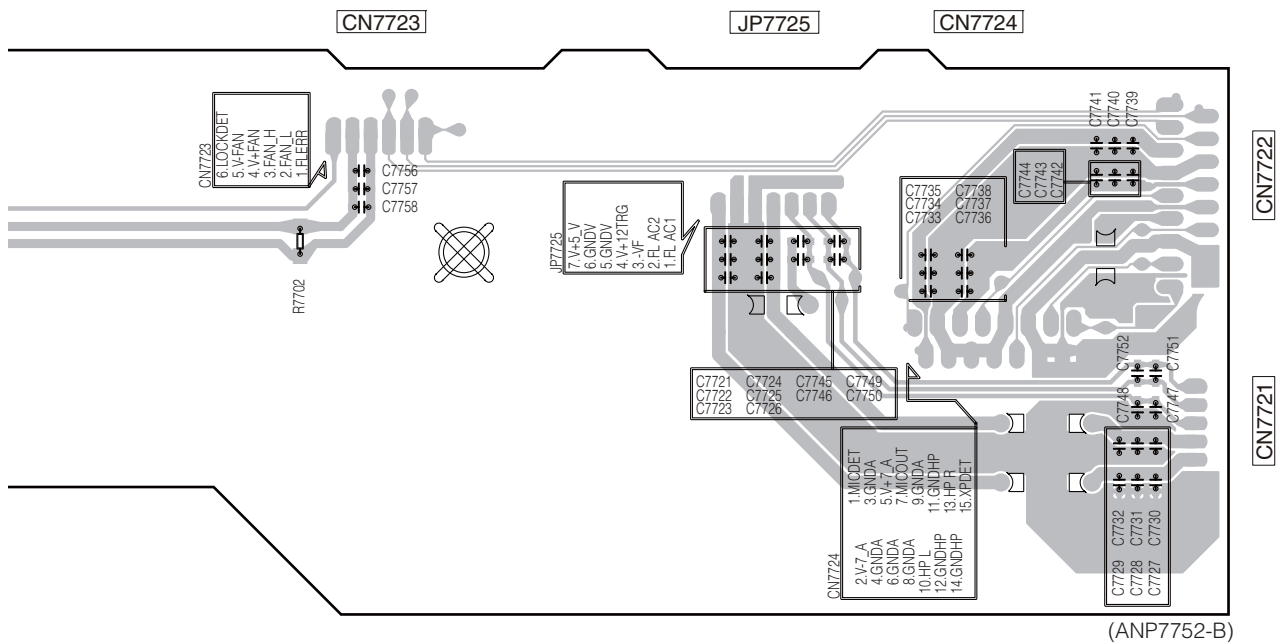
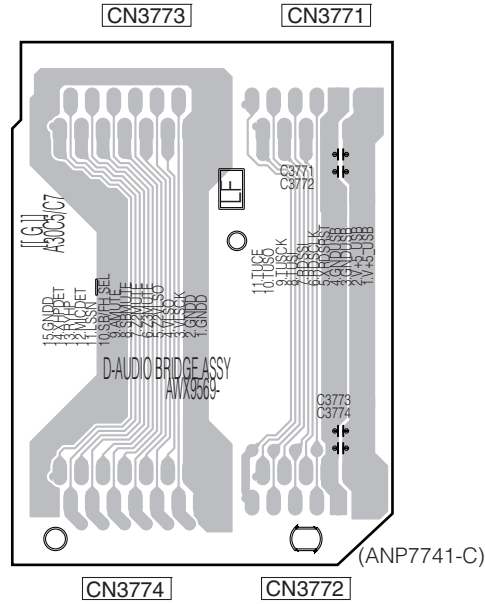
E

F



SIDE B

# AA D-AUDIO BRIDGE ASSY

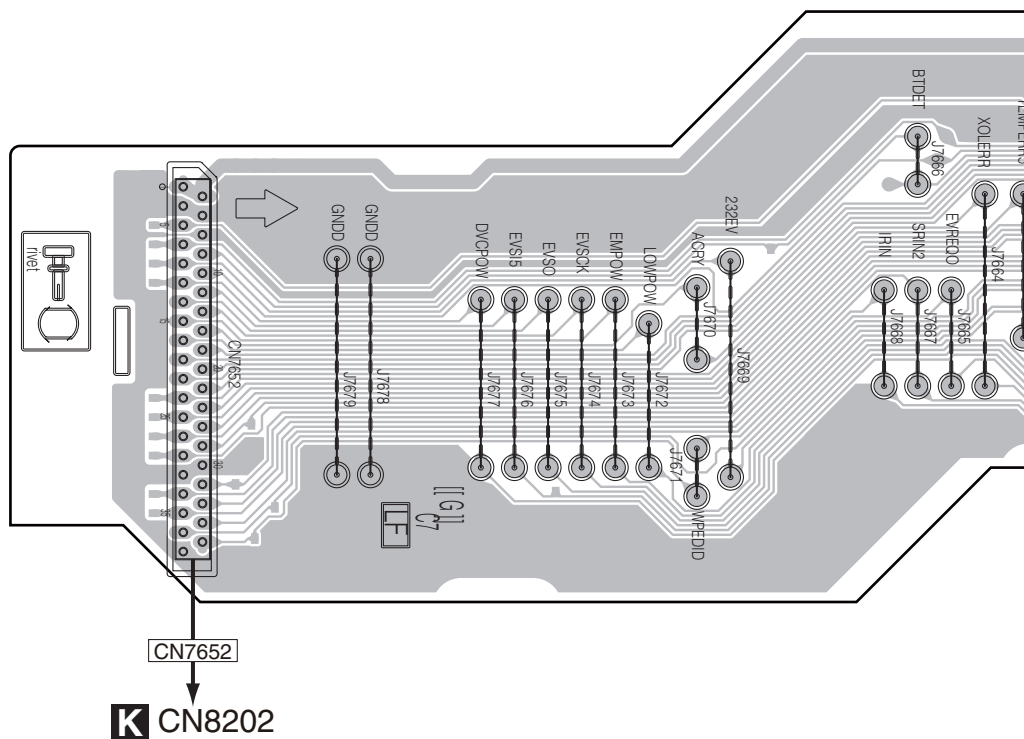


AA AB AC

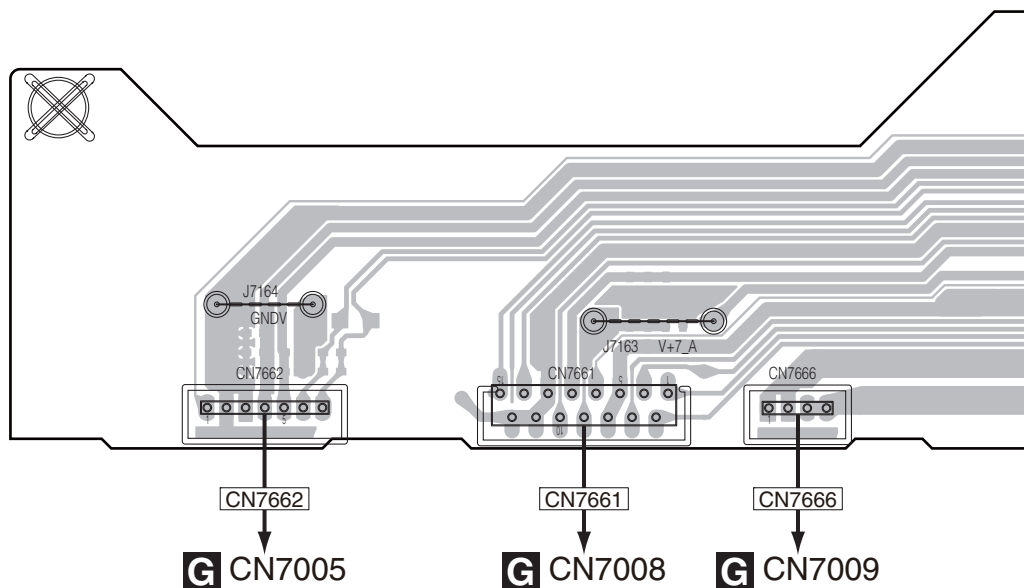
11.21 DISPLAY BRIDGE and F-IN BRIDGE ASSYS

SIDE A

AD DISPLAY BRIDGE ASSY



AE F-IN BRIDGE ASSY



AD AE

262

SC-37

1

2

3

4





**SIDE B**

A

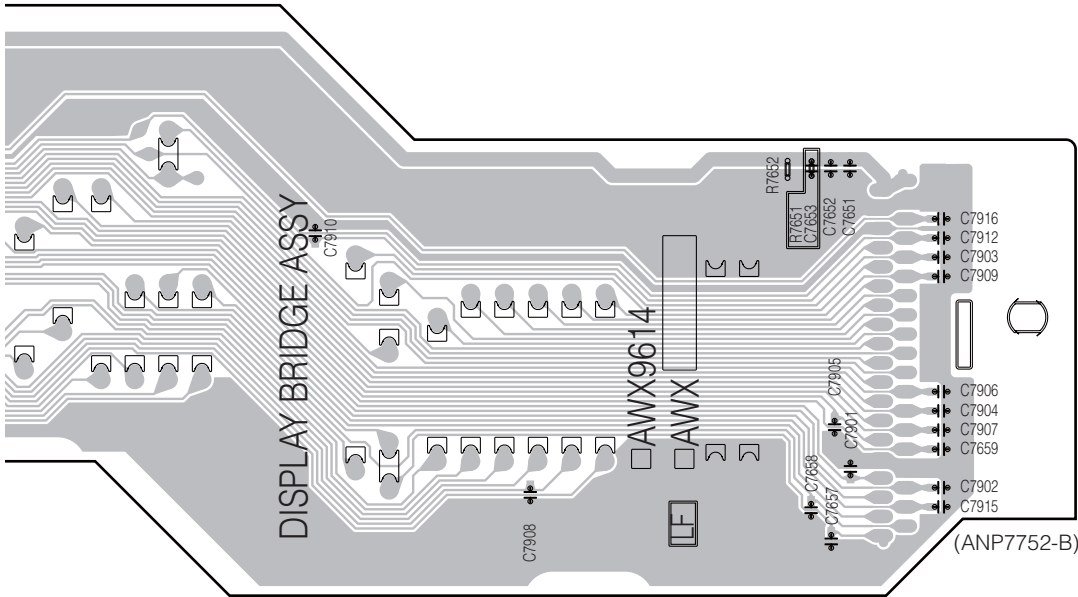
B

C

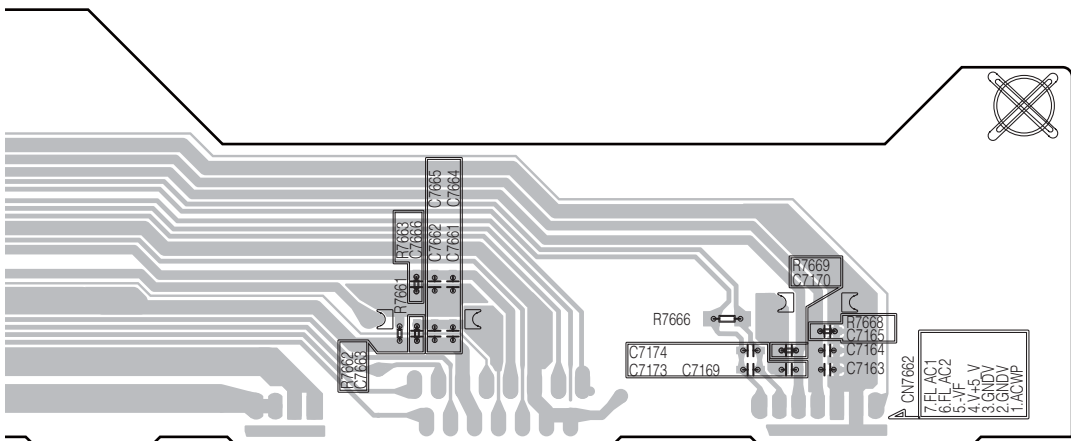
D

E

F



CN7652



CN7666

CN7661

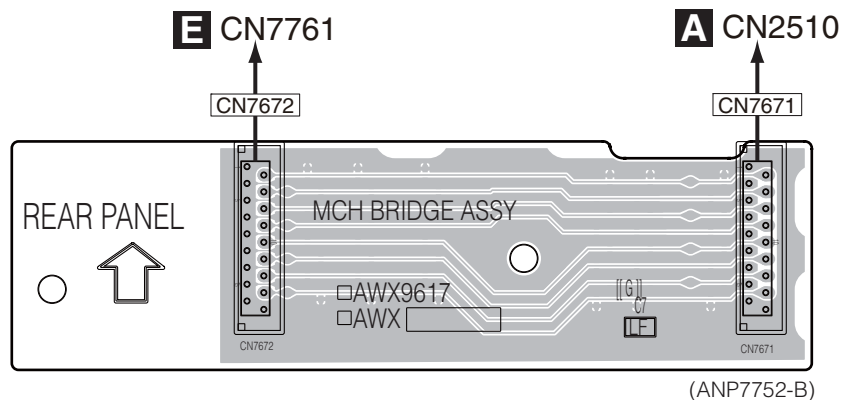
CN7662

# 11.22 MCH BRIDGE, FFC GUARD and H GUARD ASSYS

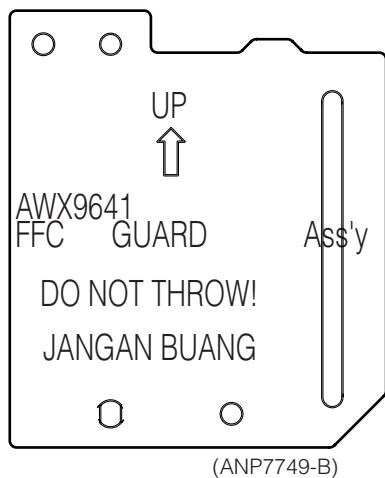
SIDE A

SIDE A

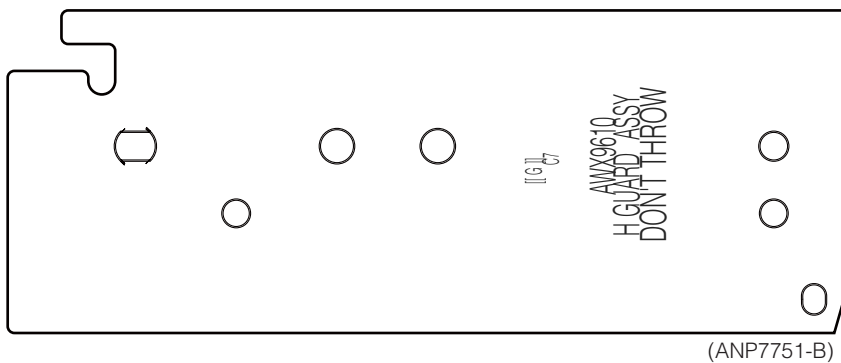
## AF MCH BRIDGE ASSY



## AG FFC GUARD ASSY



## AH H GUARD ASSY



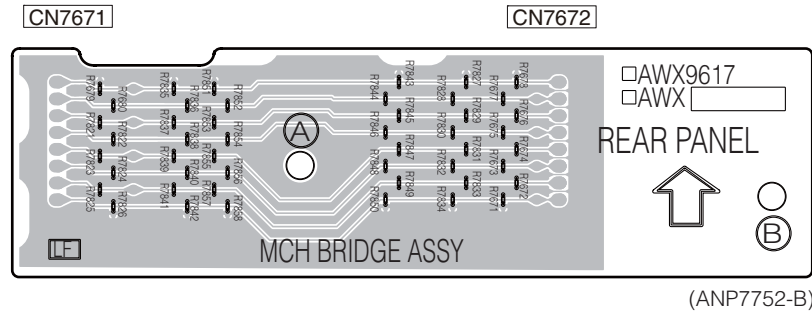
AF AG AH

AF AG AH

**SIDE B**

**SIDE B**

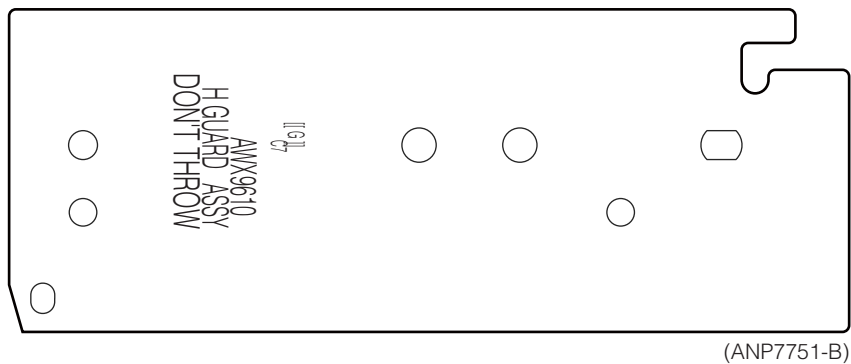
**AF MCH BRIDGE ASSY**



**AG FFC DUARD ASSY**



**AH H GUARD ASSY**



**AF AG AH**

**AF AG AH**

# 12. PCB PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

● The  $\Delta$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

● When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560  $\Omega$  → 56 × 10<sup>1</sup> → 561.....RD1/APU  $\begin{matrix} 5 & 6 & 1 \\ \hline \end{matrix}$  J  
 47 k $\Omega$  → 47 × 10<sup>3</sup> → 473.....RD1/APU  $\begin{matrix} 4 & 7 & 3 \\ \hline \end{matrix}$  J  
 0.5  $\Omega$  → R50.....RN2H  $\begin{matrix} R & 5 & 0 \\ \hline \end{matrix}$  K  
 1  $\Omega$  → 1R0.....RS1P  $\begin{matrix} 1 & R & 0 \\ \hline \end{matrix}$  K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 k $\Omega$  → 562 × 10<sup>1</sup> → 5621.....RN1/4PC  $\begin{matrix} 5 & 6 & 2 & 1 \\ \hline \end{matrix}$  F

**Mark No. Description Part No. Mark No. Description Part No.**

| <b>LIST OF ASSEMBLIES</b> |  |  |  |
|---------------------------|--|--|--|
|                           |  |  | NSP 1..INTERFACE REG ASSY AWR7085              |
|                           |  |  | 2..INTERFACE ASSY AWX9605                      |
|                           |  |  | 2..ICE REG ASSY AWX9606                        |
|                           |  |  | 2..B REG ASSY AWX9607                          |
|                           |  |  | 2..B DIODE ASSY AWX9608                        |
|                           |  |  | 2..PRE BRIDGE ASSY AWX9611                     |
|                           |  |  | 2..H GUARD ASSY AWX9610                        |
|                           |  |  | NSP 1..REG BRIDGE ASSY AWR7086                 |
|                           |  |  | 2..REG ASSY AWX9612                            |
|                           |  |  | 2..FRONT BRIDGE ASSY AWX9613                   |
|                           |  |  | 2..DISPLAY BRIDGE ASSY AWX9614                 |
|                           |  |  | 2..F-IN BRIDGE ASSY AWX9615                    |
|                           |  |  | 2..MULTI CH IN ASSY AWX9616                    |
|                           |  |  | 2..MCH BRIDGE ASSY AWX9617                     |
|                           |  |  | 2..FB-CONNECT ASSY AWX9618                     |
|                           |  |  | 2..CONNECT ASSY AWX9619                        |
|                           |  |  | NSP 1..AUDIO COMPOSITE ASSY AWR7090            |
|                           |  |  | 2..D-AUDIO BRIDGE ASSY AWX9569                 |
|                           |  |  | 2..D-DAC BRIDGE ASSY AWX9570                   |
|                           |  |  | 2..A-DAC BRIDGE ASSY AWX9571                   |
|                           |  |  | 2..AUDIO ASSY AWX9647                          |
|                           |  |  | 2..COMPOSITE ASSY AWX9652                      |
|                           |  |  | 1..DIGITAL MAIN ASSY (SC-37) AWX9620           |
|                           |  |  | 1..DIGITAL MAIN ASSY (SC-35,SC-1525-K) AWX9621 |
|                           |  |  | 1..DAC HIGH ASSY (SC-37) AWX9622               |
|                           |  |  | 1..DAC LOW ASSY (SC-35,SC-1525-K) AWX9658      |
|                           |  |  | 1..COMPONENT ASSY AWX9654                      |
|                           |  |  | 1..FM/AM TUNER UNIT AXX7267                    |
| NSP                       | 1..ICEPOWER AMP ASSY (SC-37) AWH7024           |  |  |
|                           | 1..ICEPOWER AMP ASSY (SC-35,SC-1525-K) AWH7025 |  |  |
| NSP                       | 1..ICE INT F-HDMI ASSY AWM8189                 |  |  |
|                           | 2..ICE INTERFACE ASSY AWX9596                  |  |  |
|                           | 2..FRONT HDMI ASSY AWX9597                     |  |  |
| NSP                       | 1..MIC HP ICE ASSY AWM8190                     |  |  |
|                           | 2..ICE BUFFER ASSY AWX9598                     |  |  |
|                           | 2..MIC HP ASSY AWX9599                         |  |  |
|                           | 2..FFC CUARD ASSY AWX9641                      |  |  |
| NSP                       | 1..PRIM DISPLAY ASSY (SC-37) AWM8191           |  |  |
|                           | 2..DISPLAY ASSY AWX9600                        |  |  |
|                           | 2..VOL ASSY AWX9601                            |  |  |
|                           | 2..POWER SW ASSY AWX9602                       |  |  |
|                           | 2..PRIMARY SHIELD ASSY AWX9603                 |  |  |
|                           | 2..PRIMARY ASSY AWX9604                        |  |  |
| NSP                       | 1..PRIM DISPLAY ASSY (SC-35) AWM8209           |  |  |
|                           | 2..DISPLAY ASSY AWX9686                        |  |  |
|                           | 2..VOL ASSY AWX9601                            |  |  |
|                           | 2..POWER SW ASSY AWX9602                       |  |  |
|                           | 2..PRIMARY SHIELD ASSY AWX9603                 |  |  |
|                           | 2..PRIMARY ASSY AWX9604                        |  |  |
| NSP                       | 1..PRIM DISPLAY ASSY (SC-1525-K) AWM8210       |  |  |
|                           | 2..DISPLAY ASSY AWX9687                        |  |  |
|                           | 2..VOL ASSY AWX9601                            |  |  |
|                           | 2..POWER SW ASSY AWX9602                       |  |  |
|                           | 2..PRIMARY SHIELD ASSY AWX9603                 |  |  |
|                           | 2..PRIMARY ASSY AWX9604                        |  |  |

**K DISPLAY ASSY**

AWX9600, AWX9686 and AWX9687 are constructed the same except for the following:

| Mark | Symbol and Description | AWX9600          | AWX9686          | AWX9687        |
|------|------------------------|------------------|------------------|----------------|
|      | Q8005                  | LTC124EUB        | LTC124EUB        | Not used       |
|      | Q8007                  | LTC124EUB        | LTC124EUB        | Not used       |
|      | Q8008                  | LTC124EUB        | LTC124EUB        | Not used       |
|      | Q8009                  | LTC124EUB        | LTC124EUB        | Not used       |
|      | Q8010                  | LTC124EUB        | LTC124EUB        | Not used       |
|      | Q8011                  | LTC124EUB        | LTC124EUB        | Not used       |
|      | D8001                  | SLR343BC4T(JKLM) | SLR343BC4T(JKLM) | SLR-343VC(NPQ) |
|      | D8003                  | SLR343BC4T(JKLM) | SLR343BC4T(JKLM) | SLR-343VC(NPQ) |
|      | D8005                  | SLR343BC4T(JKLM) | SLR343BC4T(JKLM) | SLR-343VC(NPQ) |
|      | D8007                  | SLR343BC4T(JKLM) | SLR343BC4T(JKLM) | SLR-343VC(NPQ) |

| Mark  | Symbol and Description | AWX9600          | AWX9686          | AWX9687          |
|-------|------------------------|------------------|------------------|------------------|
| D8009 |                        | SLR343BC4T(JKLM) | SLR343BC4T(JKLM) | Not used         |
| D8013 |                        | SLR343BC4T(JKLM) | SLR343BC4T(JKLM) | Not used         |
| D8015 |                        | Not used         | Not used         | SLR343BC4T(JKLM) |
| D8011 |                        | SLR343WBCT(MNPQ) | SLR343WBCT(MNPQ) | Not used         |
| R8018 |                        | RS1/10SR151J     | RS1/10SR151J     | RS1/10SR681J     |
| R8019 |                        | RS1/10SR151J     | RS1/10SR151J     | RS1/10SR681J     |
| R8020 |                        | RS1/10SR151J     | RS1/10SR151J     | RS1/10SR681J     |
| R8021 |                        | RS1/10SR151J     | RS1/10SR151J     | RS1/10SR681J     |
| R8022 |                        | RS1/10SR151J     | RS1/10SR151J     | Not used         |
| R8023 |                        | RS1/10SR561J     | RS1/10SR561J     | RS1/10SR151J     |
| R8024 |                        | RS1/10SR151J     | RS1/10SR151J     | Not used         |
| R8078 |                        | Not used         | Not used         | RS1/10SR0R0J     |
| R8079 |                        | Not used         | Not used         | RS1/10SR0R0J     |
| R8080 |                        | Not used         | Not used         | RS1/10SR0R0J     |
| R8081 |                        | Not used         | Not used         | RS1/10SR0R0J     |
| R8083 |                        | Not used         | Not used         | RS1/10SR0R0J     |
| R8279 |                        | Not used         | RS1/10SR473J     | RS1/10SR103J     |
| R8280 |                        | RS1/10SR473J     | Not used         | RS1/10SR393J     |
| R8301 |                        | RS1/10SR101J     | RS1/10SR101J     | Not used         |
| C8005 |                        | CCSRCH470J50     | CCSRCH470J50     | Not used         |
| C8007 |                        | CCSRCH101J50     | CCSRCH101J50     | Not used         |

**P**

### ICEPOWER AMP ASSY

AWH7024 and AWH7025 are constructed the same except for the following:

| Mark   | Symbol and Description | AWH7024 | AWH7025 |
|--------|------------------------|---------|---------|
| JA4101 |                        | AKE7150 | AKE7142 |
| JA4301 |                        | AKE7149 | AKE7141 |
| JA4501 |                        | AKE7149 | AKE7141 |
| JA4901 |                        | AKE7149 | AKE7141 |
| C4149  |                        | ACH7318 | ACH7304 |
| C4150  |                        | ACH7318 | ACH7304 |
| C4249  |                        | ACH7318 | ACH7304 |
| C4250  |                        | ACH7318 | ACH7304 |
| C4349  |                        | ACH7318 | ACH7304 |
| C4350  |                        | ACH7318 | ACH7304 |
| C4449  |                        | ACH7318 | ACH7304 |
| C4450  |                        | ACH7318 | ACH7304 |
| C4549  |                        | ACH7318 | ACH7304 |
| C4550  |                        | ACH7318 | ACH7304 |
| C4649  |                        | ACH7318 | ACH7304 |
| C4650  |                        | ACH7318 | ACH7304 |
| C4749  |                        | ACH7318 | ACH7304 |
| C4750  |                        | ACH7318 | ACH7304 |

1 2 3 4

**PCB PARTS LIST FOR SC-37/UXJCB UNLESS OTHERWISE NOTED**

| Mark | No.             | Description                 | Part No.     | Mark | No.                 | Description | Part No.     |
|------|-----------------|-----------------------------|--------------|------|---------------------|-------------|--------------|
| A    |                 | <b>A AUDIO ASSY</b>         |              |      |                     |             |              |
|      |                 | <b>SEMICONDUCTORS</b>       |              |      |                     |             |              |
|      | IC              | 2501                        | BD3473KS2    | C    | 2679,2680,3903,3906 |             | CEAK101M16   |
|      | IC              | 2661,2702,2751,2801         | NJM4565MD    | C    | 2681,2682,3905      |             | CKSRYP104K16 |
|      | IC              | 2701                        | TC4066BFN    | C    | 2683,2701,2702,2705 |             | CKSRYP103K50 |
|      | IC              | 3101,3151,3201,3251         | NJM4580V     | C    | 2691,2692,3909      |             | CCSRCH331J50 |
|      | IC              | 3221                        | TC4053BFN    | C    | 2693,2694           |             | ACH1479      |
|      | IC              | 3271                        | NJM4580V     | C    | 2695,2696,3055,3056 |             | CFHXSQ103J16 |
|      | Q               | 2721,2853,3221,3222         | LTC124EUB    | C    | 2697,2698,2703,2704 |             | CCSRCH101J50 |
| B    | Q               | 2722                        | LTA124EUB    | C    | 2706,2761,2762,2803 |             | CKSRYP103K50 |
|      | Q               | 2803,2951,2971,3101         | IMX25        | C    | 2707,2708,2751-2758 |             | CEAK100M50   |
|      | Q               | 2852                        | LSA1576UB    | C    | 2731,3105,3106,3155 |             | CEAK220M50   |
|      | Q               | 3001                        | 2SD1858X     | C    | 2759,3939,3940      |             | CCSRCH101J50 |
|      | Q               | 3002                        | 2SB1237X     | C    | 2760,2903,2904,2907 |             | CEAK100M50   |
|      | Q               | 3102,3151,3152,3201         | IMX25        | C    | 2801,2802,2805,2806 |             | CEAT1R0M50   |
|      | Q               | 3202,3251,3252,3271         | IMX25        | C    | 2804,2815,2816,2981 |             | CKSRYP103K50 |
|      | Q               | 3272                        | IMX25        | C    | 2807,2808           |             | CCSRCH221J50 |
|      | Q               | 3901                        | 2SD1664      | C    | 2817,2818           |             | CEAK470M25   |
|      | D               | 2691,2701,2702              | 1SS302       | C    | 2819,2820           |             | CEAT471M16   |
|      | D               | 2851,2852                   | 1SS352       | C    | 2851                |             | CEAK101M35   |
| C    | D               | 3001,3002                   | HZU7R5(B2)   | C    | 2863-2866,3073,3075 |             | CKSRYP104K50 |
|      | D               | 3902                        | UDZS10(B)    | C    | 2908,3025,3026      |             | CEAK100M50   |
|      |                 | <b>MISCELLANEOUS</b>        |              | C    | 2983,3223,3224,3904 |             | CKSRYP103K50 |
|      | L               | 3931 CHIP SOLID INDUCTOR    | QTL1013      | C    | 3001,3002           |             | CEAK2R2M50   |
|      | JA              | 2501,2503,2504 PIN JACK(4P) | XKB3017      | C    | 3011,3012,3021,3051 |             | CCSRCH102J50 |
|      | JA              | 2502 2P PIN JACK            | AKB7233      | C    | 3052,3057,3058,3902 |             | CCSRCH102J50 |
|      | JA              | 2506,2951,3101 PIN JACK(4P) | XKB3017      | C    | 3053,3054           |             | ACH1480      |
|      | JA              | 3201 PIN JACK(6P)           | XKB3037      | C    | 3074,3076,3077,3080 |             | CCSRCH471J50 |
|      | RY              | 2851 RELAY                  | CSR1031      | C    | 3078,3079,3191,3291 |             | CKSRYP104K50 |
|      | CN              | 2501 3P SOCKET              | XKP3072      | C    | 3103,3104,3153,3154 |             | CFHXSQ103J16 |
|      | CN              | 2502 24P SOCKET             | AKP7251      | C    | 3192,3292           |             | CCSRCH471J50 |
| D    | CN              | 2503 15P CONNECTOR          | 52044-1545   | C    | 3203,3204,3253,3254 |             | CFHXSQ103J16 |
|      | CN              | 2510 18P SOCKET             | AKP7123      | C    | 3205,3206,3255,3256 |             | CEAK220M50   |
|      | CN              | 2861 15P SOCKET             | XKP3078      | C    | 3273,3274           |             | CFHXSQ103J16 |
|      | CN              | 3001 14P SOCKET             | AKP7248      | C    | 3275,3276,3732      |             | CEAK220M50   |
|      | CN              | 3051 19P SOCKET             | XKP3080      | C    | 3907,3934           |             | CKSRYP103K50 |
|      | CN              | 3901 11P SOCKET             | XKP3076      | C    | 3911-3913           |             | CCSRCH100D50 |
|      | CN              | 3902 CONNECTOR              | 9604S-11C    | C    | 3932                |             | CCSRCH102J50 |
|      | JP              | 3001 5P HOUSING ASSY        | ADX7730      |      |                     |             |              |
|      |                 | <b>RESISTORS</b>            |              |      |                     |             |              |
| E    | R               | 2819,2820                   | RD1/4MUF330J | IC   | 2001                |             | AK4118AEQ    |
|      | R               | 3032                        | RS1/8SQ822J  | IC   | 2003,2005-2007      |             | RNB4580F     |
|      | Other Resistors |                             | RS1/10SR###J | IC   | 2004,2016           |             | TC74LCX08FK  |
|      |                 |                             |              | IC   | 2010                |             | TC74VHC08FK  |
|      |                 |                             |              | IC   | 2011-2014           |             | AK4480EF     |
|      |                 | <b>CAPACITORS</b>           |              | IC   | 2021                |             | TC74LCX157FK |
|      | C               | 2505,2506,2525,2526         | CEAK220M50   | IC   | 2106                |             | TC74VHC126FK |
|      | C               | 2509,2510,3007,3008         | CCSRCH102J50 | IC   | 2181                |             | NJM2872BF33  |
|      | C               | 2545,2546,2587,2588         | CEAK220M50   | IC   | 2401,2402,2451      |             | NJM4565MD    |
|      | C               | 2565,2566,2625,2626         | CEAK100M50   | IC   | 2431                |             | PCM1804DB    |
|      | C               | 2609,2610,2645,2646         | CEAK220M50   | IC   | 2471                |             | AK4388ET     |
|      | C               | 2611,2612,2821,2822         | CCSRCH100D50 | D    | 2130                |             | 1SS302       |
|      | C               | 2663,2664,2677,2678         | CEAK100M50   | D    | 2431,2432           |             | 1SS301       |
|      | C               | 2669,2670,2811,2812         | CEAK470M25   | D    | 2433,2434           |             | DAP202U      |
| F    | C               | 2671,2672                   | CKSRYP822K50 |      |                     |             |              |
|      | C               | 2673-2676                   | CKSRYP122K50 |      |                     |             |              |

**B DAC HIGH ASSY(SC-37)**

**SEMICONDUCTORS**



**Mark No. Description Part No.**

**Mark No. Description Part No.**

**C DAC LOW ASSY(SC-35,SC-1525-K)**

**CAPACITORS**

**SEMICONDUCTORS**

|   |                        |               |
|---|------------------------|---------------|
| A | IC 2001                | AK4118AEQ     |
|   | IC 2004                | TC74LCX08FK   |
|   | IC 2010                | TC74VHC08FK   |
|   | IC 2011                | TC74LCX157FK  |
|   | IC 2106                | TC74VHC126FK  |
|   | △ IC 2181              | NJM2855DL1-33 |
|   | IC 2201                | PCM1691DCA    |
|   | IC 2231,2281,2331,2381 | NJM4565MD     |
|   | IC 2401,2402,2451      | NJM4565MD     |
|   | IC 2431                | PCM1804DB     |
| B | IC 2471                | AK4388ET      |
|   | D 2130                 | 1SS302        |
|   | D 2431,2432            | 1SS301        |
|   | D 2433,2434            | DAP202U       |

**MISCELLANEOUS**

|   |                                 |         |
|---|---------------------------------|---------|
|   | L 2004-2009 CHIP SOLID INDUCTOR | QTL1013 |
|   | L 2102,2201 CHIP SOLID INDUCTOR | QTL1013 |
|   | L 2202,2431 CHIP SOLID INDUCTOR | QTL1013 |
|   | L 2442,2471 CHIP SOLID INDUCTOR | QTL1013 |
|   | L 2472,2473 INDUCTOR            | CTF1379 |
|   | JA 2002-2004 OPT. LINK IN       | AKS7001 |
|   | JA 2006 OPT. LINK OUT           | AKS7002 |
|   | JA 2008 PIN JACK(2P)            | AKB7173 |
|   | JA 2101 SOCKET                  | BKP1127 |
|   | KN2201 SCREW PLATE              | VNE1948 |
| C | CN2101,2102 SOCKET(30PL)        | BKP1047 |
|   | CN2103 24P SOCKET               | AKP7251 |
|   | CN2104 14P SOCKET               | AKP7248 |

**RESISTORS**

|   |                       |               |
|---|-----------------------|---------------|
|   | R 2007-2009,2012,2016 | RS1/16SS101J  |
|   | R 2017,2020,2089      | RS1/16SS0R0J  |
|   | R 2018,2084-2087,2210 | RS1/16SS470J  |
| D | R 2019,2211,2489      | RS1/16SS680J  |
|   | R 2021,2023-2025,2027 | RS1/16SS101J  |
|   | R 2022,2048,2212-2216 | RS1/16SS221J  |
|   | R 2026                | RS1/16SS471J  |
|   | R 2028                | RS1/16SS1002F |
|   | R 2049,2088,2090-2094 | RS1/16SS101J  |
|   | R 2115,2119,2168,2263 | RS1/16SS101J  |
|   | R 2116-2118,2120      | RS1/16SS220J  |
|   | R 2138,2146,2147,2190 | RS1/8SQ105J   |
|   | R 2158,2160,2162,2164 | RS1/16SS104J  |
|   | R 2165-2167,2169,2170 | RS1/16SS0R0J  |
| E | R 2171-2174,2177,2178 | RS1/16SS104J  |
|   | R 2189                | RS1/8SQ225J   |
|   | R 2191                | RS1/8SQ474J   |
|   | R 2200                | RS1/8SQ105J   |
|   | R 2201,2202           | RS1/16SS103J  |
|   | R 2217-2220,2487      | RS1/16SS470J  |
|   | R 2431,2440           | RS1/16SS0R0J  |
|   | R 2432                | RS1/16SS100J  |
|   | R 2433,2434,2480,2481 | RS1/16SS101J  |
|   | R 2469,2471,2472      | RS1/16SS221J  |
|   | R 2473,2474           | RS1/16SS102J  |
| F | R 2485                | RS1/16SS101J  |
|   | R 2490                | RS1/16SS820J  |
|   | Other Resistors       | RS1/10SR###J  |

|   |                     |              |
|---|---------------------|--------------|
| C | 2002,2005,2124,2126 | CKSRYP103K50 |
| C | 2003,2006,2010-2012 | CKSRYP104K16 |
| C | 2014,2122,2178,2214 | CKSRYP104K16 |
| C | 2018,2021,2024,2181 | CEAK101M16   |
| C | 2019,2022,2028,2032 | CGSSCH471J50 |
| C | 2020,2023,2029,2033 | CKSSYP104K10 |
| C | 2026,2065,2066      | CKSRYP474K16 |
| C | 2030                | CEAK221M10   |
| C | 2046,2070,2112,2205 | CGSSCH471J50 |
| C | 2047,2069,2106,2183 | CKSSYP104K10 |
| C | 2054,2413,2414      | CCSRCH101J50 |
| C | 2055                | AGH7273      |
| C | 2059                | CEAK221M16   |
| C | 2127,2128,2451,2452 | CEAK220M50   |
| C | 2129,2130,2223,2224 | CKSRYP103K50 |
| C | 2174,2175,2182      | CCSRCH102J50 |
| C | 2184,2187,2432      | CEAK101M35   |
| C | 2185,2186,2457,2458 | CKSRYP104K25 |
| C | 2193                | CKSQYB225K10 |
| C | 2195,2204,2212,2216 | CEAK101M16   |
| C | 2201,2202,2211,2477 | CKSRYP105K10 |
| C | 2203,2436,2437,2473 | CEAK470M25   |
| C | 2206,2208,2220,2422 | CKSSYP104K16 |
| C | 2207,2219,2421      | CGSSCH471J50 |
| C | 2215,2217           | CKSRYP104K50 |
| C | 2231,2232,2281,2282 | CEAK1R0M50   |
| C | 2233,2234,2445,2455 | CCSRCH471J50 |
| C | 2235,2236,2285,2335 | CCSRCH271J50 |
| C | 2237,2238,2283,2333 | CCSRCH331J50 |
| C | 2239,2240,2289,2290 | CEAK100M50   |
| C | 2245,2251,2252,2273 | CKSRYP103K50 |
| C | 2271,2272,2321,2322 | CKSRYP472K50 |
| C | 2274,2286,2295,2323 | CKSRYP103K50 |
| C | 2277                | CGSSCH100D50 |
| C | 2284                | CKSRYP223K50 |
| C | 2287,2337,2338,2387 | CCSRCH391J50 |
| C | 2288                | CKSRYP562K50 |
| C | 2324,2345,2373,2374 | CKSRYP103K50 |
| C | 2331,2332,2381,2382 | CEAK1R0M50   |
| C | 2334,2383,2384      | CCSRCH331J50 |
| C | 2336,2385,2386      | CCSRCH271J50 |
| C | 2339,2340,2389,2390 | CEAK100M50   |
| C | 2371,2372           | CKSRYP472K50 |
| C | 2388,2453,2454      | CCSRCH391J50 |
| C | 2395,2434,2439,2464 | CKSRYP103K50 |
| C | 2401,2402,2433,2435 | CKSRYP104K16 |
| C | 2403,2404           | DCH1201      |
| C | 2405-2408,2459,2460 | CEAK100M50   |
| C | 2411,2412,2415,2416 | CKSQYB103K50 |
| C | 2438,2441-2443,2446 | CKSRYP104K16 |
| C | 2440                | CEAK101M16   |
| C | 2456,2475,2489      | CCSRCH471J50 |
| C | 2472,2476,2480      | CKSRYP104K16 |
| C | 2474                | CEAK470M25   |
| C | 2478                | CKSRYP103K50 |
| C | 2481,2483,2484      | CGSSCH471J16 |
| C | 2482                | CKSSYP104K10 |

| Mark | No. | Description | Part No. | Mark | No. | Description | Part No. |
|------|-----|-------------|----------|------|-----|-------------|----------|
|------|-----|-------------|----------|------|-----|-------------|----------|

## **D** FRONT HDMI ASSY

### SEMICONDUCTORS

|             |              |
|-------------|--------------|
| IC 3551     | CXB1443R     |
| IC 3552     | TC7MB3257FK  |
| IC 3553     | S-24CS02AFT  |
| ⚠ IC 3554   | S-1132B33-U5 |
| Q 3551-3553 | LTC114YUB    |

|        |        |
|--------|--------|
| D 3551 | 1SS301 |
|--------|--------|

### MISCELLANEOUS

|                           |         |
|---------------------------|---------|
| L 3551,3565-3568 INDUCTOR | CTF1473 |
| L 3552 CHIP BEADS         | ATL7010 |
| L 3571-3576 FERRITE BEAD  | CTF1528 |
| JA 3501 USB CONNECTOR     | XKP3086 |
| JA 3551 HDMI CONNECTOR    | AKP7254 |

|                               |         |
|-------------------------------|---------|
| JA 3552 HDMI CONNECTOR        | AKP7253 |
| KN3501,3551 WRAPPING TERMINAL | VNF1084 |
| KN3552 WRAPPING TERMINAL      | VNF1084 |
| CN3501 CONNECTOR              | AKM1276 |
| CN3553 4P CONNECTOR           | VKN1409 |

### RESISTORS

|                       |               |
|-----------------------|---------------|
| R 3503,3506-3508,3513 | RS1/10SR0R0J  |
| R 3564                | RS1/16SS4701F |
| R 3581-3584           | RS1/10SR0R0J  |
| R 3589                | RS1/8SQ105J   |
| Other Resistors       | RS1/16SS###J  |

### CAPACITORS

|                       |              |
|-----------------------|--------------|
| C 3502,3579           | CCSSCH101J50 |
| C 3503                | CKSSYB104K16 |
| C 3504                | CEAK221M16   |
| C 3505,3551,3556,3565 | CCSSCH102J50 |
| C 3506,3507           | CCSRCH101J50 |

|                       |              |
|-----------------------|--------------|
| C 3552,3553,3562,3563 | CKSSYB104K10 |
| C 3554,3555           | CKSRYB104K25 |
| C 3560                | CCSSCH330J50 |
| C 3561                | CEVW101M16   |
| C 3564,3572,3575      | CCSSCH471J16 |

|                       |              |
|-----------------------|--------------|
| C 3566,3567,3570,3571 | CKSSYB104K10 |
| C 3568,3569,3577,3590 | CCSSCH102J50 |
| C 3573,3574,3576,3578 | CKSSYB104K10 |
| C 3589                | CEAK101M16   |
| C 3591                | CKSSYB104K10 |

|        |              |
|--------|--------------|
| C 3594 | CCSSCH102J50 |
|--------|--------------|

## **E** MULTI CH IN ASSY

### MISCELLANEOUS

|                           |         |
|---------------------------|---------|
| JA 7761,7762 PIN JACK(4P) | XKB3017 |
| KN 7751 SCREW PLATE       | VNE1948 |
| CN 7761 18P SOCKET        | AKP7123 |
| CN 7762 5P SOCKET         | XKP3073 |

### RESISTORS

|               |              |
|---------------|--------------|
| All Resistors | RS1/10SR###J |
|---------------|--------------|

### CAPACITORS

|                       |              |
|-----------------------|--------------|
| C 7765,7766,7771,7772 | CEAK220M50   |
| C 7777,7778,7783,7784 | CEAK220M50   |
| C 7785,7788           | CKSRYB104K50 |
| C 7786,7789           | CCSRCH471J50 |

## **F** DIGITAL MAIN ASSY(SC-37)

### SEMICONDUCTORS

|                       |                    |
|-----------------------|--------------------|
| IC 101                | UPD61283F1-407LU2A |
| IC 102,1601,1812,9012 | TC7SH08FUS1        |
| IC 103,104            | NJM12904V          |
| NSP IC 402            | AYW7335            |
| IC 403,404            | K4H561638J-LCB3    |

|                      |              |
|----------------------|--------------|
| IC 601,1501,1804     | TC7WHU04FU   |
| IC 602               | 341S2164     |
| IC 604               | PE7008A      |
| IC 605,1806,1815     | TC74VHC125FK |
| IC 606,611,9014,9306 | TC74VHC126FK |

|                  |                 |
|------------------|-----------------|
| IC 607,9302,9304 | BU4094BCFV      |
| IC 608,613,9307  | TC74VHCT08AFKS1 |
| IC 609           | TC74VHCT541AFK  |
| IC 610           | TC7WH08FU       |
| IC 612,1805      | TC74VHCT125AFK  |

|             |              |
|-------------|--------------|
| IC 614,9011 | TC74VHC08FK  |
| IC 901      | TC74VHC153FK |
| IC 903,907  | S-24CS02AFT  |
| IC 904      | SI9233ACTU   |
| IC 905,909  | TC7MB3257FK  |

|                   |              |
|-------------------|--------------|
| IC 906            | CXB1444R     |
| IC 908            | TC74VHC541FK |
| IC 1102           | ADV7181CBSTZ |
| IC 1202           | TC74LCX541FK |
| IC 1203,1217,1218 | TC7SZ125FU   |

|                          |                  |
|--------------------------|------------------|
| IC 1204                  | 88DE2750         |
| IC 1205-1211,1215        | TC74VCX541FK     |
| IC 1212                  | EDE5116AJBG-8E-E |
| ⚠ IC 1216                | LP2996M          |
| ⚠ IC 1502,1605,1606,1801 | AAT4614AIGU-2    |

|                   |              |
|-------------------|--------------|
| IC 1602,1603      | SI9134CTU    |
| IC 1604,1809-1811 | TC74VHC157FK |
| IC 1607,9002      | TC7SH32FUS1  |
| ⚠ IC 1802,9812    | R1172H501D   |
| IC 1803           | BU9450KV     |

|                   |                 |
|-------------------|-----------------|
| IC 1808,1814,9015 | TC74LCX157FK    |
| ⚠ IC 1816,9008    | NJM2872BF33     |
| IC 9001           | AYW7333         |
| IC 9003           | DSPA56720AG     |
| IC 9004           | IS42S16400F-6TL |

|                   |               |
|-------------------|---------------|
| IC 9005,9006      | TC74LCX573FK  |
| IC 9009           | ICS87002BM-05 |
| IC 9010           | TC7WH157FU    |
| IC 9013,9016,9017 | TC74LCX08FK   |
| IC 9018           | TC7WH126FU    |

|                   |                  |
|-------------------|------------------|
| IC 9019,9301,9504 | TC7SH08FUS1      |
| IC 9201           | IS42S16100E-6TL  |
| IC 9202           | D787E001BRFP250L |
| IC 9305           | TC74VHC04FK      |
| ⚠ IC 9308         | AAT4614AIGU-2    |

|                     |                 |
|---------------------|-----------------|
| NSP IC 9501         | AYW7332         |
| IC 9502             | K4S281632K-UC60 |
| IC 9505             | RTL8201CP-LF    |
| ⚠ IC 9801           | MB39C011A       |
| ⚠ IC 9802,9805,9811 | NJM2846DL3-33   |

| Mark | No. | Description                      | Part No.        | Mark                 | No. | Description                 | Part No.      |
|------|-----|----------------------------------|-----------------|----------------------|-----|-----------------------------|---------------|
|      |     | △ IC 9803,9804                   | NJM2846DL3-18   |                      |     |                             |               |
|      |     | △ IC 9806,9815                   | S-1172B10-U5    | L 9201               |     | CHIP SOLID INDUCTOR         | QTL1013       |
| A    |     | △ IC 9809                        | S-1170B25UC-OTK | L 9202               |     | INDUCTOR                    | CTF1357       |
|      |     | △ IC 9810                        | MM1701WH        | L 9203-9205          |     | CHIP SOLID INDUCTOR         | QTL1013       |
|      |     | △ IC 9813,9816                   | S-1172B12-U5    | L 9301,9302          |     | CHIP SOLID INDUCTOR         | QTL1013       |
|      |     | Q 101,102,607                    | LSA1576UB       | L 9501,9502          |     | CHIP FERRITE BEADS          | ATF1211       |
|      |     | Q 601,603,9302-9305              | LTA124EUB       | L 9503               |     | CHIP SOLID INDUCTOR         | QTL1013       |
|      |     | Q 602                            | LTC124EUB       | L 9504,9505          |     | CHIP FERRITE BEADS          | ATF1211       |
|      |     | Q 608,1509-1511                  | LSC4081UB       | L 9506-9510          |     | CHIP SOLID INDUCTOR         | QTL1013       |
|      |     | Q 901,903,904,1601               | LTC114YUB       | L 9513,9514          |     | COIL                        | ATH7082       |
|      |     | Q 902                            | HN1K02FU        | L 9803               |     | INDUCTOR                    | ATH7087       |
|      |     | Q 1501-1504,1506-1508            | LSA1576UB       | L 9806               |     | INDUCTOR                    | ATH7086       |
|      |     | Q 1602                           | LTC114YUB       | L 9808,9811          |     | CHIP SOLID INDUCTOR         | QTL1013       |
| B    |     | Q 1603,1604                      | UMB1N           | L 9809,9810          |     | CHIP BEADS                  | ATL7010       |
|      |     | Q 9301                           | LTC114EUB       | F 101-111            |     | EMI FILTER                  | DTL1106       |
|      |     | Q 9306                           | LSA1576UB       | JA 901-904,906       |     | HDMI CONNECTOR              | AKP7254       |
|      |     | Q 9307                           | RN4903          | JA 905               |     | HDMI CONNECTOR              | AKP7255       |
|      |     | △ Q 9801,9802                    | SP8M2           | JA 1601,1602         |     | HDMI CONNECTOR              | AKP7254       |
|      |     | D 601                            | RB501V-40       | JA 1801              |     | 4P SOCKET                   | AKP7201       |
|      |     | D 602-606,9806                   | 1SS352          | JA 9301              |     | CONNECTOR                   | CKS5712       |
|      |     | D 607,1801,1802                  | HZU5R6(B2)      | JA 9501              |     | RJ45 CONNECTOR              | VKN2086       |
|      |     | D 901,905,906                    | 1SS301          | KN 606,607           |     | SCREW PLATE                 | VNE1948       |
|      |     | D 1601,1602                      | UDZS5R1(B)      | X 101                |     | CRYSTAL OSCILLATOR (27 MHz) | ASS7103       |
|      |     | D 9809,9814                      | 1SR154-400      | X 601                |     | CRYSTAL (26.864 MHz)        | ASS7094       |
| C    |     | <b>MISCELLANEOUS</b>             |                 | X 901                |     | CRYSTAL (27.000 MHz)        | ASS7092       |
|      |     | L 101,105 CHIP SOLID INDUCTOR    | QTL1013         | X 1101               |     | CRYSTAL (28.63636 MHz)      | ASS7111       |
|      |     | L 102 INDUCTOR                   | ATL7049         | X 1201               |     | RESONATOR                   | CSS1795       |
|      |     | L 103 INDUCTOR                   | LCTC150K2125    | X 1501               |     | CRYSTAL (48 MHz)            | ASS7099       |
|      |     | L 104 INDUCTOR                   | ATL7045         | X 1801               |     | CRYSTAL (45.1584 MHz)       | ASS7095       |
|      |     | L 601,602 CHIP SOLID INDUCTOR    | QTL1013         | X 9001               |     | CRYSTAL OSCILLATOR          | ASS7102       |
|      |     | L 603,606,905,906 CHIP BEADS     | ATL7010         | X 9002               |     | CRYSTAL OSCILLATOR          | ASS7101       |
|      |     | L 604,605 CHIP SOLID INDUCTOR    | QTL1013         | X 9501               |     | CRYSTAL (25 MHz)            | ASS7098       |
|      |     | L 607,907 CHIP SOLID INDUCTOR    | QTL1013         | CN 601               |     | 39P CONNECTOR               | VKN2098       |
|      |     | L 908,916 CHIP SOLID INDUCTOR    | QTL1013         | CN 602,603,1501,1502 |     | 20P SOCKET                  | AKP7249       |
|      |     | L 909-911,1101,1102 CHIP BEADS   | ATL7010         | CN 1503              |     | CONNECTOR                   | AKM1276       |
| D    |     | L 1104,1508 CHIP SOLID INDUCTOR  | QTL1013         | CN 9301,9302         |     | SOCKET(30PL)                | BKP1047       |
|      |     | L 1106 INDUCTOR                  | CTF1295         | CN 9303              |     | 15P SOCKET                  | XKP3078       |
|      |     | L 1202,1208-1210,1601 CHIP BEADS | ATL7010         | CN 9304              |     | 11P SOCKET                  | XKP3076       |
|      |     | L 1204-1207,1211-1216 INDUCTOR   | CTF1473         | CN 9501              |     | 5P CONNECTOR                | VKN1374       |
|      |     | L 1219,1220,1620,1621 INDUCTOR   | CTF1473         | CN 9801              |     | CONNECTOR                   | B7B-EH        |
|      |     | L 1501 FILTER                    | CTF1703         | JH 9801,9803         |     | PCB BINDER                  | VEF1040       |
|      |     | L 1502-1504 INDUCTOR             | ATL7033         |                      |     |                             |               |
|      |     | L 1505-1507 INDUCTOR             | ATL7035         | <b>RESISTORS</b>     |     |                             |               |
|      |     | L 1509 INDUCTOR                  | LCTC100K2125    | R 113,9061-9064      |     |                             | RAB4CQ221J    |
|      |     | L 1511-1513 INDUCTOR             | LCTC4R7K2125    | R 114,141            |     |                             | RS1/10SR43R0D |
| E    |     | L 1602,1605-1608 CHIP BEADS      | ATL7010         | R 126                |     |                             | RS1/16SS4700D |
|      |     | L 1603,1604 CHIP SOLID INDUCTOR  | QTL1013         | R 128                |     |                             | RS1/16SS6800D |
|      |     | L 1609-1616 COIL                 | ATH7064         | R 145,146            |     |                             | RS1/10SR1000D |
|      |     | L 1619 INDUCTOR                  | CTF1386         | R 150,165,415-422    |     |                             | RAB4CQ103J    |
|      |     | L 1624-1626,1629,9804 CHIP BEADS | ATL7010         | R 229,238,261,269    |     |                             | RAB4CQ473J    |
|      |     | L 1801-1806 CHIP SOLID INDUCTOR  | QTL1013         | R 245,303,1121,1122  |     |                             | RS1/10SR0R0J  |
|      |     | L 1808,1809 CHIP SOLID INDUCTOR  | QTL1013         | R 263,1564           |     |                             | RS1/16SS4700F |
|      |     | L 1811-1815 CHIP SOLID INDUCTOR  | QTL1013         | R 264,265,293,294    |     |                             | RS1/16SS1001F |
|      |     | L 9001,9002 CHIP SOLID INDUCTOR  | QTL1013         | R 288,686,947,950    |     |                             | RAB4CQ473J    |
|      |     | L 9003,9303 INDUCTOR             | CTF1473         | R 409,424-426        |     |                             | RAB4CQ560J    |
|      |     | L 9004 CHIP SOLID INDUCTOR       | QTL1013         | R 431-434,1216,1217  |     |                             | RAB4CQ103J    |
|      |     | L 9006-9009 CHIP SOLID INDUCTOR  | QTL1013         | R 435,436,441,442    |     |                             | RAB4CQ330J    |
|      |     | L 9011-9013 CHIP SOLID INDUCTOR  | QTL1013         | R 448-450,455        |     |                             | RAB4CQ330J    |
|      |     | L 9014 INDUCTOR                  | CTF1379         |                      |     |                             |               |
| F    |     | L 9015-9024 CHIP SOLID INDUCTOR  | QTL1013         |                      |     |                             |               |



**Mark No. Description**

**Part No.**

**Mark No. Description**

**Part No.**

A

C 656,661-664,671 CKSSYB104K10  
 C 659,681,688,697 CCSSCH101J50  
 C 673,692-696 CCSSCH102J50  
 C 674,679,680,915 CKSSYB104K10  
 C 698-701,704,713 CCSSCH102J50

C 1246,1256,1268,1278 CCSSCH101J50  
 C 1253,1282,1296,1301 CKSSYB104K10  
 C 1272,1276,1285,1289 CKSSYB104K16  
 C 1274,1294,1299,1311 CCSSCH102J50  
 C 1286,1322,1339,1392 CCSSCH101J50

C 705-708,717,718 CCSSCH101J50  
 C 714,726-731,739 CCSSCH102J50  
 C 720,721,756,757 CCSSCH101J50  
 C 749-751,758 CCSSCH102J50  
 C 761,1008,1144,1313 CCSSCH100D50

C 1297,1305,1318,1319 CKSSYB104K16  
 C 1298,1345,1363-1366 CCSSCH471J50  
 C 1323,1325,1333,1346 CCSSCH102J50  
 C 1324,1328,1334,1342 CKSSYB104K16  
 C 1326 CCSSCH7R0C50

B

C 901-904,906,916 CCSSCH102J50  
 C 910,914,931,938 CCSSCH471J50  
 C 911 CEVW470M4  
 C 918,921,924,928 CKSSYB104K10  
 C 919,930,934,945 CCSSCH102J50

C 1341,1362,1367-1370 CKSSYB104K10  
 C 1343,1380,1384,1390 CKSSYB104K16  
 C 1347,1381,1388,1395 CCSSCH102J50  
 C 1371,1389,1430,1432 CCSSCH471J50  
 C 1385,1429,1431,1509 CKSSYB104K10

C 920,965,970,1000 CCSSCH101J50  
 C 922 CEVLW470M6R3  
 C 925,1214,1349-1351 CKSSYB105K6R3  
 C 929,933,937,940 CKSSYB104K10  
 C 936,942,1518,1526 CCSSCH8R0D50

C 1391,1394,1398,1408 CKSSYB104K16  
 C 1393,1410,1426,1541 CCSSCH101J50  
 C 1401,1411,1424,1501 CCSSCH102J50  
 C 1409,1425,1559,1655 CKSSYB104K16  
 C 1502,1534,1537,1569 CCSSCH102J50

C

C 939,944,950,952 CCSSCH471J50  
 C 941,1206,1213,1223 CKSSYB104K16  
 C 943,946,947,951 CKSSYB104K10  
 C 949,968,978,988 CCSSCH102J50  
 C 953,956-958,960 CKSSYB104K10

C 1505-1508,1605,1606 CKSQYB106K6R3  
 C 1511-1516,1535 CKSSYB104K10  
 C 1520-1522 CCSSCH7R0D50  
 C 1523-1525 CCSSCH5R0C50  
 C 1527-1529,1538-1540 CCSSCH180J50

C 954,955,959,962 CCSSCH471J50  
 C 961,964,966,969 CKSSYB104K10  
 C 963,967,971,974 CCSSCH471J50  
 C 972,1123,1126,1136 CKSSYB103K16  
 C 973,976,980,984 CKSSYB104K10

C 1530-1532 CCSSCH4R0C50  
 C 1533,1854,9056,9090 CKSQYB225K10  
 C 1550 CCSSCH560J50  
 C 1552-1554 CCSSCH390J50  
 C 1555-1557,1607 CKSSYB104K10

C 975,983,991,993 CCSSCH471J50  
 C 979,981,1543-1545 CCSSCH470J50  
 C 987,990,992,997 CKSSYB104K10  
 C 989,1687,1689,1694 CKSRYB105K10  
 C 995,1004,1009,1011 CCSSCH102J50

C 1564,1609,1615,1619 CCSSCH101J50  
 C 1566,1608,1610,1612 CKSSYB105K6R3  
 C 1571,1572,1601,1602 CCSSCH102J50  
 C 1611,1613,1617,1621 CCSSCH471J50  
 C 1614,1616,1618,1620 CKSSYB105K6R3

D

C 998,1003,1103,1109 CKSSYB104K10  
 C 999,1150,1212,1221 CCSSCH471J50  
 C 1001,1010,1012,1014 CCSSCH101J50  
 C 1013,9874 ACH7306  
 C 1101,1106,1107,1112 CCSSCH102J50

C 1622,1624,1626,1641 CKSSYB105K6R3  
 C 1623,1627,1637,1639 CCSSCH471J50  
 C 1625,1628,1629,1636 CCSSCH101J50  
 C 1630-1632,1634,1635 CKSSYB104K10  
 C 1633,1662,1663,1670 CCSSCH102J50

C 1104,1110,1121,1231 CCSSCH101J50  
 C 1105,1113,9336,9345 CCSSCH270J50  
 C 1111,1118,1119,1128 CKSSYB104K10  
 C 1117,1120,1127,1131 CCSSCH102J50  
 C 1125 CKSSYB823K10

C 1638,1648,1649,1714 CCSSCH101J50  
 C 1640,1642,1653,1659 CKSSYB104K10  
 C 1643,1651,1657,1696 CKSSYB105K6R3  
 C 1644,1645,1652,1654 CCSSCH471J50  
 C 1650,1656,1701,1702 CKSQYB106K6R3

E

C 1130,1142,1145,1147 CKSQYB106K6R3  
 C 1132-1134,1137,1139 CKSSYB104K10  
 C 1138,1270,1646,1647 CKSSYB103K16  
 C 1141,1143,1148,1149 CKSSYB104K10  
 C 1151,1215,1225-1227 CCSSCH102J50

C 1658,1660,1667,1703 CCSSCH471J50  
 C 1661,1666,1707,1822 CKSSYB104K16  
 C 1665,1807,9514,9590 CEVLW101M10  
 C 1671,1698-1700,1704 CCSSCH102J50  
 C 1674-1681,1684-1686 VCG1066

C 1152,1153,1210,1218 CKSSYB104K10  
 C 1155,1205,1211,1228 CKSQYB106K6R3  
 C 1156,1357,1536,1565 CEVW101M16  
 C 1203,1207,1427 CEVLW221M4  
 C 1208,1358,9044,9076 CEVW221M4

C 1688,1690-1693 VCG1066  
 C 1695,1801,1821 CKSRYB105K10  
 C 1697,1712,1718,9024 CKSSYB105K6R3  
 C 1705,1716,1721,1805 CKSSYB104K10  
 C 1706,1717,1823,9033 CCSSCH331J50

F

C 1222 CKSRYB105K16  
 C 1224,1229,1236,1238 CKSSYB104K16  
 C 1230,1352-1354,1428 CKSQYB106K6R3  
 C 1240,1243,1254,1267 CKSSYB104K16  
 C 1244,1248,1251,1252 CCSSCH102J50

C 1708,1713,1826,1827 CCSSCH471J50  
 C 1709,1715,1720,9025 CCSSCH102J50  
 C 1710,1711,1816,1818 CKSQYB106K6R3  
 C 1719,1802,1812,9014 CCSSCH101J50  
 C 1803,1829,1844,9078 CEVW101M16



Mark No. Description

Part No.

Mark No. Description

Part No.

A

IC 403,404 K4H561638J-LCB3  
 IC 602 341S2164  
 IC 604 PE7008A  
 IC 607,9302,9304 BU4094BCFV  
 IC 608,613,9307 TC74VHCT08AFKS1



Q 9301 LTC114EUB  
 Q 9306 LSA1576UB  
 Q 9307 RN4903  
 Q 9801,9802 SP8M2  
 D 601 RB501V-40

IC 609 TC74VHCT541AFK  
 IC 610 TC7WH08FU  
 IC 611,9014,9306 TC74VHC126FK  
 IC 612,1805 TC74VHCT125AFK  
 IC 614,9011 TC74VHC08FK

D 602-606,9806 1SS352  
 D 607,1801,1802 HZU5R6(B2)  
 D 901,905,906 1SS301  
 D 1601,1602 UDZS5R1(B)  
 D 9814 1SR154-400

IC 901 TC74VHC153FK  
 IC 903,907 S-24CS02AFT  
 IC 904 SII9233ACTU  
 IC 905,909 TC7MB3257FK  
 IC 906 CXB1444R

MISCELLANEOUS

L 102 INDUCTOR ATL7049  
 L 103 INDUCTOR LGTC150K2125  
 L 104 INDUCTOR ATL7045  
 L 105,106 CHIP SOLID INDUCTOR QTL1013  
 L 601,602 CHIP SOLID INDUCTOR QTL1013

B

IC 908 TC74VHC541FK  
 IC 1102 ADV7181CBSTZ  
 IC 1202 TC74LCX541FK  
 IC 1203,1217,1218 TC7SZ125FU  
 IC 1204 88DE2750

L 603,606,905,906 CHIP BEADS ATL7010  
 L 607,907 CHIP SOLID INDUCTOR QTL1013  
 L 908,916 CHIP SOLID INDUCTOR QTL1013  
 L 909-911,1101,1102 CHIP BEADS ATL7010  
 L 1104,1508 CHIP SOLID INDUCTOR QTL1013

IC 1205-1211,1215 TC74VCX541FK  
 IC 1212 EDE5116AJBG-8E-E  
 IC 1216 LP2996M  
 IC 1502,1605,1606,1801 AAT4614AIGU-2  
 IC 1602,1603 SII9134CTU

L 1106 INDUCTOR CTF1295  
 L 1202,1208-1210,1601 CHIP BEADS ATL7010  
 L 1204-1207,1211-1216 INDUCTOR CTF1473  
 L 1219,1220,1620,1621 INDUCTOR CTF1473  
 L 1501 FILTER CTF1703

C

IC 1604,1809-1811 TC74VHC157FK  
 IC 1607,9002 TC7SH32FUS1  
 IC 1802,9812 R1172H501D  
 IC 1803 BU9450KV  
 IC 1806,1815 TC74VHC125FK

L 1502-1504 INDUCTOR ATL7033  
 L 1505-1507 INDUCTOR ATL7035  
 L 1509 INDUCTOR LGTC100K2125  
 L 1511-1513 INDUCTOR LGTC4R7K2125  
 L 1602,1605-1608 CHIP BEADS ATL7010

IC 1808,1814,9015 TC74LCX157FK  
 IC 1816,9008 NJM2872BF33  
 IC 9001 AYW7334  
 IC 9003 DSPA56720AG  
 IC 9004 IS42S16400F-6TL

L 1603,1604 CHIP SOLID INDUCTOR QTL1013  
 L 1609-1616 COIL ATH7064  
 L 1619 INDUCTOR CTF1386  
 L 1624-1626,1629,9511 CHIP BEADS ATL7010  
 L 1801-1806 CHIP SOLID INDUCTOR QTL1013

D

IC 9005,9006 TC74LCX573FK  
 IC 9009 ICS87002BM-05  
 IC 9010 TC7WH157FU  
 IC 9013,9016 TC74LCX08FK  
 IC 9018 TC7WH126FU

L 1808 CHIP SOLID INDUCTOR QTL1013  
 L 1811-1815 CHIP SOLID INDUCTOR QTL1013  
 L 9001,9002 CHIP SOLID INDUCTOR QTL1013  
 L 9003,9303 INDUCTOR CTF1473  
 L 9004 CHIP SOLID INDUCTOR QTL1013

IC 9301 TC7SH08FUS1  
 IC 9305 TC74VHC04FK  
 IC 9308 AAT4614AIGU-2  
 IC 9506 LAN9211-ABZJ  
 IC 9801 MB39C011A

L 9006-9009 CHIP SOLID INDUCTOR QTL1013  
 L 9011-9013 CHIP SOLID INDUCTOR QTL1013  
 L 9014 INDUCTOR CTF1379  
 L 9015-9020 CHIP SOLID INDUCTOR QTL1013  
 L 9022-9024 CHIP SOLID INDUCTOR QTL1013

E

IC 9804 NJM2846DL3-18  
 IC 9806,9815 S-1172B10-U5  
 IC 9809 S-1170B25UC-OTK  
 IC 9810 MM1701WH  
 IC 9811 NJM2846DL3-33

L 9301,9302 CHIP SOLID INDUCTOR QTL1013  
 L 9512,9808 CHIP SOLID INDUCTOR QTL1013  
 L 9513,9514 COIL ATH7082  
 L 9803 INDUCTOR ATH7087  
 L 9804,9809,9810 CHIP BEADS ATL7010

IC 9813 S-1172B12-U5  
 Q 101,102,607 LSA1576UB  
 Q 601,603,9302-9305 LTA124EUB  
 Q 602 LTC124EUB  
 Q 608,1509-1511 LSC4081UB

L 9806 INDUCTOR ATH7086  
 F 101-111 EMI FILTER DTL1106  
 JA 901-904,906 HDMI CONNECTOR AKP7254  
 JA 905 HDMI CONNECTOR AKP7255  
 JA 1601,1602 HDMI CONNECTOR AKP7254

F

Q 901,903,904,1601 LTC114YUB  
 Q 902 HN1K02FU  
 Q 1501-1504,1506-1508 LSA1576UB  
 Q 1602 LTC114YUB  
 Q 1603,1604 UMB1N



|   | <u>Mark No. Description</u> | <u>Part No.</u> | <u>Mark No. Description</u> | <u>Part No.</u> |
|---|-----------------------------|-----------------|-----------------------------|-----------------|
| A | C 163,9339,9340             | CCSSCH221J50    | C 969,973,976,980           | CKSSYB104K10    |
|   | C 166,430,436               | CEVLW101M4      | C 972,1123,1126,1136        | CKSSYB103K16    |
|   | C 167,169,170,177           | CKSSYB105K6R3   | C 979,981,1543-1545         | CCSSCH470J50    |
|   | C 171,173,174,176           | CCSSCH102J50    | C 983,991,993,999           | CCSSCH471J50    |
|   | C 178,194,9610              | CEVW101M4       | C 984,987,990,992           | CKSSYB104K10    |
| B | C 180                       | CCSSCH151J50    | C 989,1687,1689,1694        | CKSSYB105K10    |
|   | C 183,187,408,410           | CKSSYB105K6R3   | C 995,1004,1009,1011        | CCSSCH102J50    |
|   | C 185,604,657,910           | CCSSCH471J50    | C 997,998,1003,1103         | CKSSYB104K10    |
|   | C 186,9337,9338             | CEVW100M16      | C 1001,1010,1012,1014       | CCSSCH101J50    |
|   | C 190,203,412,415           | CCSSCH102J50    | C 1008,1144,1313,9360       | CCSSCH100D50    |
| C | C 191,193,195,196           | CKSSYB104K16    | C 1101,1106,1107,1112       | CCSSCH102J50    |
|   | C 200,9614,9615             | CCSSCH120J50    | C 1104,1110,1121,1231       | CCSSCH101J50    |
|   | C 201,601,602,761           | CCSSCH100D50    | C 1105,1113,9345            | CCSSCH270J50    |
|   | C 202,603,607,610           | CKSSYB104K10    | C 1109,1111,1118,1119       | CKSSYB104K10    |
|   | C 407,409,417,428           | CKSSYB104K16    | C 1117,1120,1127,1131       | CCSSCH102J50    |
| D | C 413,414,416,418           | CKSSYB105K6R3   | C 1125                      | CKSSYB823K10    |
|   | C 419,432,438,606           | CKSSYB103K16    | C 1128,1132-1134,1137       | CKSSYB104K10    |
|   | C 420,427,433,439           | CCSSCH102J50    | C 1130,1142,1145,1147       | CKSQYB106K6R3   |
|   | C 421,422,426,429           | CKSSYB105K6R3   | C 1138,1270,1646,1647       | CKSSYB103K16    |
|   | C 423,631,647,1561          | CCSSCH331J50    | C 1139,1141,1143,1148       | CKSSYB104K10    |
| E | C 424,425,912,923           | CKSQYB106K6R3   | C 1146,1156,1357,1536       | CEVW101M16      |
|   | C 431,434,437,913           | CKSSYB105K6R3   | C 1149,1152,1153,1210       | CKSSYB104K10    |
|   | C 435,440,905,917           | CKSSYB104K16    | C 1150,1212,1221,1298       | CCSSCH471J50    |
|   | C 441,442,618-621           | CCSSCH102J50    | C 1151,1215,1225-1227       | CCSSCH102J50    |
|   | C 608,982,1102,1108         | CEVW101M16      | C 1155,1205,1211,1228       | CKSQYB106K6R3   |
| F | C 613,615-617,622           | CKSSYB104K10    | C 1203,1207,1427            | CEVLW221M4      |
|   | C 614,653,684,948           | CKSSYB103K16    | C 1218,1253,1282,1296       | CKSSYB104K10    |
|   | C 623,624,633,635           | CCSSCH102J50    | C 1222                      | CKSSYB105K16    |
|   | C 626,628,632,637           | CKSSYB104K10    | C 1224,1229,1236,1238       | CKSSYB104K16    |
|   | C 638,640,642-645           | CKSSYB104K10    | C 1230,1352-1354,1428       | CKSQYB106K6R3   |
| G | C 639,641,648-650           | CCSSCH102J50    | C 1240,1243,1254,1267       | CKSSYB104K16    |
|   | C 654,656,661-664           | CKSSYB104K10    | C 1244,1248,1251,1252       | CCSSCH102J50    |
|   | C 655,994,1558,1664         | CEVLW101M10     | C 1246,1256,1268,1278       | CCSSCH101J50    |
|   | C 659,681,688,697           | CCSSCH101J50    | C 1272,1276,1285,1289       | CKSSYB104K16    |
|   | C 660,672,673               | CCSSCH102J50    | C 1274,1294,1299,1311       | CCSSCH102J50    |
| H | C 671,674,679,680           | CKSSYB104K10    | C 1286,1322,1339,1392       | CCSSCH101J50    |
|   | C 692-696,698-701           | CCSSCH102J50    | C 1297,1305,1318,1319       | CKSSYB104K16    |
|   | C 704,713,714               | CCSSCH102J50    | C 1301,1341,1362            | CKSSYB104K10    |
|   | C 705-708,717,718           | CCSSCH101J50    | C 1323,1325,1333,1346       | CCSSCH102J50    |
|   | C 720,721,756,757           | CCSSCH101J50    | C 1324,1328,1334,1342       | CKSSYB104K16    |
| I | C 726-731,739               | CCSSCH102J50    | C 1326                      | CCSSCH7R0C50    |
|   | C 749-751,758               | CCSSCH102J50    | C 1343,1380,1384,1390       | CKSSYB104K16    |
|   | C 901-904,906,916           | CCSSCH102J50    | C 1345,1363-1366,1371       | CCSSCH471J50    |
|   | C 911                       | CEVW470M4       | C 1347,1381,1388,1395       | CCSSCH102J50    |
|   | C 914,931,938,939           | CCSSCH471J50    | C 1358,9044,9076,9093       | CEVW221M4       |
| J | C 915,918,921,924           | CKSSYB104K10    | C 1367-1370,1385,1429       | CKSSYB104K10    |
|   | C 919,930,934,945           | CCSSCH102J50    | C 1389,1430,1432,1611       | CCSSCH471J50    |
|   | C 920,965,970,1000          | CCSSCH101J50    | C 1391,1394,1398,1408       | CKSSYB104K16    |
|   | C 922                       | CEVLW470M6R3    | C 1393,1410,1426,1541       | CCSSCH101J50    |
|   | C 925,1214,1349-1351        | CKSSYB105K6R3   | C 1401,1411,1424,1501       | CCSSCH102J50    |
| K | C 928,929,933,937           | CKSSYB104K10    | C 1409,1425,1559,1655       | CKSSYB104K16    |
|   | C 936,942,1518,1526         | CCSSCH8R0D50    | C 1431,1509,1511-1516       | CKSSYB104K10    |
|   | C 940,943,946,947           | CKSSYB104K10    | C 1502,1534,1537,1569       | CCSSCH102J50    |
|   | C 941,1206,1213,1223        | CKSSYB104K16    | C 1505-1508,1605,1606       | CKSQYB106K6R3   |
|   | C 944,950,952,954           | CCSSCH471J50    | C 1520-1522                 | CCSSCH7R0D50    |
| L | C 949,968,978,988           | CCSSCH102J50    | C 1523-1525                 | CCSSCH5R0C50    |
|   | C 951,953,956-958           | CKSSYB104K10    | C 1527-1529,1538-1540       | CCSSCH180J50    |
|   | C 955,959,962,963           | CCSSCH471J50    | C 1530-1532                 | CCSSCH4R0C50    |
|   | C 960,961,964,966           | CKSSYB104K10    | C 1533,1854,9056,9090       | CKSQYB225K10    |
|   | C 967,971,974,975           | CCSSCH471J50    | C 1535,1555-1557,1607       | CKSSYB104K10    |



| Mark | No. | Description    | Part No.   |
|------|-----|----------------|------------|
|      | D   | 7002,7003,7014 | 1SS352     |
|      | D   | 7004           | DAN202U    |
| A    | D   | 7006,7011      | HZU5R1(B2) |
|      | D   | 7007,7009      | 1SS357     |
|      | D   | 7008,7010      | SIM-20STS1 |
|      | D   | 7012           | UDZS3R3(B) |
| ⚠    | D   | 7015,7016      | D3SBA20(B) |
|      | D   | 7017,7018      | PTZ9R1(B)  |
|      | D   | 7021           | RB411D     |
|      | D   | 7022-7024      | 1SS352     |

| Mark | No. | Description         | Part No.     |
|------|-----|---------------------|--------------|
|      | C   | 7080,7082,7084,7088 | CCSRCH102J50 |
|      | C   | 7085,7090,7093,7097 | CKSRYP104K50 |
|      | C   | 7089,7091,7092,7096 | CCSRCH102J50 |
|      | C   | 7095                | CEAK100M50   |
|      | C   | 7101-7103,7105,7107 | CCSRCH101J50 |
|      | C   | 7104,7106           | CFTLA394J50  |
|      | C   | 7108                | CEAK470M25   |
|      | C   | 7112                | CEAK221M16   |
|      | C   | 7113                | CCSRCH331J50 |
|      | C   | 7114                | CKSRYP104K50 |
|      | C   | 7115-7119           | CCSRCH101J50 |
|      | C   | 7120,7121           | CKSQYB105K16 |

**MISCELLANEOUS**

|    |                |                     |         |
|----|----------------|---------------------|---------|
| L  | 7001           | CHIP SOLID INDUCTOR | ATL7002 |
| L  | 7002-7007      | CHIP SOLID INDUCTOR | QTL1013 |
| H  | 7001-7004      | FUSE CLIP           | AKR1004 |
| JA | 7001,7003,7004 | JACK                | AKN-209 |
| JA | 7002           | MINI JACK           | QKN1013 |

|    |           |                   |          |
|----|-----------|-------------------|----------|
| JA | 7005      | JACK              | VKB1243  |
| KN | 7001      | SCREW PLATE       | VNE1948  |
| KN | 7002      | WRAPPING TERMINAL | VNF1084  |
| KN | 7005-7007 | WRAPPING TERMINAL | VNF1084  |
| CN | 7002,7005 | 7P PLUG           | KM2001B7 |

|    |      |           |           |
|----|------|-----------|-----------|
| CN | 7003 | 19P PLUG  | XKP3069   |
| CN | 7004 | 21P PLUG  | XKP3070   |
| CN | 7006 | CONNECTOR | 9604S-17C |
| CN | 7007 | 17P PLUG  | XKP3068   |
| CN | 7008 | 15P PLUG  | XKP3067   |

|    |           |                 |              |
|----|-----------|-----------------|--------------|
| CN | 7009      | 4P PLUG         | KM2001B4     |
|    | 7001-7004 | HEAT SINK(AL)   | ANH7224      |
|    | 7021-7024 | SCREW           | BBZ30P080FCC |
| JH | 7001      | PCB BINDER      | VEF1040      |
| JP | 7001      | 2P HOUSING ASSY | ADX7725      |

|   |      |                      |              |
|---|------|----------------------|--------------|
| U | 7001 | REMOTE RECEIVER UNIT | GP1UE284QKC1 |
|---|------|----------------------|--------------|

**RESISTORS**

|   |      |               |
|---|------|---------------|
| R | 7075 | RS1/10SR3001D |
| R | 7076 | RS1/10SR1200D |
| R | 7077 | RS1/10SR1001D |
| R | 7096 | ACN7180       |
| R | 7097 | RS1/4SA0R0J   |

|                 |              |
|-----------------|--------------|
| Other Resistors | RS1/10SR###J |
|-----------------|--------------|

**CAPACITORS**

|   |                     |              |
|---|---------------------|--------------|
| C | 7002-7005,7014,7021 | CCSRCH100D50 |
| C | 7006,7009,7010,7017 | CCSRCH102J50 |
| C | 7007,7011           | CKSRYP104K16 |
| C | 7012,7015,7056,7057 | CKSRYP104K50 |
| C | 7013,7016,7020,7027 | CKSRYP103K50 |

|   |                     |              |
|---|---------------------|--------------|
| C | 7019,7024,7076,7078 | CCSRCH102J50 |
| C | 7025,7029,7031      | CCSRCH471J50 |
| C | 7026,7100           | CCSRCH100D50 |
| C | 7028                | CEAK101M16   |
| C | 7030,7032,7066      | CKSRYP103K50 |

|   |                     |              |
|---|---------------------|--------------|
| C | 7038,7039           | CFTLA274J50  |
| C | 7048,7049           | CEAK332M25   |
| C | 7062,7063,7071,7072 | CEAK101M25   |
| C | 7065                | CKSRYP334K25 |
| C | 7077,7079,7081,7083 | CKSRYP104K50 |

**COMPONENT ASSY SEMICONDUCTORS**

|    |           |             |
|----|-----------|-------------|
| IC | 8301      | NJW1327FU1  |
| IC | 8401      | NJM2505AF   |
| IC | 8501      | PDC162A     |
| IC | 8601      | HIN202EIBNZ |
| Q  | 8301,8604 | LSA1576UB   |

|   |                     |             |
|---|---------------------|-------------|
| Q | 8302,8501,8603      | LSC4081UB   |
| Q | 8303,8605           | RT1N141M-11 |
| ⚠ | Q 8401              | 2SD1664     |
| ⚠ | Q 8402              | 2SB1132     |
| D | 8301,8302,8601,8605 | 1SS352      |

|   |           |            |
|---|-----------|------------|
| D | 8401      | DAN217U    |
| D | 8404,8408 | UDZS3R9(B) |

**MISCELLANEOUS**

|    |                |                                  |              |
|----|----------------|----------------------------------|--------------|
| L  | 8501           | CHIP COIL                        | LCYA330J2520 |
| JA | 8301           | 6P PIN JACK NI                   | AKB7224      |
| JA | 8302,8304,8305 | 3P PIN JACK NI                   | AKB7227      |
| JA | 8601           | 9P D-SUB SOCKET                  | AKP7256      |
| X  | 8501           | CRYSTAL RESONATOR (14.31818 MHz) | ASS7080      |

|    |           |                 |           |
|----|-----------|-----------------|-----------|
| CN | 8301-8303 | 20P PLUG        | AKM7171   |
| CN | 8401      | PLUG(2P)        | KM200NA2L |
| JP | 8402      | 4P HOUSING ASSY | ADX7724   |

**RESISTORS**

|                 |                     |               |
|-----------------|---------------------|---------------|
| R               | 8301-8309           | RS1/10SR75R0F |
| R               | 8310,8312,8314,8316 | RS1/10SR68R0D |
| R               | 8318,8320           | RS1/10SR68R0D |
| R               | 8417,8418           | RS1/8SQ105J   |
| Other Resistors |                     | RS1/10SR###J  |

**CAPACITORS**

|   |                     |               |
|---|---------------------|---------------|
| C | 8301,8302,8383,8417 | CEAK101M16    |
| C | 8303,8319,8320,8333 | CCSRCH102J50  |
| C | 8304,8306,8308,8314 | CKSRYP104K16  |
| C | 8305,8307,8309,8310 | CKSQYB106K6R3 |
| C | 8311,8312,8330,8331 | CKSRYP103K50  |

|   |                     |               |
|---|---------------------|---------------|
| C | 8313,8315,8317,8318 | CKSQYB106K6R3 |
| C | 8316,8323,8325,8327 | CKSRYP104K16  |
| C | 8321,8322,8324,8326 | CKSQYB106K6R3 |
| C | 8328,8336,8337,8344 | CKSRYP104K16  |
| C | 8334,8378,8389,8403 | CCSRCH102J50  |

|   |                     |               |
|---|---------------------|---------------|
| C | 8335,8376,8377,8379 | CCSRCH100D50  |
| C | 8338,8339,8360,8402 | CKSRYP103K50  |
| C | 8340                | CKSQYB105K16  |
| C | 8341-8343,8345,8346 | CKSQYB106K6R3 |
| C | 8347,8349,8395,8401 | CKSRYP104K16  |

| Mark | No.                 | Description | Part No.      |
|------|---------------------|-------------|---------------|
| C    | 8348,8404,8405,8409 |             | CKSQYB106K6R3 |
| C    | 8354,8355,8381,8382 |             | CKSRYP105K10  |
| C    | 8358,8359           |             | CCSRCH470J50  |
| C    | 8384,8385,8388      |             | CKSRYP473K50  |
| C    | 8386                |             | CKSRYP562K50  |
| C    | 8387,8390           |             | CKSRYP105K10  |
| C    | 8406,8407,8503,8509 |             | CCSRCH101J50  |
| C    | 8408,8410,8413,8415 |             | CCSRCH102J50  |
| C    | 8414                |             | CKSQYB106K6R3 |
| C    | 8418,8520,8521,8613 |             | CEAK101M16    |
| C    | 8419,8420           |             | CEAK221M16    |
| C    | 8421,8422,8501,8513 |             | CCSRCH102J50  |
| C    | 8504,8505           |             | CCSRCH5R0C50  |
| C    | 8506,8508           |             | CCSRCH240J50  |
| C    | 8507,8510           |             | CKSRYP122K50  |
| C    | 8511,8512,8614      |             | CCSRCH101J50  |
| C    | 8515,8601,8607      |             | CKSRYP103K50  |
| C    | 8522,8523,8602      |             | CKSRYP104K16  |
| C    | 8604-8606           |             | CKSRYP104K16  |
| C    | 8608                |             | CCSRCH471J50  |
| C    | 8610                |             | CCSRCH331J50  |
| C    | 8611,8612           |             | CCSRCH100D50  |

## I COMPOSITE ASSY

### SEMICONDUCTORS

|   |                     |           |
|---|---------------------|-----------|
| Q | 3601,3604,3605,3608 | LSA1576UB |
| Q | 3602,3603,3606,3607 | HN1C01FU  |

### MISCELLANEOUS

|    |                       |         |
|----|-----------------------|---------|
| JA | 3601-3603 2P PIN JACK | AKB7229 |
| JA | 3604,3605 1P PIN JACK | AKB7231 |
| CN | 3601 20P SOCKET       | AKP7249 |

### RESISTORS

|   |                     |               |
|---|---------------------|---------------|
| R | 3606,3609,3616,3627 | RS1/10SR68R0D |
| R | 3629-3632           | RS1/10SR75R0F |
|   | Other Resistors     | RS1/10SR###J  |

### CAPACITORS

|   |                     |              |
|---|---------------------|--------------|
| C | 3602,3603,3605,3606 | CKSRYP104K16 |
| C | 3607,3618-3620      | CCSRCH181J50 |
| C | 3608,3610,3612,3613 | CKSRYP104K16 |
| C | 3614,3617           | CCSRCH102J50 |
| C | 3615,3616           | CKSRYP104K16 |
| C | 3621-3624           | CEAK101M16   |

## J MIC HP ASSY

### SEMICONDUCTORS

|    |                |           |
|----|----------------|-----------|
| IC | 6201           | NJM4565MD |
| D  | 6201,6202      | 1SS302    |
| D  | 6203,6205,6206 | UDZ5R1(B) |

### MISCELLANEOUS

|    |                             |           |
|----|-----------------------------|-----------|
| JA | 6201 JACK                   | VKB1243   |
| JA | 6351 PHONE JACK             | AKN7029   |
| JA | 6352 JACK                   | AKB7219   |
| KN | 6202,6203 WRAPPING TERMINAL | VNF1084   |
| CN | 6251 CONNECTOR              | 9604S-15C |

| Mark | No. | Description | Part No. |
|------|-----|-------------|----------|
|------|-----|-------------|----------|

### RESISTORS

|   |                 |               |
|---|-----------------|---------------|
| R | 6357            | RS1/10SR75R0F |
|   | Other Resistors | RS1/10SR###J  |

### CAPACITORS

|   |                     |               |
|---|---------------------|---------------|
| C | 6204,6228,6231,6232 | CKSRYP103K50  |
| C | 6209                | CKSRYP105K6R3 |
| C | 6212                | CKSRYP471K50  |
| C | 6213,6219           | CEJQ100M16    |
| C | 6216,6218,6362      | CCSRCH101J50  |
| C | 6222,6227           | CCSRCH330J50  |
| C | 6224                | CKSRYP104K16  |
| C | 6229,6241,6242      | CCSRCH102J50  |
| C | 6234,6235           | CEAK101M16    |
| C | 6237                | CEAK100M50    |
| C | 6353,6354           | CKSRYP822K50  |

## K DISPLAY ASSY

### SEMICONDUCTORS

|    |                     |                  |
|----|---------------------|------------------|
| IC | 8001                | PDC197A8         |
| IC | 8002                | GP1UE274XKC1     |
| IC | 8004                | S-1200B33-M5     |
| IC | 8201                | PE5615A          |
| IC | 8202                | PST8248N         |
| Q  | 8001-8011           | LTC124EUB        |
| Q  | 8012                | 2SK2034          |
| D  | 8001,8003,8005,8007 | SLR343BC4T(JKLM) |
| D  | 8009,8013           | SLR343BC4T(JKLM) |
| D  | 8011                | SLR343WBCT(MNPQ) |
| D  | 8016                | 1SS302           |
| D  | 8019                | RB751V-40        |
| D  | 8201                | MC2848-11        |

### MISCELLANEOUS

|    |                                    |             |
|----|------------------------------------|-------------|
| J  | 9998 JUMPER WIRE                   | D20PYY0310E |
| J  | 9999 JUMPER WIRE                   | D20PYY0410E |
| KN | 8201 FL HOLDER(FE)                 | VNF1096     |
| V  | 8201 FL TUBE DISPLAY               | AAV7115     |
| S  | 8001-8012,8015-8020 SWITCH         | ASG7029     |
| S  | 8023 SWITCH                        | ASG7029     |
| S  | 8024 ROTARY ENCODER                | ASX7051     |
| X  | 8002 CRYSTAL OSCILLATOR (15.0 MHz) | CSS1653     |
| X  | 8201 CERAMIC RESONATOR (5.00 MHz)  | VSS1142     |
| CN | 8002 9P CONNECTOR                  | VKN1852     |
| CN | 8006 4P CONNECTOR                  | VKN1819     |
| CN | 8202 39P CONNECTOR                 | VKN2098     |

### RESISTORS

|  |               |              |
|--|---------------|--------------|
|  | All Resistors | RS1/10SR###J |
|--|---------------|--------------|

### MISCELLANEOUS

|    |                      |            |
|----|----------------------|------------|
| JH | 8001 3P CABLE HOLDER | 51048-0300 |
| JH | 8003 4P CABLE HOLDER | 51048-0400 |
| JP | 8004 7P HOUSING ASSY | ADX7728    |
| JP | 8005 4P HOUSING ASSY | ADX7735    |

### CAPACITORS

|   |                     |              |
|---|---------------------|--------------|
| C | 8001,8003,8004,8006 | CCSRCH101J50 |
| C | 8002,8005           | CCSRCH470J50 |
| C | 8007,8016,8235,8256 | CCSRCH101J50 |
| C | 8009,8018,8225,8227 | CKSRYP104K16 |
| C | 8012,8013           | CCSRCH120J50 |

| Mark | No. | Description         | Part No.     |
|------|-----|---------------------|--------------|
| A    | C   | 8014,8030,8031,8228 | CKSRYB105K10 |
|      | C   | 8015,8017,8201,8224 | CKSRYB104K50 |
|      | C   | 8019-8021,8023,8025 | CCSRCH102J50 |
|      | C   | 8024                | ACH7272      |
|      | C   | 8029,8034,8035,8222 | CKSRYB103K50 |
|      | C   | 8033,8204-8220,8226 | CKSRYB471K50 |
|      | C   | 8202,8223,8230,8233 | CCSRCH102J50 |
|      | C   | 8221                | ACH7268      |
|      | C   | 8229,8232           | CKSRYB104K50 |
|      | C   | 8231,8237,8238      | CEAK470M50   |
| B    | C   | 8236                | CKSRYB105K16 |
|      | C   | 8239                | CEAK221M16   |
|      | C   | 8240                | CCSRCH102J50 |
|      | C   | 8242,8258           | CCSRCH100D50 |
|      | C   | 8244,8245,8251      | CKSRYB103K50 |
|      | C   | 8248                | CEAK101M35   |
|      | C   | 8255                | CKSRYB473K50 |
|      | C   | 8257                | CCSRCH101J50 |
|      | C   | 8259                | CCSRCK2ROC50 |

| Mark              | No.                 | Description | Part No.      |
|-------------------|---------------------|-------------|---------------|
| <b>RESISTORS</b>  |                     |             |               |
| R                 | 6810,6811,6830,6831 |             | RN1/16SC10R0D |
| R                 | 6850,6851,6870,6871 |             | RN1/16SC10R0D |
| R                 | 6890,6891,6910,6911 |             | RN1/16SC10R0D |
| R                 | 6930,6931           |             | RN1/16SC10R0D |
| R                 | 6937-6950           |             | RS1/8SQ225J   |
| R                 | 6951,6952           |             | RS1/8SQ105J   |
|                   | Other Resistors     |             | RS1/10SR###J  |
| <b>CAPACITORS</b> |                     |             |               |
| C                 | 6803,6804,6823,6824 |             | CFHXSQ103J16  |
| C                 | 6807,6808,6817,6818 |             | CCSRCH102J50  |
| C                 | 6827,6828,6837,6838 |             | CCSRCH102J50  |
| C                 | 6843,6844,6863,6864 |             | CFHXSQ103J16  |
| C                 | 6847,6848,6857,6858 |             | CCSRCH102J50  |
| C                 | 6867,6868           |             | CCSRCH102J50  |
| C                 | 6883,6884,6903,6904 |             | CFHXSQ103J16  |
| C                 | 6923,6924           |             | CFHXSQ103J16  |
| C                 | 6931,6932           |             | CKSRYB104K50  |
| C                 | 6933                |             | CCSRCH100D50  |

## L VOL ASSY

### MISCELLANEOUS

|    |      |                 |            |
|----|------|-----------------|------------|
| S  | 5801 | ROTARY ENCODER  | ASX7049    |
| JH | 5801 | 3P CABLE HOLDER | 51048-0300 |

### CAPACITORS

|   |           |  |              |
|---|-----------|--|--------------|
| C | 5801,5802 |  | CKSRYB103K50 |
|---|-----------|--|--------------|

## O ICE INTERFACE ASSY

### MISCELLANEOUS

|    |                     |            |         |
|----|---------------------|------------|---------|
| CN | 3801                | 21P SOCKET | XKP3081 |
| CN | 3802                | 15P SOCKET | XKP3078 |
| CN | 3810,3830,3850      | 5P SOCKET  | XKP3073 |
| CN | 3820,3840,3860,3870 | 6P PLUG    | AKM7174 |

## M POWER SW ASSY

### SEMICONDUCTORS

|   |      |  |                  |
|---|------|--|------------------|
| Q | 5851 |  | LTC143EUB        |
| D | 5852 |  | SLR343BC4T(JKLM) |

### MISCELLANEOUS

|   |      |        |         |
|---|------|--------|---------|
| S | 5851 | SWITCH | ASG7029 |
|---|------|--------|---------|

### RESISTORS

|  |               |  |              |
|--|---------------|--|--------------|
|  | All Resistors |  | RS1/10SR###J |
|--|---------------|--|--------------|

### MISCELLANEOUS

|    |      |                 |            |
|----|------|-----------------|------------|
| JH | 5851 | 4P CABLE HOLDER | 51048-0400 |
|----|------|-----------------|------------|

### CAPACITORS

|   |      |  |              |
|---|------|--|--------------|
| C | 5851 |  | CCSRCH101J50 |
| C | 5852 |  | CKSRYB103K50 |

## P ICEPOWER AMP ASSY

### SEMICONDUCTORS

|    |      |                     |               |
|----|------|---------------------|---------------|
| IC | 4001 |                     | BU7262SFVM    |
| IC | 4003 |                     | TC74VHC04FTS1 |
| IC | 4004 |                     | TC74VHC08FTS1 |
| IC | 4005 |                     | HA17431GLTPA  |
| ⚠  | IC   | 4101,4201,4301,4401 | ICC3-AVR      |

|    |                     |                |           |
|----|---------------------|----------------|-----------|
| IC | 4200,4400,4600,4700 |                | ICC1-AVR  |
| IC | 4202,4402,4602,4702 |                | NJM2068MD |
| IC | 4203,4403,4603,4703 |                | NJM4565MD |
| IC | 4204,4404,4604,4704 |                | NJM12904V |
| ⚠  | IC                  | 4501,4601,4701 | ICC3-AVR  |

|   |                     |      |           |
|---|---------------------|------|-----------|
| ⚠ | IC                  | 4900 | NJM1431AU |
| Q | 4000,4002,4003      |      | LTC124EUB |
| Q | 4001,4020,4111,4211 |      | 2SA1576A  |
| Q | 4004,4006,4008,4010 |      | LTA124EUB |
| Q | 4005,4007,4009,4011 |      | RT1N140M  |

|   |                     |  |           |
|---|---------------------|--|-----------|
| Q | 4012,4013           |  | HN1A01FU  |
| Q | 4015,4021,4109,4209 |  | 2SC4154   |
| Q | 4016                |  | HN1C01FU  |
| Q | 4018                |  | LTA124EUB |
| Q | 4019,4112,4312,4512 |  | RT1N140M  |

|   |                     |                     |            |
|---|---------------------|---------------------|------------|
| ⚠ | Q                   | 4100,4101,4200,4201 | PHB45NQ15T |
| Q | 4102,4104,4202,4204 |                     | 2SC5738    |
| Q | 4103,4105,4203,4205 |                     | 2SA2061    |
| Q | 4106,4206,4306,4406 |                     | IMT4       |
| Q | 4108,4208,4308,4408 |                     | 2SD2704K   |

## N ICE BUFFER ASSY

### SEMICONDUCTORS

|    |                     |  |           |
|----|---------------------|--|-----------|
| IC | 6801,6821,6841,6861 |  | NJM2068MD |
| IC | 6881,6901,6921      |  | NJM2068MD |
| IC | 6922                |  | TC4053BFN |

### MISCELLANEOUS

|    |      |             |         |
|----|------|-------------|---------|
| KN | 6801 | SCREW PLATE | VNE1948 |
| CN | 6801 | 19P SOCKET  | XKP3080 |
| CN | 6811 | 15P PLUG    | XKP3067 |
| CN | 6821 | 21P PLUG    | XKP3070 |

| Mark                 | No.                 | Description                     | Part No.   | Mark             | No.                 | Description  | Part No.       |
|----------------------|---------------------|---------------------------------|------------|------------------|---------------------|--|----------------|
|                      | Q                   | 4110,4210,4310,4410             | 2SA1514K   |                  | CN                  | 4100,4300,4500,4600 6P SOCKET                          | AKP7252        |
| △                    | Q                   | 4300,4301,4400,4401             | PHB45NQ15T |                  | CN                  | 4200,4400,4700 5P PLUG                                 | XKP3062        |
|                      | Q                   | 4302,4304,4402,4404             | 2SC5738    |                  | CN                  | 4901 PLUG(2P)  | KM200NA2       |
|                      | Q                   | 4303,4305,4403,4405             | 2SA2061    |                  | CN                  | 4902 PLUG(4P)  | KM200NA4       |
|                      | Q                   | 4309,4409,4509,4609             | 2SC4154    |                  | CN                  | 4903 PLUG(7P)  | KM200NA7       |
|                      | Q                   | 4311,4411,4511,4611             | 2SA1576A   |                  |                     | 4100,4200,4300,4400,4500,4600,4700 COIL SHIELD 60(MTL) | ANK7139        |
| △                    | Q                   | 4500,4501,4600,4601             | PHB45NQ15T | JP               | 4500                | JUMPER WIRE 54   | ADB7038        |
|                      | Q                   | 4502,4504,4602,4604             | 2SC5738    | JP               | 4501                | JUMPER WIRE 108  | ADB7039        |
|                      | Q                   | 4503,4505,4603,4605             | 2SA2061    | <b>RESISTORS</b> |                     |  |                |
|                      | Q                   | 4506,4606,4706                  | IMT4       | R                | 4057                |  | RS1/8SQ471J    |
|                      | Q                   | 4508,4608,4708                  | 2SD2704K   | R                | 4060,4139,4239,4339 |  | RS1/10SR5602F  |
|                      | Q                   | 4510,4610,4710                  | 2SA1514K   | R                | 4061                |  | RS1/10SR3302F  |
| △                    | Q                   | 4700,4701                       | PHB45NQ15T | R                | 4100,4101,4200,4201 |  | RN1/16SE1000D  |
|                      | Q                   | 4702,4704                       | 2SC5738    | R                | 4102,4103,4202,4203 |  | RN1/16SE9100D  |
|                      | Q                   | 4703,4705                       | 2SA2061    |                  |                     |  |                |
|                      | Q                   | 4709                            | 2SC4154    | R                | 4104,4105,4204,4205 |  | RN1/16SE1001D  |
|                      | Q                   | 4711                            | 2SA1576A   | R                | 4107,4207,4307,4407 |  | ACN7180        |
|                      | Q                   | 4712,4812                       | RT1N140M   | R                | 4123,4125,4167,4223 |  | RS1/10SR1001F  |
| D                    | 4001,4002,4011,4012 | 1SS301                          |            | R                | 4124,4224,4324,4424 |  | RS1/10SR2702F  |
| D                    | 4005,4007-4010,4110 | 1SS352                          |            | R                | 4126,4127,4226,4227 |  | RS1/10SR1501F  |
|                      | D                   | 4100,4200,4300,4400             | 1SS302     | R                | 4128,4228,4328,4428 |  | RS1/8SQ2702F   |
|                      | D                   | 4101,4102,4201,4202             | RB161VA-20 | R                | 4129,4229,4329,4429 |  | RS1/8SQ1ROJ    |
|                      | D                   | 4103-4107,4203-4207             | RF051VA2S  | R                | 4130,4230,4330,4430 |  | RS1/8SQ4702F   |
|                      | D                   | 4108,4109,4208,4209             | RF101L2S   | R                | 4131,4231,4331,4431 |  | RS1/8SQ6802F   |
|                      | D                   | 4210,4310,4410,4510             | 1SS352     | R                | 4132,4232,4332,4432 |  | RS1/10SR1802F  |
|                      | D                   | 4301,4302,4401,4402             | RB161VA-20 | R                | 4133,4135,4156,4176 |  | RS1/10SR1801F  |
|                      | D                   | 4303-4307,4403-4407             | RF051VA2S  | R                | 4134,4234,4334,4434 |  | RS1/10SR1201F  |
|                      | D                   | 4308,4309,4408,4409             | RF101L2S   | R                | 4136,4236,4336,4436 |  | RS1/10SR1502F  |
|                      | D                   | 4500,4600,4700                  | 1SS302     | R                | 4137,4237,4337,4437 |  | RS1/4SA2702F   |
|                      | D                   | 4501,4502,4601,4602             | RB161VA-20 | R                | 4138,4238,4338,4438 |  | RS1/10SR2701F  |
|                      | D                   | 4503-4507,4603-4607             | RF051VA2S  | R                | 4145,4150,4245,4250 |  | RS1/8SQ1002F   |
|                      | D                   | 4508,4509,4608,4609             | RF101L2S   | R                | 4146,4246,4346,4446 |  | RS1/10SR3902F  |
|                      | D                   | 4610,4710,4809,4810             | 1SS352     | R                | 4147-4149,4161,4162 |  | ACN7165        |
|                      | D                   | 4701,4702                       | RB161VA-20 | R                | 4151,4152,4251,4252 |  | ACN7162        |
|                      | D                   | 4703-4707                       | RF051VA2S  | R                | 4154,4254,4354,4454 |  | ACN7170        |
|                      | D                   | 4708,4709                       | RF101L2S   | R                | 4155,4255,4355,4455 |  | RS1/8SQ1502F   |
|                      | D                   | 4909                            | 1SS352     | R                | 4163,4263,4363,4463 |  | RS1/4SA1053F   |
|                      |                     |                                 |            | R                | 4164,4264,4364,4464 |  | RS1/10SR3301F  |
|                      |                     |                                 |            | R                | 4166,4266,4366,4466 |  | RS1/10SR1002F  |
|                      |                     |                                 |            | R                | 4168,4268,4368,4468 |  | RS1/10SR2202F  |
|                      |                     |                                 |            | R                | 4169,4269,4369,4469 |  | RS1/10SR1202F  |
|                      |                     |                                 |            | R                | 4177,4277,4377,4477 |  | RS1/4SA2002F   |
|                      |                     |                                 |            | R                | 4179,4180,4279,4280 |  | RS1/8SQ334J    |
|                      |                     |                                 |            | R                | 4181,4281,4381,4481 |  | NTCG104KF104FB |
|                      |                     |                                 |            | R                | 4225,4267,4323,4325 |  | RS1/10SR1001F  |
|                      |                     |                                 |            | R                | 4233,4235,4256,4276 |  | RS1/10SR1801F  |
|                      |                     |                                 |            | R                | 4247-4249,4261,4262 |  | ACN7165        |
|                      |                     |                                 |            | R                | 4300,4301,4400,4401 |  | RN1/16SE1000D  |
|                      |                     |                                 |            | R                | 4302,4303,4402,4403 |  | RN1/16SE9100D  |
|                      |                     |                                 |            | R                | 4304,4305,4404,4405 |  | RN1/16SE1001D  |
|                      |                     |                                 |            | R                | 4326,4327,4426,4427 |  | RS1/10SR1501F  |
|                      |                     |                                 |            | R                | 4333,4335,4356,4376 |  | RS1/10SR1801F  |
|                      |                     |                                 |            | R                | 4345,4350,4445,4450 |  | RS1/8SQ1002F   |
|                      |                     |                                 |            | R                | 4347-4349,4361,4362 |  | ACN7165        |
|                      |                     |                                 |            | R                | 4351,4352,4451,4452 |  | ACN7162        |
|                      |                     |                                 |            | R                | 4367,4423,4425,4467 |  | RS1/10SR1001F  |
|                      |                     |                                 |            | R                | 4379,4380,4479,4480 |  | RS1/8SQ334J    |
|                      |                     |                                 |            | R                | 4433,4435,4456,4476 |  | RS1/10SR1801F  |
|                      |                     |                                 |            | R                | 4439,4539,4639,4739 |  | RS1/10SR5602F  |
|                      |                     |                                 |            | R                | 4447-4449,4461,4462 |  | ACN7165        |
| <b>MISCELLANEOUS</b> |                     |                                 |            |                  |                     |  |                |
| L                    |                     | 4100,4200,4300,4400 COIL        | ATL7017    |                  |                     |  |                |
| L                    |                     | 4101,4201,4301 COMMON MODE COIL | ATL7022    |                  |                     |  |                |
| L                    |                     | 4102,4103,4202,4203 INDUCTOR    | ATL7018    |                  |                     |  |                |
| L                    |                     | 4104,4204,4304 CHIP INDUCTOR    | ATL7020    |                  |                     |  |                |
| L                    |                     | 4302,4303,4402,4403 INDUCTOR    | ATL7018    |                  |                     |  |                |
| L                    |                     | 4401,4501,4601 COMMON MODE COIL | ATL7022    |                  |                     |  |                |
| L                    |                     | 4404,4504,4604 CHIP INDUCTOR    | ATL7020    |                  |                     |  |                |
| L                    |                     | 4500,4600,4700 COIL             | ATL7017    |                  |                     |  |                |
| L                    |                     | 4502,4503,4602,4603 INDUCTOR    | ATL7018    |                  |                     |  |                |
| L                    |                     | 4701,4811,4911 COMMON MODE COIL | ATL7022    |                  |                     |  |                |
| L                    |                     | 4702,4703 INDUCTOR              | ATL7018    |                  |                     |  |                |
| L                    |                     | 4704 CHIP INDUCTOR              | ATL7020    |                  |                     |  |                |
| JA                   | 4101                | SP TERMINAL 6-P(V0)             | AKE7150    |                  |                     |  |                |
| JA                   | 4301,4501           | SP TERMINAL 4-P(V0)             | AKE7149    |                  |                     |  |                |
| JA                   | 4901                | SP TERMINAL 4-P(V0)             | AKE7149    |                  |                     |  |                |
| KN                   | 4100,4200,4300,4400 | SCREW PLATE                     | VNE1948    |                  |                     |  |                |
| KN                   | 4501                | SCREW PLATE                     | VNE1948    |                  |                     |  |                |
| RY                   | 4100,4300,4500,4700 | RELAY                           | ASR7001    |                  |                     |  |                |
| RY                   | 4800                | RELAY                           | ASR7001    |                  |                     |  |                |
| CN                   | 4000                | CONNECTOR                       | 9604S-17C  |                  |                     |  |                |

| Mark              | No. | Description         | Part No.       | Mark | No.                 | Description | Part No.     |
|-------------------|-----|---------------------|----------------|------|---------------------|-------------|--------------|
|                   | R   | 4500,4501,4600,4601 | RN1/16SE1000D  | C    | 4104,4105,4204,4205 |             | ACG7069      |
|                   | R   | 4502,4503,4602,4603 | RN1/16SE9100D  | C    | 4106,4107,4206,4207 |             | ACG7072      |
|                   | R   | 4504,4505,4604,4605 | RN1/16SE1001D  | C    | 4108,4208,4308,4408 |             | ACH7320      |
| A                 | R   | 4507,4607,4707,4807 | ACN7180        | C    | 4109,4209,4309,4409 |             | CFHXSQ103J16 |
|                   | R   | 4523,4525,4567,4623 | RS1/10SR1001F  | C    | 4114,4214,4314,4414 |             | ACG7068      |
|                   | R   | 4524,4624,4724      | RS1/10SR2702F  | C    | 4116,4151,4216,4251 |             | CKSRYB105K16 |
|                   | R   | 4526,4527,4626,4627 | RS1/10SR1501F  | C    | 4118,4120,4130,4147 |             | CKSRYB105K10 |
|                   | R   | 4528,4628,4728      | RS1/8SQ2702F   | C    | 4119,4219,4319,4419 |             | CKSRYB474K16 |
|                   | R   | 4531,4631,4731      | RS1/8SQ6802F   | C    | 4122,4128,4222,4228 |             | ACG7073      |
|                   | R   | 4532,4632,4732      | RS1/10SR1802F  | C    | 4123,4223,4323,4423 |             | ACG7066      |
|                   | R   | 4533,4535,4556,4576 | RS1/10SR1801F  | C    | 4124,4224,4324,4424 |             | ACG7078      |
|                   | R   | 4534,4634,4734      | RS1/10SR1201F  | C    | 4125,4225,4325,4425 |             | ACG7071      |
|                   | R   | 4536,4636,4736      | RS1/10SR1502F  | C    | 4126,4226,4326,4426 |             | ACG7079      |
| B                 | R   | 4537,4637,4737      | RS1/4SA2702F   | C    | 4127,4227,4327,4427 |             | ACG7070      |
|                   | R   | 4538,4638,4738      | RS1/10SR2701F  | C    | 4129,4152,4153,4156 |             | CKSRYB104K16 |
|                   | R   | 4545,4550,4645,4650 | RS1/8SQ1002F   | C    | 4131,4132,4231,4232 |             | CKSQYB224K25 |
|                   | R   | 4546,4646,4746      | RS1/10SR3902F  | C    | 4133,4233,4333,4433 |             | ACG7064      |
|                   | R   | 4547-4549,4561,4562 | ACN7165        | C    | 4134,4234,4334,4434 |             | ACG7063      |
|                   | R   | 4551,4552,4651,4652 | ACN7162        | C    | 4135-4138,4235-4238 |             | ACG7065      |
|                   | R   | 4554,4654,4754      | ACN7170        | C    | 4141,4142,4241,4242 |             | CCG1245      |
|                   | R   | 4555,4655,4755      | RS1/8SQ1502F   | C    | 4143-4146,4243-4246 |             | CCG1248      |
|                   | R   | 4563,4663,4763,4863 | RS1/4SA1053F   | C    | 4148,4215,4218,4220 |             | CKSRYB105K10 |
|                   | R   | 4564,4664,4764,4864 | RS1/10SR3301F  | C    | 4149,4150,4249,4250 |             | ACH7318      |
|                   | R   | 4566,4666,4766,4900 | RS1/10SR1002F  | C    | 4155,4255,4355,4455 |             | CKSYB475K25  |
| C                 | R   | 4568,4668,4768      | RS1/10SR2202F  | C    | 4157,4257,4357,4457 |             | CKSRYB222K50 |
|                   | R   | 4569,4669,4769      | RS1/10SR1202F  | C    | 4160,4260,4360,4460 |             | CCSRCH102J50 |
|                   | R   | 4577,4677,4777      | RS1/4SA2002F   | C    | 4161,4261,4361,4461 |             | CCSSCH100D50 |
|                   | R   | 4579,4580,4679,4680 | RS1/8SQ334J    | C    | 4212,4213,4217,4312 |             | ACH1479      |
|                   | R   | 4581,4681,4781      | NTCG104KF104FB | C    | 4221,4229,4252,4253 |             | CKSRYB104K16 |
|                   | R   | 4625,4667,4723,4725 | RS1/10SR1001F  | C    | 4230,4247,4248,4315 |             | CKSRYB105K10 |
|                   | R   | 4633,4635,4656,4676 | RS1/10SR1801F  | C    | 4258,4321,4329,4352 |             | CKSRYB104K16 |
|                   | R   | 4647-4649,4661,4662 | ACN7165        | C    | 4304,4305,4404,4405 |             | ACG7069      |
|                   | R   | 4700,4701           | RN1/16SE1000D  | C    | 4306,4307,4406,4407 |             | ACG7072      |
|                   | R   | 4702,4703           | RN1/16SE9100D  | C    | 4313,4317,4412,4413 |             | ACH1479      |
|                   | R   | 4704,4705           | RN1/16SE1001D  | C    | 4316,4351,4416,4451 |             | CKSRYB105K16 |
| D                 | R   | 4726,4727           | RS1/10SR1501F  | C    | 4318,4320,4330,4347 |             | CKSRYB105K10 |
|                   | R   | 4729                | RS1/8SQ1R0J    | C    | 4322,4328,4422,4428 |             | ACG7073      |
|                   | R   | 4730                | RS1/8SQ4702F   | C    | 4331,4332,4431,4432 |             | CKSQYB224K25 |
|                   | R   | 4733,4735,4756,4776 | RS1/10SR1801F  | C    | 4335-4338,4435-4438 |             | ACG7065      |
|                   | R   | 4745,4750           | RS1/8SQ1002F   | C    | 4341,4342,4441,4442 |             | CCG1245      |
|                   | R   | 4747-4749,4761,4762 | ACN7165        | C    | 4343-4346,4443-4446 |             | CCG1248      |
|                   | R   | 4751,4752           | ACN7162        | C    | 4348,4415,4418,4420 |             | CKSRYB105K10 |
|                   | R   | 4767                | RS1/10SR1001F  | C    | 4349,4350,4449,4450 |             | ACH7318      |
|                   | R   | 4779,4780           | RS1/8SQ334J    | C    | 4353,4356,4421,4429 |             | CKSRYB104K16 |
|                   | R   | 4901                | RS1/10SR3301F  | C    | 4417,4512,4513,4517 |             | ACH1479      |
| E                 | R   | 4902                | RS2LMF682J     | C    | 4430,4447,4448,4515 |             | CKSRYB105K10 |
|                   | R   | 4903-4905,4907      | ACN7180        | C    | 4452,4453,4458,4521 |             | CKSRYB104K16 |
|                   | R   | 4906,4908-4910      | RS1/4SA105J    | C    | 4500,4600,4700      |             | CFTNA104J2A  |
|                   |     | Other Resistors     | RS1/10SR###J   | C    | 4501,4601,4701      |             | CFTNA274J2A  |
|                   |     |                     |                | C    | 4504,4505,4604,4605 |             | ACG7069      |
| <b>CAPACITORS</b> |     |                     |                |      |                     |             |              |
|                   | C   | 4001-4004,4011-4021 | CCSRCH102J25   | C    | 4506,4507,4606,4607 |             | ACG7072      |
|                   | C   | 4005,4006,4026      | CKSRYB104K16   | C    | 4508,4608,4708,4808 |             | ACH7320      |
|                   | C   | 4022,4025,4040,4115 | CKSRYB105K10   | C    | 4509,4609,4709,4809 |             | CFHXSQ103J16 |
|                   | C   | 4023                | CKSQYB106K6R3  | C    | 4514,4614,4714      |             | ACG7068      |
|                   | C   | 4024,4112,4113,4117 | ACH1479        | C    | 4516,4551,4616,4651 |             | CKSRYB105K16 |
|                   | C   | 4028,4926           | CKSRYB103K25   | C    | 4518,4520,4530,4547 |             | CKSRYB105K10 |
| F                 | C   | 4031-4035,4042,4121 | CKSRYB104K16   | C    | 4519,4619,4719      |             | CKSRYB474K16 |
|                   | C   | 4036,4910,4911      | ACH7321        | C    | 4522,4528,4622,4628 |             | ACG7073      |
|                   | C   | 4100,4200,4300,4400 | CFTNA104J2A    | C    | 4523,4623,4723      |             | ACG7066      |
|                   | C   | 4101,4201,4301,4401 | CFTNA274J2A    | C    | 4524,4624,4724      |             | ACG7078      |

| Mark | No. | Description | Part No. | Mark                 | No.             | Description       | Part No.      |
|------|-----|-------------|----------|----------------------|-----------------|-------------------|---------------|
|      |     |             |          | <b>MISCELLANEOUS</b> |                 |                   |               |
|      |     |             |          | ⚠                    | L 1             | LINE FILTER       | ATF7048       |
|      |     |             |          | ⚠                    | L 51            | COIL              | ATH7080       |
|      |     |             |          | ⚠                    | L 71            | LINE FILTER       | XTF3004       |
|      |     |             |          |                      | H 1,2,71,72     | FUSE CLIP         | AKR1004       |
|      |     |             |          | ⚠                    | JA 71           | AC INLET ASSY     | ADX7464       |
|      |     |             |          |                      | KN 1,2          | SCREW PLATE       | VNE1948       |
|      |     |             |          |                      | KN 50           | WRAPPING TERMINAL | VNF1084       |
|      |     |             |          | ⚠                    | RY 71           | POWER RELAY       | ASR7034       |
|      |     |             |          | ⚠                    | T 1             | POWER TRANSFORMER | ATK7003       |
|      |     |             |          | ⚠                    | CN 81           | CONNECTOR         | B2P3-VH       |
|      |     |             |          |                      |                 | HEAT SINK(AL)     | ANH7224       |
|      |     |             |          |                      |                 | SCREW             | BBZ30P080FCC  |
|      |     |             |          |                      |                 | HEAT SINK(AL)     | ANH7223       |
|      |     |             |          |                      | JP 51           | 7P HOUSING ASSY   | ADX7727       |
|      |     |             |          | ⚠                    | PC 1            | PHOTO COUPLER     | TLP781(GR)    |
|      |     |             |          | <b>RESISTORS</b>     |                 |                   |               |
|      |     |             |          | ⚠                    | R 1,12          |                   | RS2LMF683J    |
|      |     |             |          | ⚠                    | R 9-11          |                   | ACN7173       |
|      |     |             |          |                      | R 53            |                   | RS1/10SR1202F |
|      |     |             |          |                      | R 54            |                   | RS1/10SR7500F |
|      |     |             |          |                      | R 56            |                   | RS1/10SR1002F |
|      |     |             |          |                      | R 57            |                   | RS1/4SA105J   |
|      |     |             |          |                      | R 59            |                   | RS1/8SQ475J   |
|      |     |             |          |                      | R 74            |                   | RS1/8SQ105J   |
|      |     |             |          |                      | Other Resistors |                   | RS1/10SR###J  |
|      |     |             |          | <b>CAPACITORS</b>    |                 |                   |               |
|      |     |             |          | ⚠                    | C 1             |                   | ACE7043       |
|      |     |             |          | ⚠                    | C 3             |                   | ACH7342       |
|      |     |             |          | ⚠                    | C 4             |                   | ACE7083       |
|      |     |             |          | ⚠                    | C 5             |                   | ACG7102       |
|      |     |             |          |                      | C 6             |                   | CKSQYB105K25  |
|      |     |             |          | ⚠                    | C 7             |                   | ACH7343       |
|      |     |             |          |                      | C 8,53,56       |                   | CKSRYB104K50  |
|      |     |             |          |                      | C 9             |                   | CCSRCH100D50  |
|      |     |             |          |                      | C 10            |                   | CEAK2R2M2A    |
|      |     |             |          |                      | C 13,55         |                   | CCSRCH102J50  |
|      |     |             |          | ⚠                    | C 18,20         |                   | VCG1046       |
|      |     |             |          | ⚠                    | C 51            |                   | ACH7345       |
|      |     |             |          | ⚠                    | C 52            |                   | BCH1044       |
|      |     |             |          | ⚠                    | C 71,81         |                   | ACE7013       |
|      |     |             |          | ⚠                    | C 73            |                   | ACG7039       |
|      |     |             |          |                      | C 74,75         |                   | CCSRCH101J50  |

## Q PRIMARY ASSY

### SEMICONDUCTORS

|   |         |            |
|---|---------|------------|
| ⚠ | IC 1    | MIP4150MD  |
| ⚠ | IC 52   | NJM1431AF  |
|   | Q 71    | 2SD2704K   |
| ⚠ | D 1     | D2SB60A    |
| ⚠ | D 2     | RD2ALF-A1  |
| ⚠ | D 3     | 1SS403     |
| ⚠ | D 4     | RB751V-40  |
| ⚠ | D 50    | SBT250-06J |
|   | D 71,72 | 1SS352     |

## R PRIMARY SHIELD ASSY

### MISCELLANEOUS

|  |         |             |         |
|--|---------|-------------|---------|
|  | KN 5751 | SCREW PLATE | VNE1948 |
|  | CN 5751 | 5P PLUG     | XKP3062 |

## S REG ASSY

### SEMICONDUCTORS

|   |                       |            |
|---|-----------------------|------------|
| ⚠ | IC 7501,7611          | NJM78M12FA |
| ⚠ | IC 7502               | NJM79M12FA |
| ⚠ | IC 7521,7601          | NJM78M05FA |
| ⚠ | IC 7602               | NJM79M05FA |
| ⚠ | D 7501-7504,7521,7522 | 1SR154-400 |

| Mark | No. | Description         | Part No.   |
|------|-----|---------------------|------------|
|      | D   | 7505,7506,7523,7603 | 1SS357     |
| ⚠    | D   | 7601                | D3SBA20(B) |
|      | D   | 7604,7614           | 1SS357     |
| ⚠    | D   | 7611-7613,7621-7623 | 1SR154-400 |
|      | D   | 7624                | HZU8R2(B2) |
|      | D   | 7625                | PTZ22(B)   |

| Mark | No. | Description         | Part No.   |
|------|-----|---------------------|------------|
|      | D   | 7245                | 1SS352     |
|      | D   | 7247                | UDZS12(B)  |
| ⚠    | D   | 7248                | PTZ15(B)   |
| ⚠    | D   | 7249                | HZU12(B2)  |
|      | D   | 7255,7256,7275,7276 | 1SS357     |
| ⚠    | D   | 7271-7274           | 1SR154-400 |

**MISCELLANEOUS**

|   |                     |             |          |
|---|---------------------|-------------|----------|
| H | 7501-7504,7601-7604 | FUSE CLIP   | AKR1004  |
|   | CN7501,7601         | 5P TOP POST | B5B-EH   |
|   | CN7502              | PLUG(5P)    | KM200NA5 |
|   | CN7602              | PLUG(7P)    | KM200NA7 |
|   | CN7603              | PLUG(4P)    | KM200NA4 |

**MISCELLANEOUS**

|   |                     |             |          |
|---|---------------------|-------------|----------|
| H | 7201-7204,7241,7242 | FUSE CLIP   | AKR1004  |
| H | 7251-7254           | FUSE CLIP   | AKR1004  |
| ⚠ | CN7201              | 8P TOP POST | B8B-EH   |
| ⚠ | CN7241              | PLUG(2P)    | KM200NA2 |
|   | CN7251              | PLUG(7P)    | KM200NA7 |
|   | CN7271              | PLUG(4P)    | KM200NA4 |
|   | CN7302              | PLUG(6P)    | KM200NA6 |
|   | JH7251-7253         | PCB BINDER  | VEF1040  |

**RESISTORS**

|   |                 |              |
|---|-----------------|--------------|
| R | 7621            | RS1/10SR473J |
| R | 7622            | RD1/4MUF391J |
|   | Other Resistors | RS1/8SQ###J  |

**RESISTORS**

|   |                     |              |
|---|---------------------|--------------|
| R | 7211,7213           | RD1/4MUF102J |
| R | 7241                | RS1/4S152J   |
| R | 7245,7246,7273,7274 | RS1/4SA105J  |
| R | 7255,7256           | RS1/8SQ0R0J  |
| R | 7260                | RS1/8SQ105J  |
| R | 7272                | ACN7180      |
|   | Other Resistors     | RS1/10SR###J |

**CAPACITORS**

|   |                     |              |
|---|---------------------|--------------|
| C | 7501,7511           | CEAK332M25   |
| C | 7504,7525,7526,7609 | CFTLA394J50  |
| C | 7505,7506,7603,7604 | CKSRYB103K50 |
| C | 7507,7508           | CEAK221M25   |
| C | 7521                | CEAK222M25   |

**CAPACITORS**

|   |                     |              |
|---|---------------------|--------------|
| C | 7200,7240,7250,7270 | CFTLA394J50  |
| C | 7201,7202           | CEAK102M16   |
| C | 7213-7215,7219,7245 | CEAK100M50   |
| C | 7217,7218,7242,7253 | CKSRYB103K50 |
| C | 7221,7246           | CEAK470M25   |
| C | 7222,7277,7278      | CCSRCH102J50 |
| C | 7241,7251,7252      | CEAK222M25   |
| C | 7254,7273,7274      | CKSRYB103K50 |
| C | 7255,7256           | CEAK221M25   |
| C | 7271,7272           | CEAK222M16   |
| C | 7275,7276           | CEAK221M16   |
| C | 7281,7282           | CCSRCH101J50 |
| C | 7289,7290           | CCSRCH331J50 |
| C | 7291                | CFTLA394J50  |

|   |                |              |
|---|----------------|--------------|
| C | 7522           | CCSRCH101J50 |
| C | 7523           | CEAK221M16   |
| C | 7601           | CEAK472M16   |
| C | 7602           | CEAK222M16   |
| C | 7605,7606,7624 | CEAK101M16   |

|   |           |              |
|---|-----------|--------------|
| C | 7611      | CEAK102M35   |
| C | 7612      | CEAK471M35   |
| C | 7613,7626 | CKSRYB103K50 |
| C | 7614      | CEAK100M50   |
| C | 7621      | CEANP101M35  |

|   |           |              |
|---|-----------|--------------|
| C | 7622      | CEAK101M35   |
| C | 7623      | CEAK221M35   |
| C | 7625      | CEAK470M50   |
| C | 7628,7632 | CCSRCH102J50 |
| C | 7629      | CFTLA104J50  |

|   |           |              |
|---|-----------|--------------|
| C | 7634-7641 | CKSRYB104K50 |
|---|-----------|--------------|

**T ICE REG ASSY  
SEMICONDUCTORS**

|   |    |                     |            |
|---|----|---------------------|------------|
| ⚠ | IC | 7251                | NJM78M12FA |
| ⚠ | IC | 7252                | NJM79M12FA |
| ⚠ | IC | 7271                | NJM78M05FA |
| ⚠ | IC | 7272                | NJM79M05FA |
|   | Q  | 7203,7204,7207,7221 | LTC124EUB  |

|   |   |           |           |
|---|---|-----------|-----------|
| ⚠ | Q | 7205,7206 | LTA124EUB |
| ⚠ | Q | 7211      | 2SD1763A  |
| ⚠ | Q | 7212      | 2SB1186A  |
|   | Q | 7222      | LTA143EUB |
|   | Q | 7241      | 2SD1763A  |

|   |   |                     |            |
|---|---|---------------------|------------|
| ⚠ | Q | 7242                | LSC4081UB  |
| ⚠ | D | 7201-7204,7211,7212 | 1SR154-400 |
|   | D | 7213,7214           | HZU7R5(B1) |
|   | D | 7215,7216           | 1SR154-400 |
| ⚠ | D | 7241-7244,7251-7254 | 1SR154-400 |

**U B REG ASSY  
SEMICONDUCTORS**

|   |    |           |              |
|---|----|-----------|--------------|
| ⚠ | IC | 7300,7301 | HA17431GLTPA |
| ⚠ | IC | 7302,7303 | NJM2746V     |
| ⚠ | Q  | 7300      | 2SD2083      |
| ⚠ | Q  | 7301      | 2SB1383      |
|   | Q  | 7302,7308 | 2SD1857      |

|  |   |           |             |
|--|---|-----------|-------------|
|  | Q | 7303,7307 | 2SB1236     |
|  | Q | 7304      | RT1N241M    |
|  | Q | 7306      | RT1P241M-11 |
|  | Q | 7309      | 2SC4154     |
|  | Q | 7310      | 2SA1576A    |

|  |   |                     |            |
|--|---|---------------------|------------|
|  | D | 7302,7303           | PTZ11(B)   |
|  | D | 7304,7307           | UDZS2R4(B) |
|  | D | 7306,7309,7350,7352 | 1SS352     |
|  | D | 7308,7310           | 1SR154-400 |
|  | D | 7351                | UDZS18(B)  |

| Mark                 | No. | Description                | Part No.           |
|----------------------|-----|----------------------------|--------------------|
|                      | D   | 7353                       | UDZS20(B)          |
|                      | D   | 7355                       | 1SS352             |
| ⚠                    | TH  | 7300                       | PTFM04BB222Q2N34B0 |
| <b>MISCELLANEOUS</b> |     |                            |                    |
|                      | H   | 7300-7303 FUSE CLIP        | AKR1004            |
|                      | CN  | 7306 PLUG(4P)              | KM200NA4           |
|                      | CN  | 7308 PLUG                  | CKS-556            |
|                      | JH  | 7301 PCB BINDER            | VEF1040            |
| ⚠                    | P   | 7300,7301 PROTECTOR(500MA) | AEK7005            |
| <b>RESISTORS</b>     |     |                            |                    |
|                      | R   | 7302,7303                  | RS2LMF222J         |
|                      | R   | 7306,7307                  | RS2LMF472J         |
|                      | R   | 7308-7311                  | RS1/4SA333J        |
|                      | R   | 7312-7315                  | RN1/16SE2702D      |
|                      | R   | 7318,7319                  | RS1/8SQ473J        |
|                      | R   | 7322,7323                  | RS2LMF152J         |
|                      | R   | 7324,7325                  | RS1/8SQ100J        |
|                      | R   | 7326-7329                  | RS1LMF332J         |
|                      | R   | 7332,7333                  | RN1/10SE8202D      |
|                      | R   | 7334,7335                  | RN1/10SE6801D      |
|                      | R   | 7336,7337                  | RN1/10SE1800D      |
|                      | R   | 7338,7339                  | ACN7180            |
|                      | R   | 7386                       | RS1/4SA154J        |
|                      | R   | 7387                       | RS1/4SA393J        |
|                      | R   | 7388                       | RS1/4SA223J        |
|                      | R   | 7389                       | RS1/4SA473J        |
|                      |     | Other Resistors            | RS1/10SR###J       |

**CAPACITORS**

|   |                     |              |
|---|---------------------|--------------|
| C | 7302,7303,7376-7379 | CCSRCH102J50 |
| C | 7304-7307,7350      | CKSRYB104K50 |
| C | 7310,7311           | CKSRYB473K50 |
| C | 7318,7319           | CCG1248      |
| C | 7320,7321           | CEAK4R7M50   |
| C | 7324,7325           | CEHAT470M2A  |
| C | 7326,7327           | ACG7064      |
| C | 7380-7384           | CKSRYB104K50 |
| C | 7386                | CCSRCH102J50 |

**V B DIODE ASSY  
SEMICONDUCTORS**

|   |   |           |              |
|---|---|-----------|--------------|
| ⚠ | D | 7400,7401 | LN6SB60-4003 |
|---|---|-----------|--------------|

**MISCELLANEOUS**

|    |                       |              |
|----|-----------------------|--------------|
| CN | 7400 PLUG             | CKS-556      |
|    | 7400,7401 HEAT SINK B | ANH1021      |
|    | 7402,7403 SCREW       | IBZ30P080FCC |
| JP | 7401 3P HOUSING ASSY  | ADX7649      |

**RESISTORS**

|   |                 |              |
|---|-----------------|--------------|
| R | 7402            | RD1/4MUF100J |
| R | 7403,7404       | ACN7180      |
|   | Other Resistors | RS1/4SA###J  |

**CAPACITORS**

|   |           |             |
|---|-----------|-------------|
| C | 7400,7401 | ACH7319     |
| C | 7402,7403 | CFTLA104J2A |

| Mark | No. | Description | Part No. |
|------|-----|-------------|----------|
|------|-----|-------------|----------|

**W CONNECT ASSY****MISCELLANEOUS**

|    |                    |         |
|----|--------------------|---------|
| CN | 7801,7802 20P PLUG | AKM7171 |
| CN | 7803 19P SOCKET    | XKP3080 |
| CN | 7804 21P SOCKET    | XKP3081 |

**RESISTORS**

|  |               |             |
|--|---------------|-------------|
|  | All Resistors | RS1/8SQ###J |
|--|---------------|-------------|

**CAPACITORS**

|   |      |              |
|---|------|--------------|
| C | 7804 | CCSRCH270J50 |
| C | 7813 | CCSRCH100D50 |

**X FB-CONNECT ASSY****MISCELLANEOUS**

|    |                 |           |
|----|-----------------|-----------|
| CN | 7681 7P SOCKET  | KP200IB7L |
| CN | 7682 17P SOCKET | XKP3079   |
| CN | 7683 7P PLUG    | KM200IB7  |
| CN | 7684 17P PLUG   | XKP3068   |

**RESISTORS**

|  |               |              |
|--|---------------|--------------|
|  | All Resistors | RS1/10SR###J |
|--|---------------|--------------|

**CAPACITORS**

|   |           |              |
|---|-----------|--------------|
| C | 7693,7696 | CCSRCH270J50 |
| C | 7694,7697 | CCSRCH331J50 |
| C | 7699,7702 | CKSRYB103K50 |

**Y PRE BRIDGE ASSY****MISCELLANEOUS**

|    |                    |         |
|----|--------------------|---------|
| CN | 6951,6952 19P PLUG | XKP3069 |
|----|--------------------|---------|

**CAPACITORS**

|   |                     |              |
|---|---------------------|--------------|
| C | 6951,6954,6955,6957 | CCSRCH102J50 |
| C | 6952,6953,6956,6958 | CKSRYB103K50 |

**Z A-DAC BRIDGE ASSY****MISCELLANEOUS**

|    |                    |         |
|----|--------------------|---------|
| CN | 3791,3792 14P PLUG | AKM7170 |
| CN | 3793,3794 24P PLUG | AKM7173 |

**AA D-AUDIO BRIDGE ASSY****MISCELLANEOUS**

|    |                    |         |
|----|--------------------|---------|
| CN | 3771,3772 11P PLUG | XKP3065 |
| CN | 3773,3774 15P PLUG | XKP3067 |

**CAPACITORS**

|   |           |              |
|---|-----------|--------------|
| C | 3771,3774 | CCSRCH101J50 |
| C | 3772,3773 | CCSRCH102J50 |

Mark No. Description Part No.

Mark No. Description Part No.

**AB** D-DAC BRIDGE ASSY

**AF** MCH BRIDGE ASSY

MISCELLANEOUS

CN3781-3784 PLUG (30P) BKM1035  
CN3785 3P PLUG XKP3061

MISCELLANEOUS

CN7671,7672 18P PLUG AKM7050

**AC** FRONT BRIDGE ASSY

**AG** FFC GUARD ASSY

MISCELLANEOUS

CN7721 7P SOCKET KP200IB7L  
CN7722 17P SOCKET XKP3079  
CN7723 PLUG(6P) KM200NA6  
CN7724 CONNECTOR 9604S-15C  
CN7726 PLUG(3P) KM200NA3

FFC GUARD ASSY has no service parts.

**AH** H GUARD ASSY

H GUARD ASSY has no service parts.

JH7721 PCB BINDER VEF1040  
JP7725 7P HOUSING ASSY ADX7729

**FM/AM TUNER UNIT**

FM/AM TUNER UNIT has no service parts.

RESISTORS

R7745 RS1/10SR105J  
Other Resistors RS1/4SA###J

CAPACITORS

C7721,7724,7733,7736 CCSRCH101J50  
C7722,7725,7734,7737 CCSRCH102J50  
C7753 CCSRCH102J50

**AD** DISPLAY BRIDGE ASSY

MISCELLANEOUS

CN7651,7652 39P CONNECTOR VKN2097

RESISTORS

All Resistors RS1/8SQ###J

MISCELLANEOUS

JH7651 PCB BINDER VEF1040

CAPACITORS

C7651,7654 CCSRCH102J50

**AE** F-IN BRIDGE ASSY

MISCELLANEOUS

CN7661 15P SOCKET XKP3078  
CN7662 7P SOCKET KP200IB7L  
CN7663 CONNECTOR 9604S-15C  
CN7664 PLUG(7P) KM200NA7  
CN7665 3P TOP POST B3B-EH

CN7666 4P SOCKET KP200IB4L

RESISTORS

R7667 RS1/4SA105J  
Other Resistors RS1/10SR###J

CAPACITORS

C7175 CCSRCH101J50