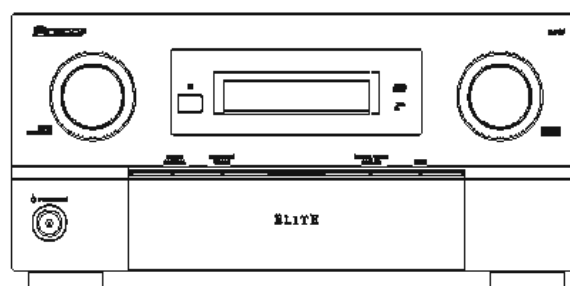


Service Manual



ORDER NO.
RRV3818

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

SC-07

SC-05

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

Model	Type	Power Requirement	Remarks
SC-07	KUXJ/CA	AC 120 V	
SC-05	KUXJ/CA	AC 120 V	



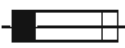
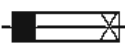
For details, refer to "Important Check Points for good servicing".

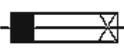
SAFETY INFORMATION



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 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.

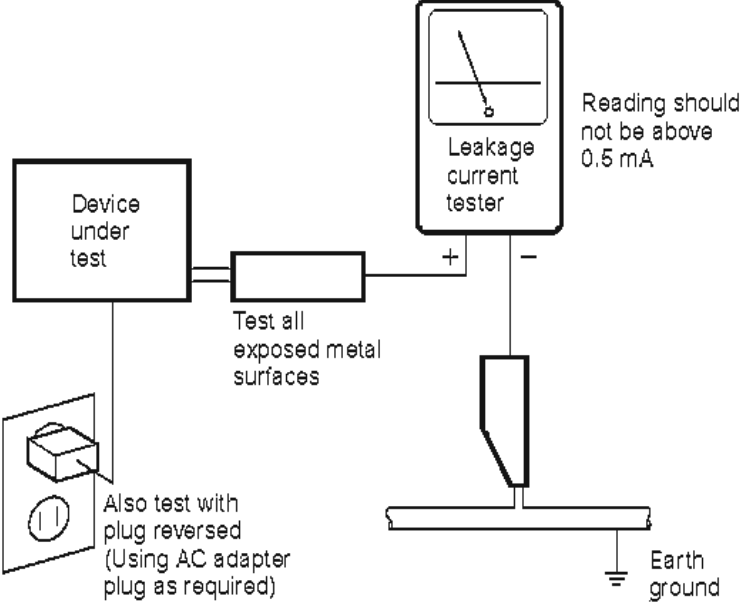
(FOR USA MODEL ONLY)

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 PARTS

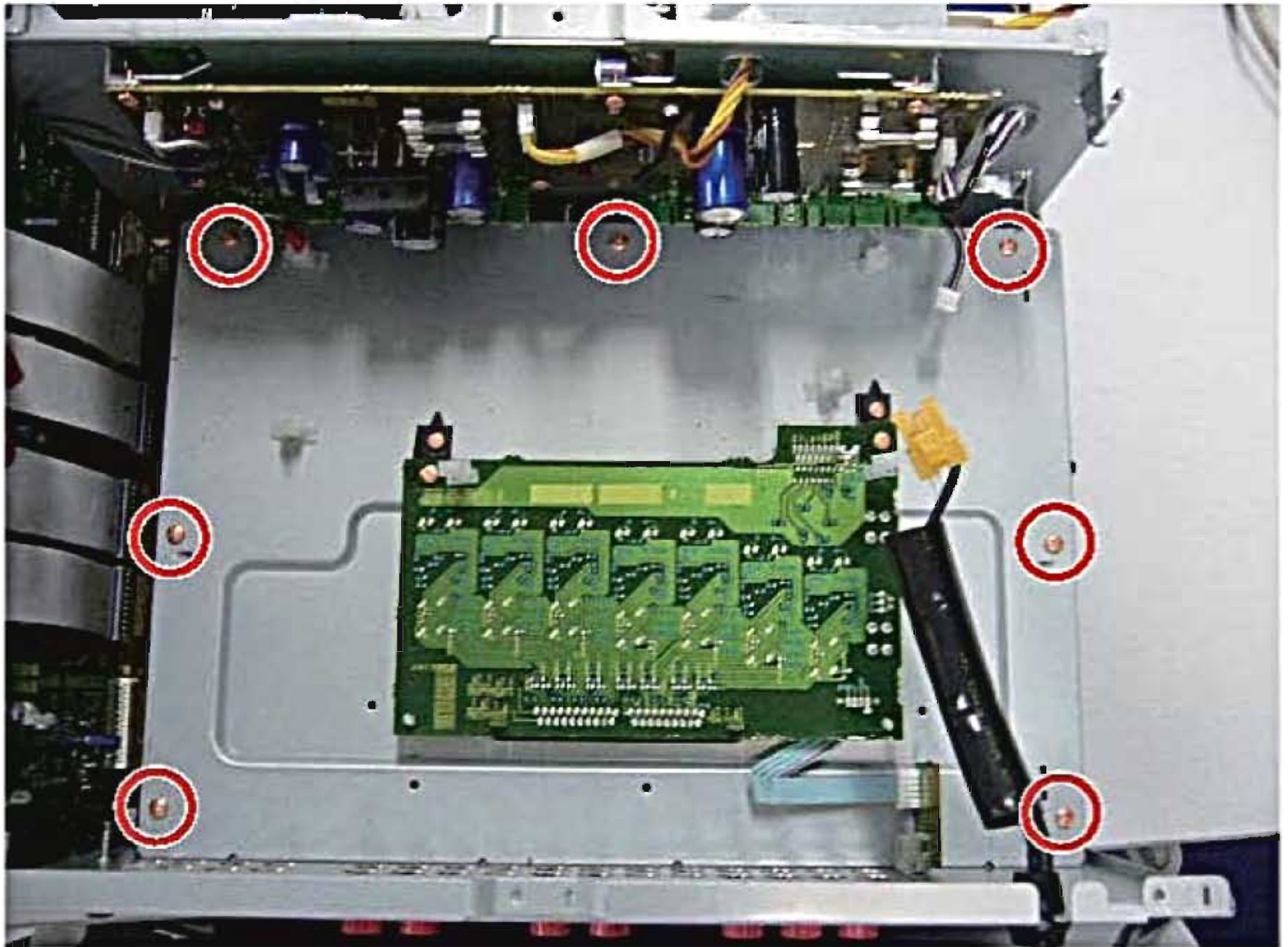
The part listed below is difficult to replace as a discrete component part.
When the part listed in the table is defective, replace whole Assy.

ASSY NAME	PCB ASSY Part No.	Parts that is Difficult to Replace			
		Ref No.	FUNCTION	Part No.	Remarks
HDMI NETWORK ASSY	SC-07 : AWX9135 SC-05 : AWX9190	IC101	HDMI Receiver	SII9135CTU	IC with heat-pad
		IC701	MEDIA Processor	DM850E	IC with heat-pad
		IC791	iPod Co-Processor	341S2154	IC with heat-pad

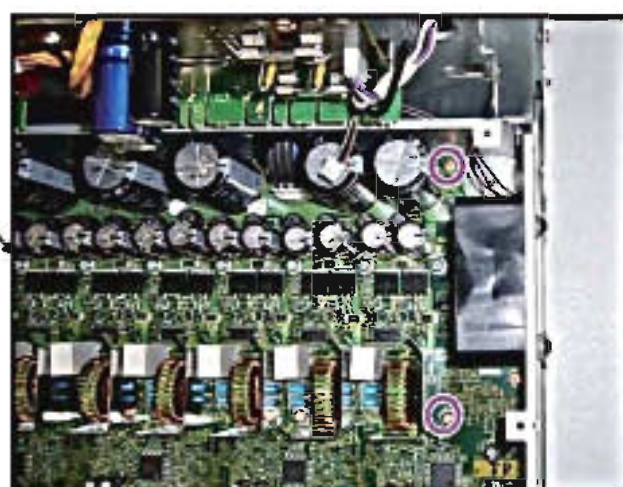
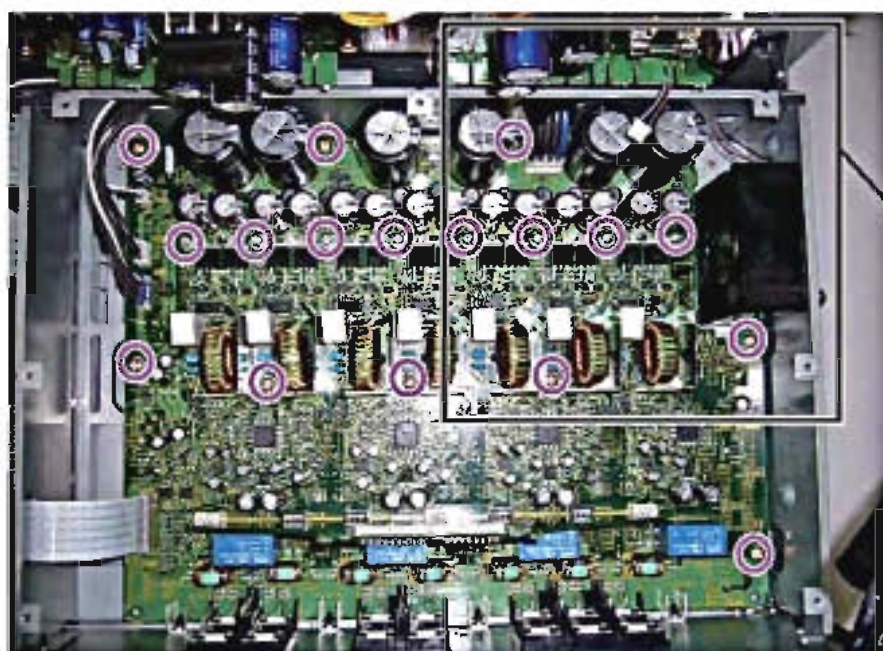
1.3 NOTES ON ASSEMBLING

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 PMH30P080FCC



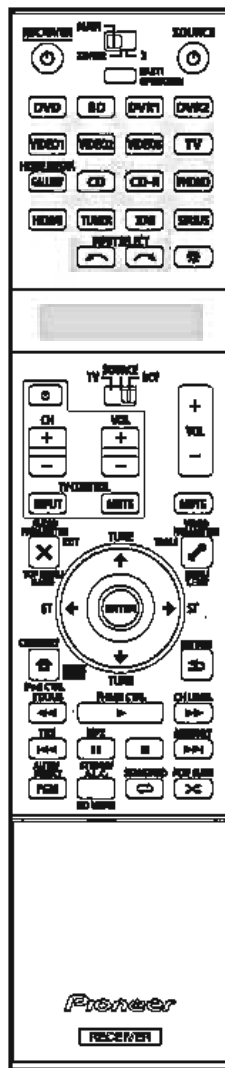
Points to be watched for swarf



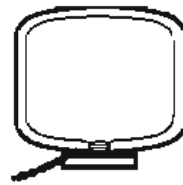
If a screw at any of these points needs to be removed for service, be sure to check that the swarf is not on the screw before refastening.

2. SPECIFICATIONS

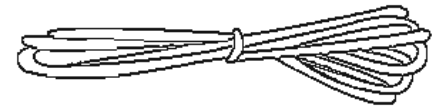
2.1 ACCESSORIES



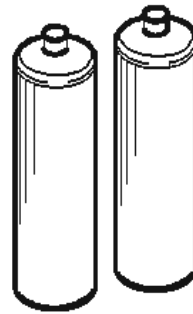
Remote Control Unit
(AXD7520)



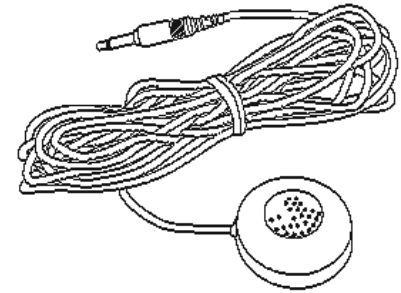
AM Loop Antenna
(ATB7013)



FM Wire Antenna
(ADH7030)

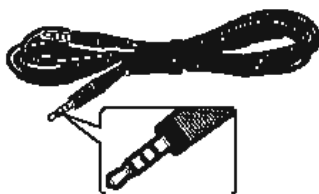


AA/IEC R6P
Dry Cell Batteries



Setup Microphone
(for Auto MCACC setup)
(APM7008)

SERVICE PARTS



SR+ mini-plug cable
(ADE7095)

2.2 SPECIFICATIONS

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 0.09 %** total harmonic distortion.

Multi channel simultaneous power output (1 kHz, 1 %, 8 Ω)
7ch total 700 W (SC-07)/630 W (SC-05)
Continuous Power Output (20 Hz to 20 kHz, 8 Ω, 0.09 %)
Front 140 W + 140 W
Center 140 W
Surround 140 W + 140 W
Surround back 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 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 4.2 mV/47 kΩ
LINE 335 mV/47 kΩ
Frequency Response (LINE) 5 Hz to 100 000 Hz ±3 dB
Output (Level/Impedance)
REC 335 mV/2.2 kΩ
Signal-to-Noise Ratio (IHF, short circuited, A network)
LINE 103 dB
Signal-to-Noise Ratio [EIA, at 1 W (1 kHz)]
LINE 83 dB

Composite Video / S-Video Section
Input (Sensitivity/Impedance) 1 Vp-p/75 Ω
Output (Level/Impedance) 1 Vp-p/75 Ω
Signal-to-Noise Ratio 65 dB
Frequency Response 5 Hz to 10 MHz

Component Video Section
Input (Sensitivity/Impedance) 1 Vp-p/75 Ω
Output (Level/Impedance) 1 Vp-p/75 Ω
Signal-to-Noise Ratio 65 dB
Frequency Response 5 Hz to 100 MHz

HDMI Section
Input 19-pin
Output 19-pin (5 V, 100 mA)

Network Section
LAN terminal 10 BASE-T/100-BASE-TX

USB Section
USB terminal USB2.0 Full Speed

FM Tuner Section
Frequency Range 87.5 MHz to 108 MHz
Antenna Input 75 Ω unbalanced

AM Tuner Section
Frequency Range 530 kHz to 1700 kHz
Antenna Loop antenna

Miscellaneous
Power Requirements AC 120 V, 60 Hz
Power Consumption 330 W
In standby 0.4 W (HDMI Control OFF)
0.6 W (HDMI Control ON)
Dimensions 420 (W) mm x 200 (H) mm x 459.5 (D) mm
(16 9/16 (W) in. x 7 7/8 (H) in. x 18 1/8 (D) in.)
Weight (without package) 18.5 kg (40.8 lb)

Furnished Parts
Setup microphone (for Auto MCACC Setup) 1
AA/IEC R6P dry cell batteries..... 2
Remote control unit 1
AM loop antenna..... 1
FM wire antenna 1
Warranty card 1
Operating instructions

 **Note**
• Specifications and the design are subject to possible modifications without notice, due to improvements.

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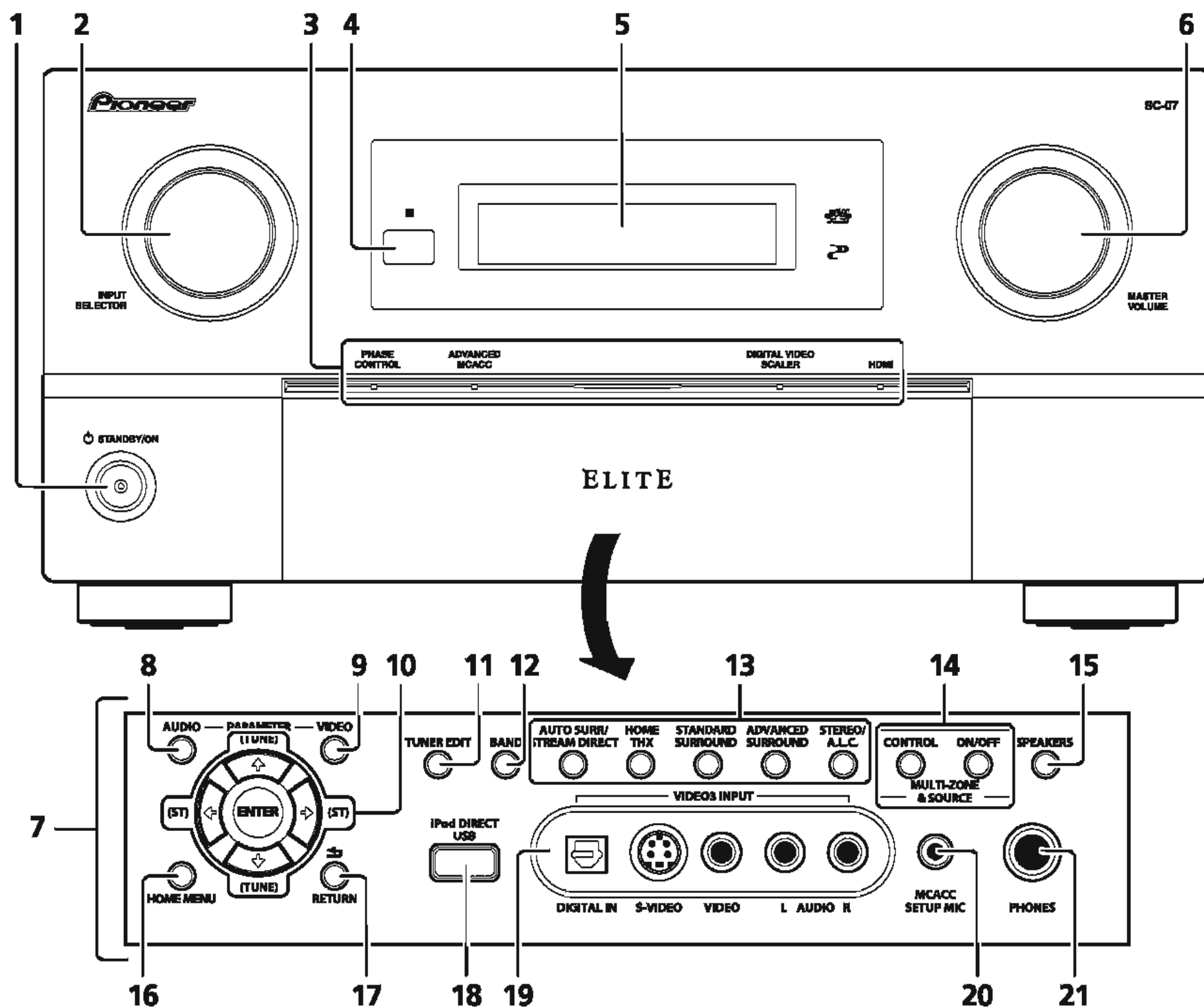
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2.3 PANEL FACILITIES

[1] Front panel



1 **⏻ STANDBY/ON**

Switches the receiver between on and standby. Power indicator lights when the receiver is on.

2 **INPUT SELECTOR** dial

Use to select an input source.

3 PHASE CONTROL indicator – Lights to indicate Phase Control or Full Band Phase Control is selected.

ADVANCED MCACC indicator – Lights when one of the Selecting MCACC presets is selected.

DIGITAL VIDEO SCALER indicator – Lights when Resolution is set to a setting other than **PURE** (for example, when the video input signal is upscaled)

HDMI indicator – Blinks when connecting an HDMI-equipped component; lights when the component 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/ST) /ENTER

Use the arrow buttons when setting up your **HOME MENU**.

Use **TUNE** ↑/↓ to find radio frequencies and use

ST ←/→ 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/STREAM DIRECT – Press to select Auto Surround or Stream Direct listening.

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

STANDARD SURROUND – Press for Standard decoding and to switch between the various  Pro Logic IIx and Neo:6 options.

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

STEREO/A.L.C. – Switches between stereo playback, Auto level control stereo mode and Front Stage Surround Advance modes.

14 MULTI-ZONE & SOURCE 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 system.

16 HOME MENU

Press to access the HOME MENU.

17 RETURN

Press to confirm and exit the current menu screen.

18 iPod DIRECT USB terminal

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

19 VIDEO 3 INPUT

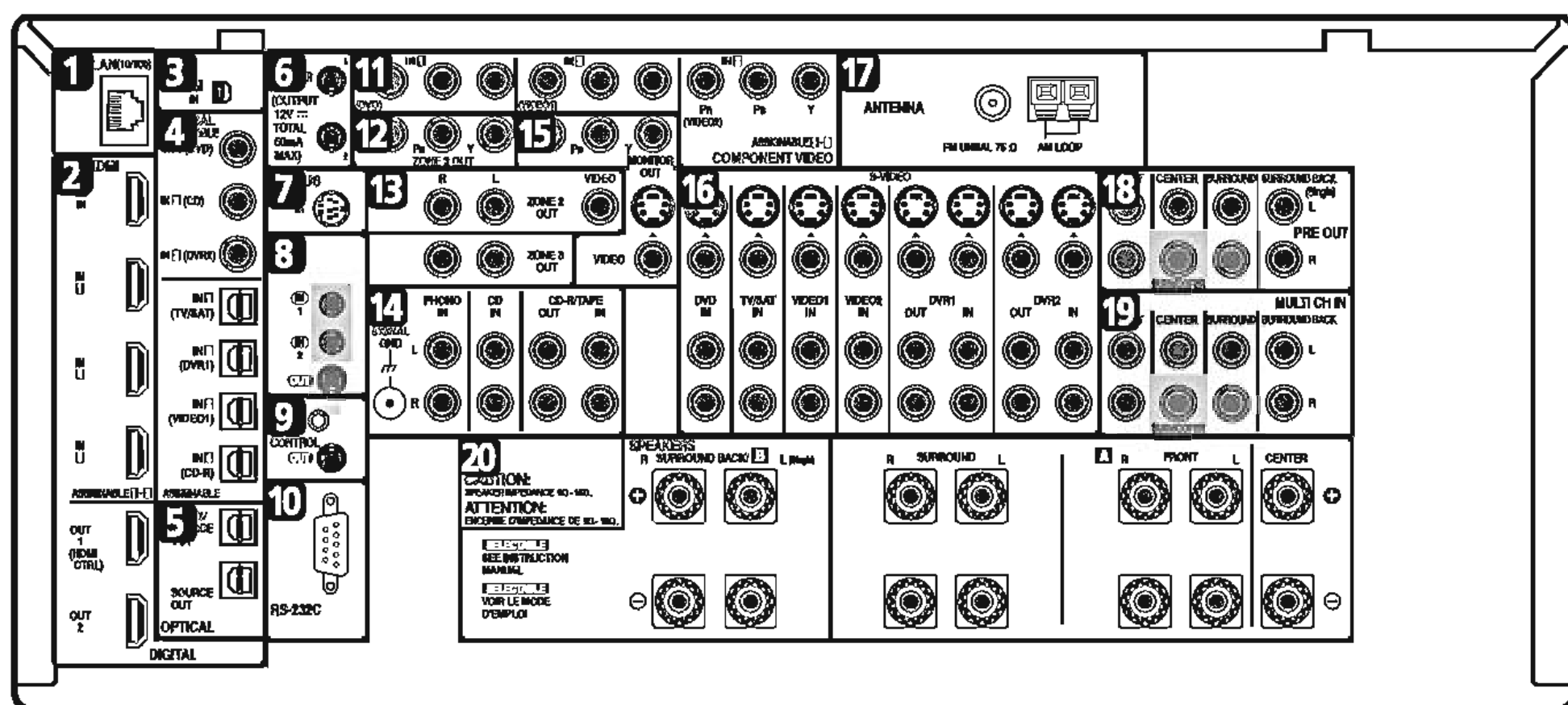
20 MCACC SETUP MIC jack

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.

[2] Rear panel



Caution

- Before making or changing the connections, switch off the power and disconnect the power cord from the power outlet. Plugging in should be the final step.

1 LAN (10/100) terminal

2 HDMI connectors (x6 (SC-07), x5 (SC-05))

Multiple inputs and one (SC-05) or two (SC-07) outputs for high-quality audio/video connection to compatible HDMI devices.

3 XM Radio input

4 Optical and coaxial digital audio inputs (x7 (SC-07), x6 (SC-05))

Use for digital audio sources, including DVD players/recorders, digital satellite receivers, CD players, etc.

5 Optical digital audio outputs (x2)

Use for recording to a CD or MiniDisc recorder.

ZONE3/SOURCE OUT jack is also used for MULTI-ZONE connections.

6 12 V trigger jacks (total 50 mA max.) (x2)

Use to switch components in your system on and off according to the input function of the receiver.

7 SIRIUS Radio input

8 Remote inputs/output

Use for connection to an external remote control sensor for use in a MULTI-ZONE setup, for example.

9 Control input/output

Use to connect other Pioneer components so that you can control all your equipment from a single IR remote sensor.

10 RS-232C connector

Use for connection to a PC for graphical output when using Advanced MCACC or Full Band Phase Control.

11 Component video inputs (x3)

Use the inputs to connect any video source that has component video output, such as a DVD player.

12 SC-07 only: ZONE 2 component video output

Use to connect monitors or TVs in a separate room.

13 MULTI-ZONE audio/video outputs

Use to connect a second or third amplifier and monitors or TVs in a separate room.

14 Stereo analog audio source inputs/(outputs) (x4)

Use for connection to audio sources such as CD players, tape decks, turntables, etc.

15 Composite, S-Video and Component monitor outputs

Use to connect monitors and TVs.

16 Audio/video source inputs/(outputs) (x8)

Use for connection to audio/visual sources, such as DVD players/recorders, VCRs, etc. Each set of inputs has jacks for composite video, S-Video and stereo analog audio.

17 AM and FM antenna terminals

Use to connect indoor or outdoor antennas for radio broadcasts.

18 Multichannel pre-amplifier outputs

Use to connect separate amplifiers for front, center, surround, surround back and subwoofer channels.

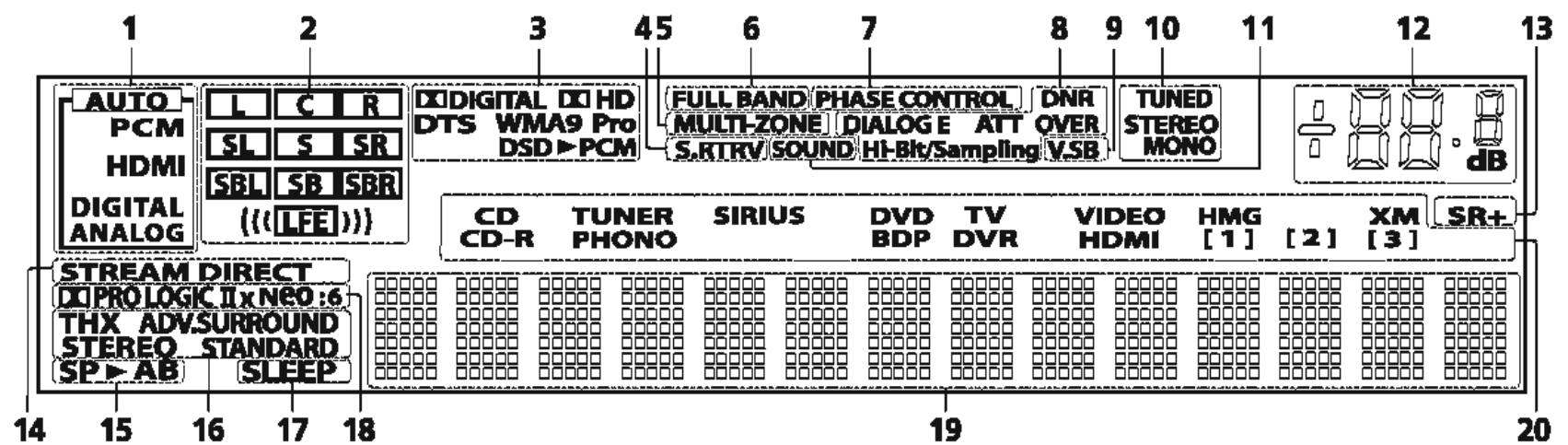
19 Multichannel analog audio inputs

7.1 channel inputs for connection to a DVD player with multichannel analog outputs.

20 Speaker terminals

Use for connection to the main front, center, surround and surround back speakers.

[3] 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

These change according to which channels are active in digital sources.

L – Left front channel

C – Center channel

R – Right front channel

SL – Left surround channel

S – Surround channel (mono)

SR – Right surround channel

SBL – Left surround back channel

SB – Surround back channel (mono)

SBR – Right surround back channel

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

3 Digital format indicators

Light when a signal encoded in the corresponding format is detected (**DSD > PCM** lights during DSD (Digital Stream Direct) to PCM conversion with SACDs).

4 S.RTRV

Lights when the Sound Retriever is switched on.

5 MULTI-ZONE

Lights when the MULTI-ZONE feature is active.

6 FULL BAND

Lights when the Full Band Phase Control is switched on.

7 PHASE CONTROL

Lights when the Phase Control or Full Band Phase Control is switched on.

8 Sound processing indicators

Light according to the active Audio parameter(s) and/or **ANALOG ATT**.

9 V.SB

Lights during Virtual surround back processing.

10 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**.

11 SOUND

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

12 Master volume level

Shows the overall volume level. **-80dB** indicates the minimum level, and **+12dB** indicates the maximum level.

13 SR+

Lights when the SR+ mode is switched on.

14 STREAM DIRECT

Lights when Direct/Pure Direct is selected.

15 Speaker indicators

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

16 Listening mode indicators

THX – Lights when one of the Home THX modes 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.

17 SLEEP

Lights when the receiver is in sleep mode.

18 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.

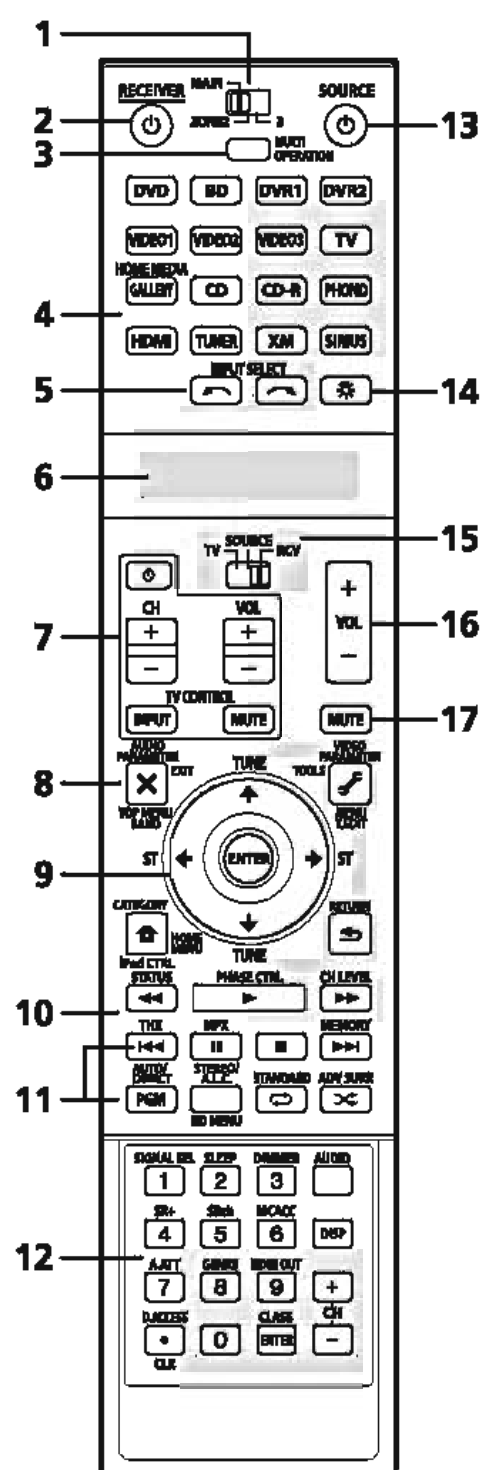
19 Character display

Displays various system information.

20 Input source indicators

Light to indicate the input source you have selected.

[4] Remote control



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 source buttons

Press to select control of other components.

5 INPUT SELECT

Use to select the input source.

6 Character display (LCD)

This display shows information when transmitting control signals.

The following commands are shown when you're setting the remote to control other components:

SETUP – Indicates the setup mode, from which you choose the options below.

PRESET –

LEARNING –

MULTI OP –

SYS OFF -

DIRECT F -

RENAME -

ERASE -

RESET -

READ ID -

7 TV CONTROL buttons

These buttons are dedicated to control the TV assigned to **TV** operation selector switch. Thus if you only have one TV to hook up to this system assign it to the **TV** operation selector switch.

- ⏻** – Use to turn on/off the power of the TV.
VOL +/- – Use to adjust the volume on your TV.
INPUT – Use to select the TV input signal.
CH +/- – Use to select channels.
MUTE – Use to mute the sound or cancel the mute mode.

8 Tuner/component control buttons/HOME MENU

These button controls can be accessed after you have selected the corresponding input source button (**DVD**, **DVR 1**, **TV**, etc.).

Set the operation selector switch to **RCV** to access the following controls:

- 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 (also use to return to the previous menu with DVDs or to select closed captioning with DTV).

9 ↑/↓/←/→ (TUNE/ST) /ENTER

Use the arrow buttons when setting up your surround sound system and the Audio or Video options. Also used to control DVD menus/options and for deck 1 of a double cassette deck player. Use **TUNE** / to find radio frequencies and use **ST** / to find preset stations.

10 Component control buttons

The main buttons (▶, ■, etc.) are used to control a component after you have selected it using the input source buttons.

The controls above these buttons can be accessed after you have selected the corresponding input source button (for example **DVD**, **DVR 1** or **TV**). These buttons also function as described below.

Press **TUNER** first to access:

- MPX** – Switches between stereo and mono reception of FM broadcasts. If the signal is weak, then switching to mono will improve the sound quality. NOISE CUT MODE 1 to 2 can be selected when receiving AM broadcasts.

Set the operation selector switch to **RCV** 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.

11 Receiver controls

- AUTO/DIRECT** – Press to select Auto Surround or Stream Direct listening.
- STEREO/A.L.C.** – Switches between the stereo playback mode and the Front Stage Surround Advance mode.
- STANDARD** – Press for Standard decoding and to switch between the various **■** Pro Logic IIx and Neo:6 options.
- ADV SURR** – Use to switch between the various surround modes.
- THX** – Press to select a Home THX listening mode.

12 Number buttons and other receiver/component controls

Use the number buttons to directly select a radio frequency or the tracks on a CD, DVD, etc.

ENTER can be used to enter commands for TV or DTV.

After set the remote control operation switch to **RCV**:

- 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.
- SR+** – Switches the SR+ mode on/off.
- SBch** – Use to select the surround/virtual back channel mode.
- MCACC** – Press to switch between MCACC presets.
- A.ATT** – Attenuates (lowers) the level of an analog input signal to prevent distortion.
- GENRE** – Automatically selects the most appropriate Advanced Surround mode for the genre of the source currently being played back (this feature is available only when a Pioneer DVD recorder supporting HDMI Control is connected to this receiver via HDMI).
- SC-07 only: **HDMI OUT** – Switch the HDMI output terminal.

Press **TUNER** first to access:

- D.ACCESS** – After pressing, you can access a radio station directly using the number buttons.
- CLASS** – Switches between the three banks (classes) of radio station presets.

13 SOURCE

Press to turn on/off other components connected to the receiver.

14 Remote control illumination button

Press to turn on/off the illumination of some of the buttons and the LCD light.

15 Remote control operation selector switch

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

When this switch is set to **RCV**, the receiver can be controlled (used to select the white commands above the number buttons (**A.ATT**, etc.)). Also use this switch to set up surround sound.

16 VOL +/-

Use to set the listening volume.

17 MUTE

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

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

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

No.	Procedures	Item to be checked
1	Confirm whether the customer complain has been solved. 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. Video, Audio and operations must be normal.
2	Check the analog audio playback. (Make the analog connections with a DVD player.)	Each channel audio and operations must be normal.
3	Check the digital audio playback. (Make the digital connections with a DVD player.)	Each channel audio and operations must be normal.
4	Check surround playback. (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. (Connect with a DVD player.)	Video and operations must be normal.
6	Check the sound from headphone output.	Sound must be normal, without noise.
7	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:

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

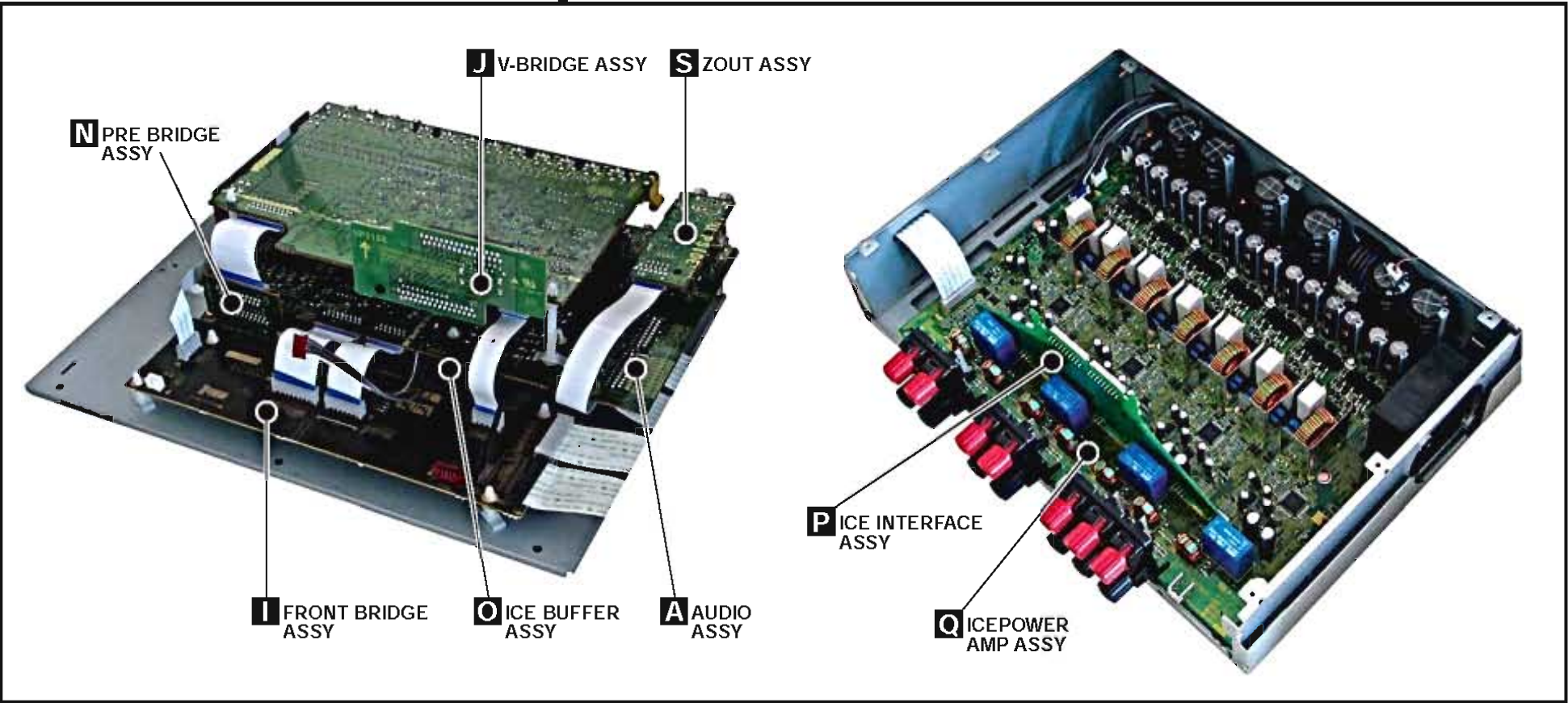
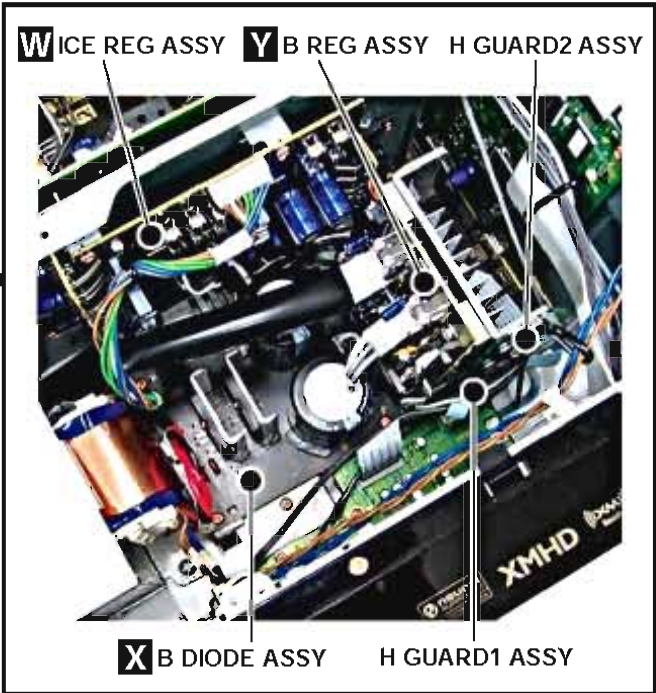
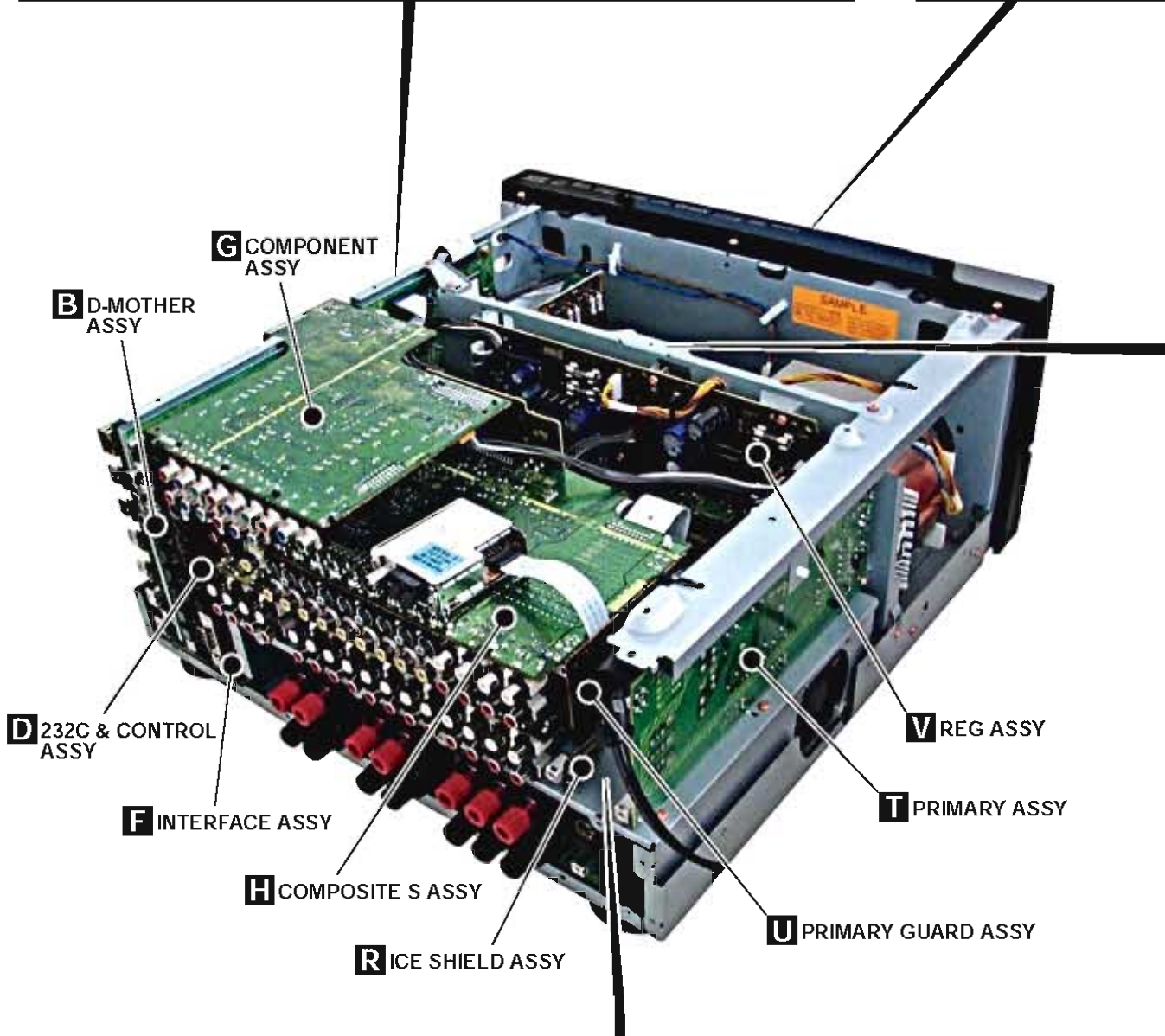
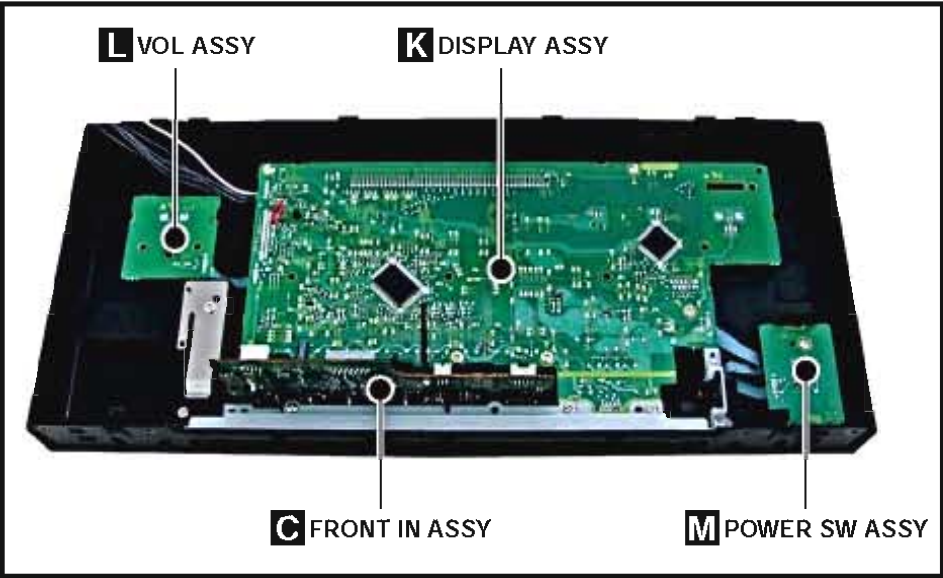
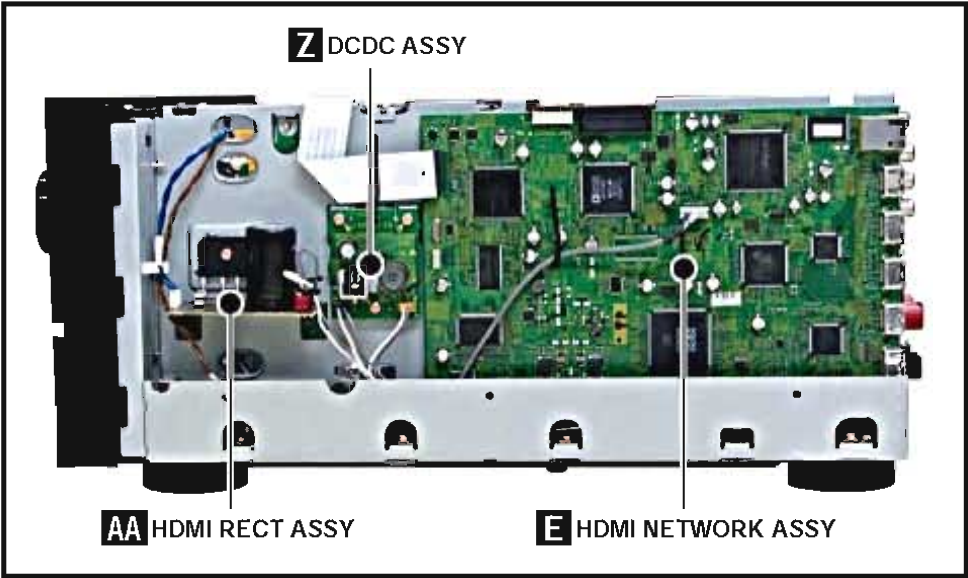
● Cleaning the Fan



Before shipment, be sure to clean the fan, using the following cleaning materials:

Cleaning paper : GED-008

3.2 PCB LOCATIONS



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

◆ LIST OF ASSEMBLIES

Mark	Symbol and Description	SC-07/KUXJ /CA	SC-05/KUXJ /CA
	1..ICEPOWER AMP ASSY	AWH7015	AWH7015
NSP	1..COMPOSITE ICE ASSY	AWM8106	AWM8106
	2..COMPOSITE S ASSY	AWX9144	AWX9144
	2..ICE BUFFER ASSY	AWX9145	AWX9145
	2..PRE BRIDGE ASSY	AWX9146	AWX9146
	2..ICE SHIELD ASSY	AWX9173	AWX9173
NSP	1..PRIM DISPLAY ASSY	AWM8119	AWM8128
	2..PRIMARY ASSY	AWX9154	AWX9154
	2..HDMI RECT ASSY	AWX9156	AWX9156
	2..DISPLAY ASSY	AWX9158	AWX9238
	2..VOL ASSY	AWX9159	AWX9159
	2..POWER SW ASSY	AWX9160	AWX9160
	2..V-BRIDGE ASSY	AWX9161	AWX9161
NSP	1..DIGITAL MOTHER ASSY	AWP7057	AWP7063
	2..D-MOTHER ASSY	AWX9136	AWX9201
	2..ICE INTERFACE ASSY	AWX9137	AWX9137
	2..DCDC ASSY	AWX9138	AWX9138
	2..H GUARD2 ASSY	AWX9147	AWX9147
	2..H GUARD1 ASSY	AWX9174	AWX9174
NSP	1..COMPONENT FIN ASSY	AWQ7058	AWQ7061
	2..COMPONENT ASSY	AWX9141	AWX9211
	2..FRONT IN ASSY	AWX9142	AWX9142
	2..ZOUT ASSY	AWX9143	AWX9143
NSP	1..INTERFACE REG ASSY	AWR7067	AWR7067
	2..INTERFACE ASSY	AWX9148	AWX9148
	2..ICE REG ASSY	AWX9149	AWX9149
	2..B REG ASSY	AWX9150	AWX9150
	2..B DIODE ASSY	AWX9171	AWX9171
NSP	1..FBRIDGE REG ASSY	AWR7068	AWR7068
	2..REG ASSY	AWX9152	AWX9152
	2..FRONT BRIDGE ASSY	AWX9155	AWX9155
NSP	1..AUDIO ASSY	AWR7070	AWR7070
	2..AUDIO ASSY	AWX9139	AWX9139
	2..232C & CONTROL ASSY	AWX9140	AWX9140
	2..PRIMARY GUARD ASSY	AWX9172	AWX9172
	1..HDMI/NETWORK ASSY	AWX9135	AWX9190

3.3 JIGS LIST

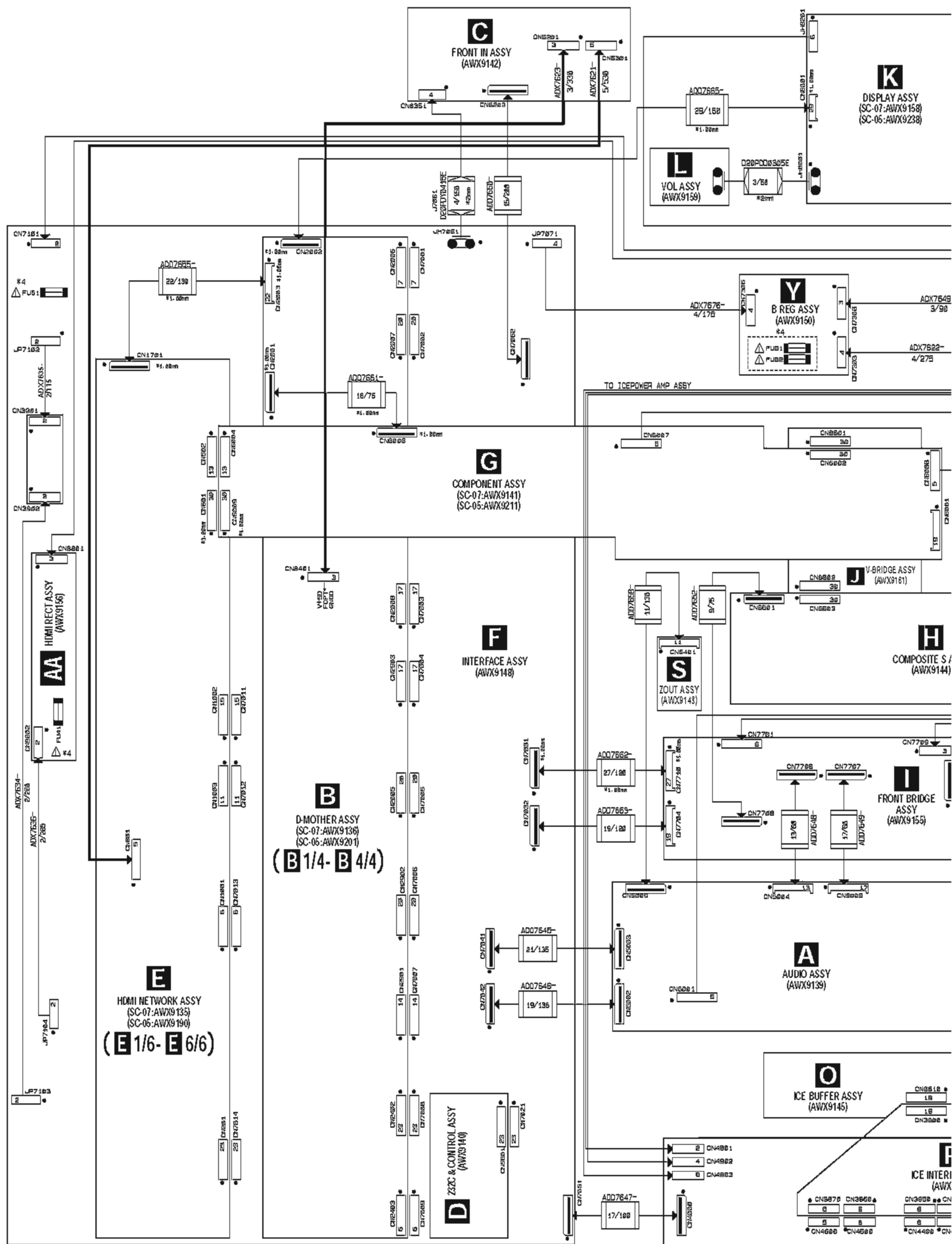
[1] Jigs List

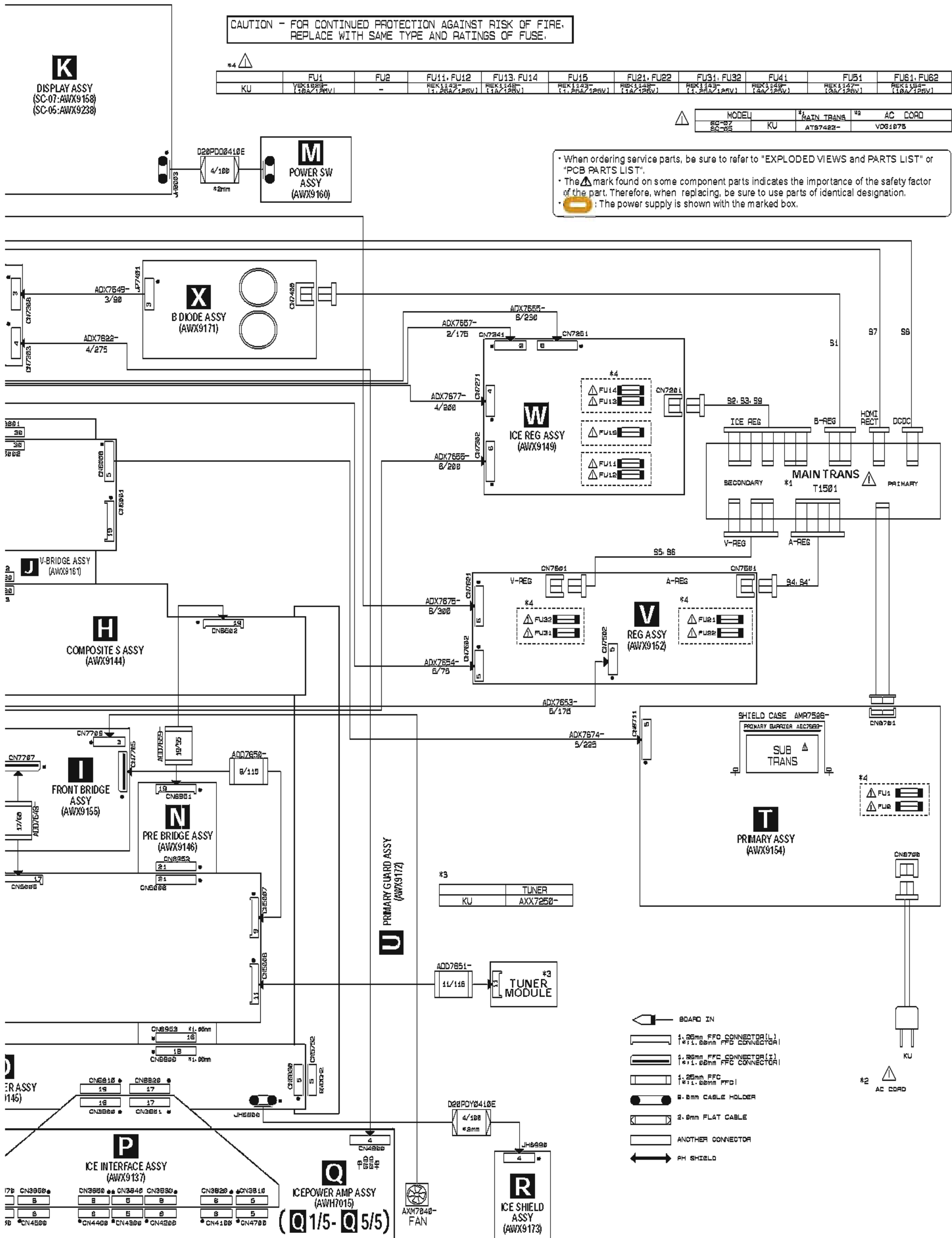
Name	Jig No.	Remarks
27P FFC	GGD1588	Diagnosis
19P FFC	GGD1589	Diagnosis
21P FFC	GGD1590	Diagnosis
16P FFC	GGD1591	Diagnosis
30p+13p board to board extension cable	GGD1592	Diagnosis
17p+19p board to board extension cable	GGD1593	Diagnosis
5p extension cable	GGD1594	Diagnosis

[2] Lubricants and Glues List

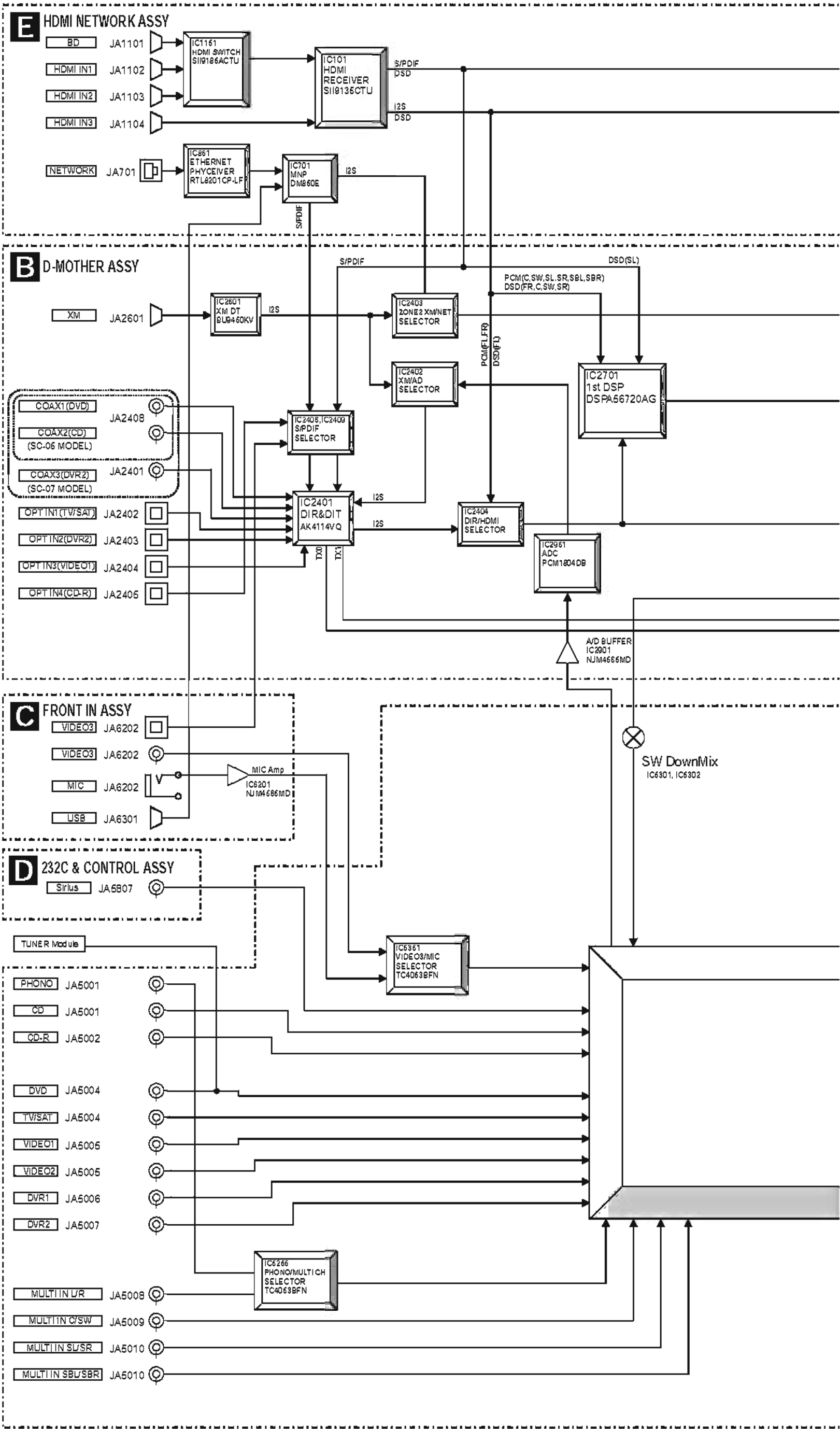
Name	Lubricants and Glues No.	Remarks
Lubricating Oil	GYA1001	Refer to "9.5 FRONT PANEL SECTION"
Silicone Grease	GEM1057	Refer to "9.3 CHASSIS SECTION"

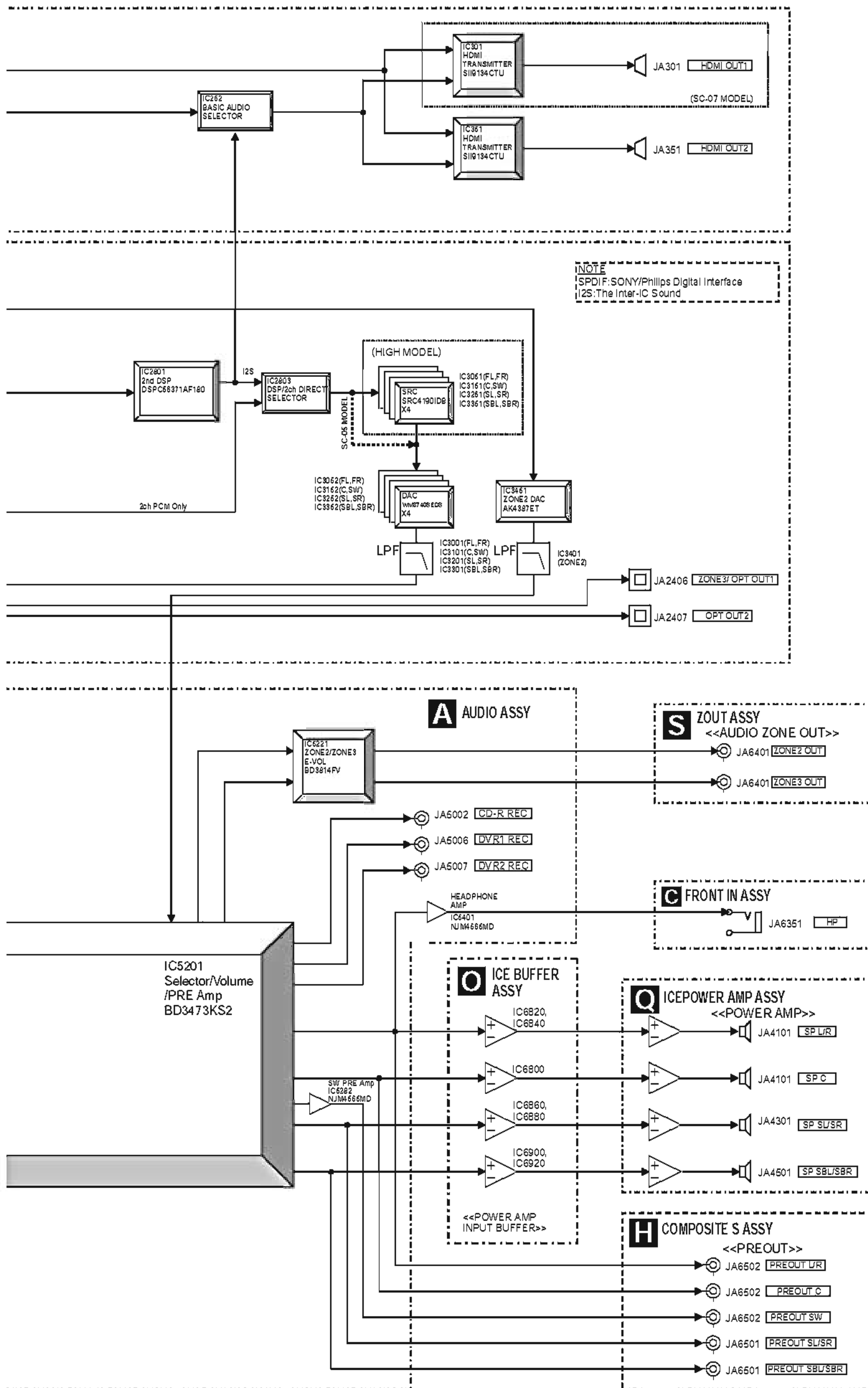
4.1 OVERALL WIRING DIAGRAM



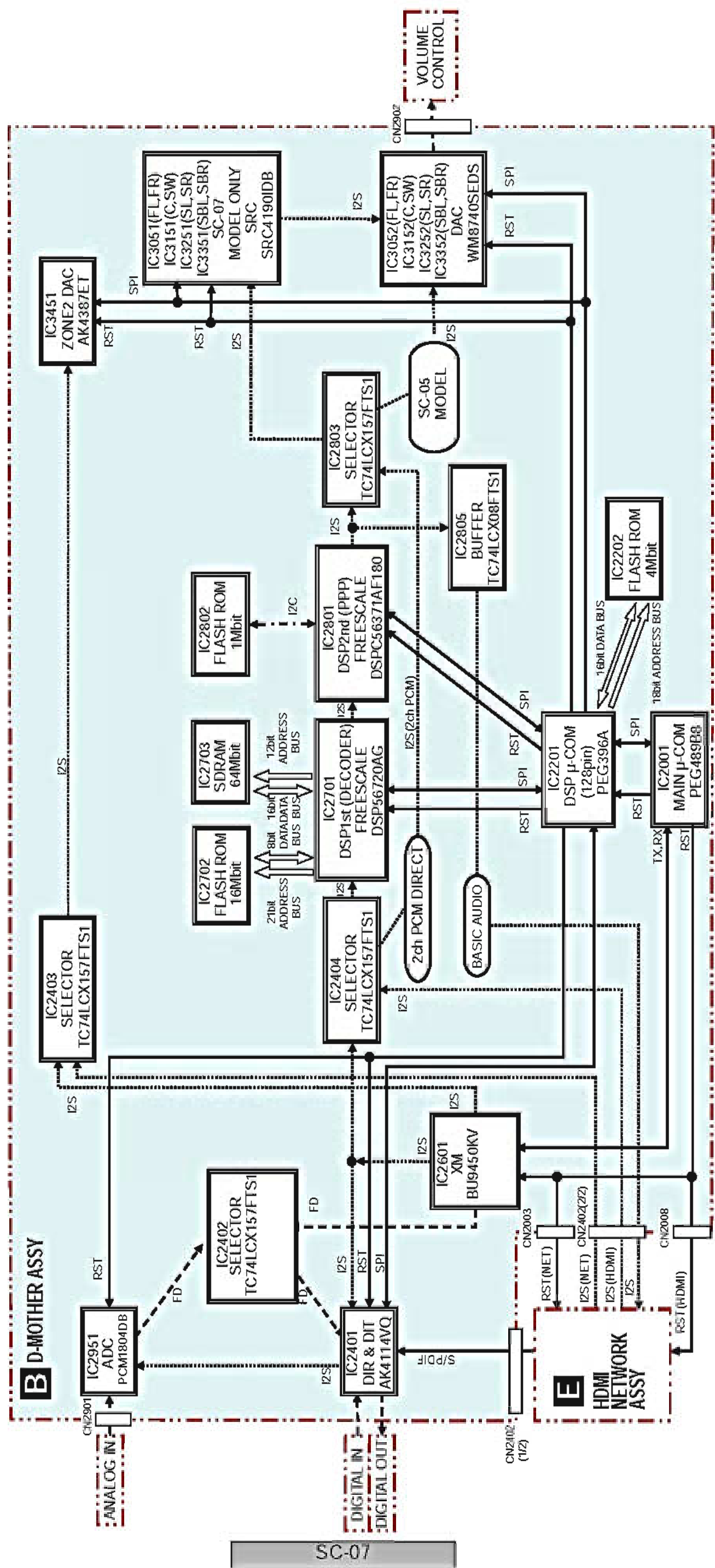


4.2 AUDIO BLOCK DIAGRAM

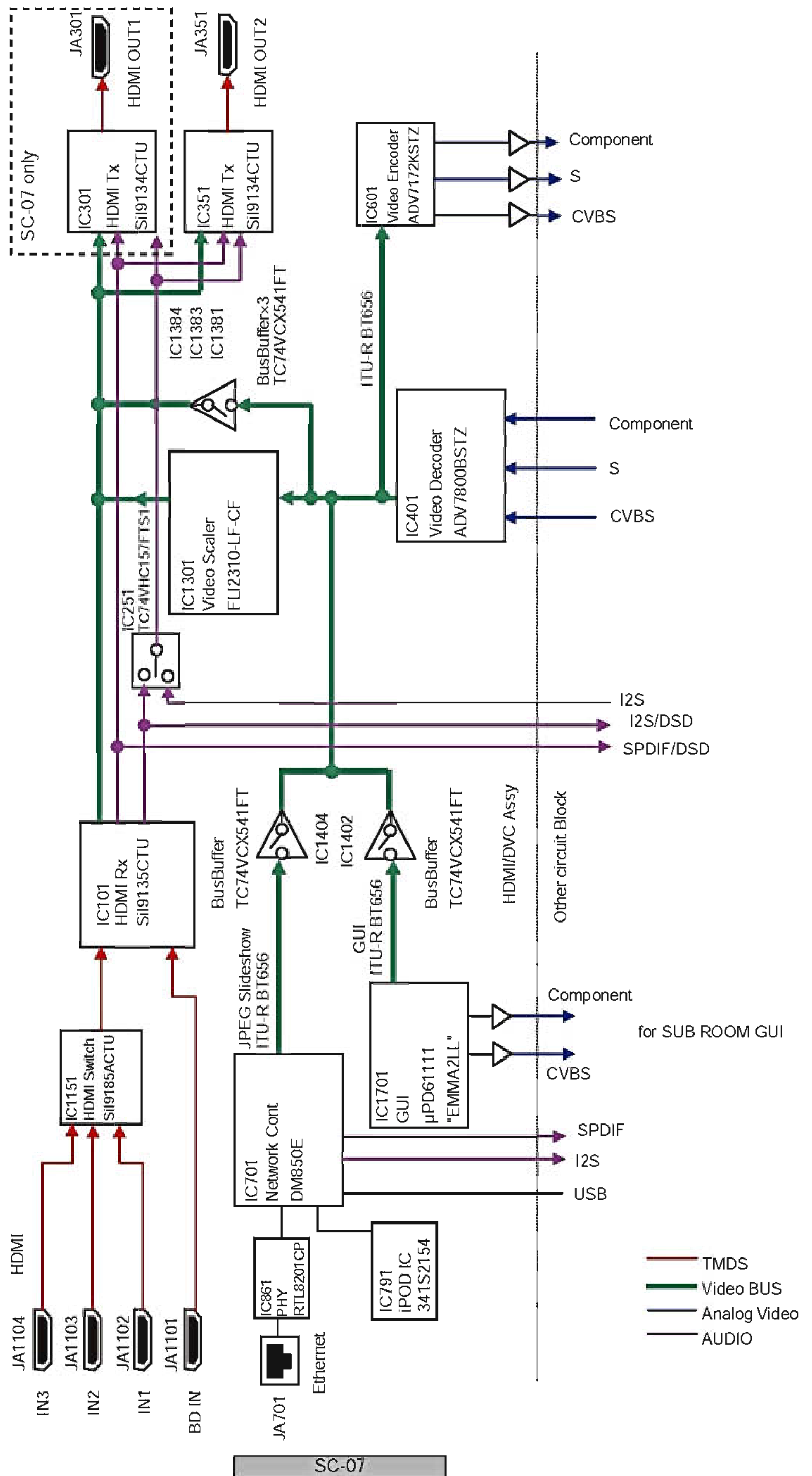




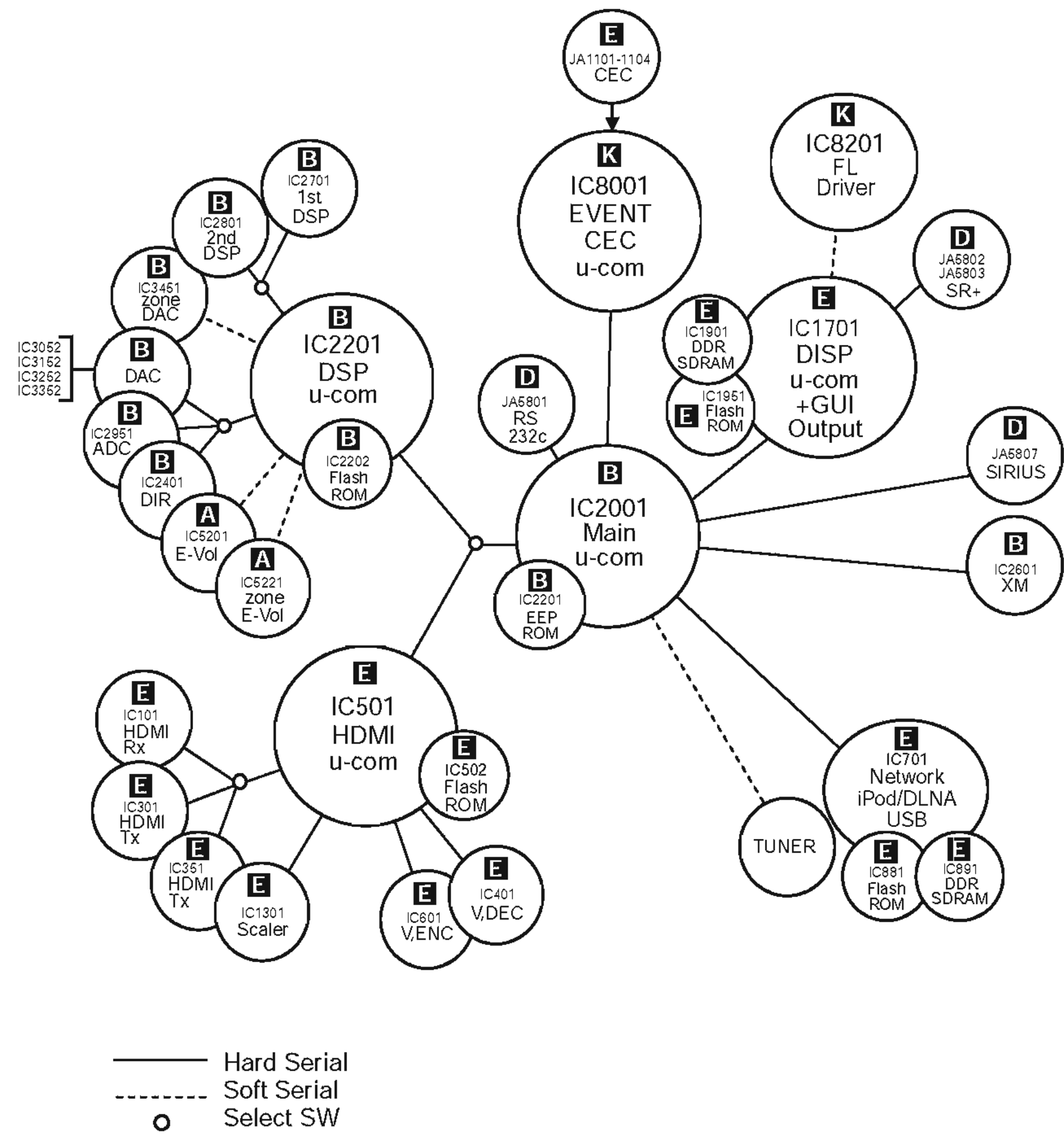
26



4.4 HDMI NETWORK BLOCK DIAGRAM

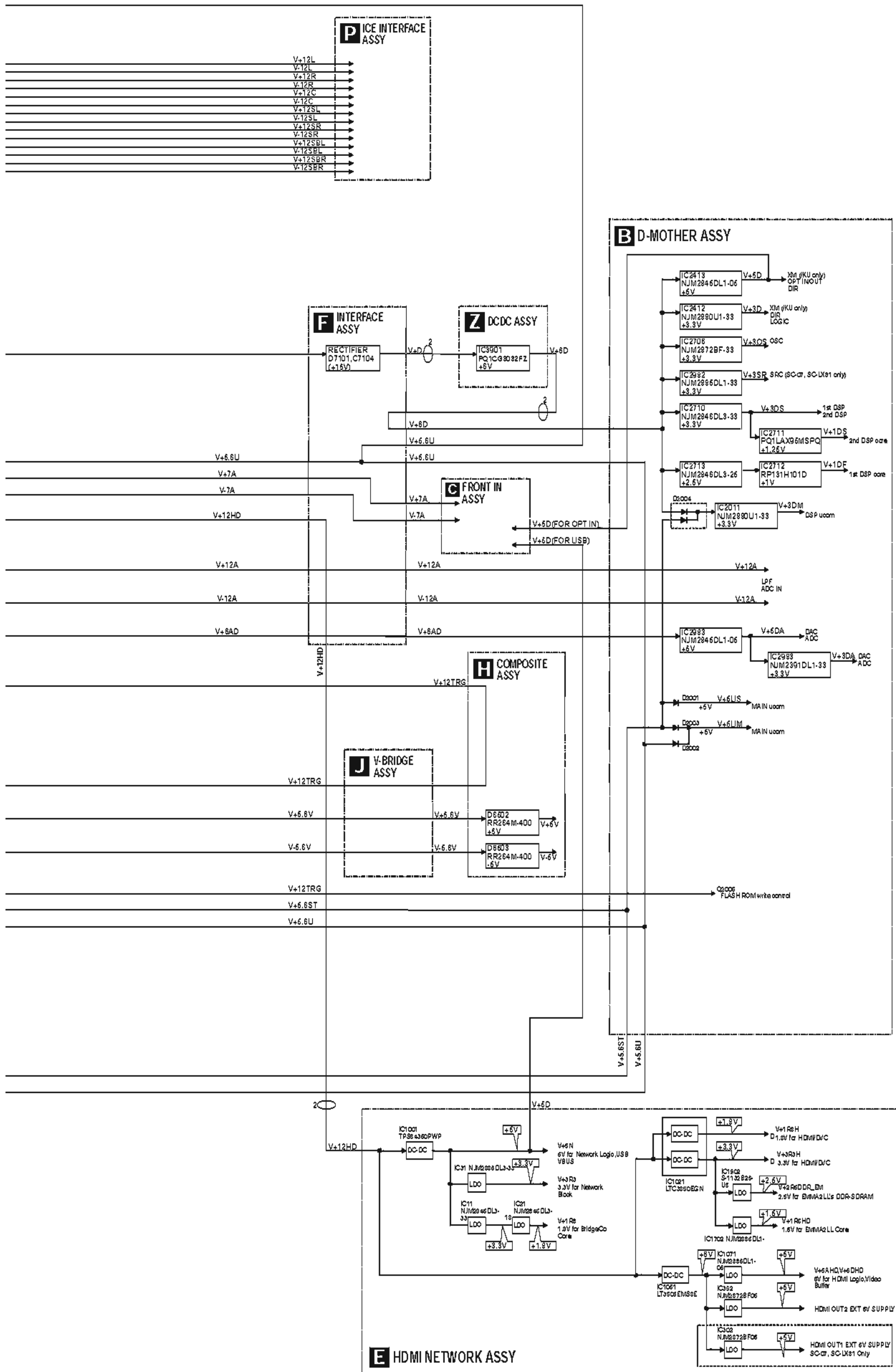


4.5 MICROCOMPUTER BLOCK DIAGRAM



30

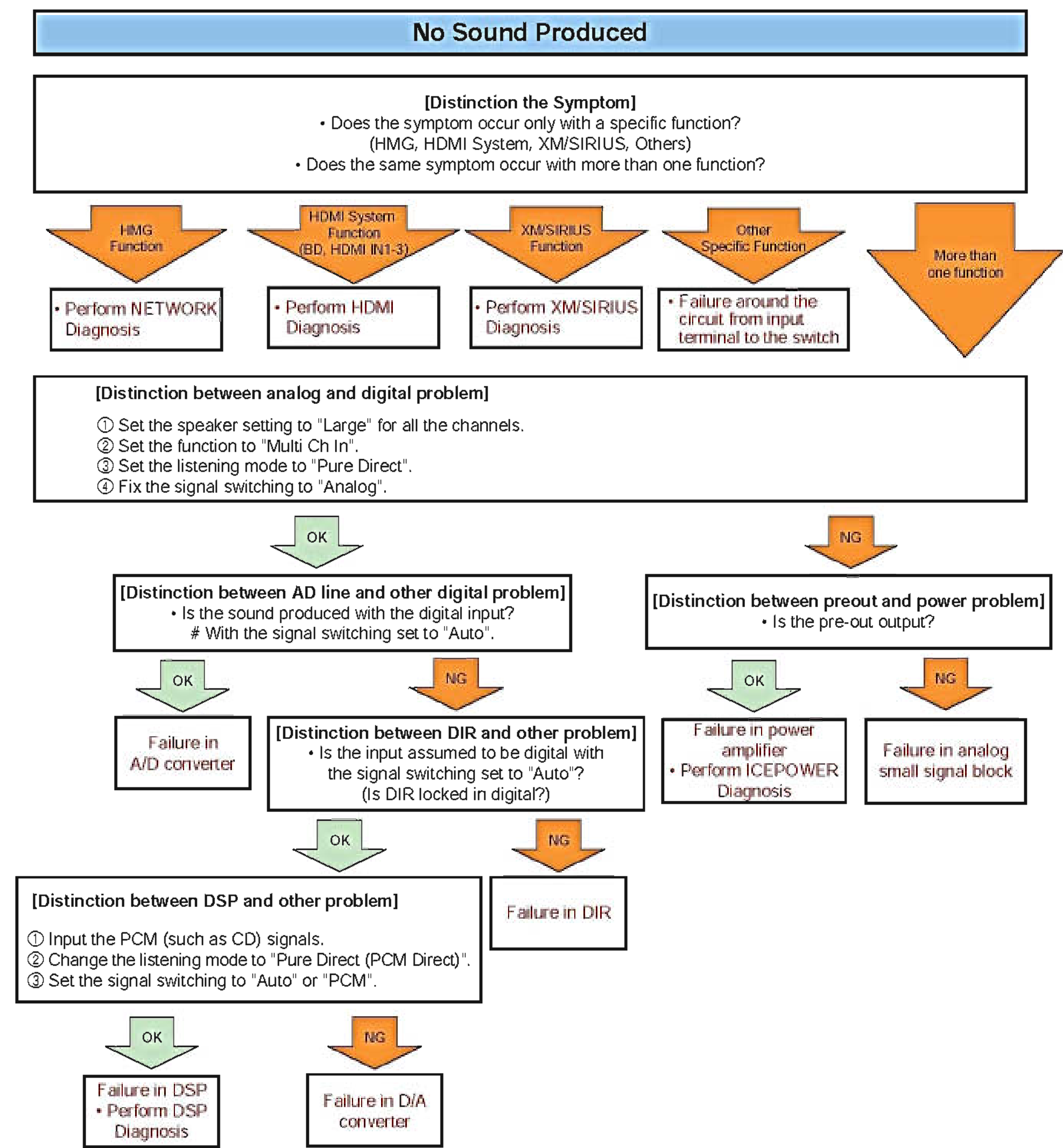




5. DIAGNOSIS

5.1 DIAGNOSIS FLOWCHART

[1] Audio Section Troubleshooting



[2] DSP Troubleshooting

1) Simplified diagnosis

DSP block malfunction is detected.

(The part can be roughly expected just by operation of the main unit.)

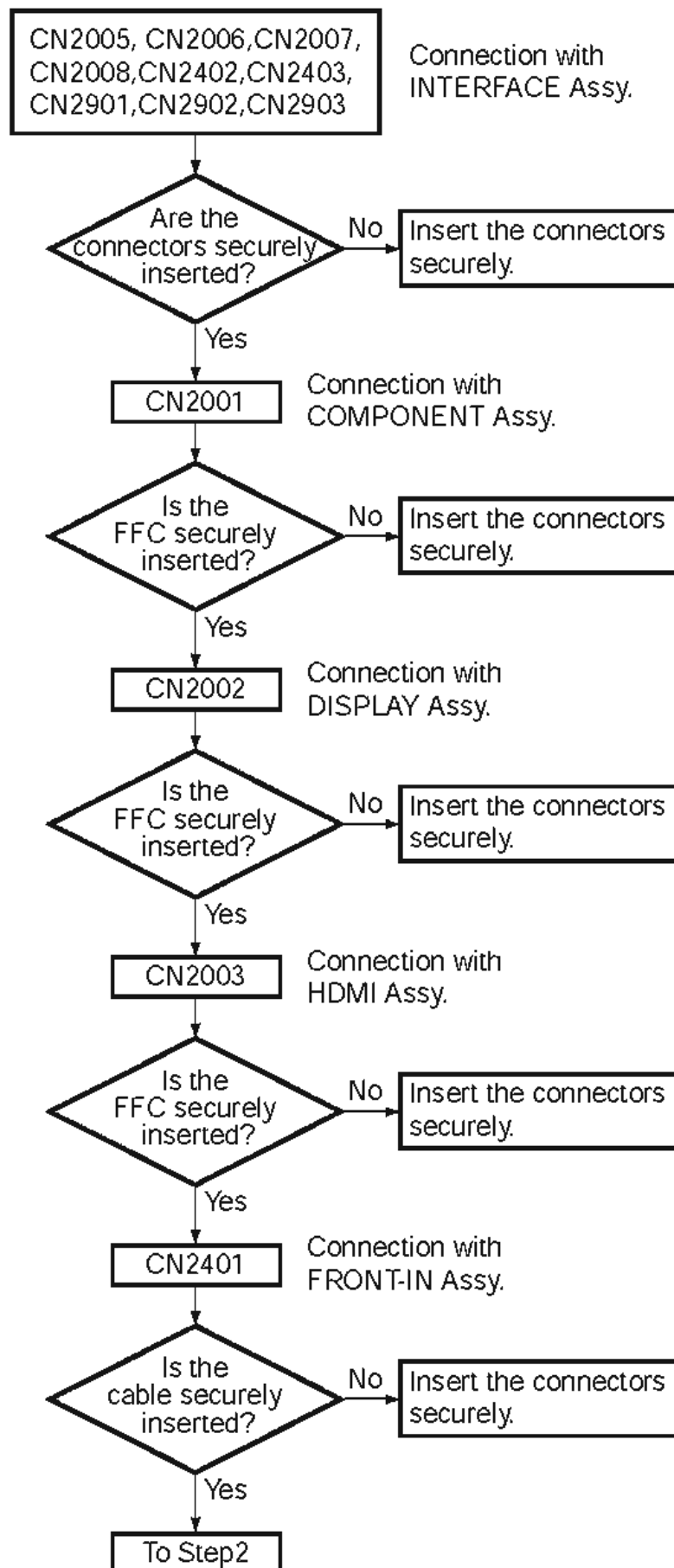
- Has DSP block caused the malfunction?

Inputting a 2ch PCM (such as CD) digital signal, check if the sound plays by switching AUTO SURR / STREAM DIRECT. When the sound doesn't play in AUTO SURROUND or DIRECT MODE though it does in PURE DIRECT (PCM DIRECT) MODE, DSP block might be defective.

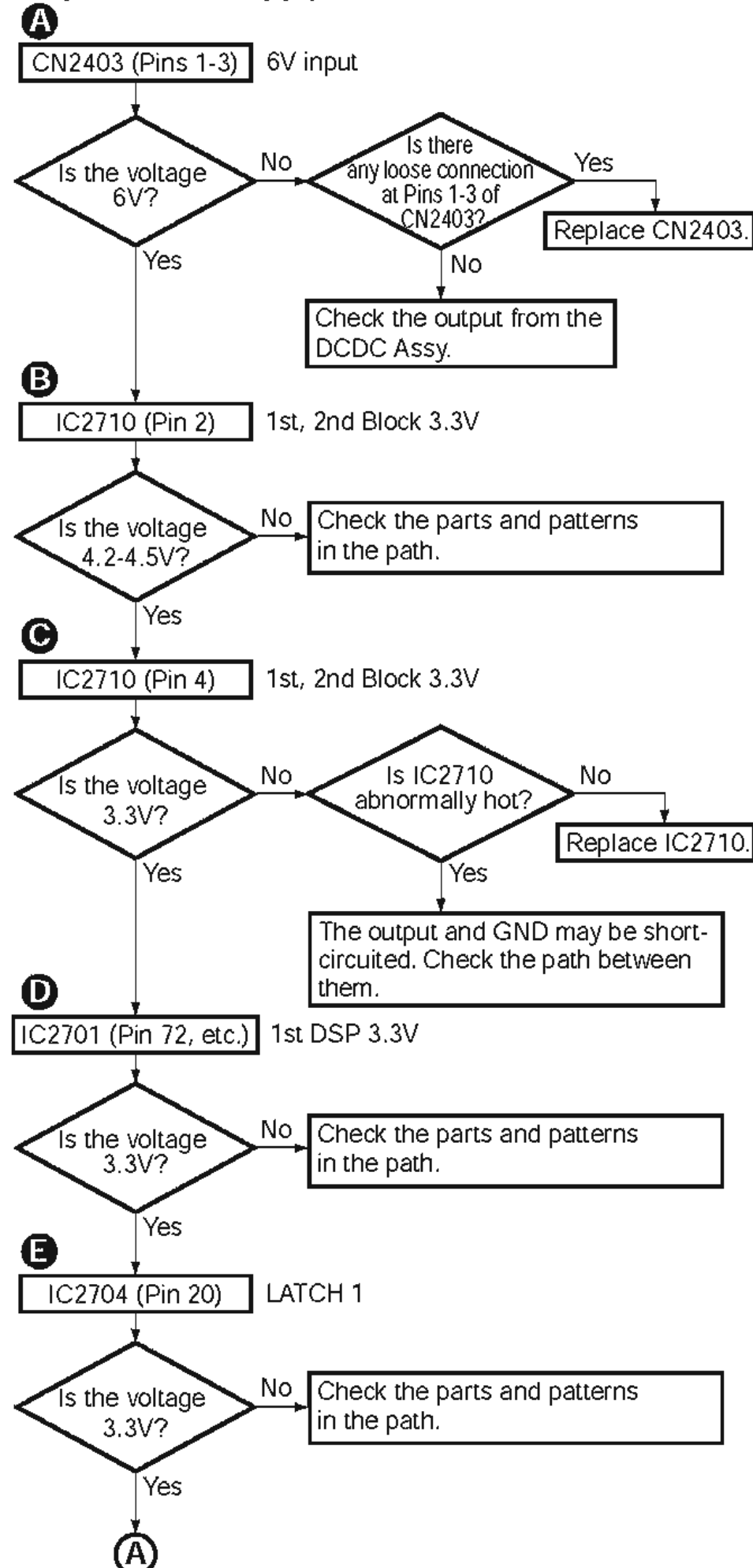
2) Troubleshooting

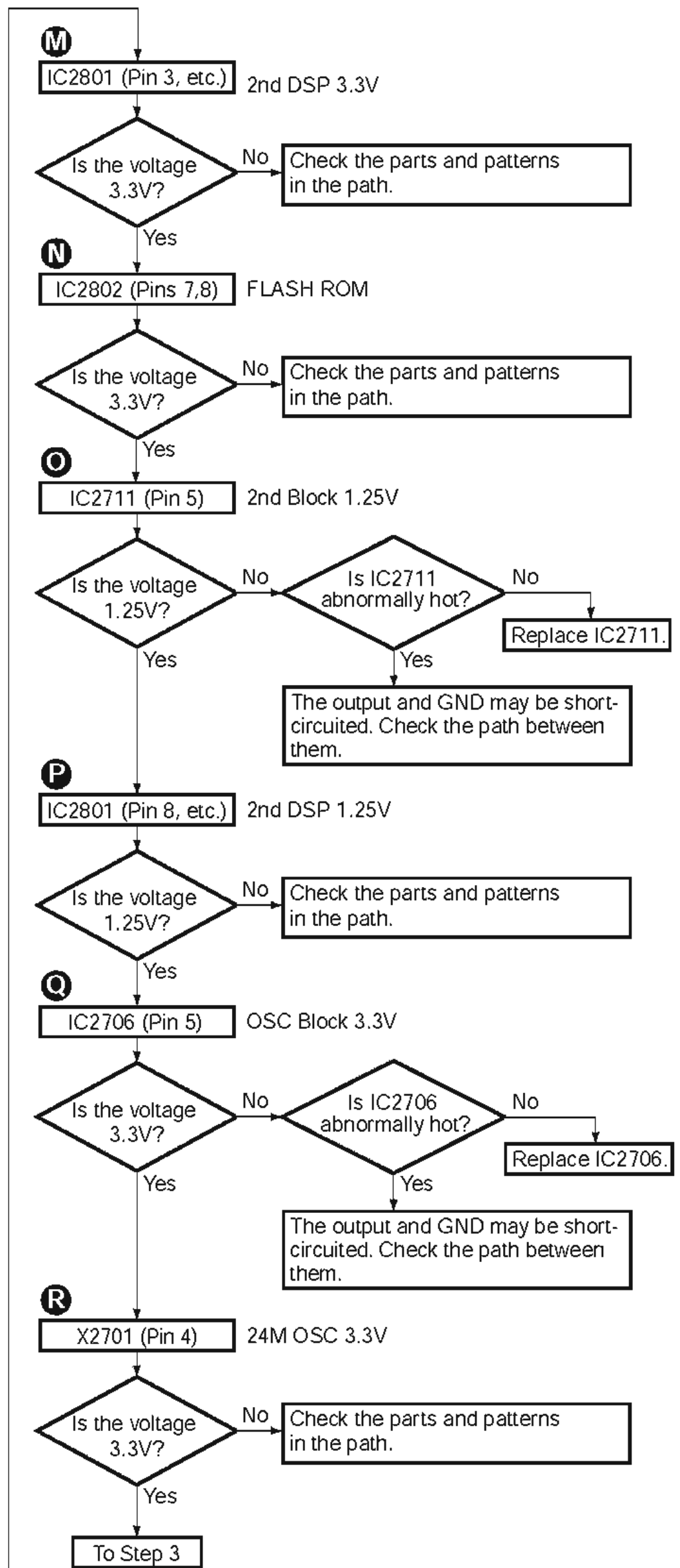
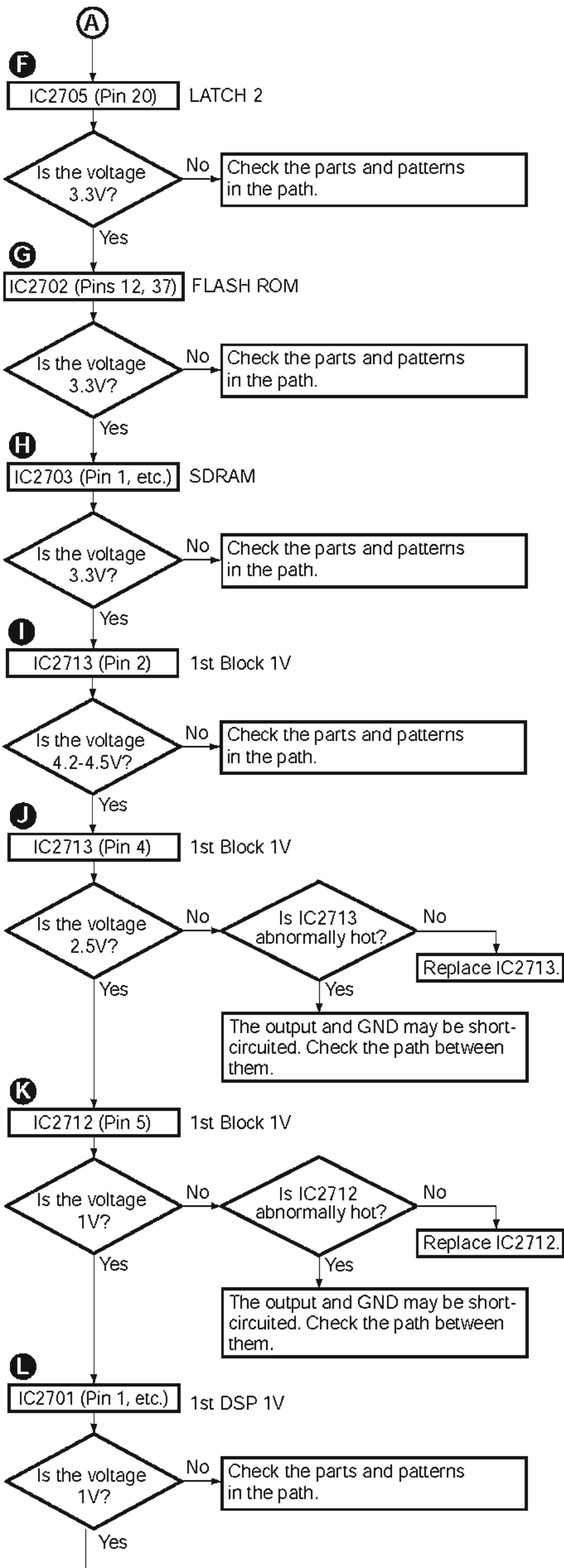
- It is assumed that there is no loose connection or damage in the LCRs.
- Refer to "DIGITAL MOTHER Assy Check Points (DSP Section)" as the parts marked **A** to **AY** in the troubleshooting are located.

Step 1: Connections

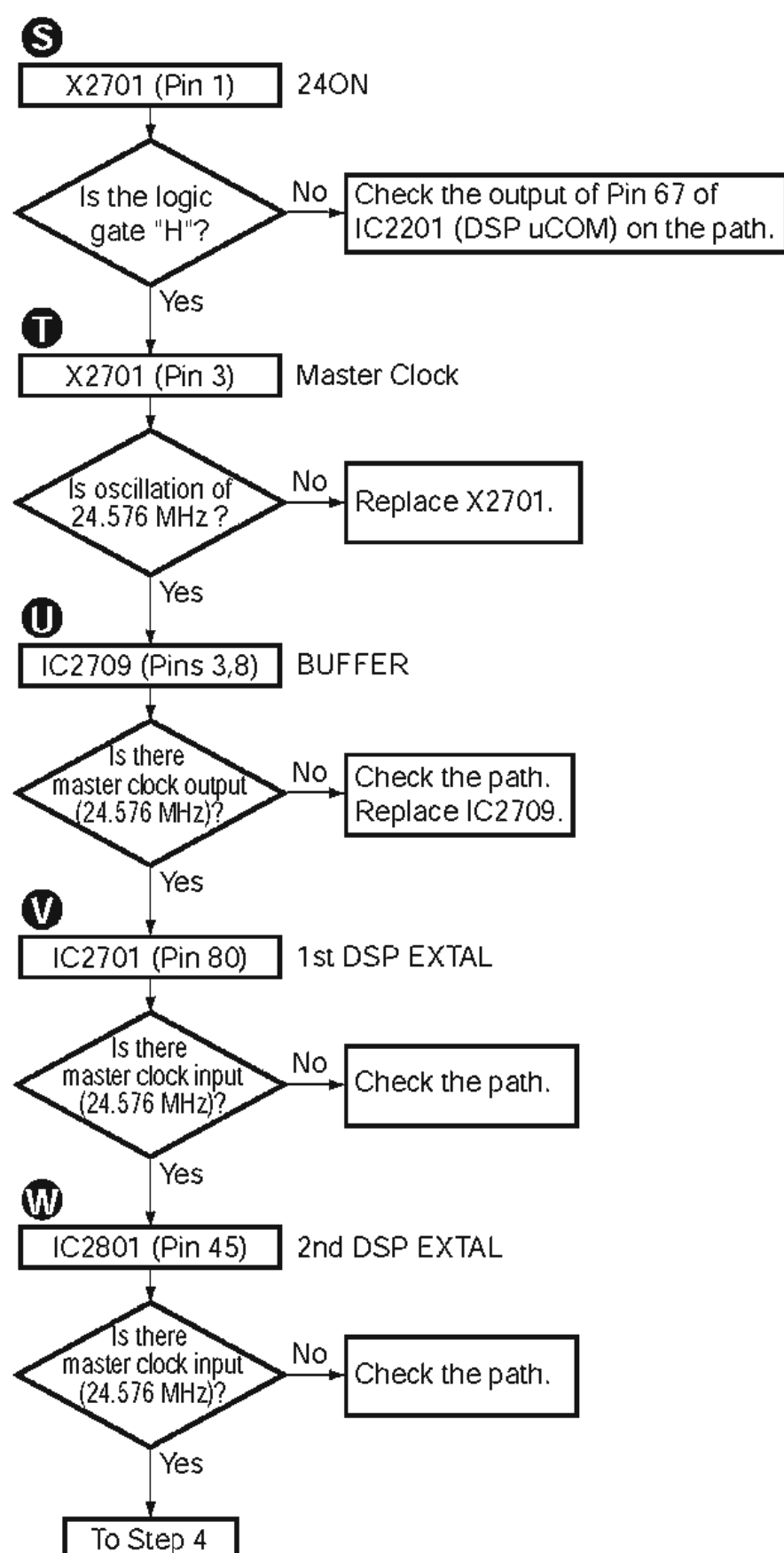


Step 2: Power supply

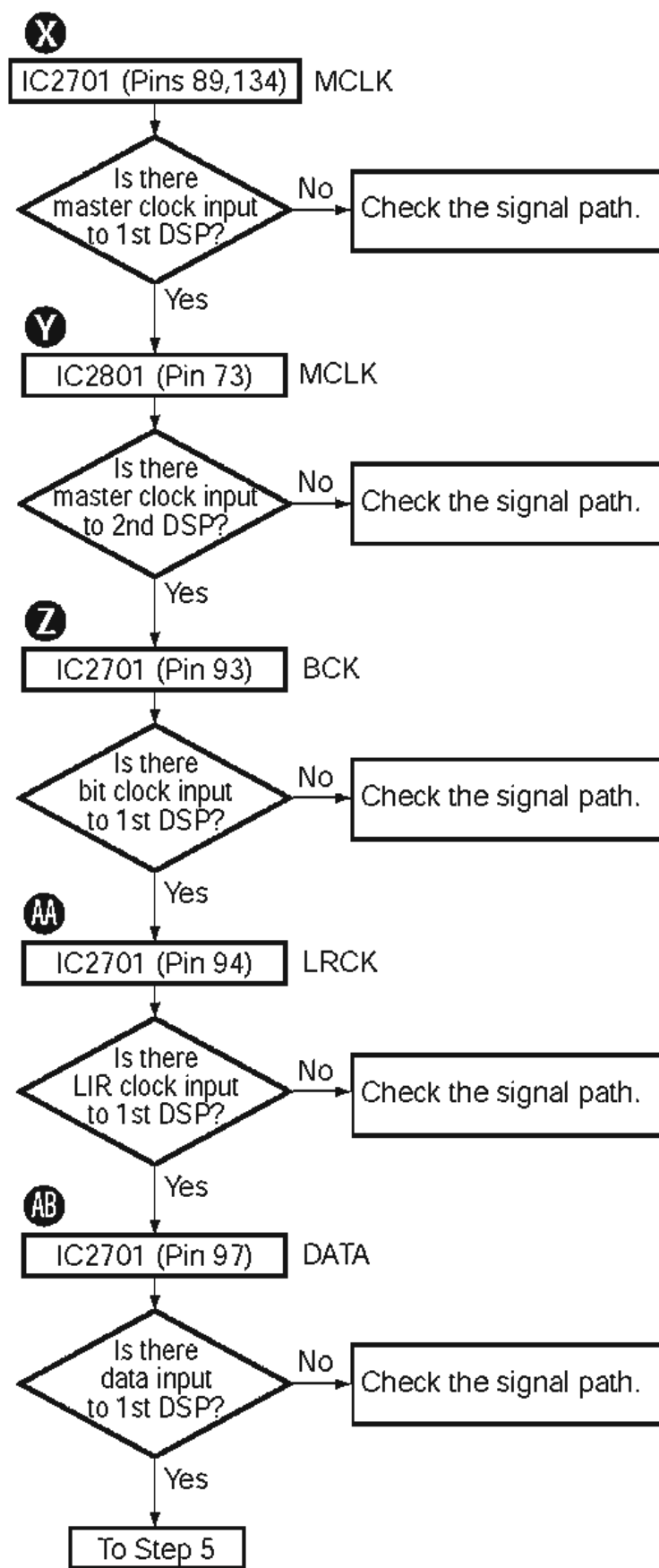




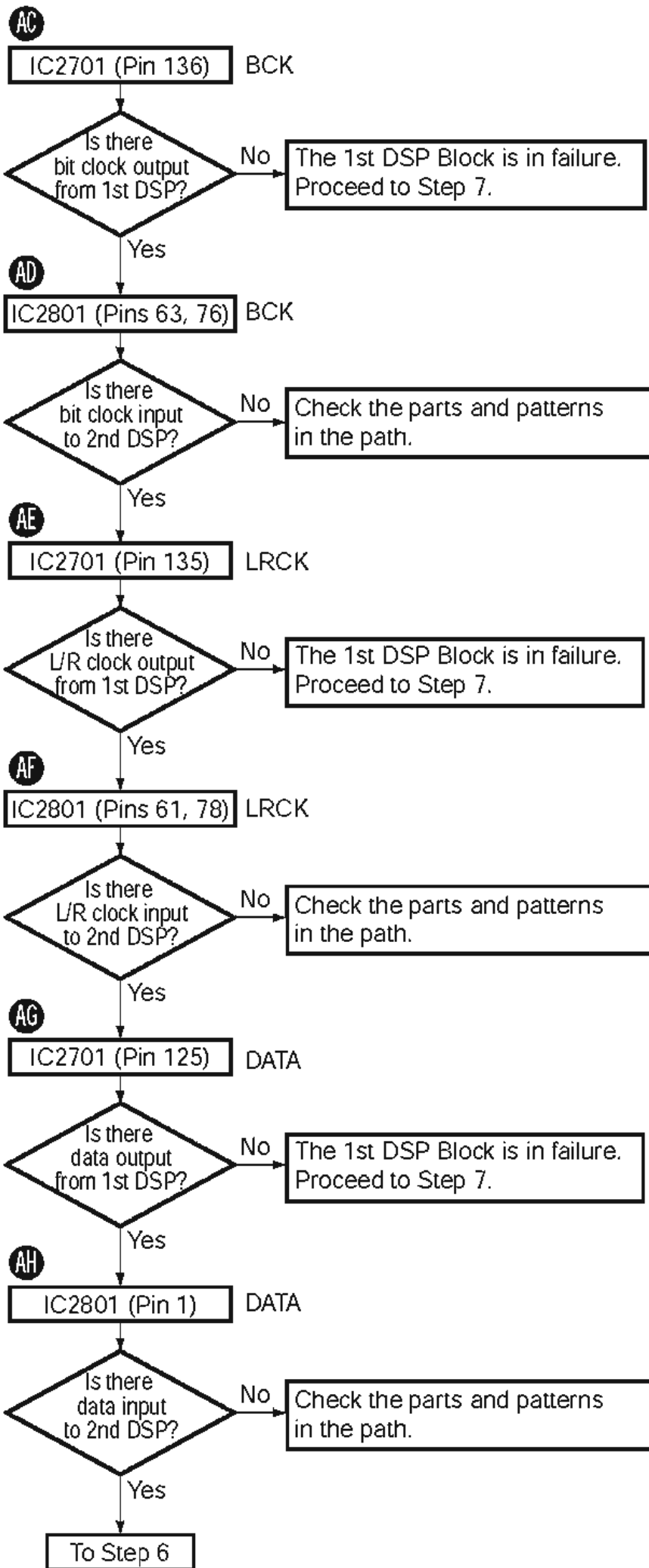
Step 3: Master Clock



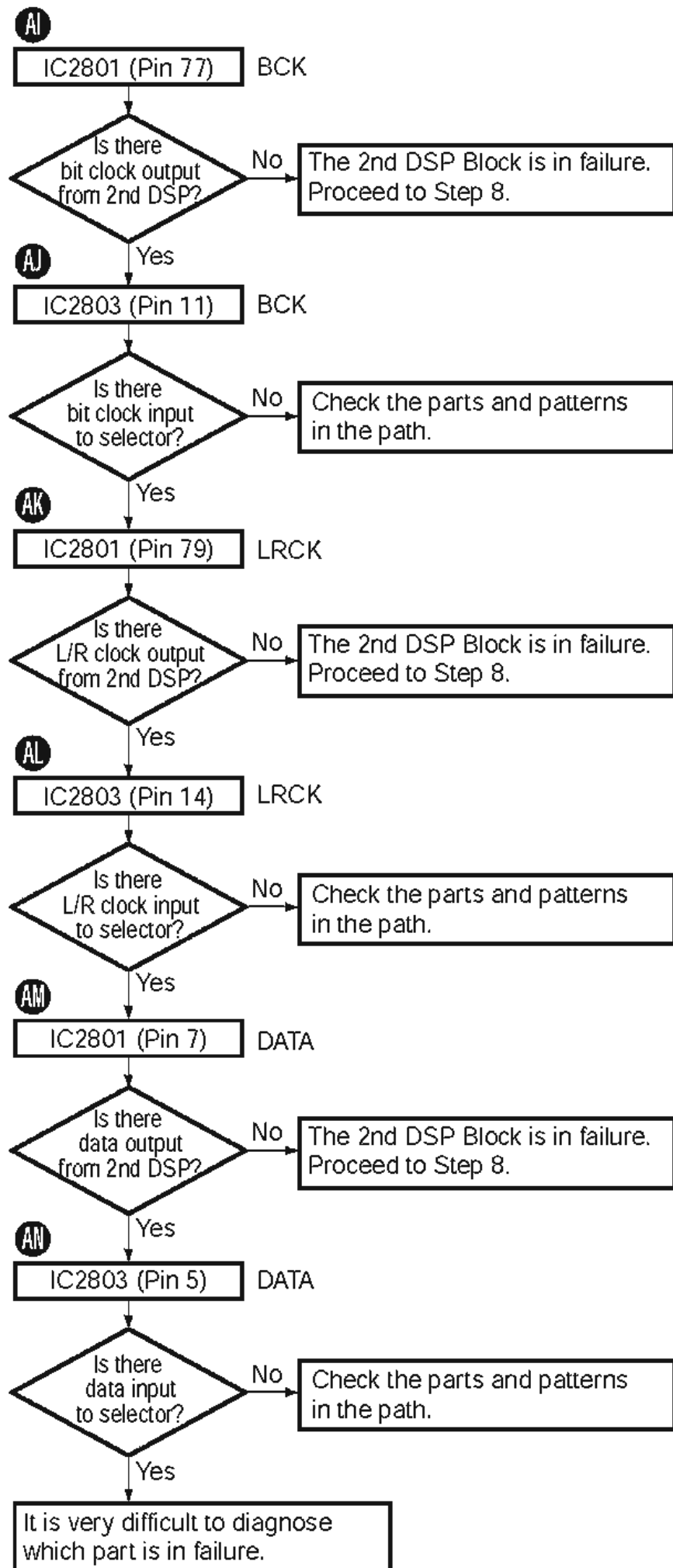
Step 4: Audio Signal



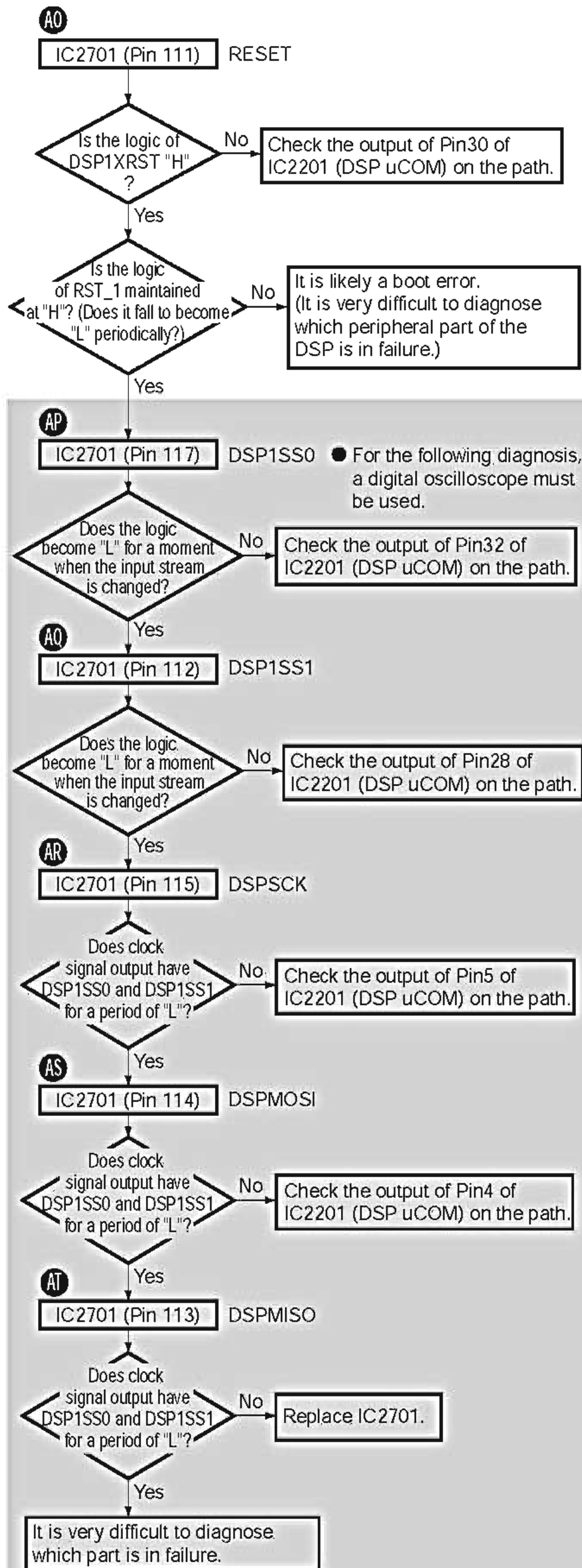
Step 5: Audio Signal



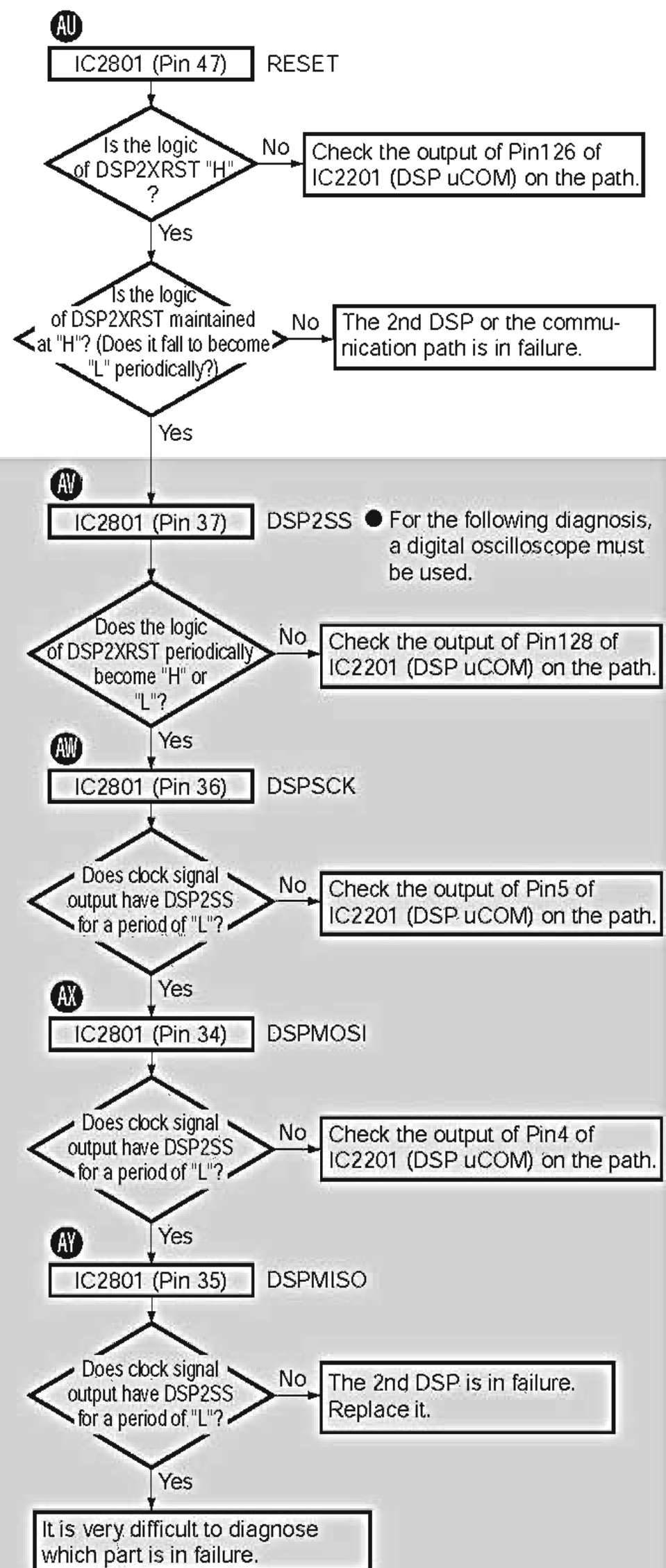
Step 6: Audio Signal



Step 7: 1st DSP



Step 8: 2nd DSP



B D-MOTHER ASSY SIDE A

[3] HDMI Troubleshooting

- The parts marked like **A2** in the following chart are located in "HDMI/NETWORK Assy Check Points".

Common section

Step 1: Connections

CN1001 - CN1003,
CN201, CN1701, CN601

All Connectors

Is soldering
and connections of
the connectors
OK?

No
Solder the connectors
correctly, insert the
connectors securely.

Step 2-1: Power supply, CLK

CN1001(Pin 4)

UNReg INPUT

V+12HDMI

Is the voltage
15.5 V?

No
Diagnosis the INTERFACE Assy.

R1057

6 V

V+6HD

Is the voltage
6 V?

No
Check the soldering of IC1051 and
the peripheries of IC1051.
If soldering has not been done
correctly, replace IC1051.

R1082

5 V

V+5DHD

Is the voltage
5 V?

No
Check the soldering of IC1082 and
the peripheries of IC1082.
If soldering has not been done
correctly, replace IC1082.

R1073

5 V

V+5AHD

Is the voltage
5 V?

No
Check the soldering of IC1071 and
the peripheries of IC1071.
If soldering has not been done
correctly, replace IC1071.

R1029

3.3 V

V+3R3HD

Is the voltage
3.3 V?

No
Check the soldering of IC1021 and
the peripheries of IC1021.
If soldering has not been done
correctly, replace IC1021.

R1030

1.8 V

V+1R8HD

Is the voltage
1.8 V?

No
Check the soldering of IC1021 and
the peripheries of IC1021.
If soldering has not been done
correctly, replace IC1021.

L1901

2.5 V

V+2R5DDR_EM

Is the voltage
2.5 V?

No
Check the soldering of IC1902 and
the peripheries of IC1902.
If soldering has not been done
correctly, replace IC1902.

L1702

1.5 V

V+1R5D

Is the voltage
1.5 V?

No
Check the soldering of IC1702 and
the peripheries of IC1702.
If soldering has not been done
correctly, replace IC1702.

R1905

1.25 V

A1

Is the voltage
1.25 V?

No
Check the soldering of IC1903 and
the peripheries of IC1903.
If soldering has not been done
correctly, replace IC1903.

X501

X'TAL (microcomputer)

B1

Is oscillation
of 15.7 MHz
?

No
Check the soldering of X501 or
IC501. If soldering has not been
done correctly, replace X501 or
IC501.

Step 2-2: Reset

CN1003(Pin 4)

HDRST

B2

Is the voltage
"H" (3.3 V)?

No
Check the parts and patterns in
the path.

No
Diagnosis the INTERFACE Assy
or D-MOTHER Assy.

HDMI (HDMI input)
diagnosis : To Step 3-1

Scaler diagnosis :
To Step 5-1

Video converter (Analog input)
diagnosis : To Step 4-1

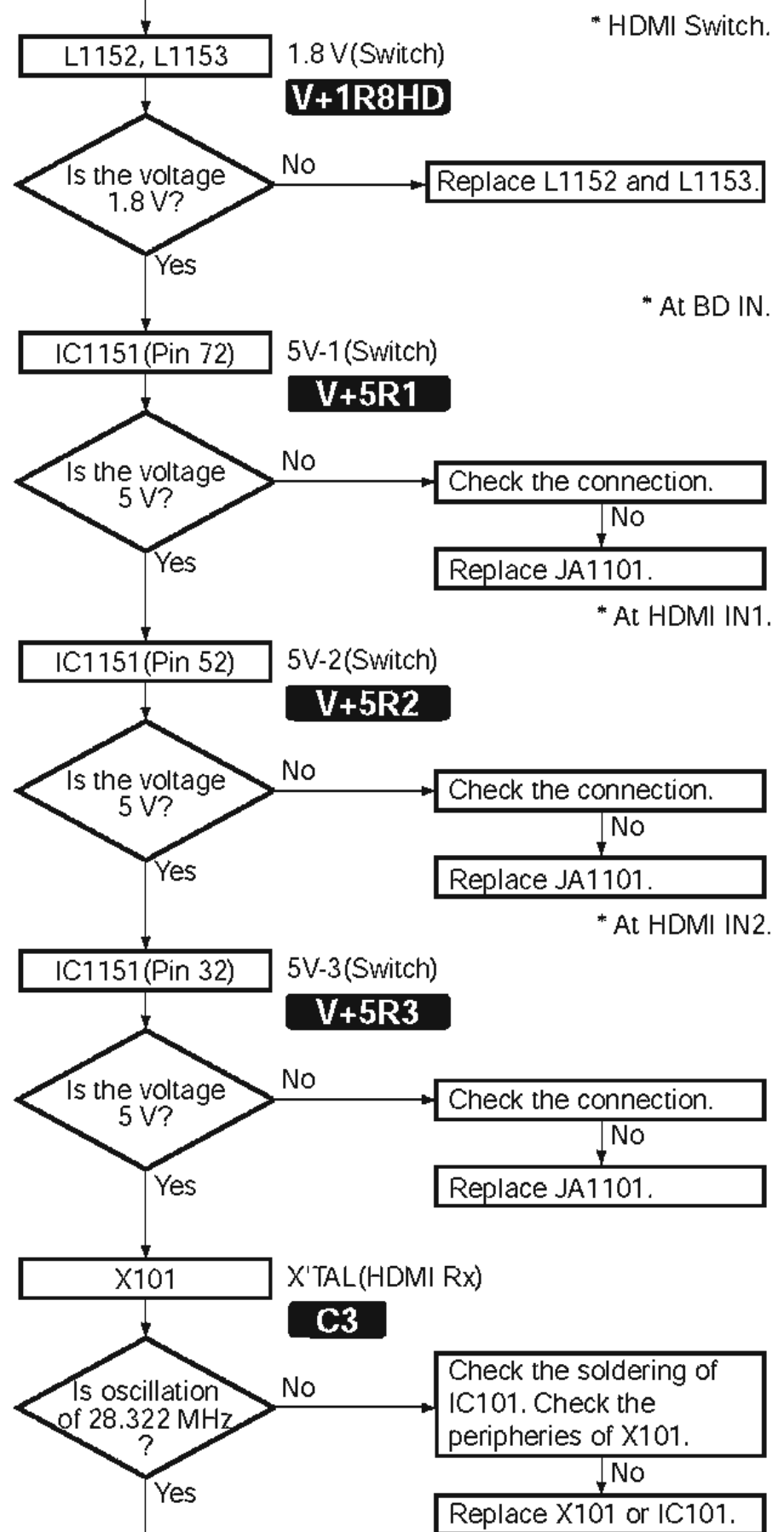
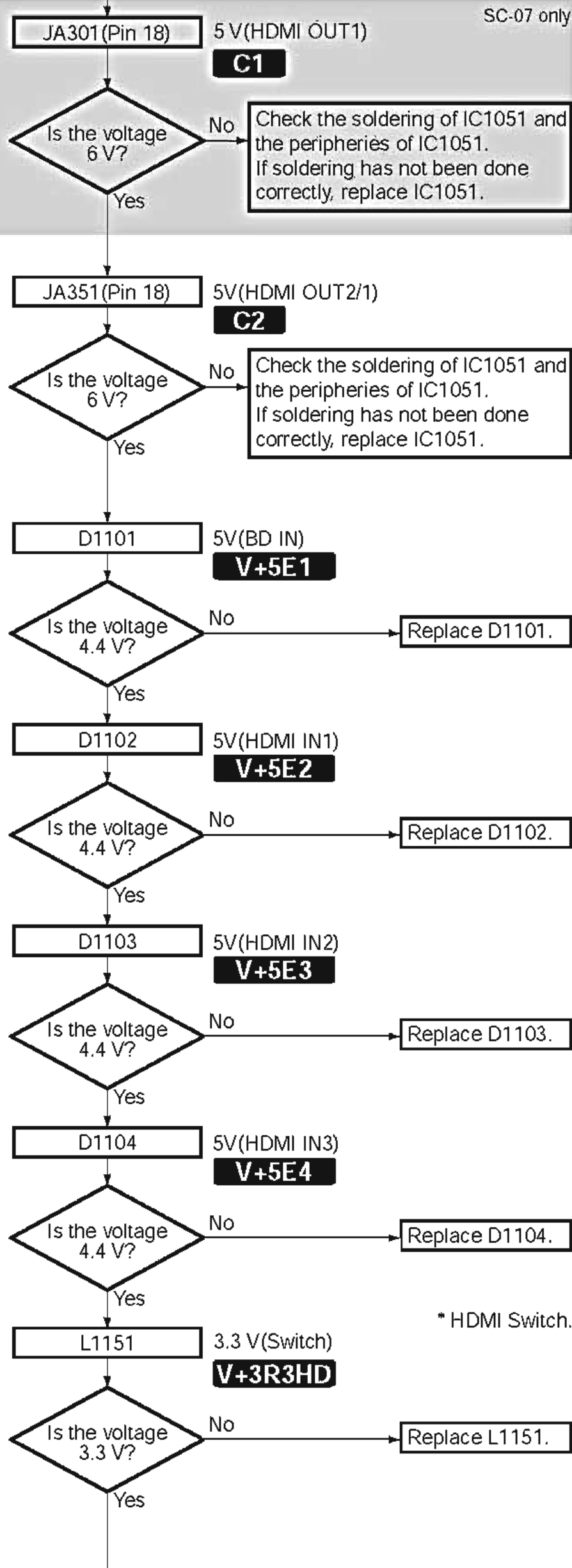
Scaler diagnosis :
To Step 5-1

GUI(EMMA) diagnosis :
To Step 6-1

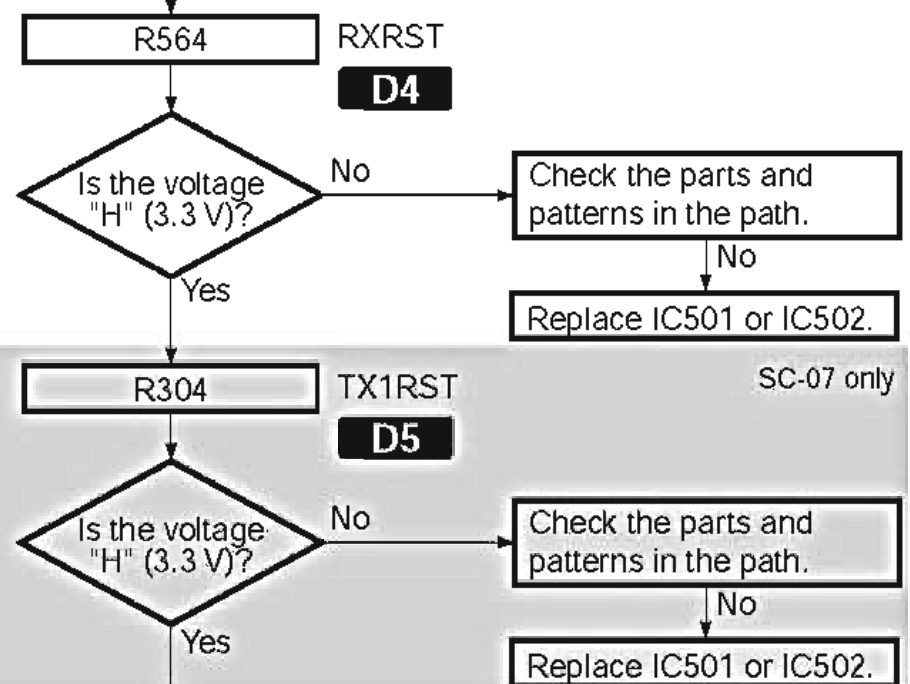
Scaler diagnosis :
To Step 5-1

HDMI section

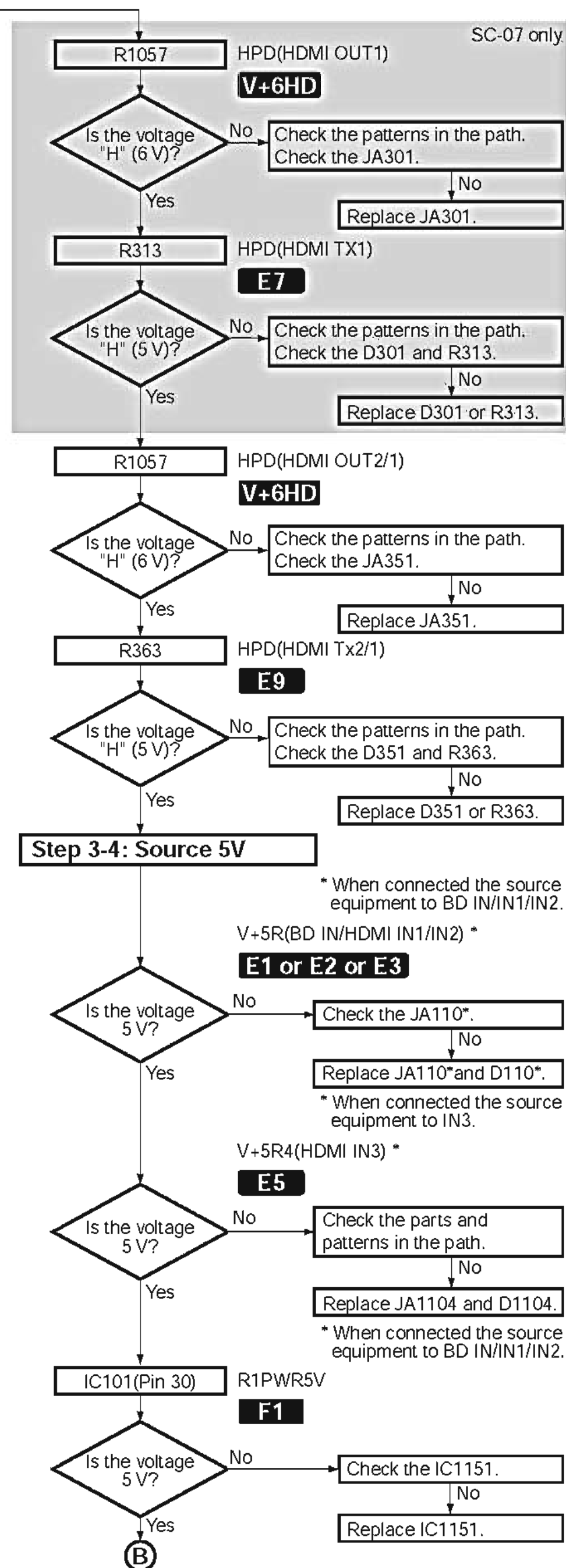
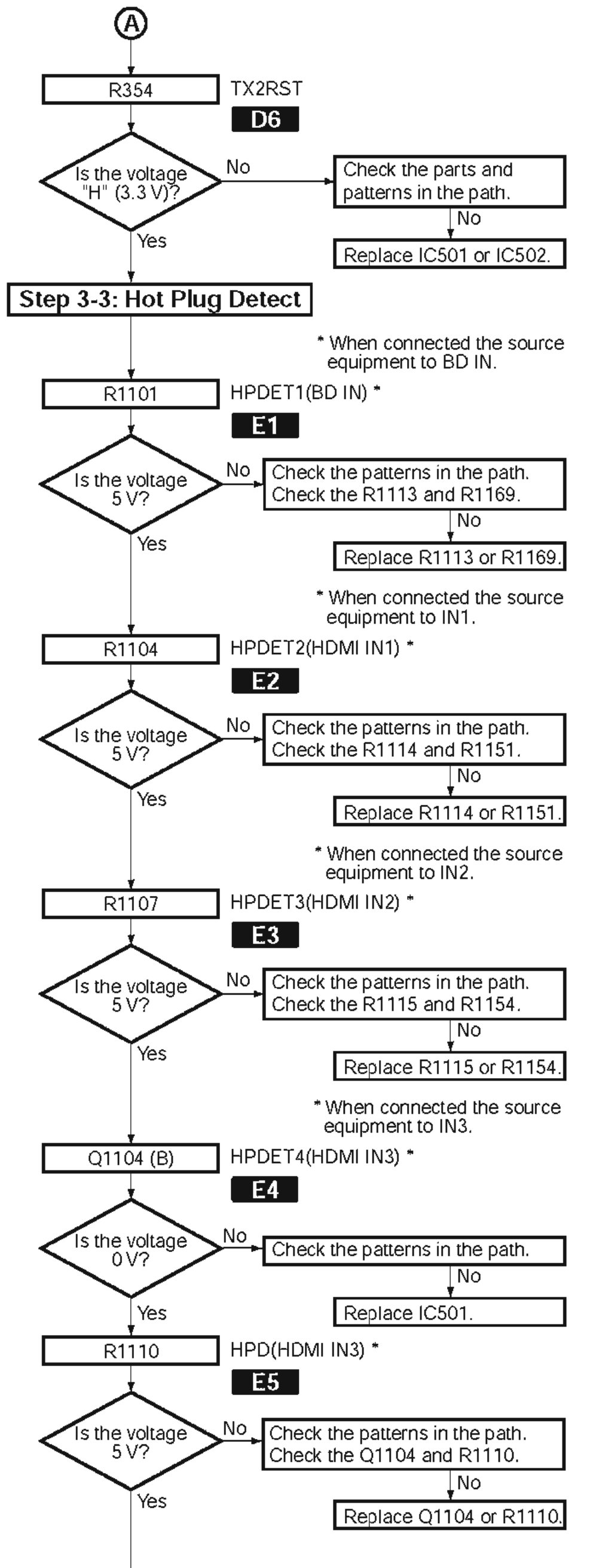
Step 3-1: Power supply, CLK

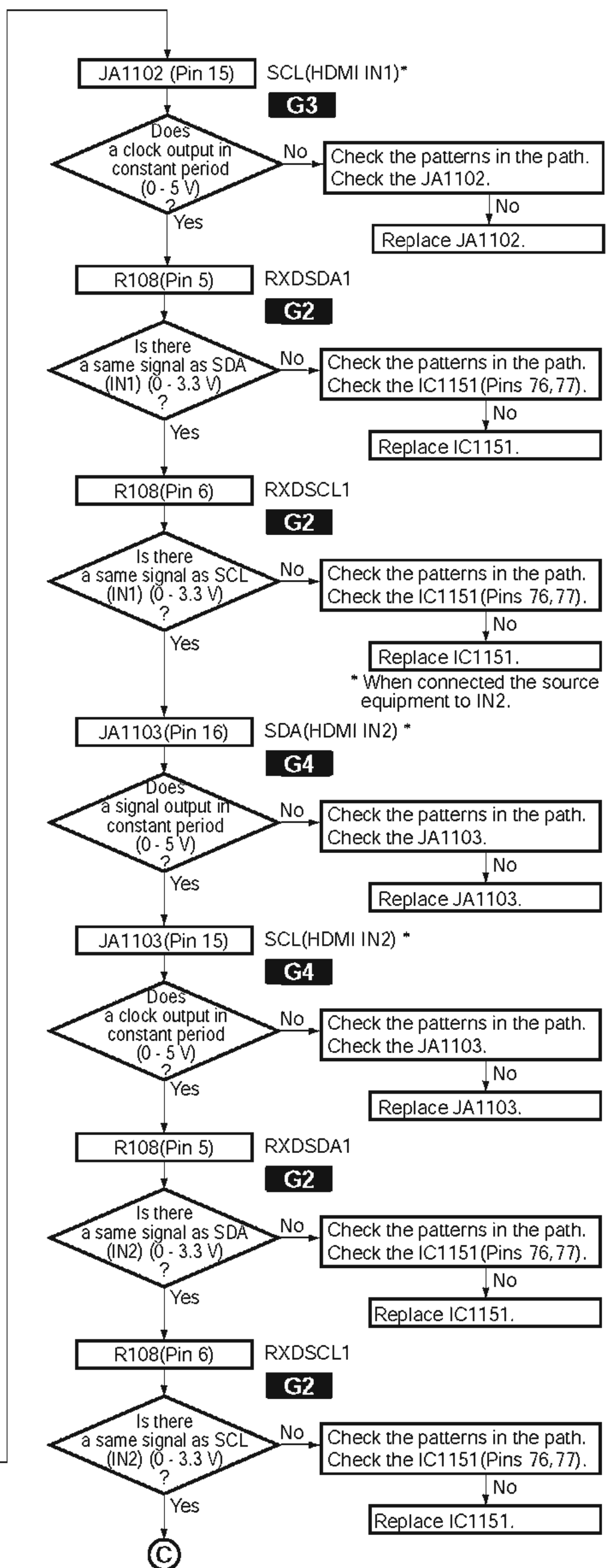
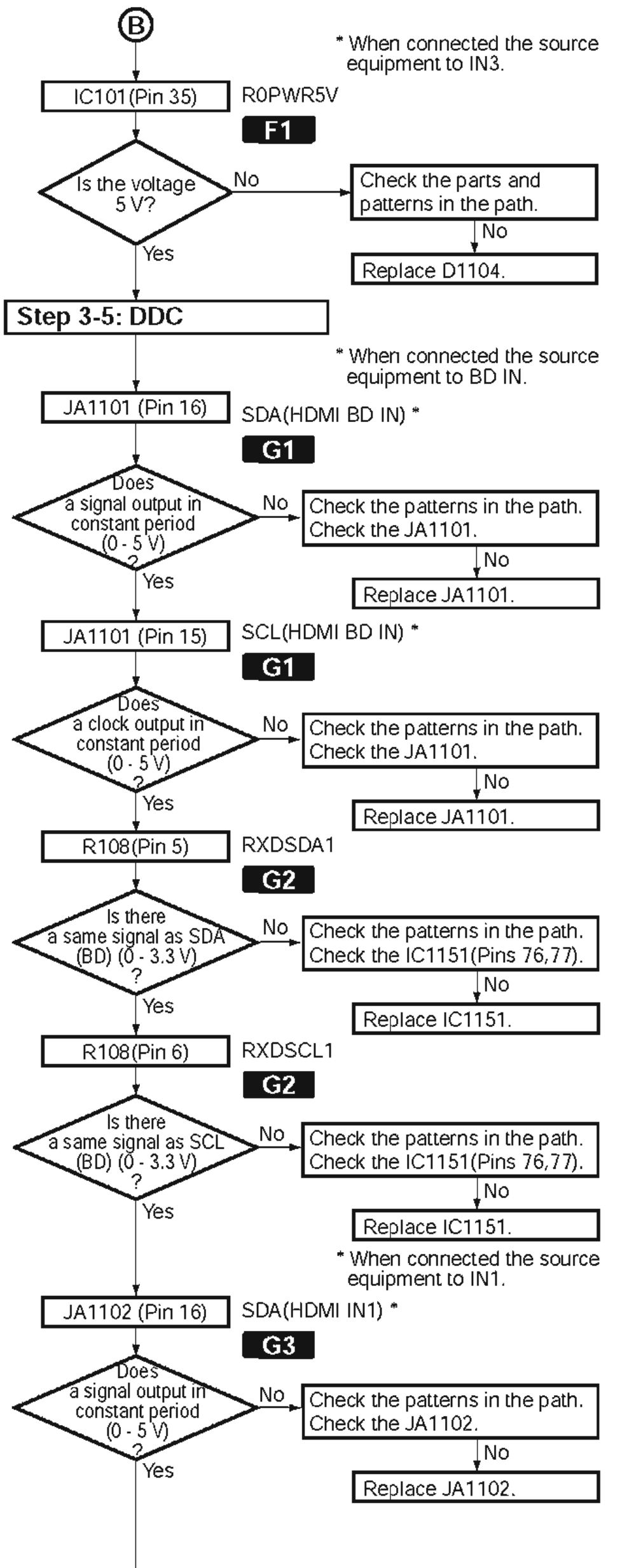


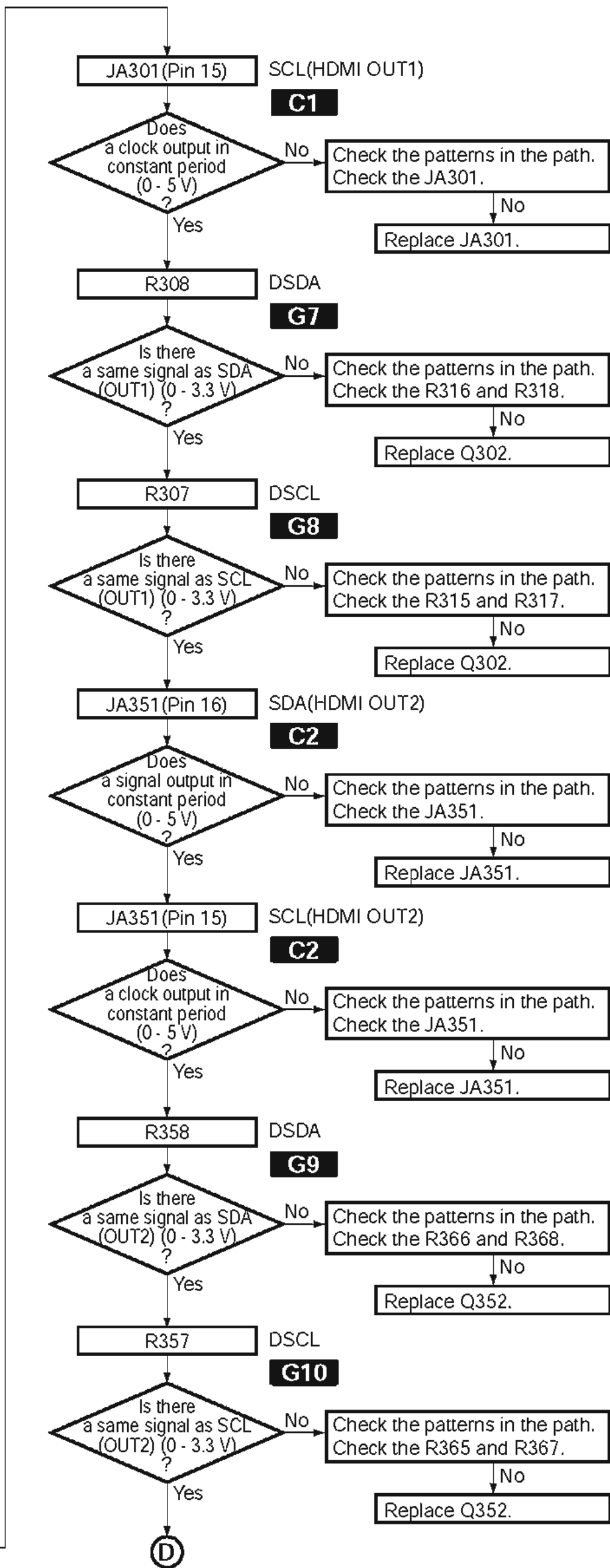
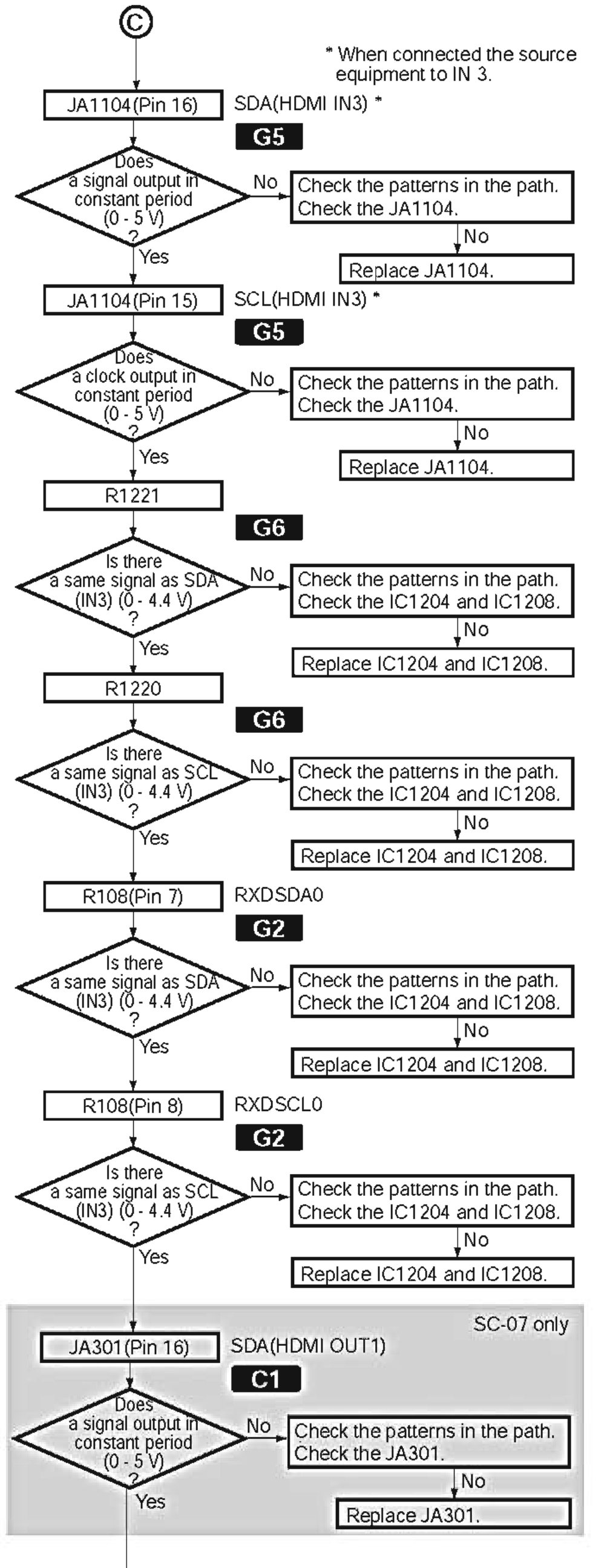
Step 3-2 : Reset



(A)

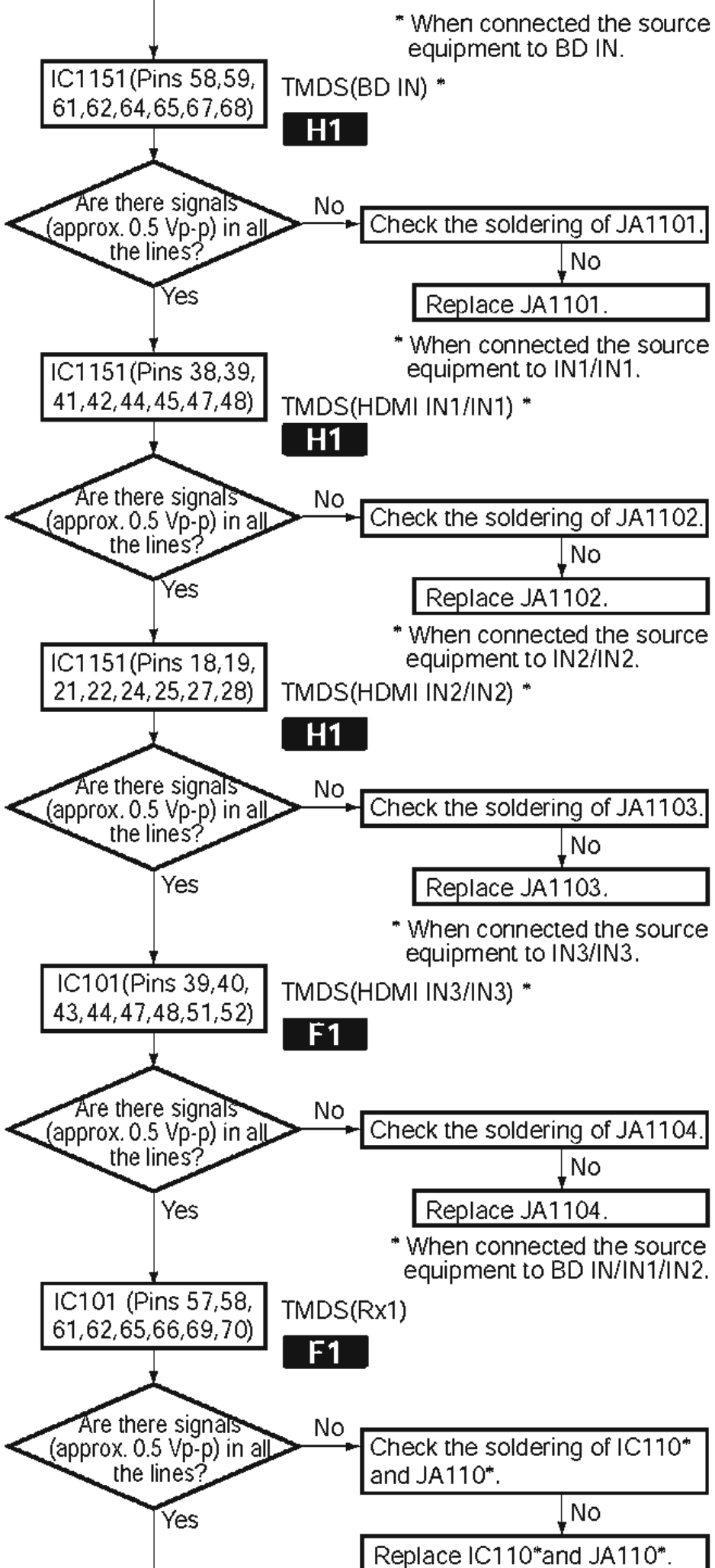




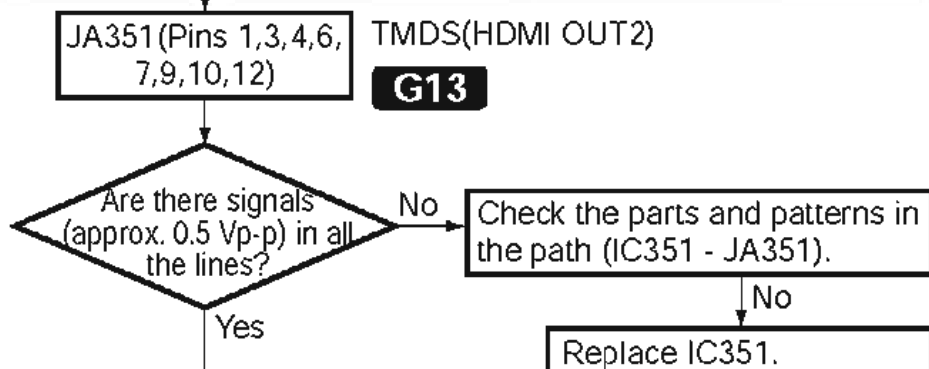
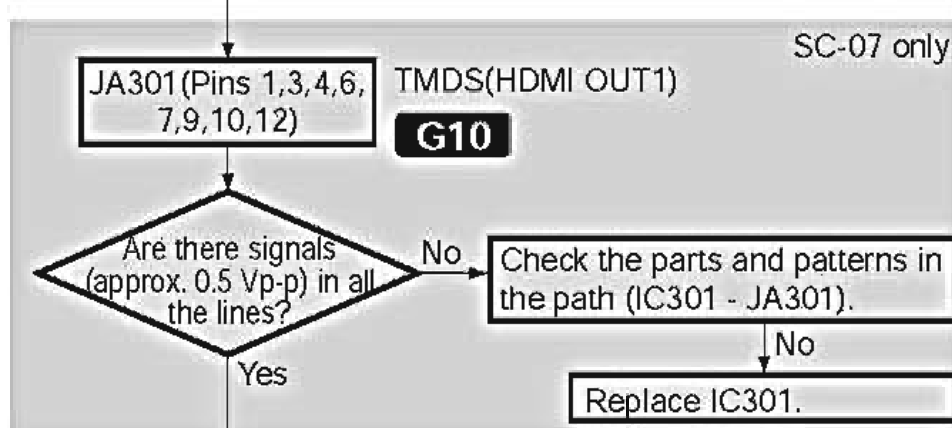


①

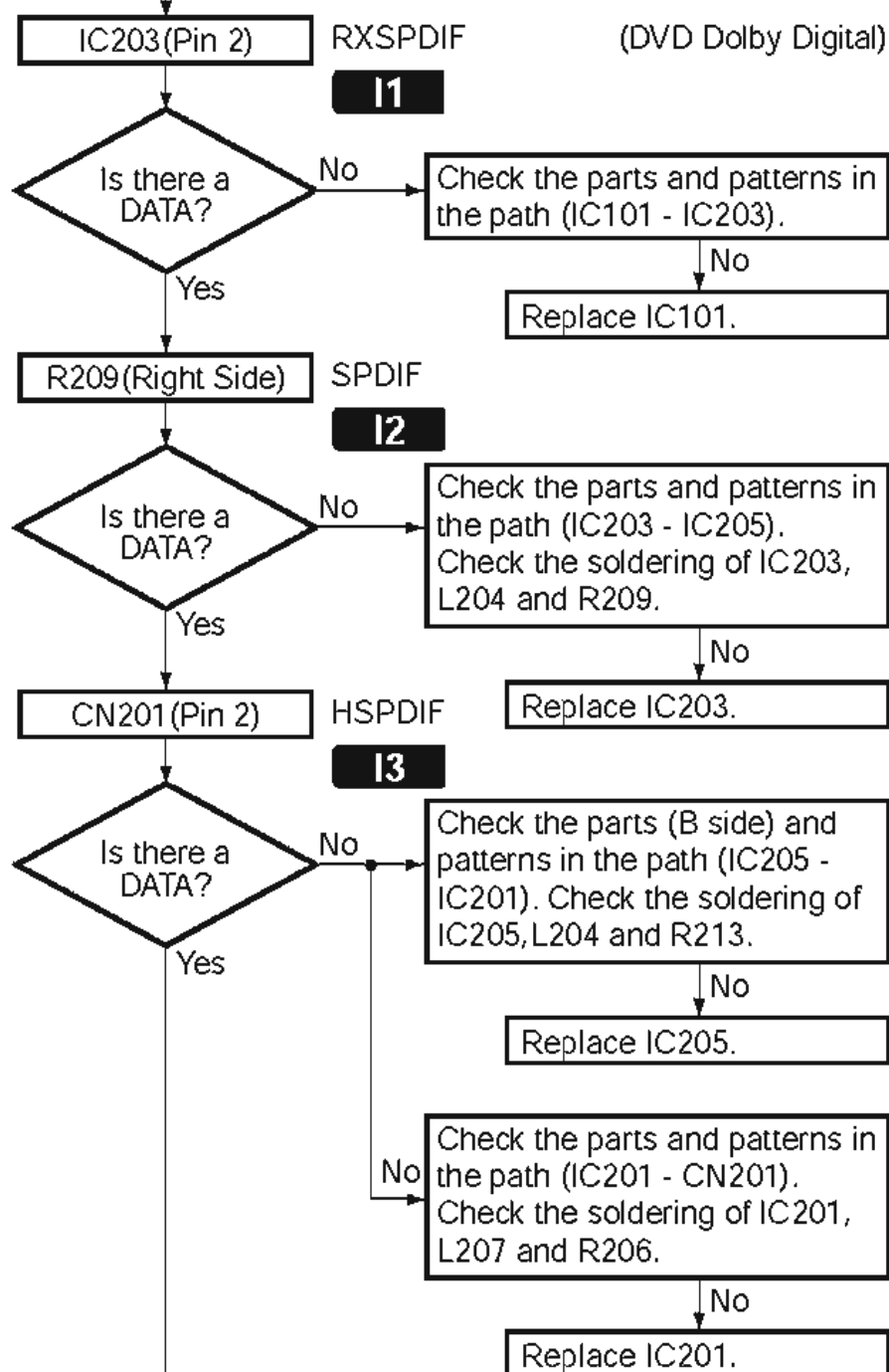
Step 3-6: TMD5(INPUT)



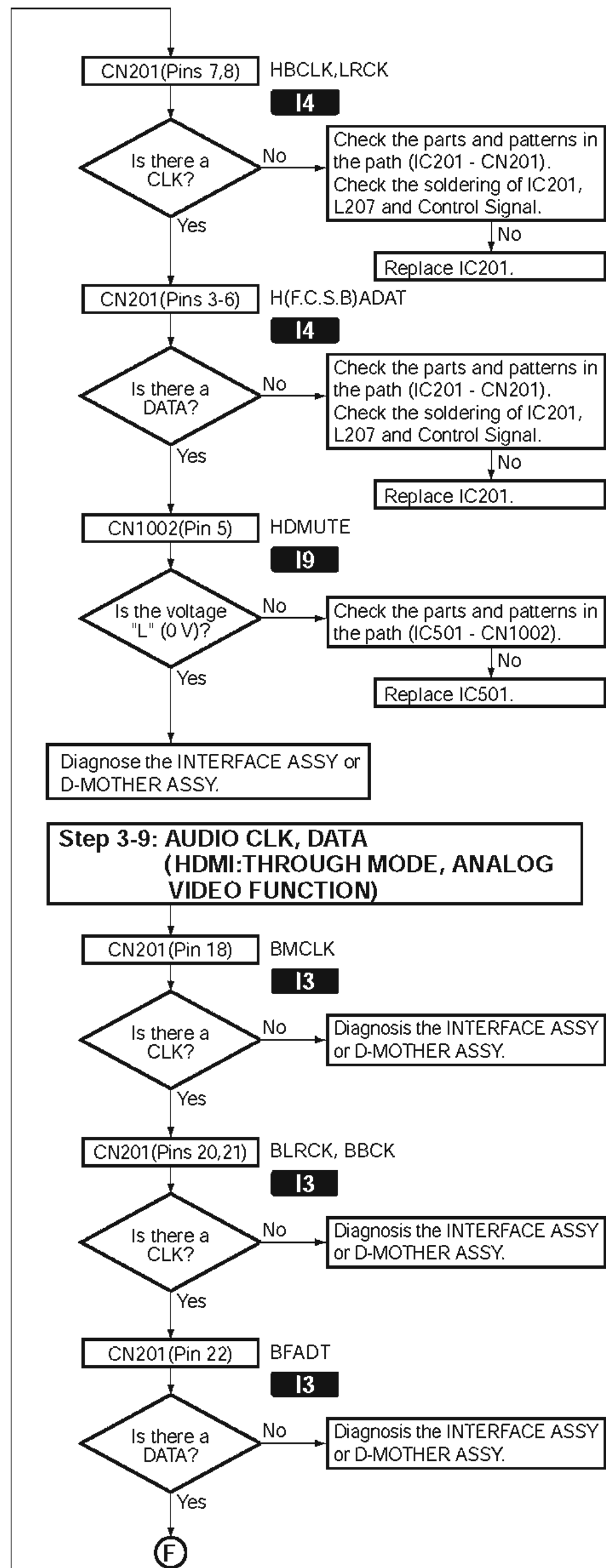
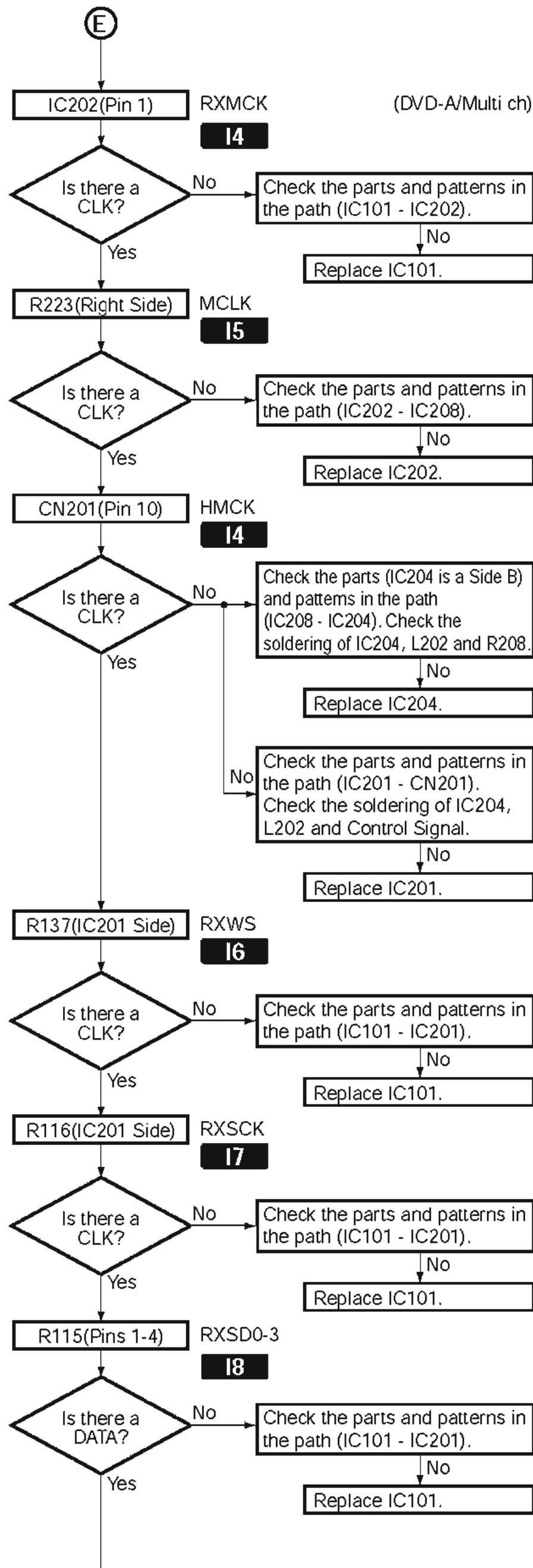
Step 3-7: TMD5(OUTPUT)

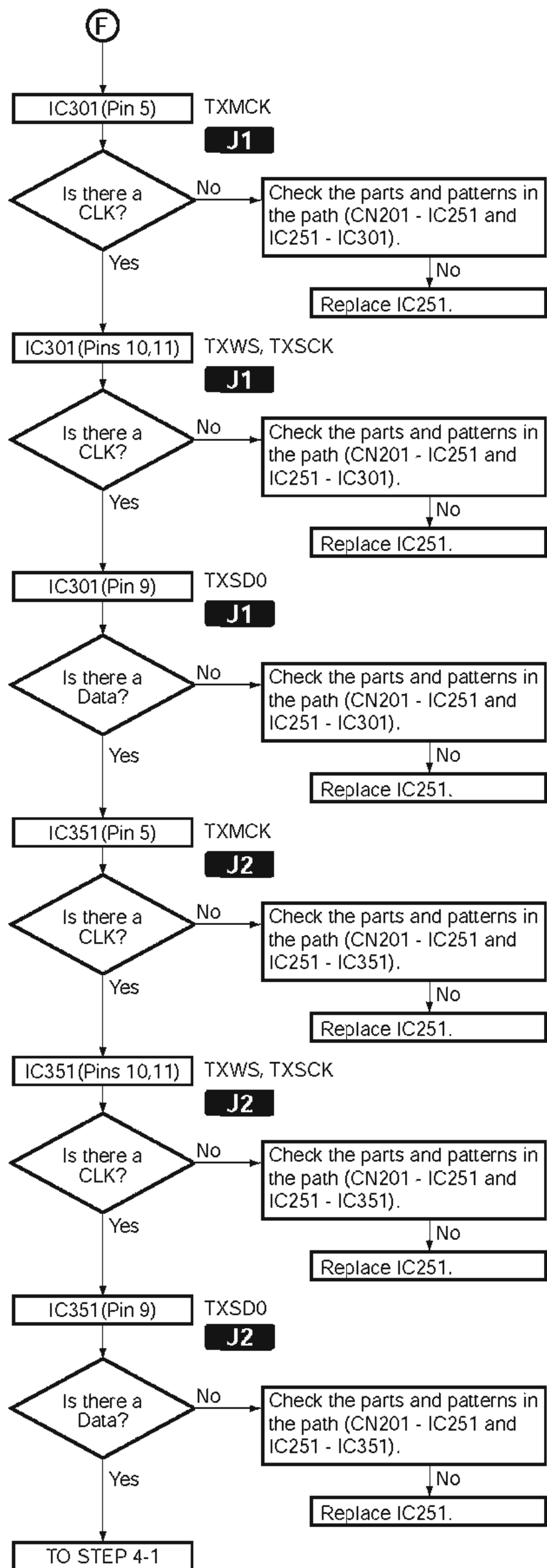


Step 3-8: AUDIO CLK, DATA (HDMI: AMP MODE)



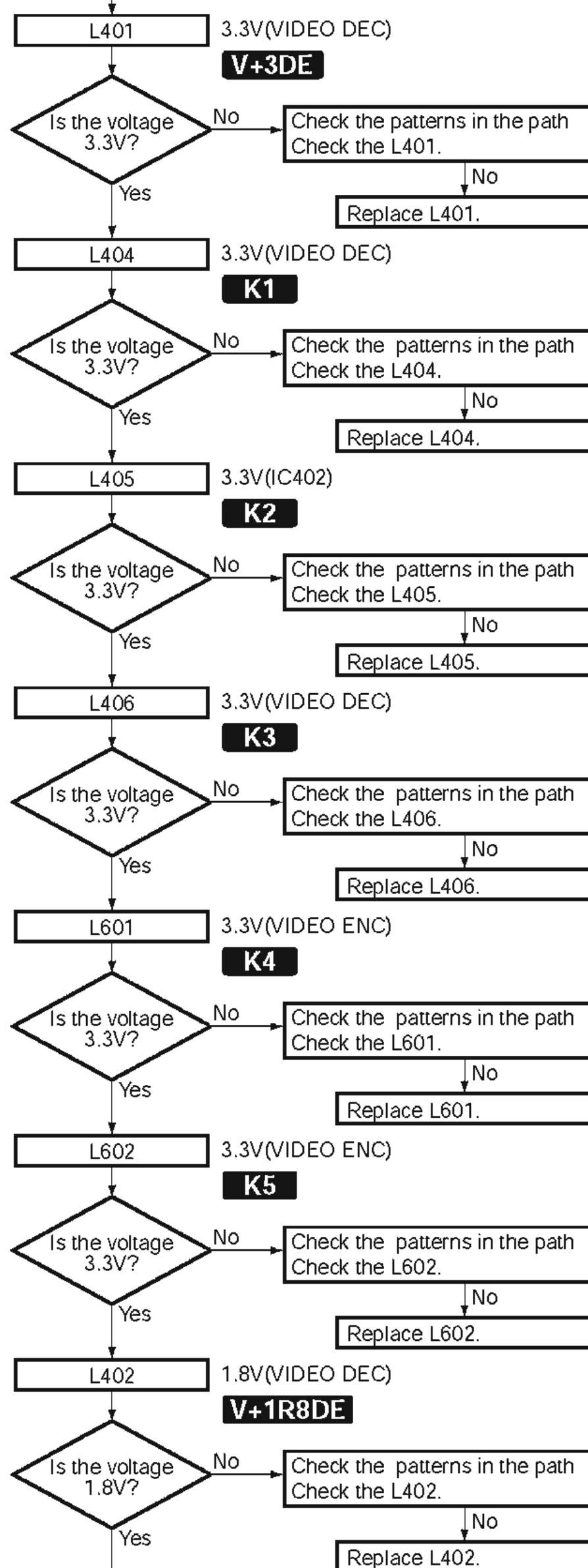
②



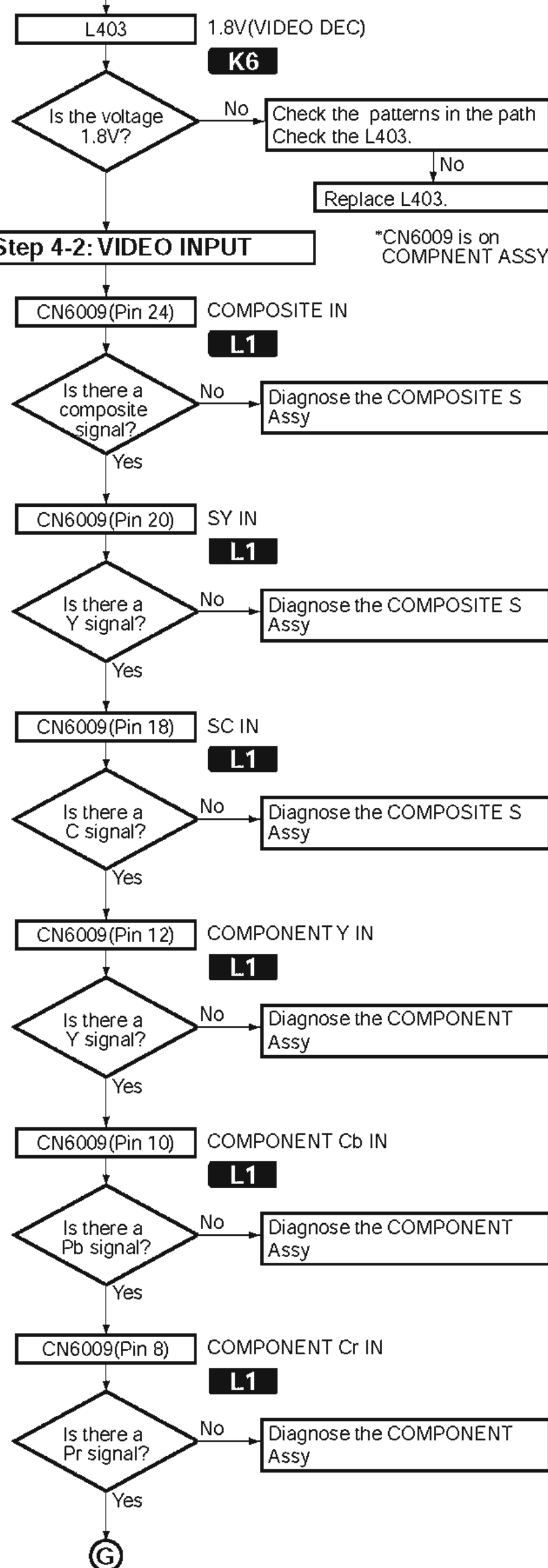


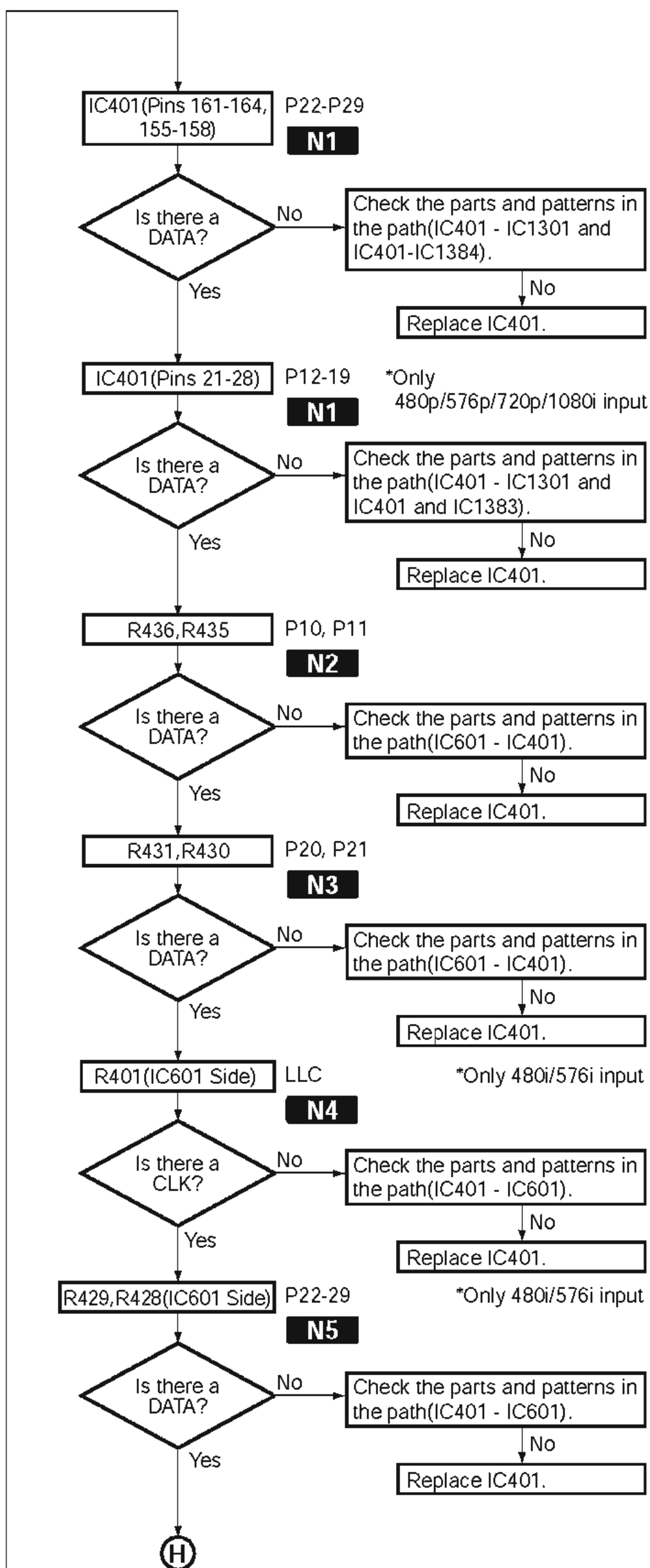
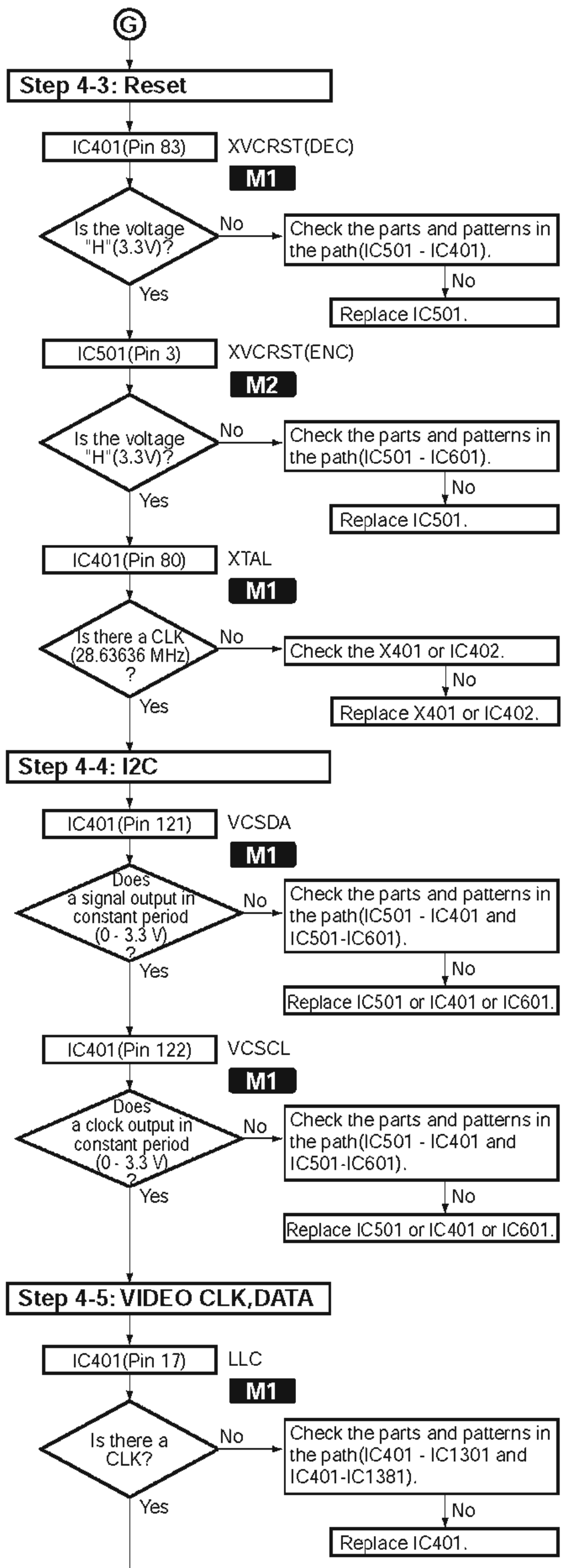
Video converter section

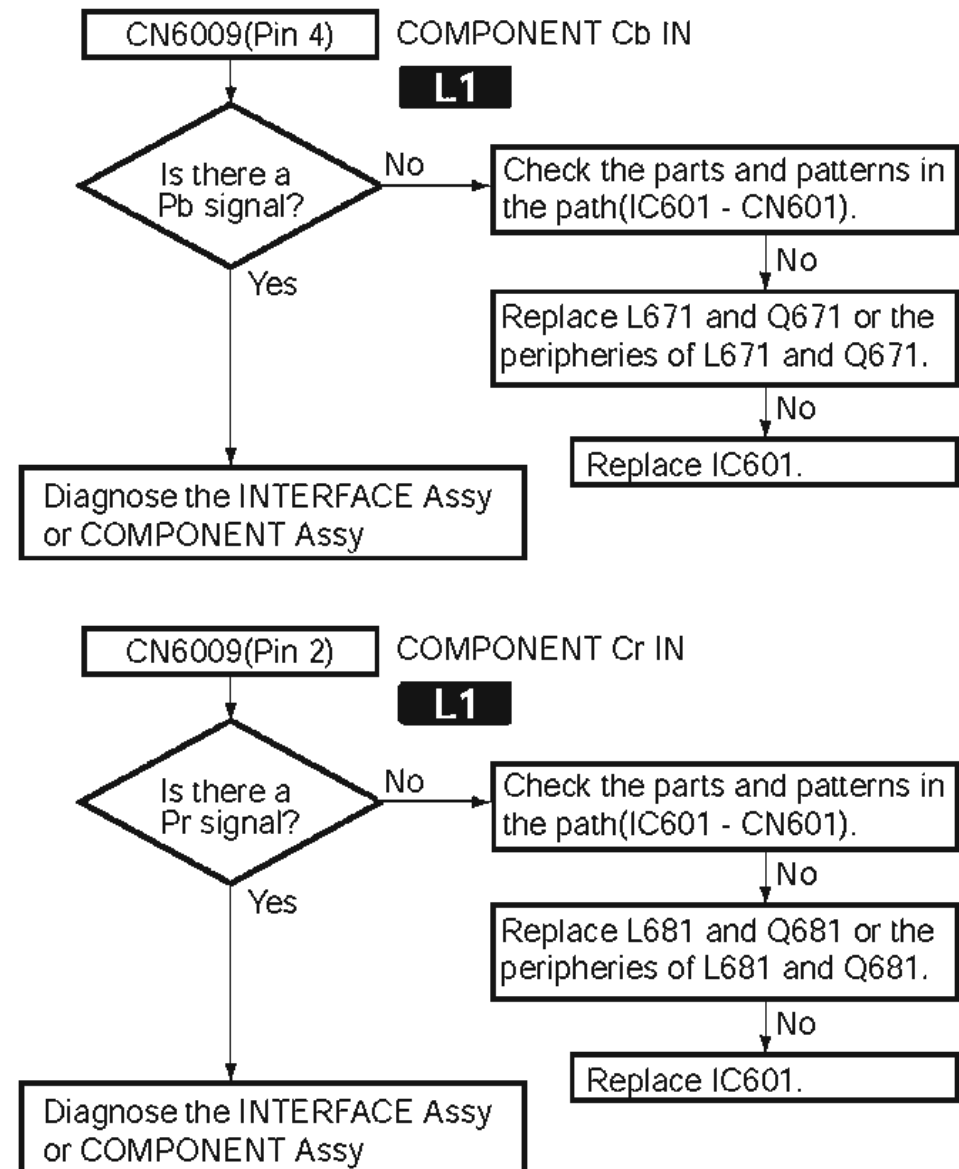
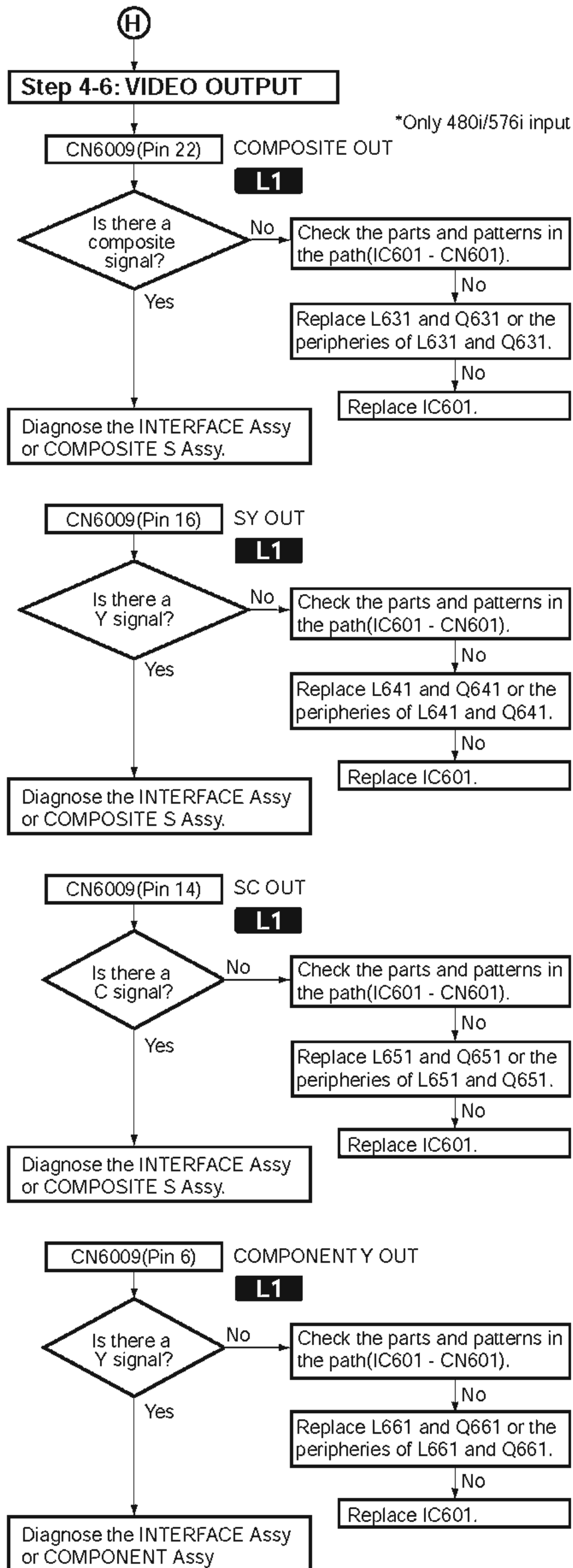
Step 4-1: Power supply



Step 4-2: VIDEO INPUT

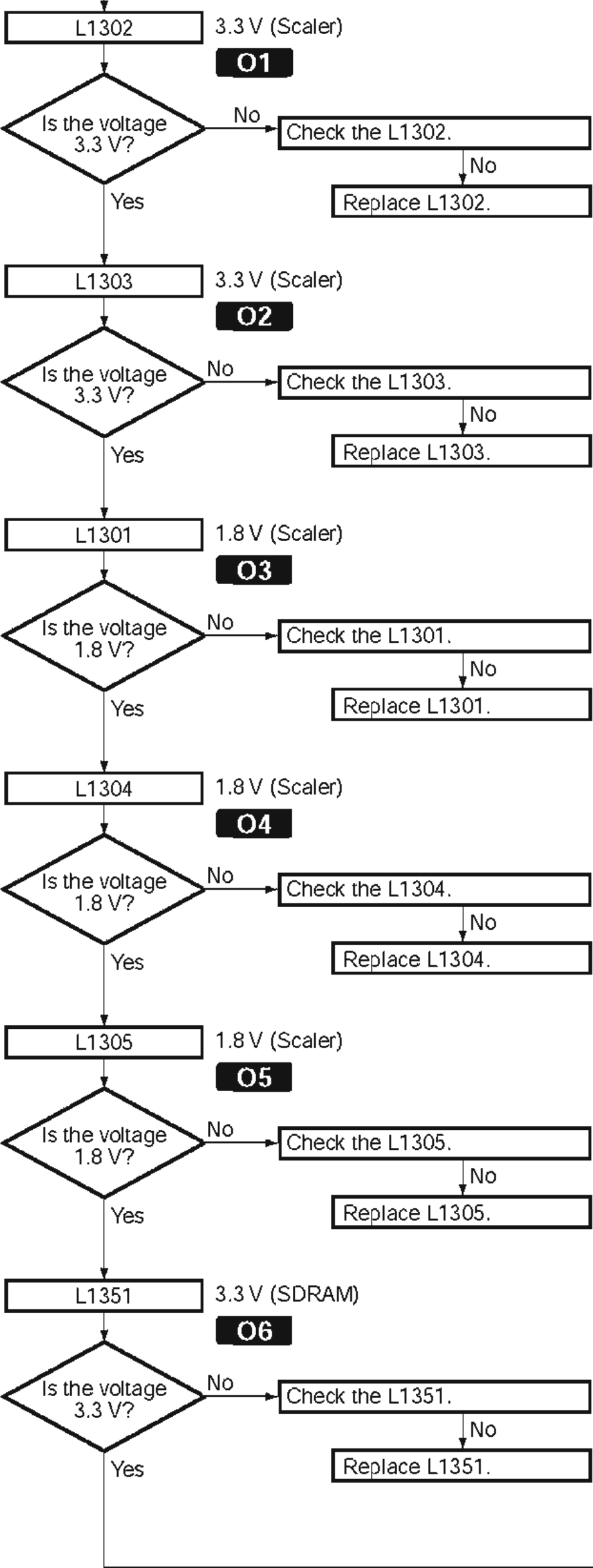




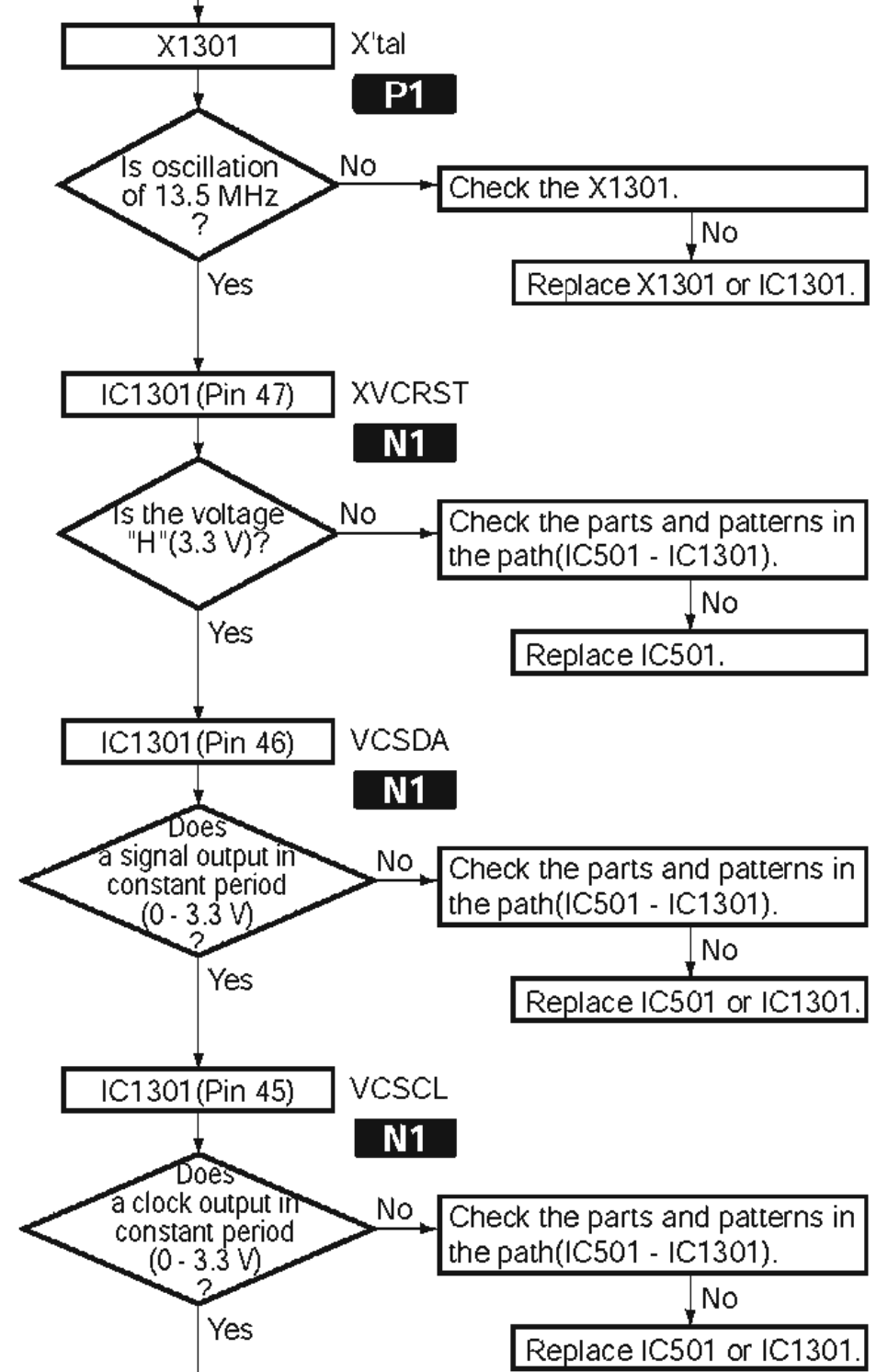


Scaler section

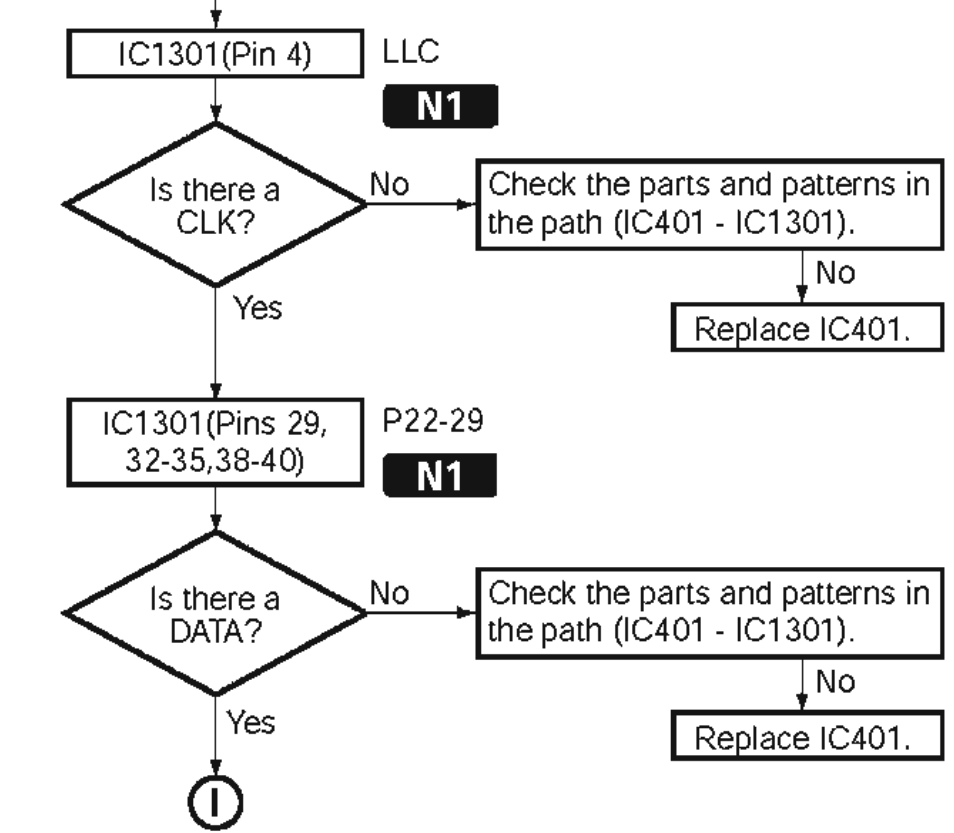
Step 5-1: Power supply

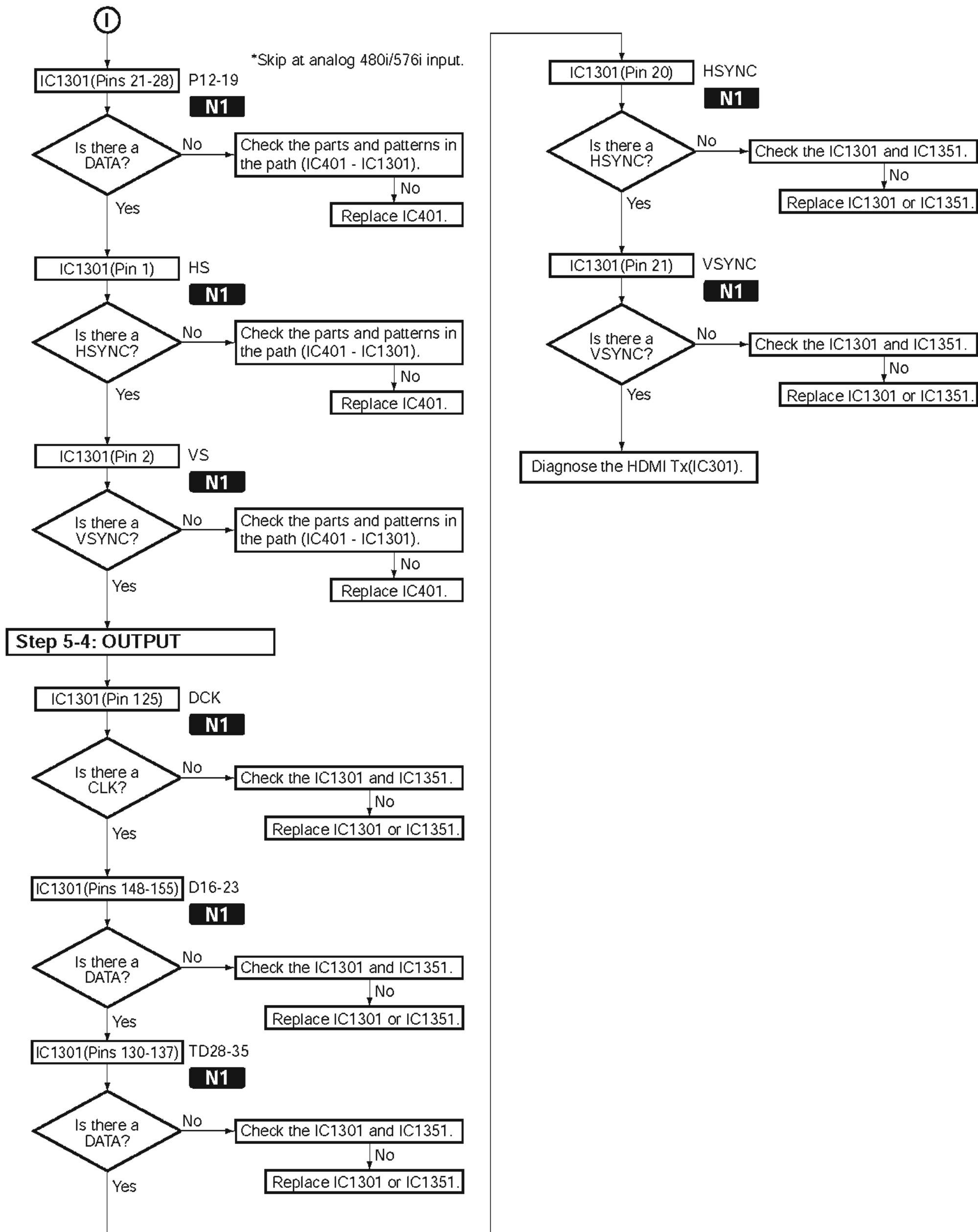


Step 5-2: X'tal, Reset



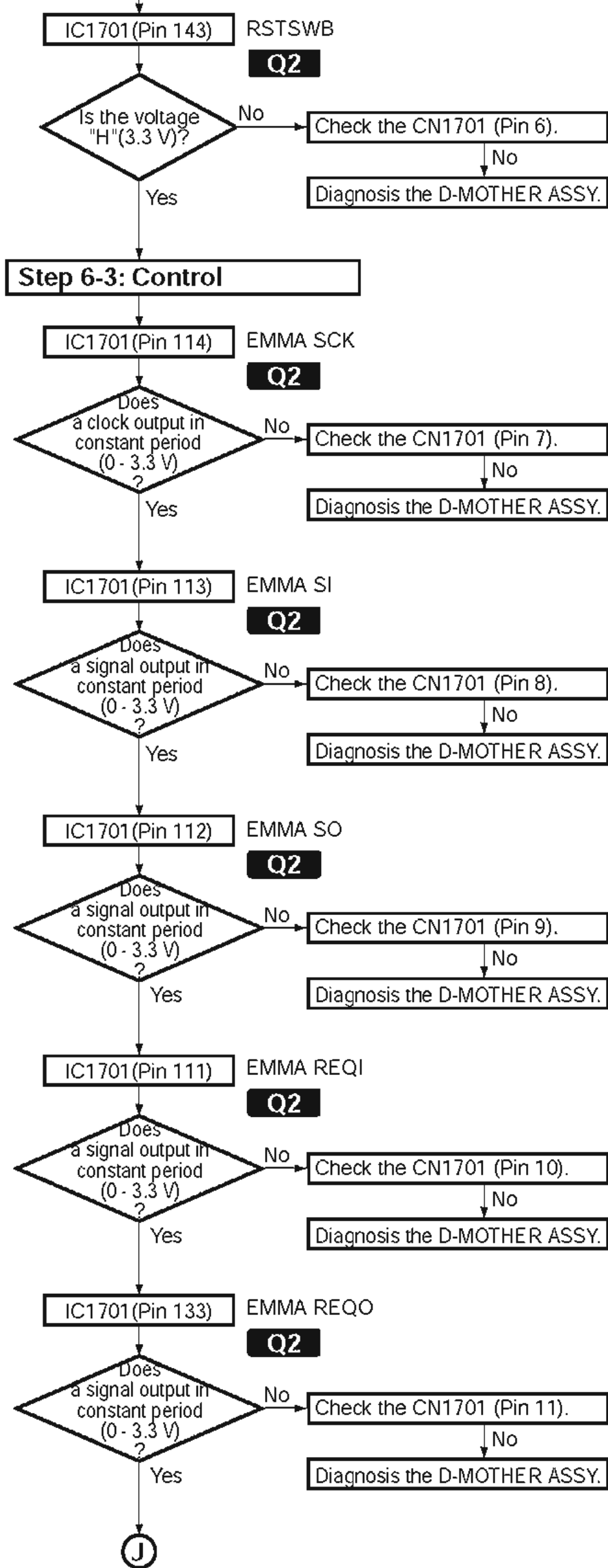
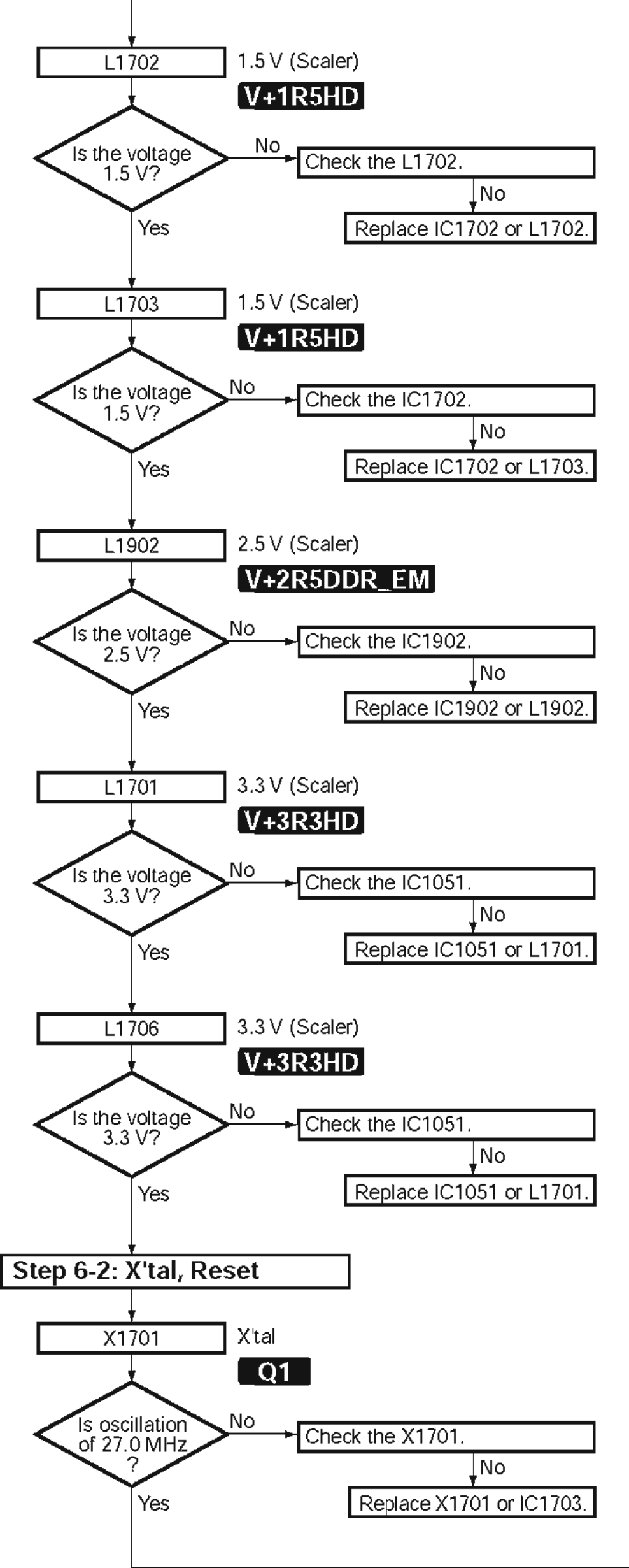
Step 5-3: INPUT

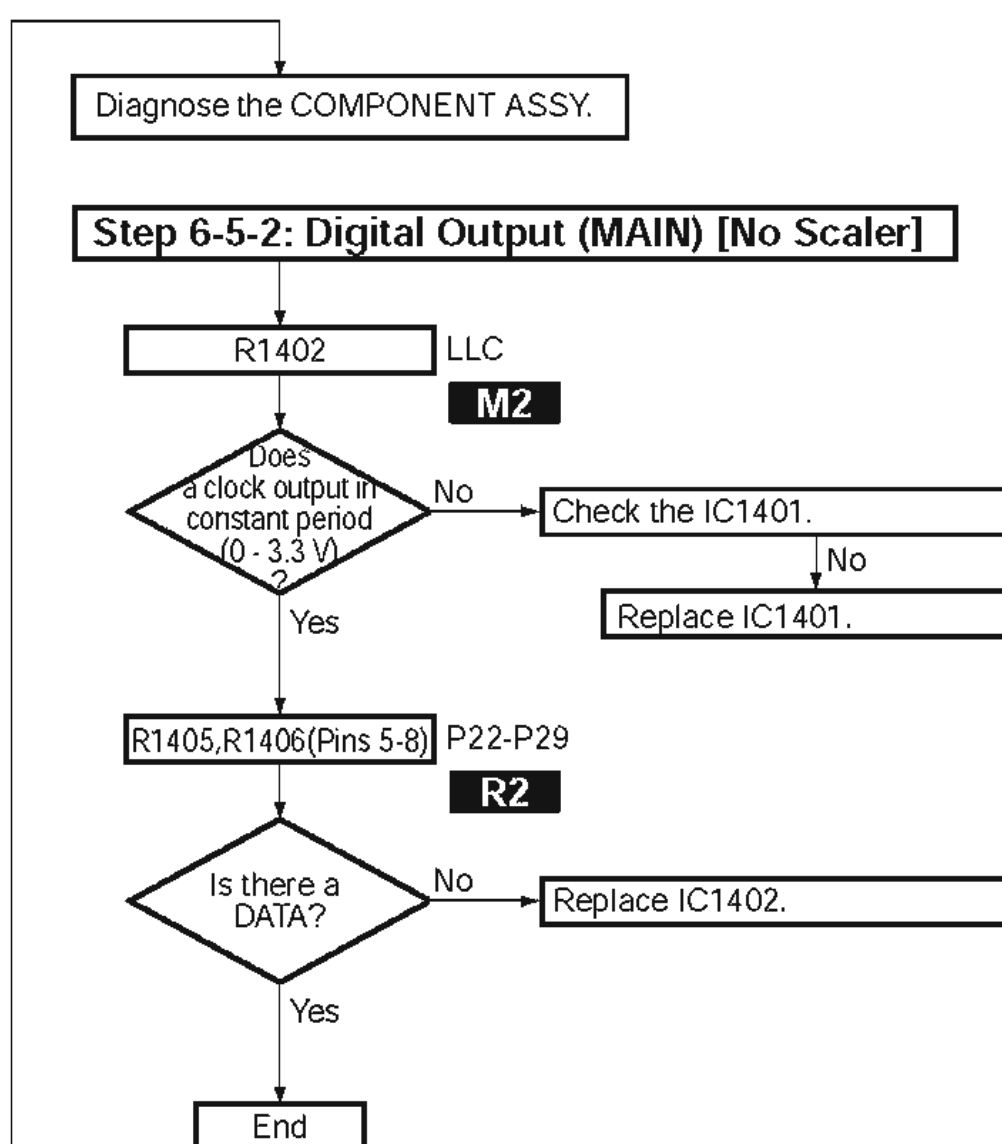
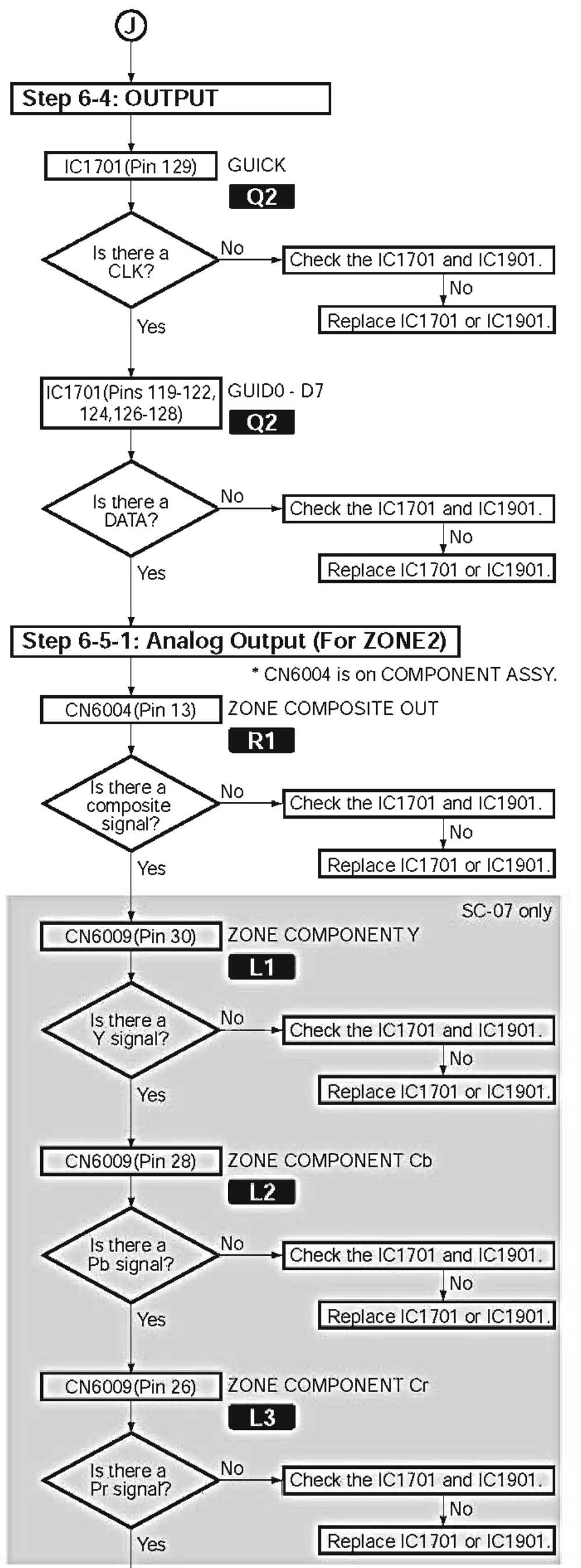




GUI(EMMA) section

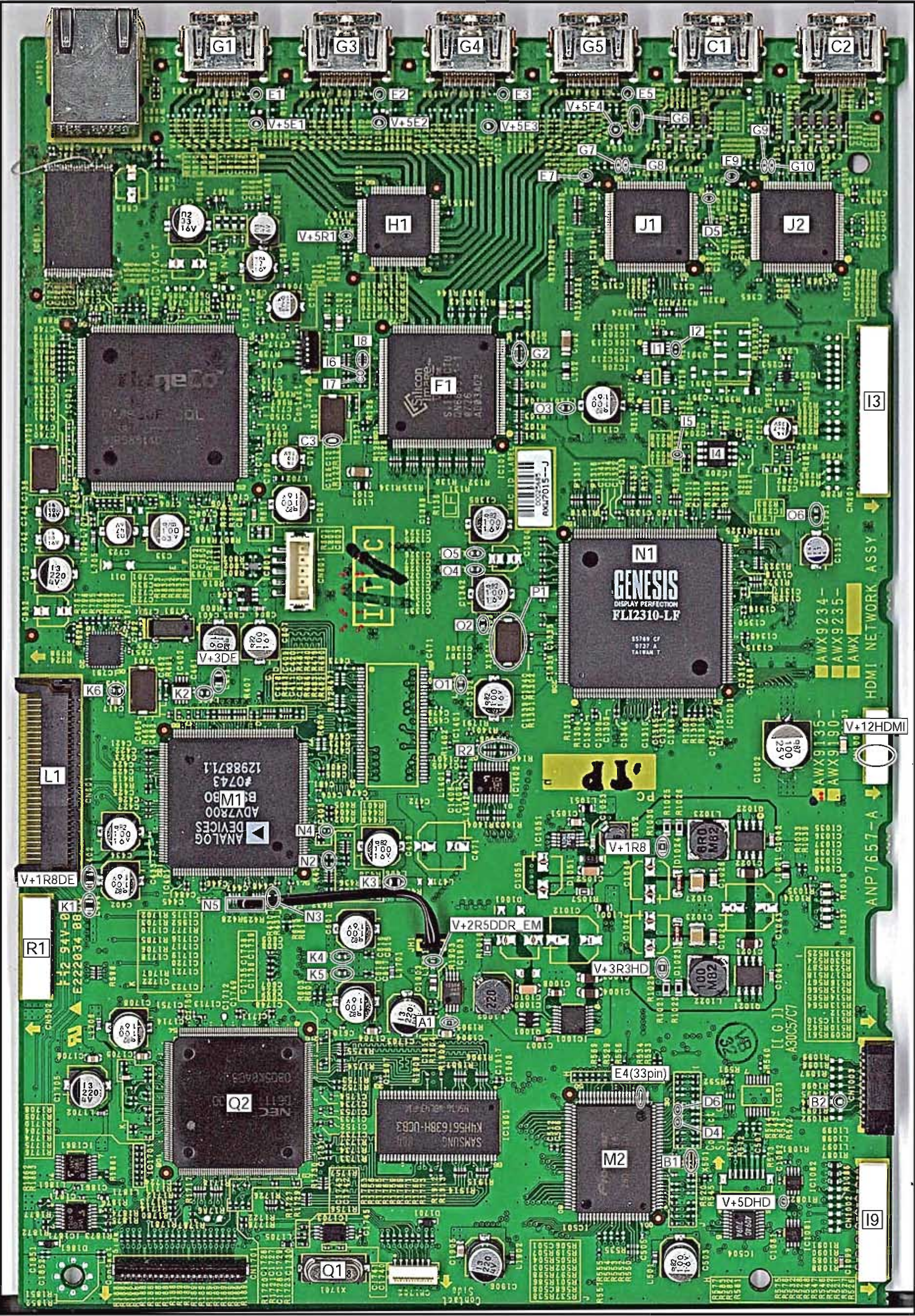
Step 6-1: Power supply

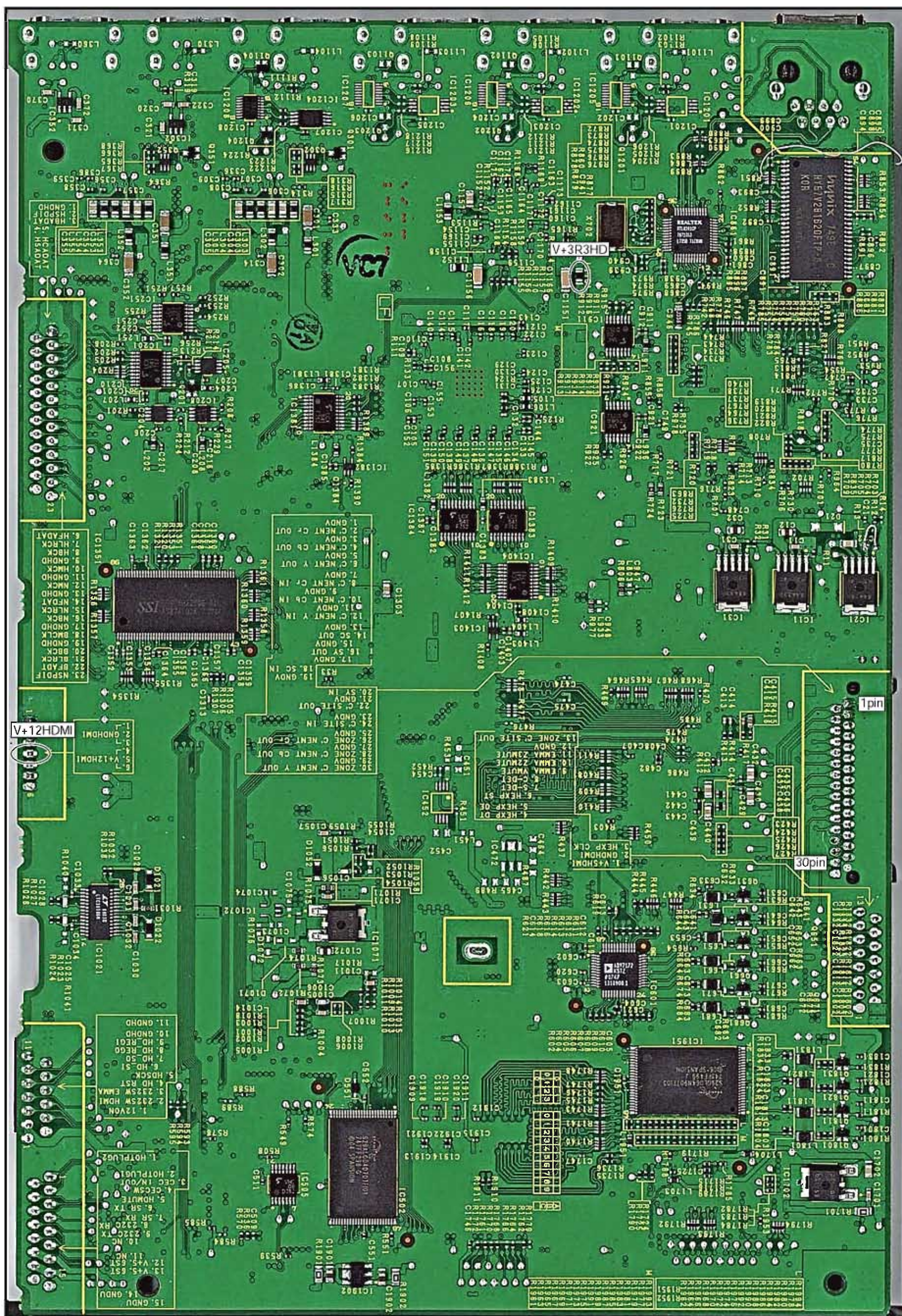




E HDMI NETWORK ASSY

SIDE A





[4] Diagnosis of The Network Block

1) Constitution of network function

CD --- -- HDMI4 ---- HOME MEDIA GALLERY -- XM RADIO

- USB or iPod
- Internet Radio
- Neural Music Direct -> Internet radio run by Neural
- Server1
- Server2
- Server3
- Favorites
- Setup

Information

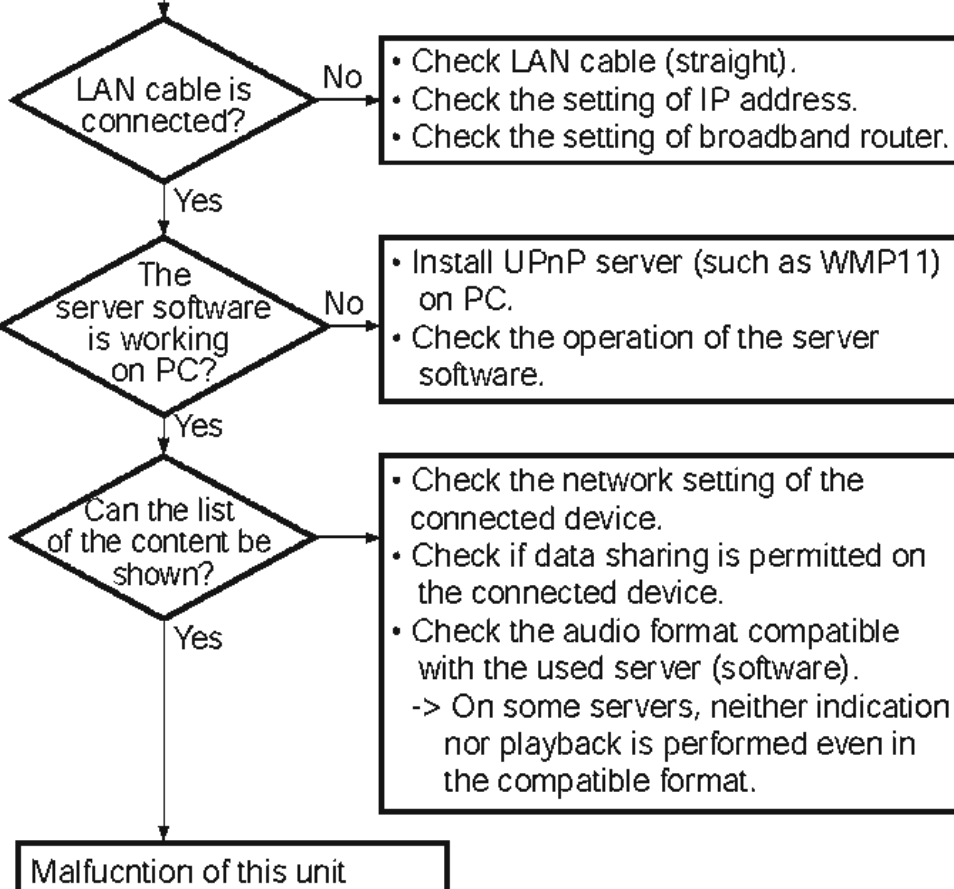
- Firmware Version -> Indicates the version of the firmware.
- MAC Address -> Indicates MAC Address.
- IP Address -> Indicates IP Address.
- Gateway IP -> Indicates Gateway IP.
- Proxy Server -> Indicates if Proxy Server is valid or invalid.
- Subnet Mask -> Indicates Subnet Mask.

Network Setup

2) Flow chart for isolation of network malfunction

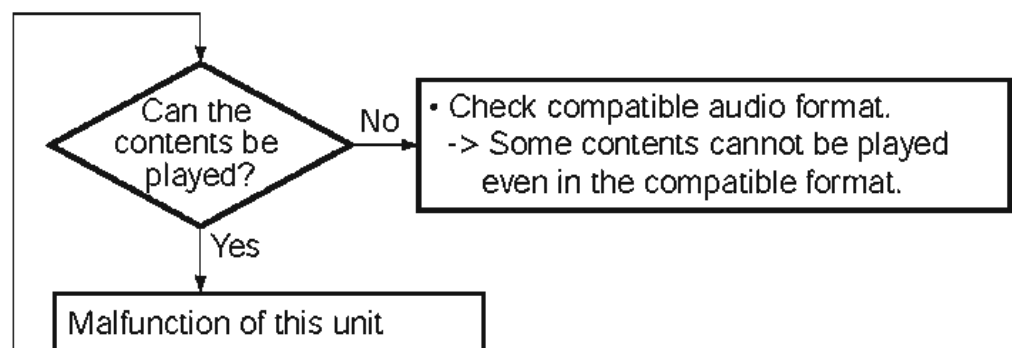
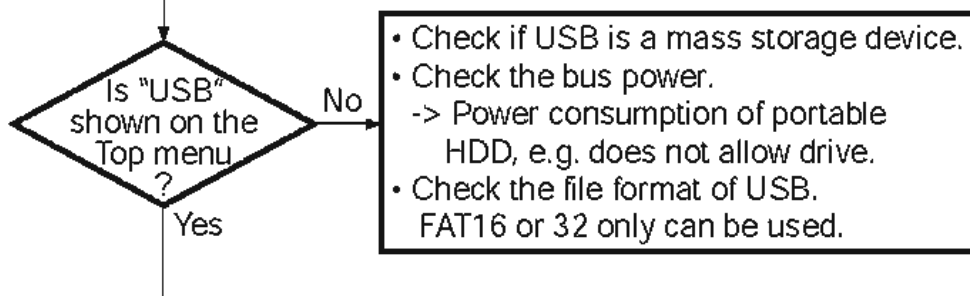
<Network connection>

- Internet Radio
 - Neural Music Direct
 - Favorites
 - Setup
- Only those items are shown.



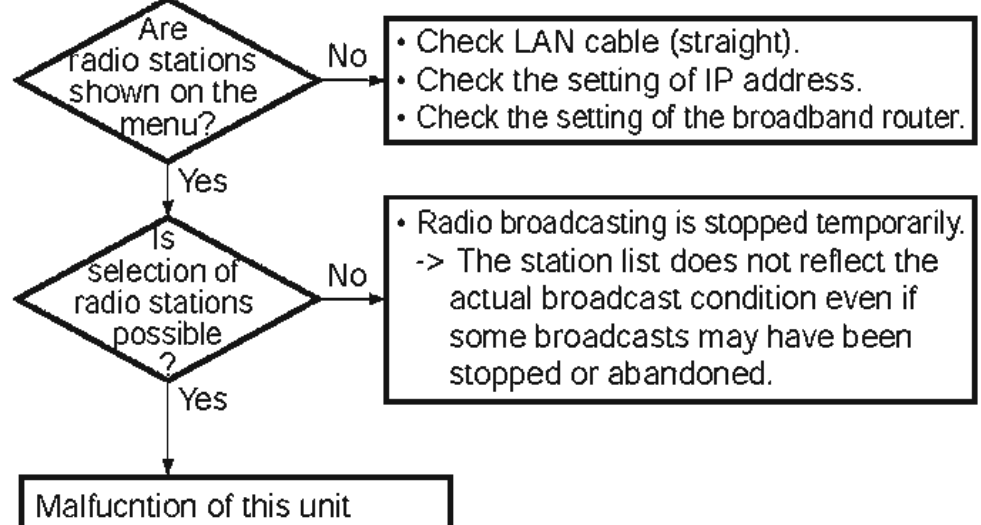
<USB connection>

The unit does not operate (the sound does not play) with USB connected.



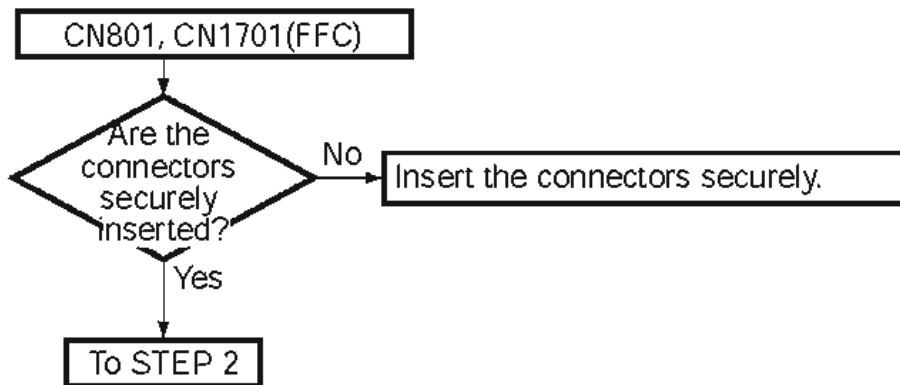
<Internet Radio connection> (Neural Music Direct is the same.)

Internet Radio does not operate (the sound does not play).

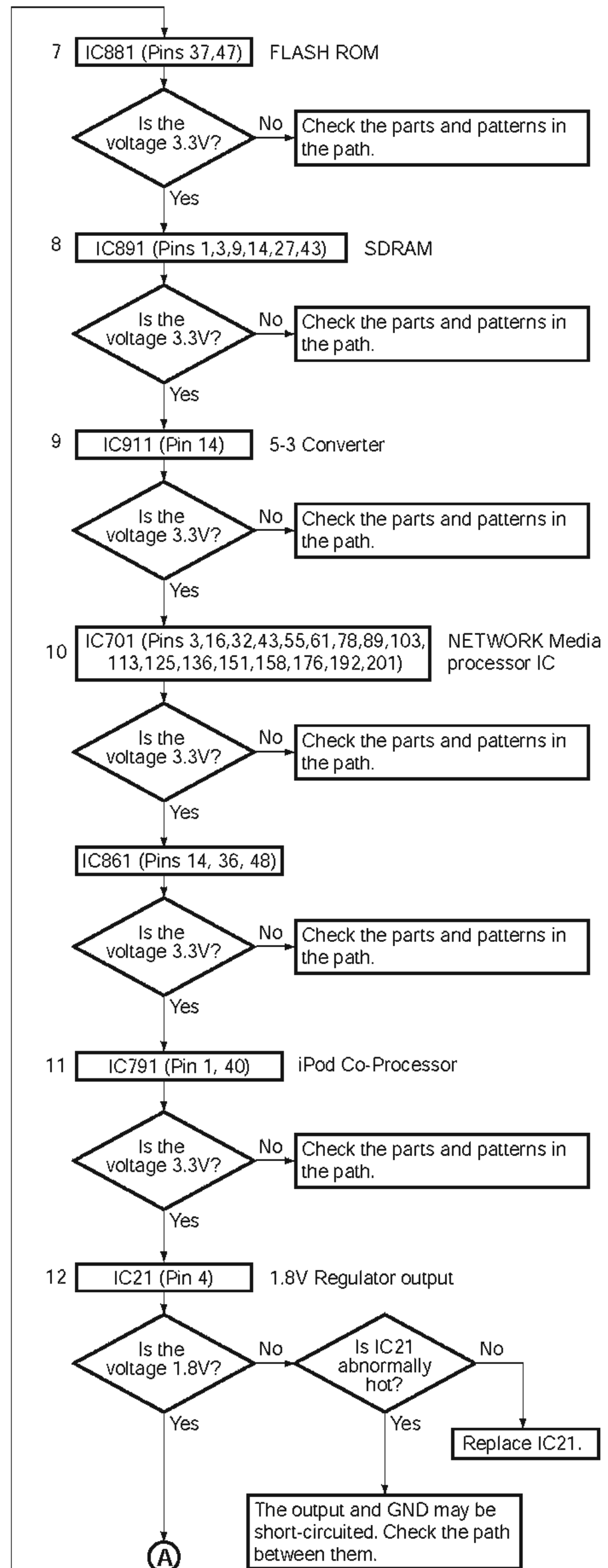
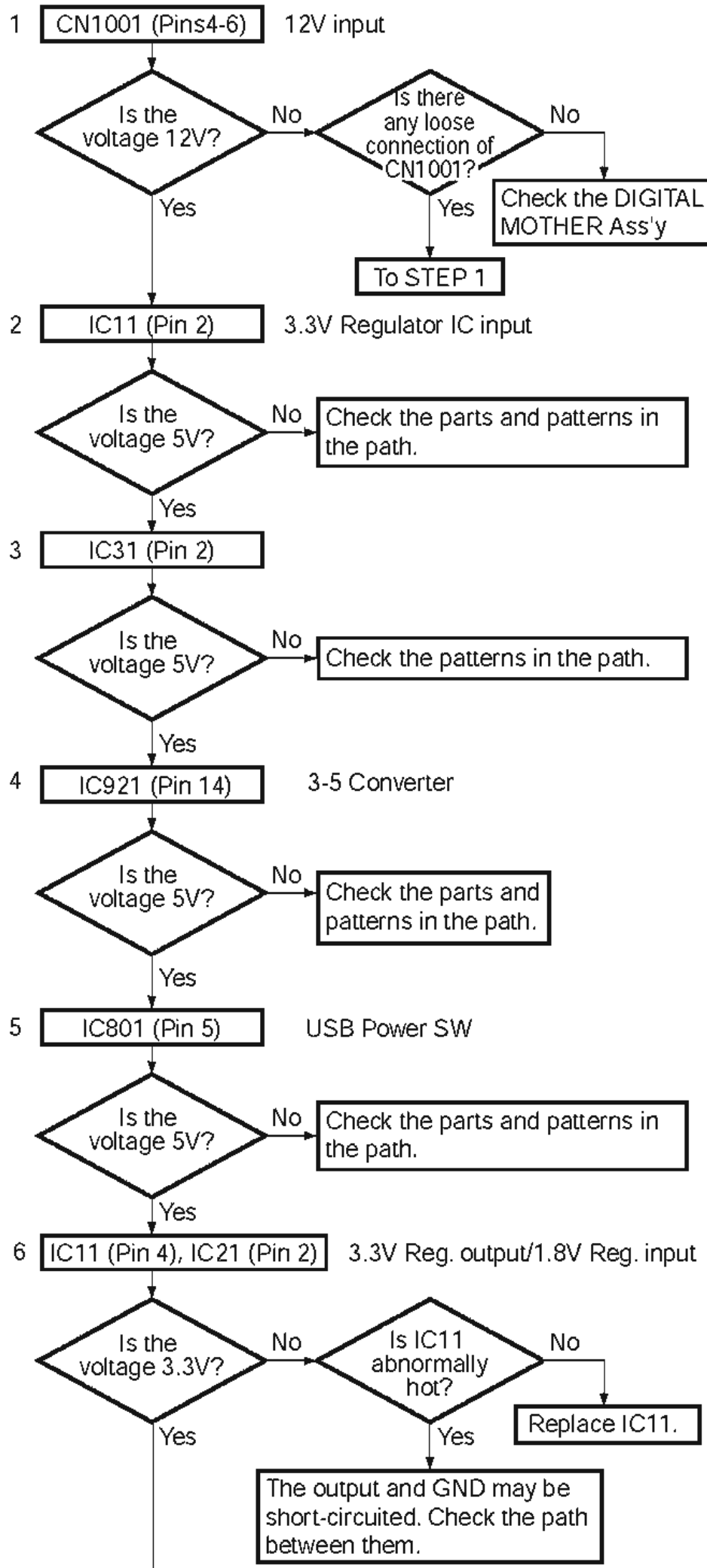


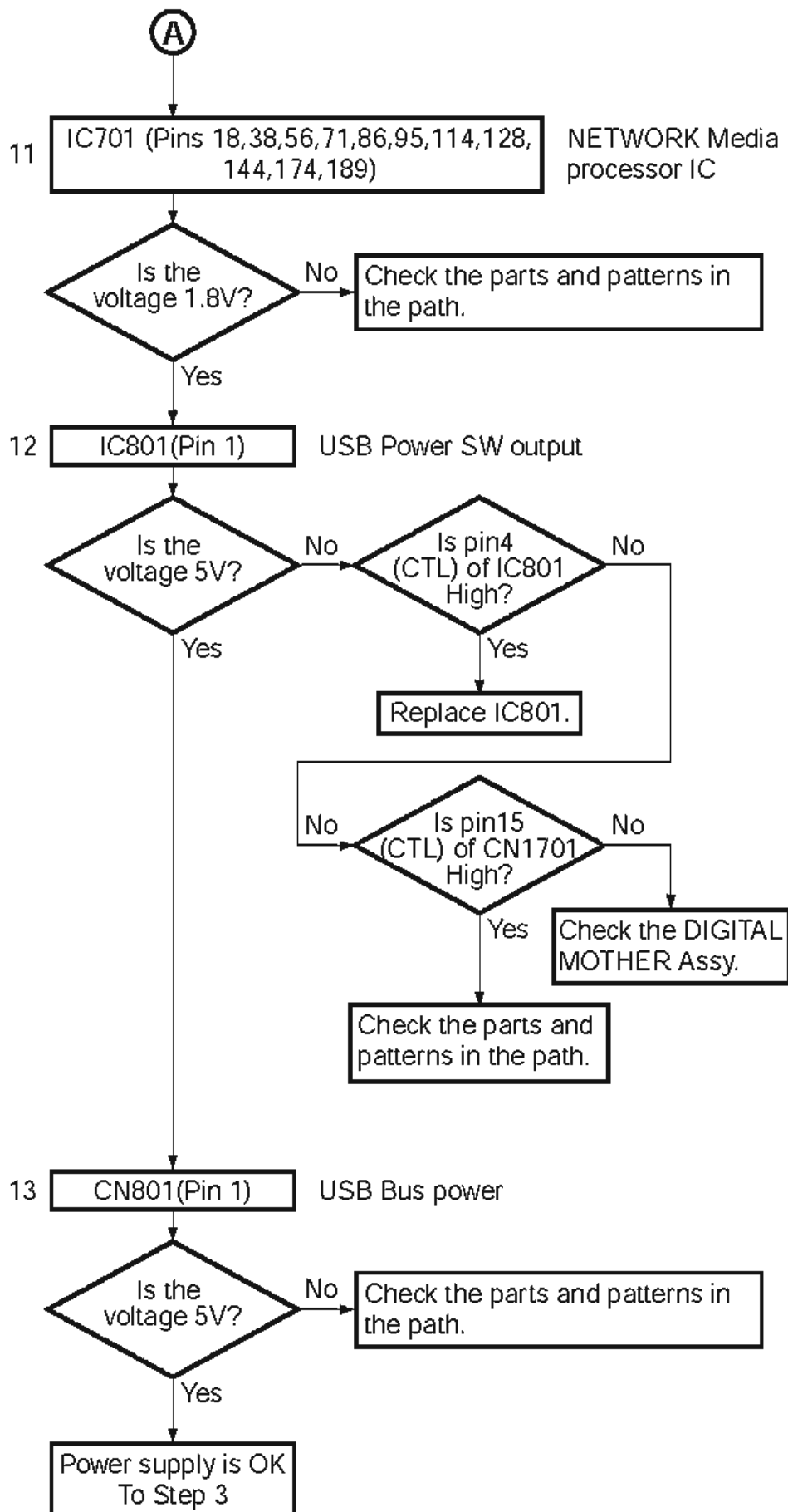
3) Network block troubleshooting

Step 1: Connectors



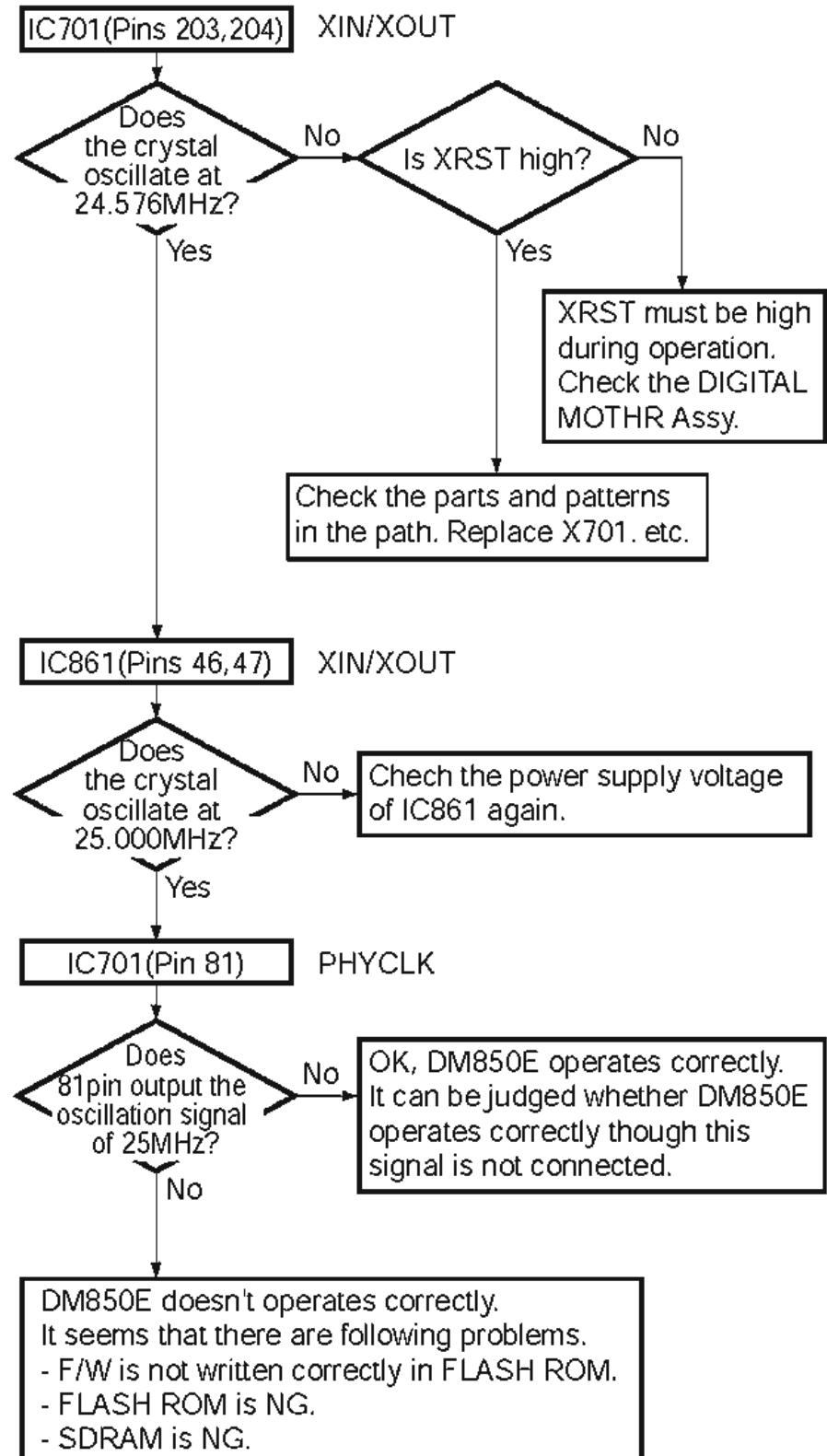
Step 2: Power supply





Step 3: Operation of Network Media processor IC

*Please confirm it with the USB memory connected for the content.



Step 4 : Communication between DM850E and System CPU

The signal shown by following fig are communication line of DM850E and main CPU(IC2001).

Confirm the connection of the signals along these routes.

fig. 1

	CN901	IC911 (5V -> 3V)	IC701
XRST	Pin 12	Pin 12	Pin 11
SPI CS	Pin 21	Pin 2	Pin 3
SPI CLK3	Pin 14	Pin 5	Pin 6
SPI MOSI	Pin 18	Pin 9	Pin 8

fig. 2

	IC701	IC921 (3V -> 5V)	CN901
SPI MISO	Pin 146	Pin 9	Pin 8
SPI REQ3	Pin 100	Pin 5	Pin 6

Step 5 : Communication between DM850E and System CPU

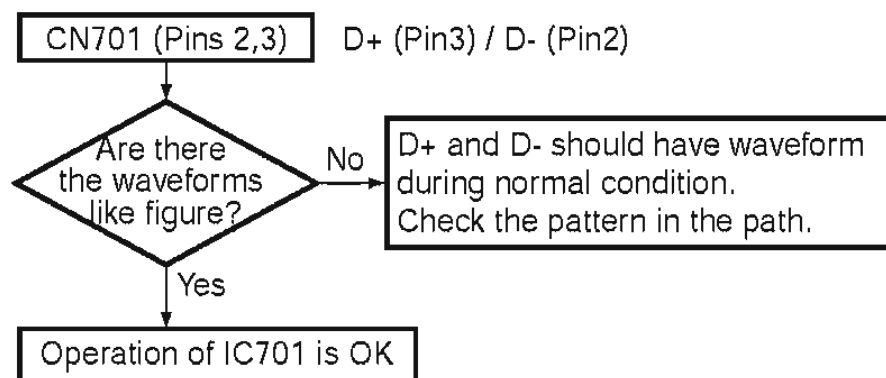
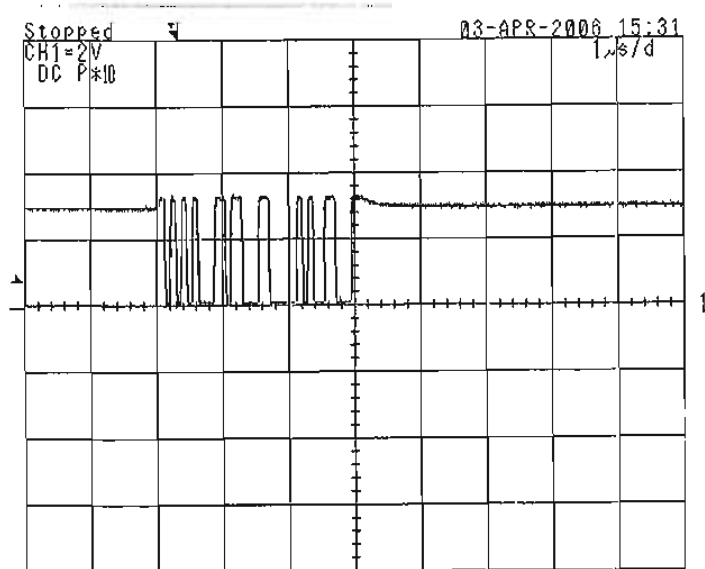
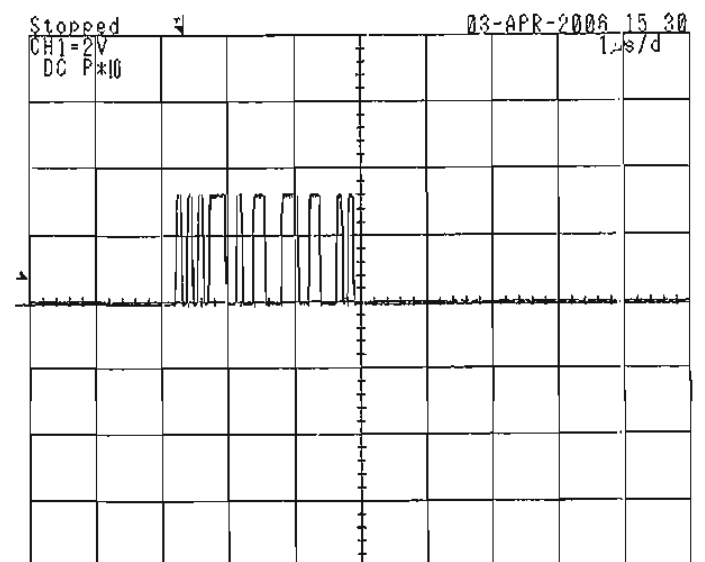


fig. : D+



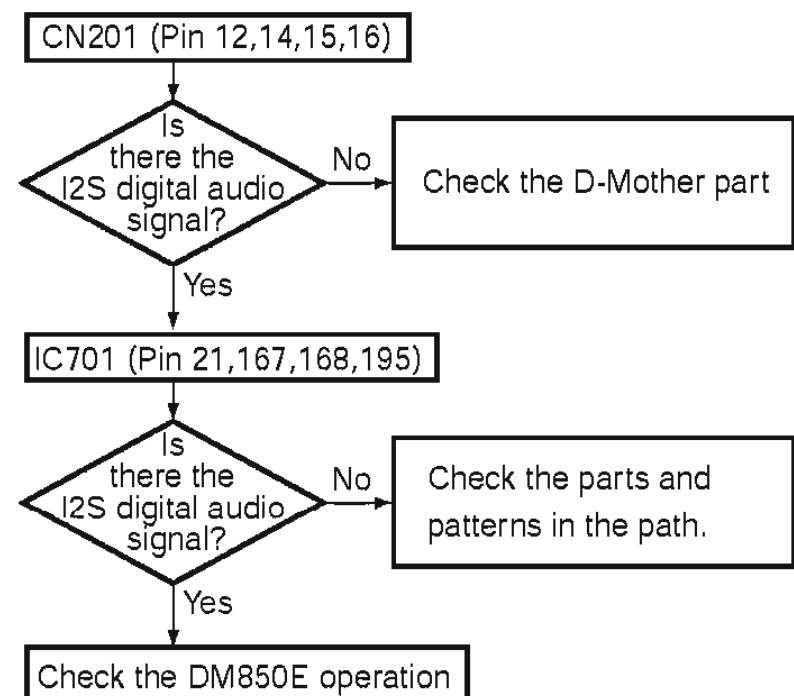
X : 1usec/div, Y : 2V/div

fig. : D-

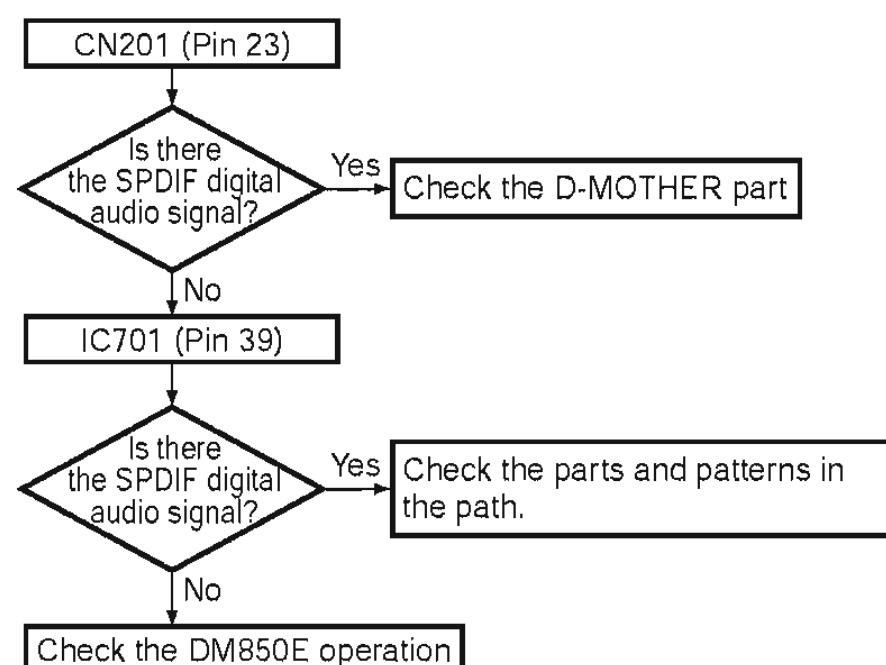


X : 1usec/div, Y : 2V/div

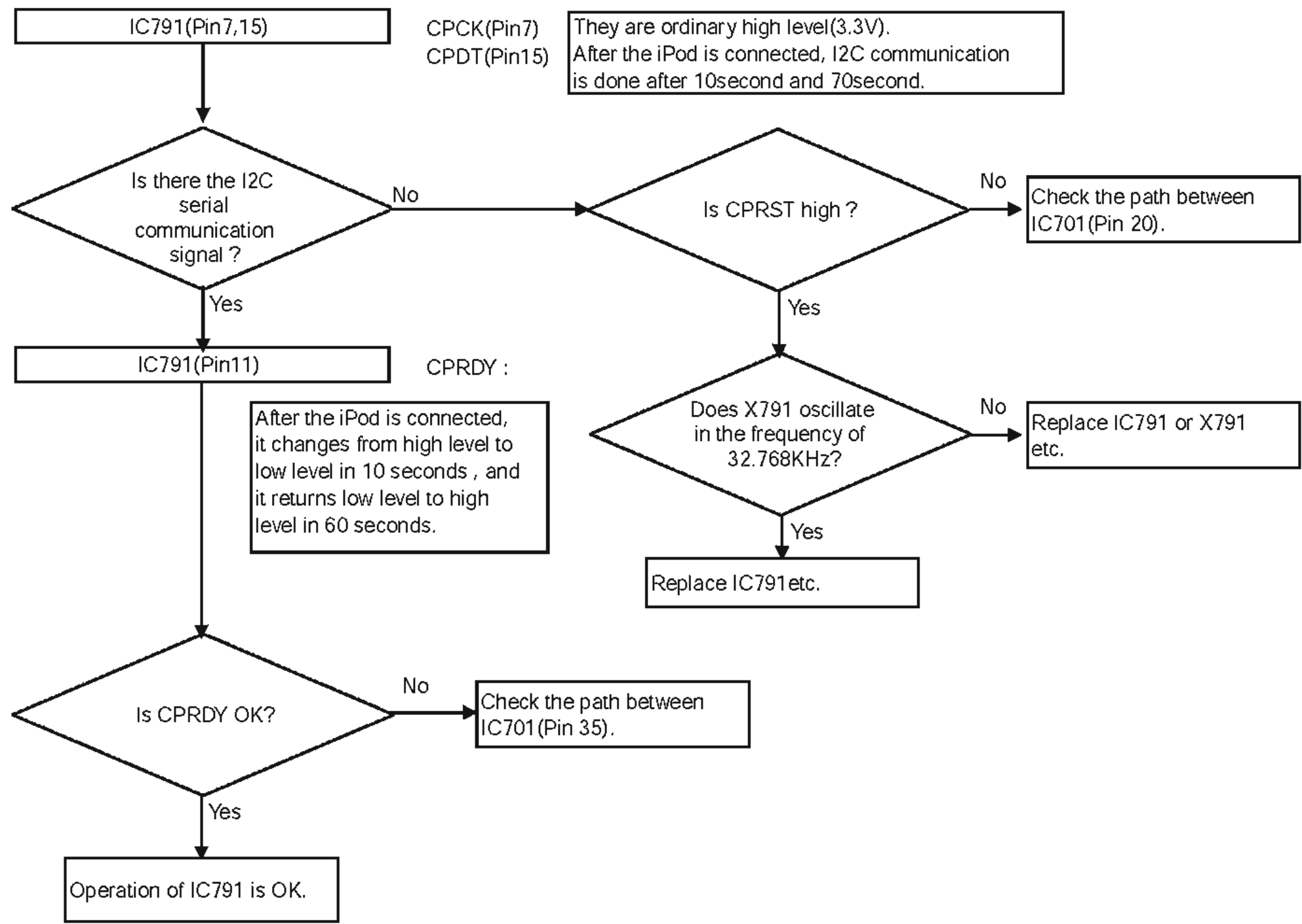
Step 7 : Audio Output (Zone2)



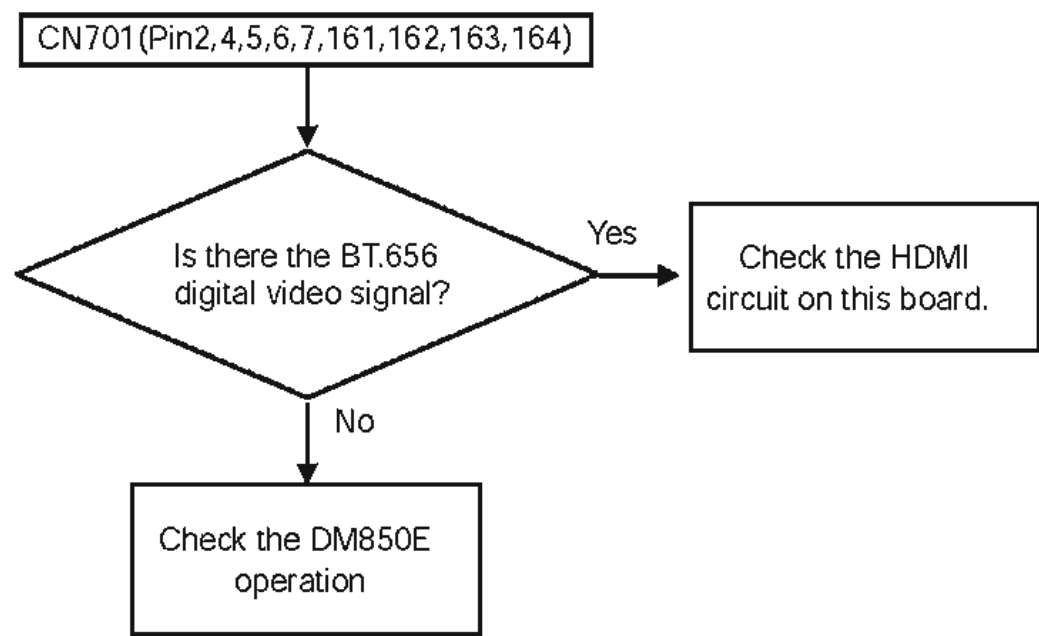
Step 6 : Audio Output



Step 8 : Communication between DM850E and iPod Co-Processor



Step 9 : Photo Image Output



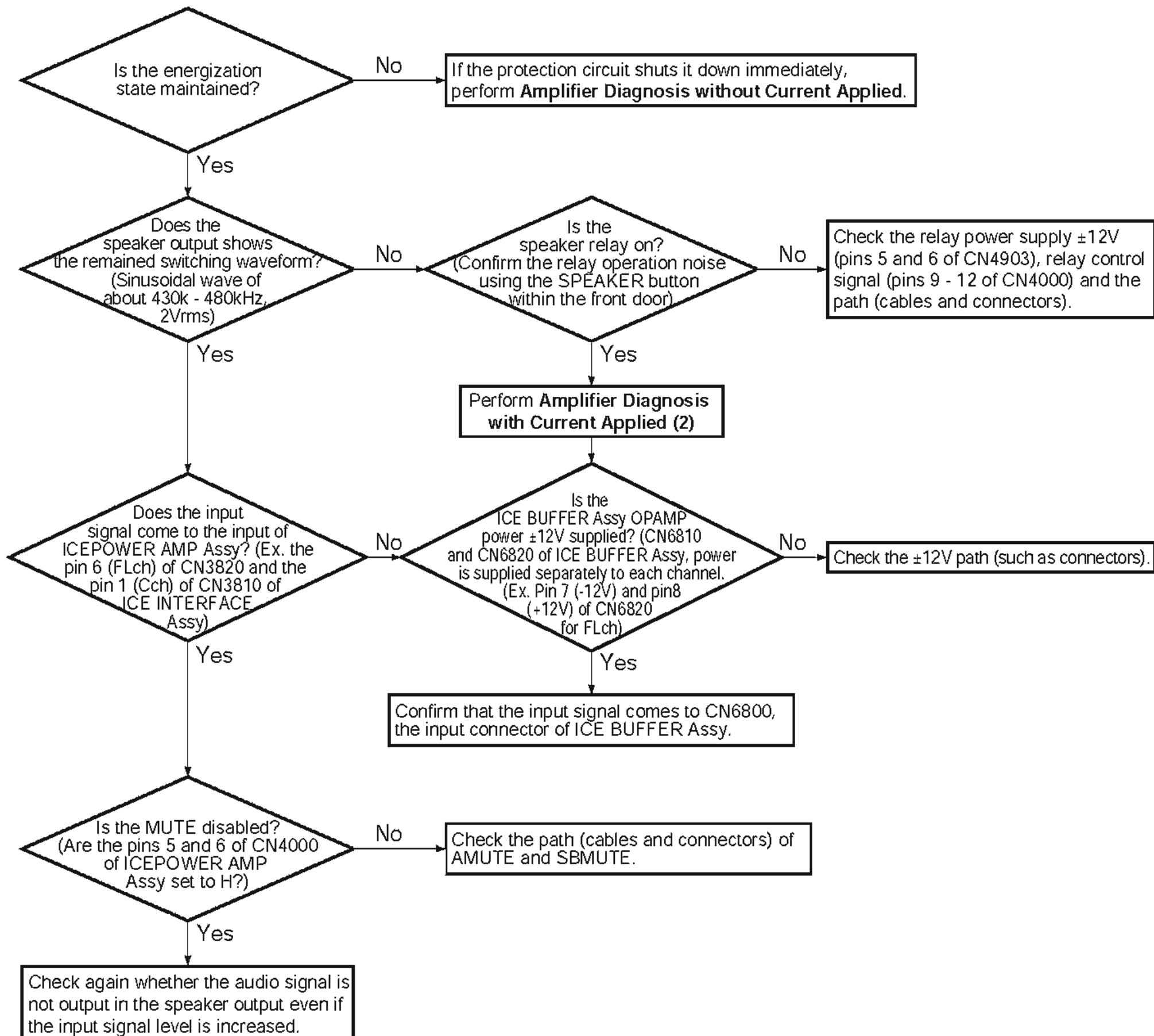
[5] Power Amp Section Troubleshooting

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).

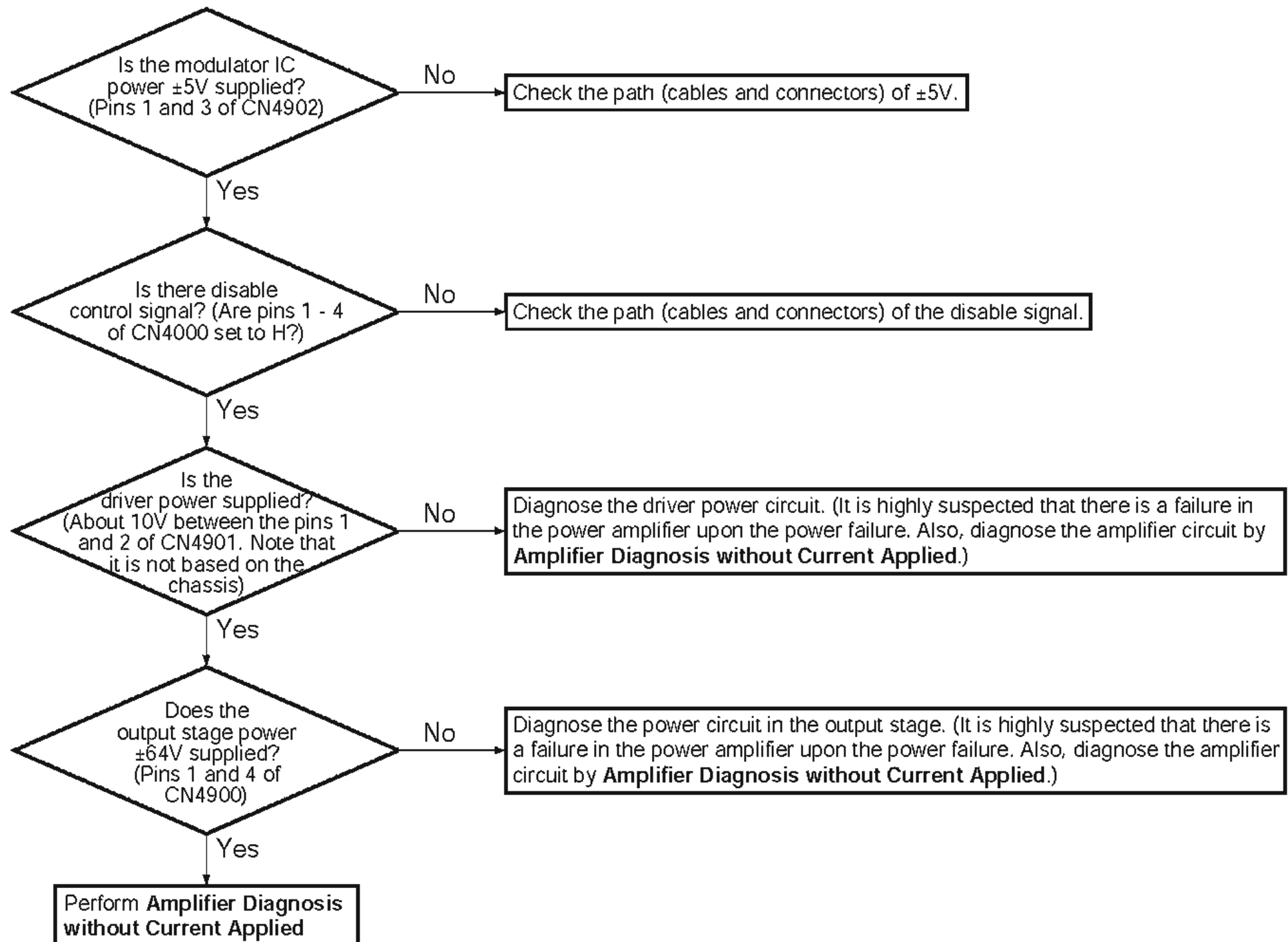
When no sound is produced with a specific function or sound mode, it is not caused by a failure in the power amplifier block. When there is a failure in the power amplifier block, no sound is produced with every function. It is recommended to set the speaker setting to "LARGE" for all the channels and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

Amplifier Diagnosis with Current Applied (1)



Amplifier Diagnosis with Current Applied (2)

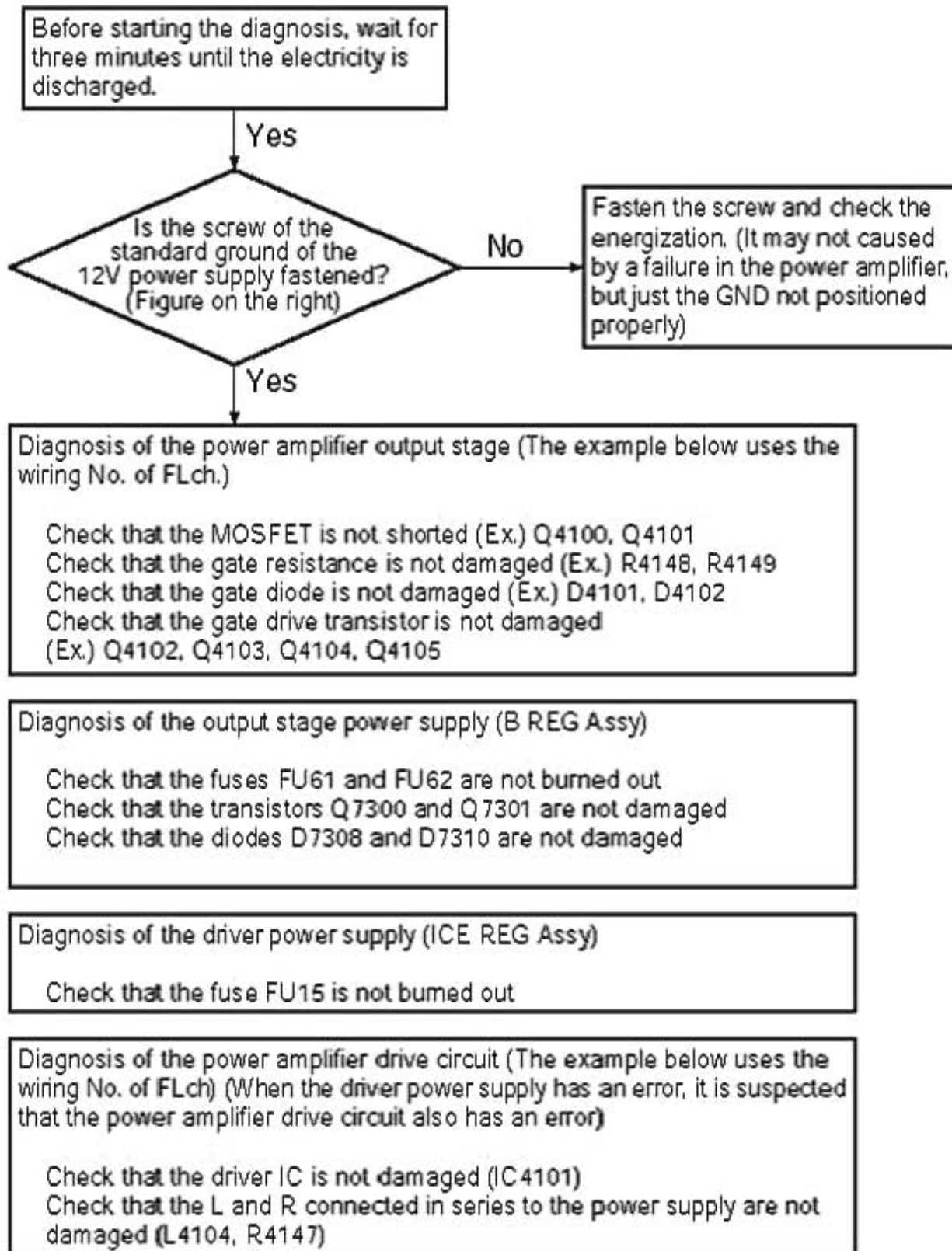
When the remained switching waveform is not observed in the speaker output, the amplifier is not operating. Here, confirm that the power and signal necessary for the amplifier to operate are supplied.



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.



(Closeup)



[6] Diagnosis of The XM Radio

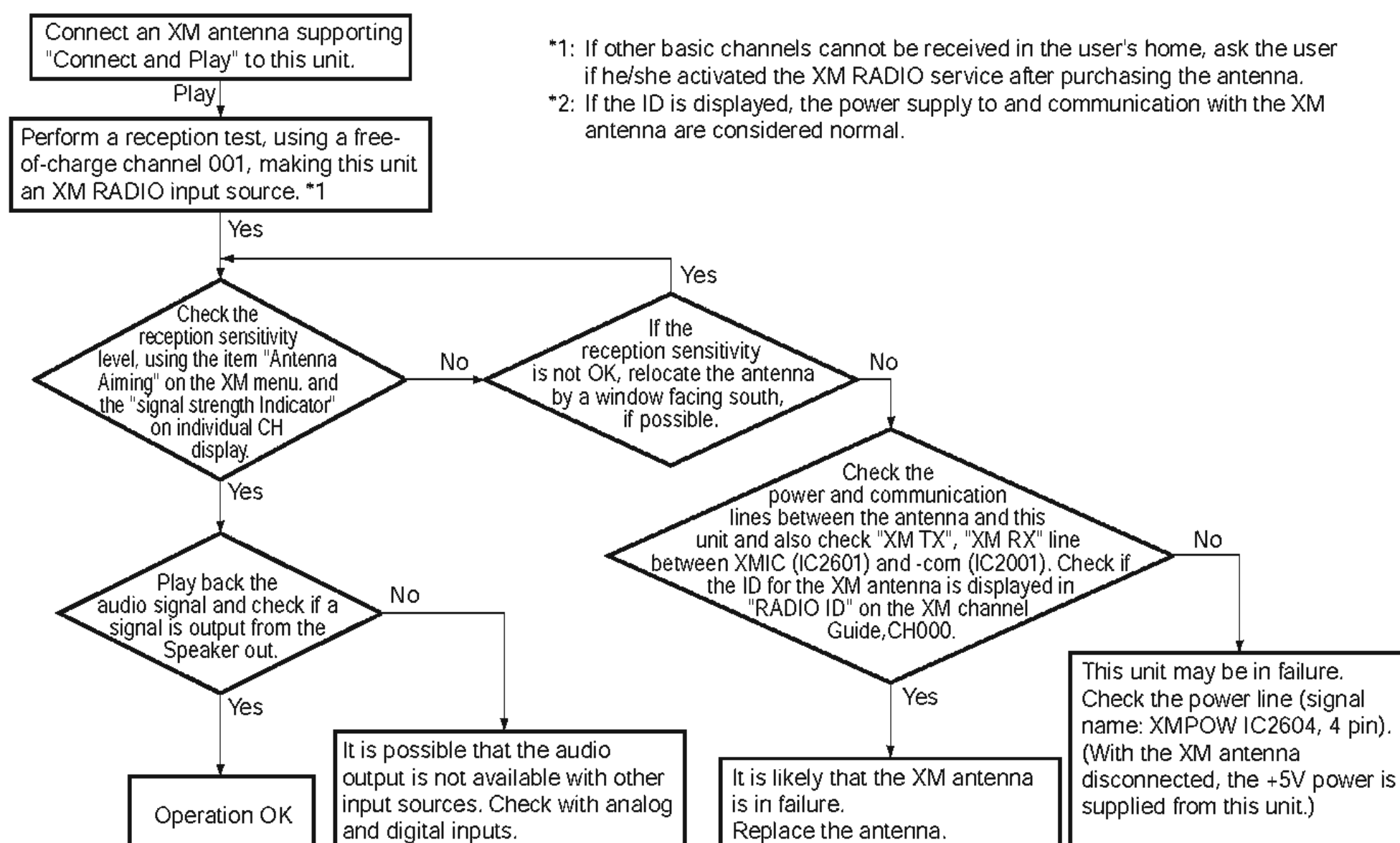
1) Products used for receiving XM Satellite Radio service

A commercially available "Connect and Play Antenna" can be used with this unit. To activate the XM RADIO service, it is necessary to receive a broadcast using your "Connect and Play Antenna."

2) About XM messages

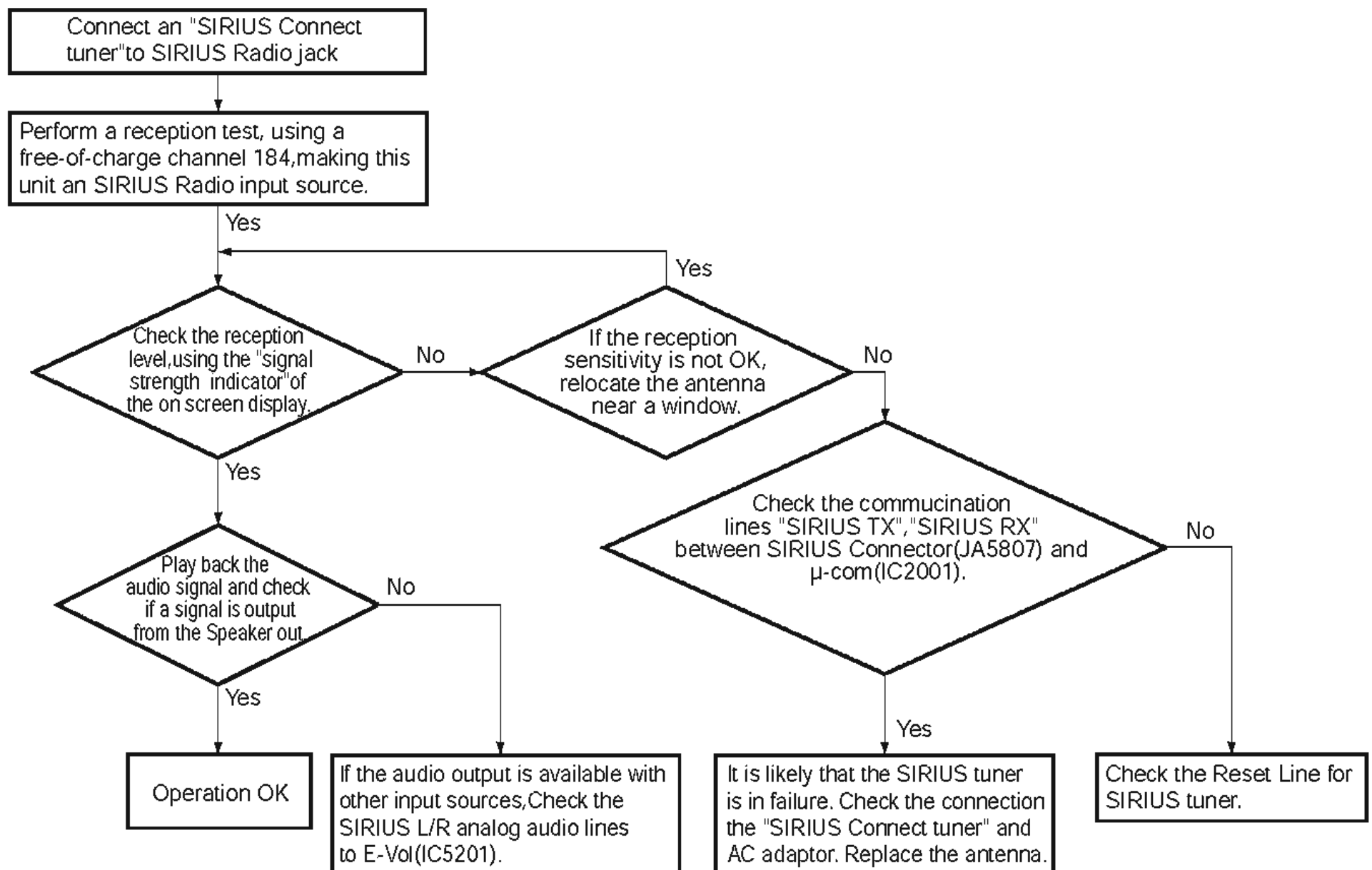
Symptom	Cause	Measures
Check Antenna	An XM antenna is not connected.	Check whether the XM antenna cable is securely connected.
XM Power Error	A short-circuit is occurring in the XM antenna or the surrounding antenna cable.	Make sure that there is nothing unusual with the XM antenna or XM antenna cable. Turn the power off then back on.
Updating	The radio is being updated with the latest encryption code.	Wait until the encryption code is updated. Channels 00 and 01 should function normally.
No Signal	The XM signal is too weak at the current location.	
Loading	The unit is acquiring audio or program information.	Wait until the unit has received the information.
Off Air	The channel currently selected has stopped broadcasting.	Select another channel.
CH - - -	The user has selected a channel number that does not exist or is not subscribed to.	The receiver automatically switches to Channel 001 or a last-selected channel.
-----	There is no artist name/feature (song/program title), or channel category is associated with the channel.	No action needed.

3) Operation check of XM RADIO function



[7] Sirius Block Troubleshooting

Step 1 : Connectors



SIRIUS radio messages

Symptom	Cause	Action
Antenna Error	Antenna is not properly connected.	Check that the antenna cable is attached securely.
Check Sirius Tuner	SIRIUS Connect tuner is not properly connected.	Check that the 8 pin mini DIN cable and AC Adapter are attached securely.
Acquiring Signal	The SIRIUS signal is too weak at the current location.	n/a
Subscription Updating	Unit is updating subscription.	Wait until the encryption code has been updated.
Updating Channels	Unit is updating channels.	Wait until the encryption code has been updated.
Invalid Channel	Selected channel is not available/does not exist.	Select another channel.

5.2 CIRCUIT DESCRIPTION

[1] Protection Circuit Process List

B REG Power Supply

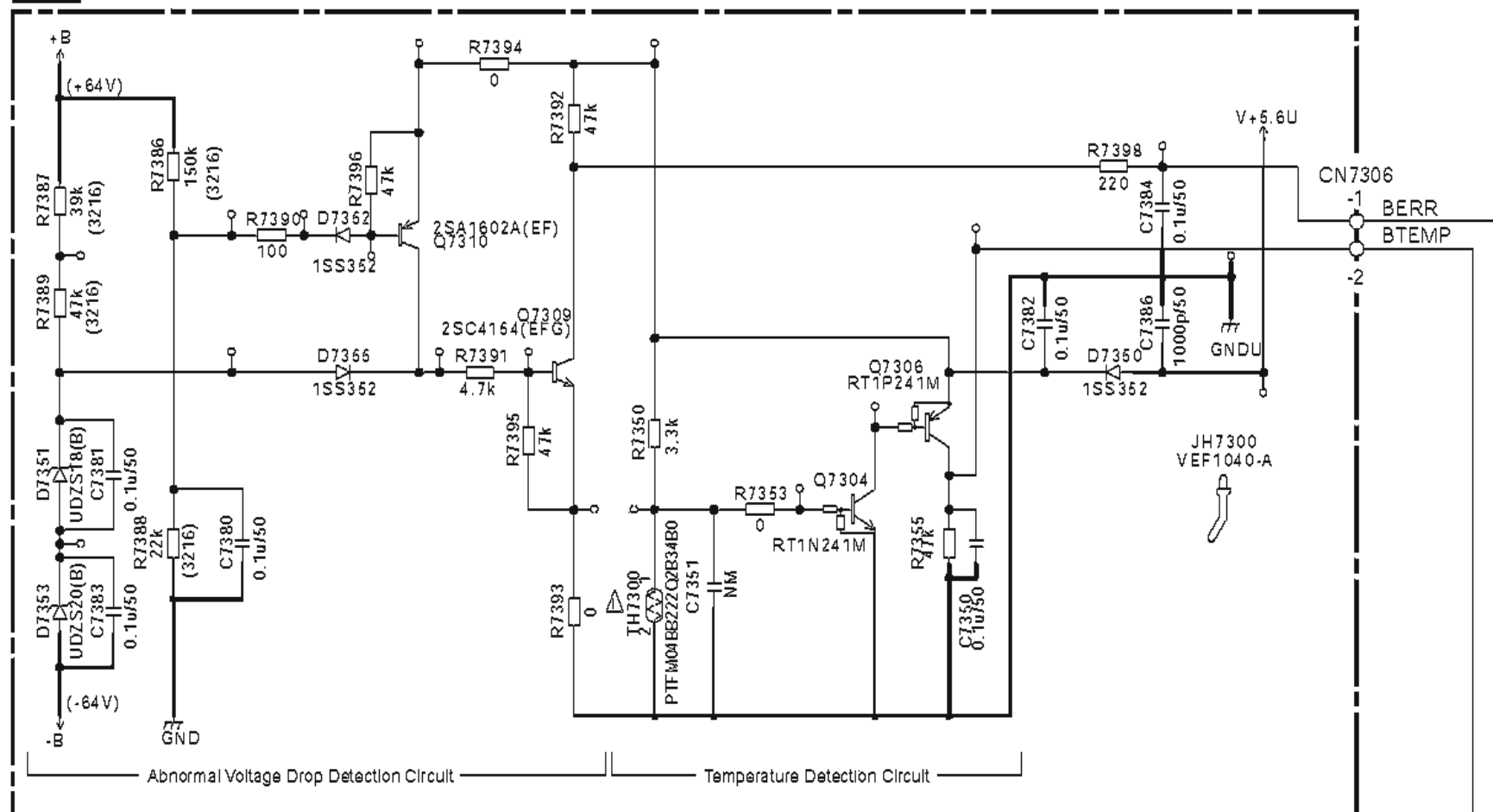
Item	Purpose	Detection Method	Status of Equipment	Warning Indication	Remarks
B REG power supply overheat detection	Detects overheat of transistor(s) in B REG power supply circuit	Detects when posistor detection temperature exceeds 120°C and BTMP port becomes "H". (IC2001 48pin)	Flashes "OVERHEAT" indicator. Shuts down at continuation for more than 3 seconds. LED indicator continues blinking.	"OVERHEAT" and 3 second flashing. Blinks ICE blue LED indicator.	Recoverable by power-on
B REG power supply failure detection	Detect abnormal voltage drop when B REG transistor(s) becomes failure	Detects output voltage of B REG power cuicuit decreases below 38V and BERR port becomes "L". (IC2001 47pin)	Shuts down	Blinks MCACC LED	Unrecoverable

Amplifier Circuit

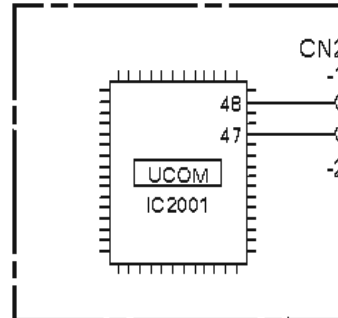
Item	Purpose	Detection Method	Status of Equipment	Warning Indication	Remarks
Overheat detection	Detects MOS FET temperature of amplifier output stage	Detects when TEMPERATURE PORT becomes "L" in case of the detecting temperature exceeds 95°C or rapid change by short cuicuit of speaker terminals. (IC2001 89pin)	Shuts down with FL indication of "AMP OVERHEAT". LED indicator continues blinking.	Indicates "AMP OVERHEAT". Blinks ICE blue LED indicator.	Recoverable by power-on
		Detects when MAXTEMP port becomes below 3.3V at NTC Thermistor detect circuit. (IC2001 91pin)	Fan rotates below 3.3V.		
DC detection	Detects DC of amplifier output (After LPF)	Detects when SP output exceeds DC ± 7V and DCERR port becomes "L". (IC2001 90pin)	Let MUTE on, Speater Relay off and shuts down 3 seconds after to blink MCACC LED.	Flashes "AMP ERR"indicator. Blinks MCACC LED	In case of detecting DC abnormality during power-on sequence after detecting DC. Unrecoverable
			Let MUTE on, Speater Relay off and shuts down 3 seconds after to blink ICE blue indicator.	Flashes "AMP ERR"indicator. Blinks ICE blue 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". (IC2001 88pin)	Shuts down when abnormality continues for more than 3 seconds.	Flashes "FAN STOP"indicator. Blinks Digital Video Scaler LED	Recoverable by power-on
Sobel detection	Protects overcurrent by Sobel Resistance when high power output of higher frequency continued	Detects OLERR port becomes "L". (IC2001 17pin)	Shuts down	Blinks PHASE CONTROL 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". (IC2001 17pin)	Shuts down	Blinks PHASE CONTROL 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". (IC2001 17pin) AMP_Overload DET	Shuts down	Blinks PHASE CONTROL LED	Recoverable by power-on
Low Voltgae 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

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

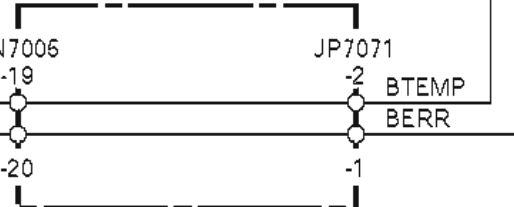
Y B REG ASSY



B D-MOTHER ASSY

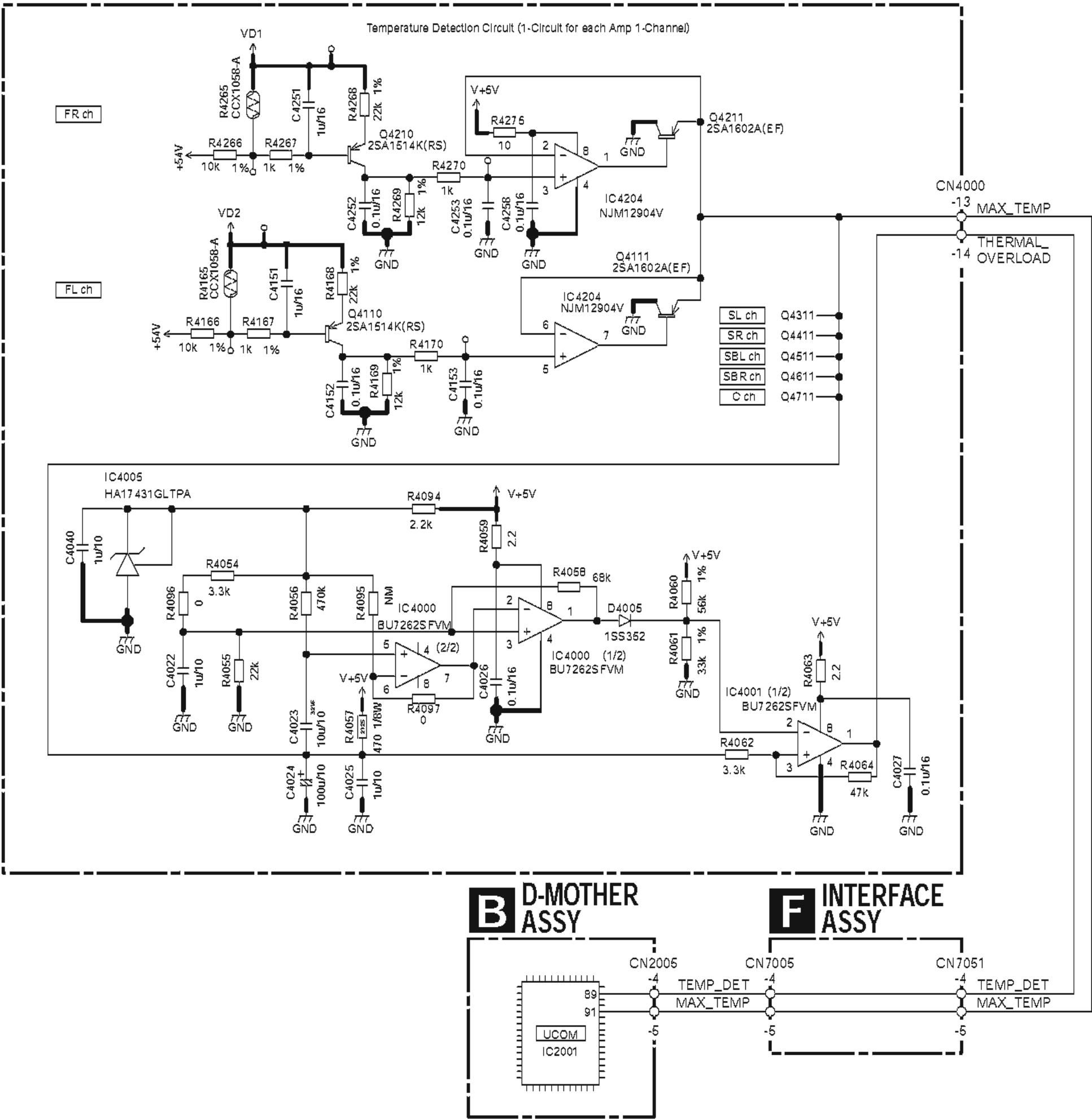


F INTERFACE ASSY



Overheat Detection

Q ICEPOWER AMP ASSY

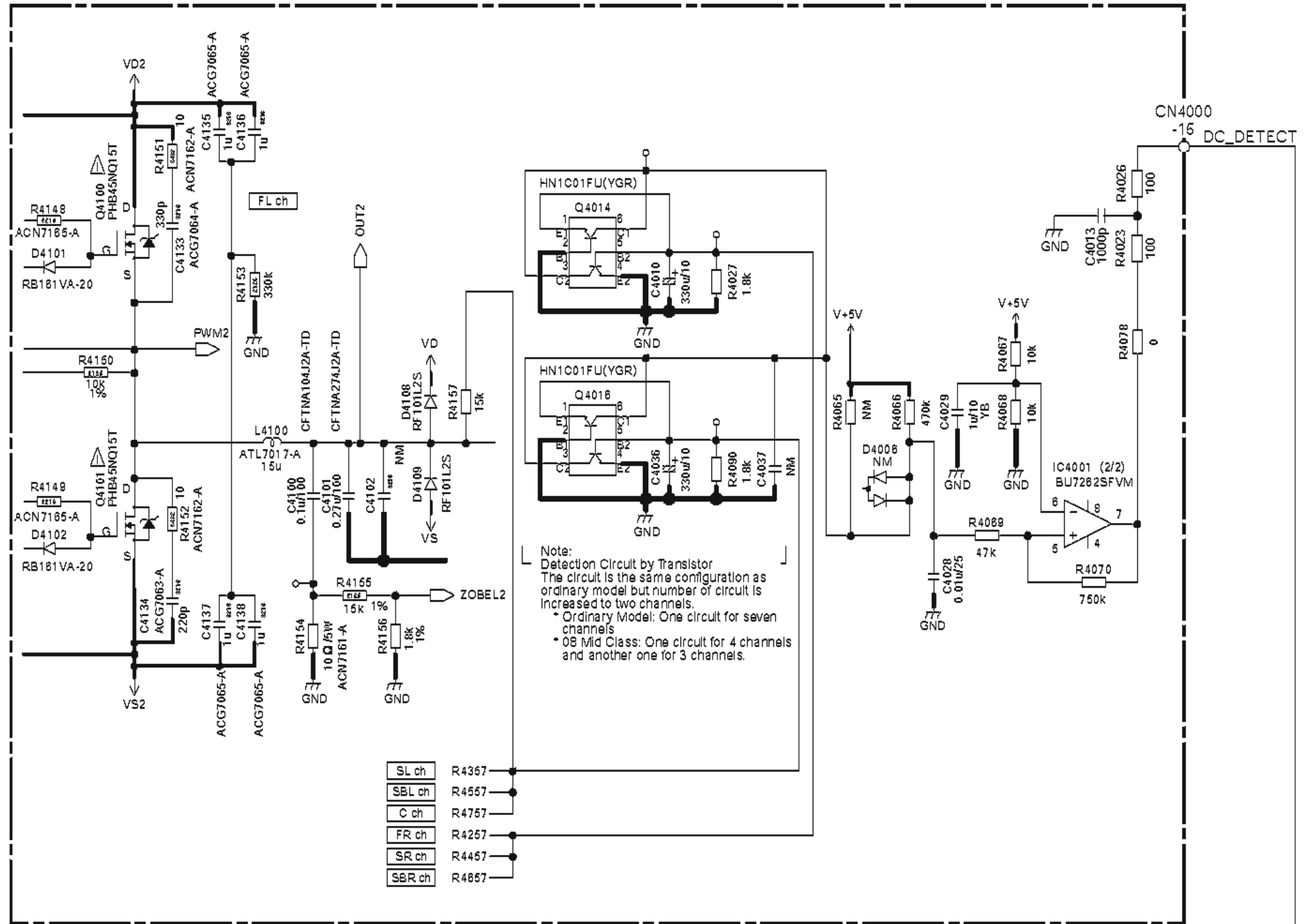


B D-MOTHER ASSY

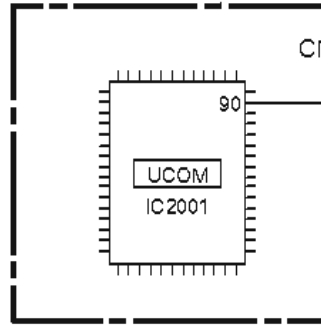
F INTERFACE ASSY

DC Detection

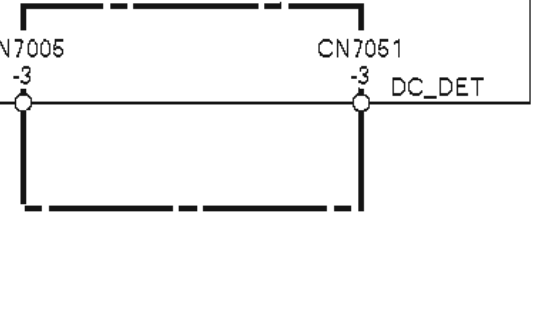
Q ICE POWER AMP ASSY



B D-MOTHER ASSY



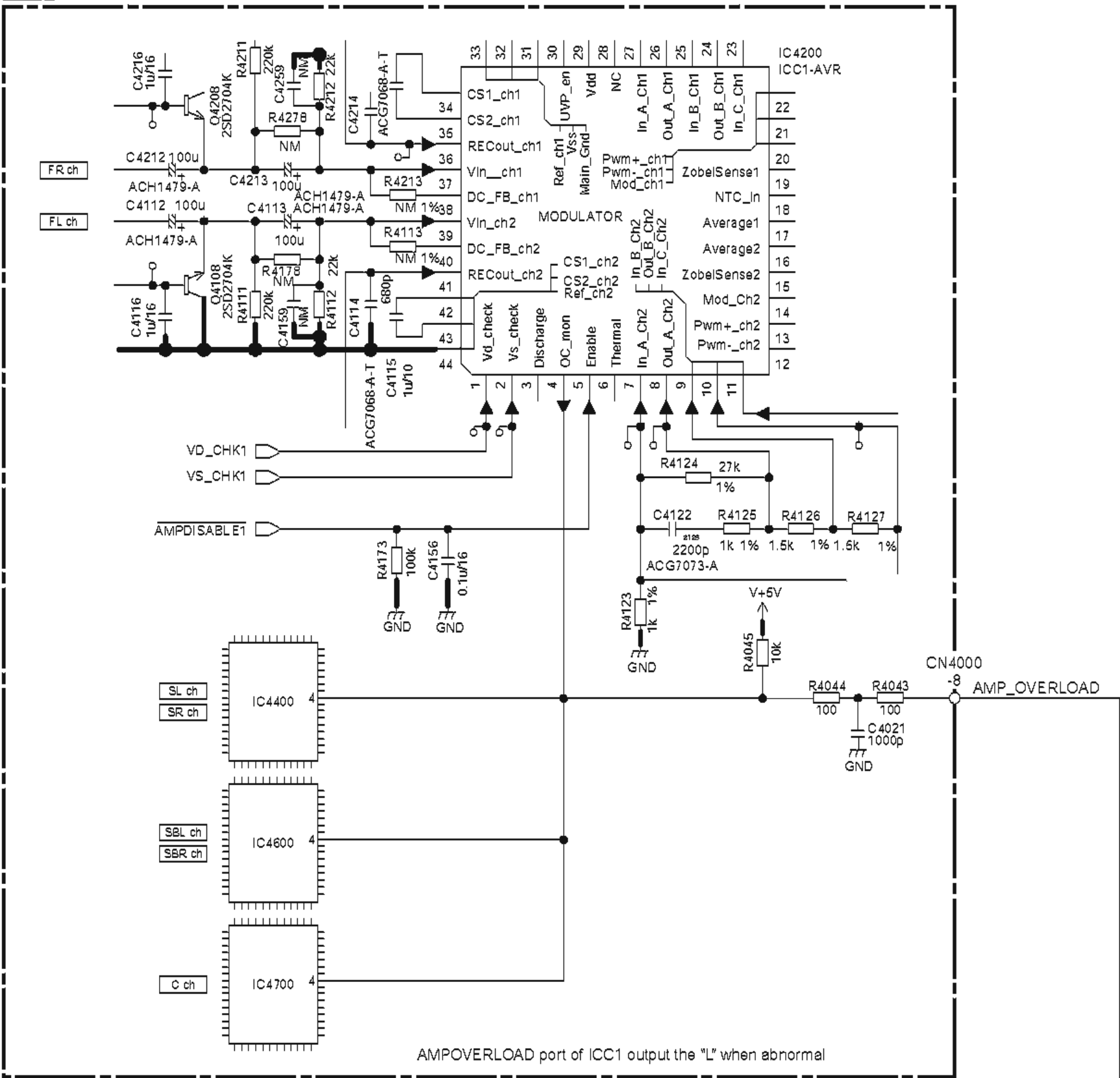
F INTERFACE ASSY



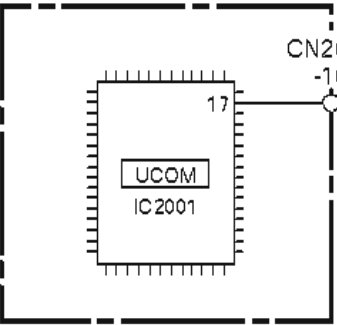
Sobel Detection

Over Current Detection of MOS FET in Output Stage

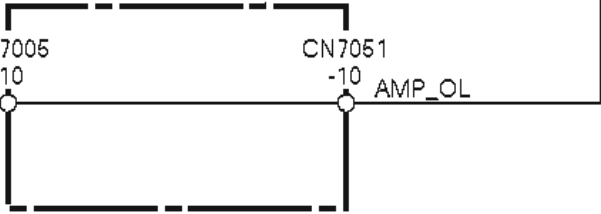
Q ICEPOWER AMP ASSY



B D-MOTHER ASSY

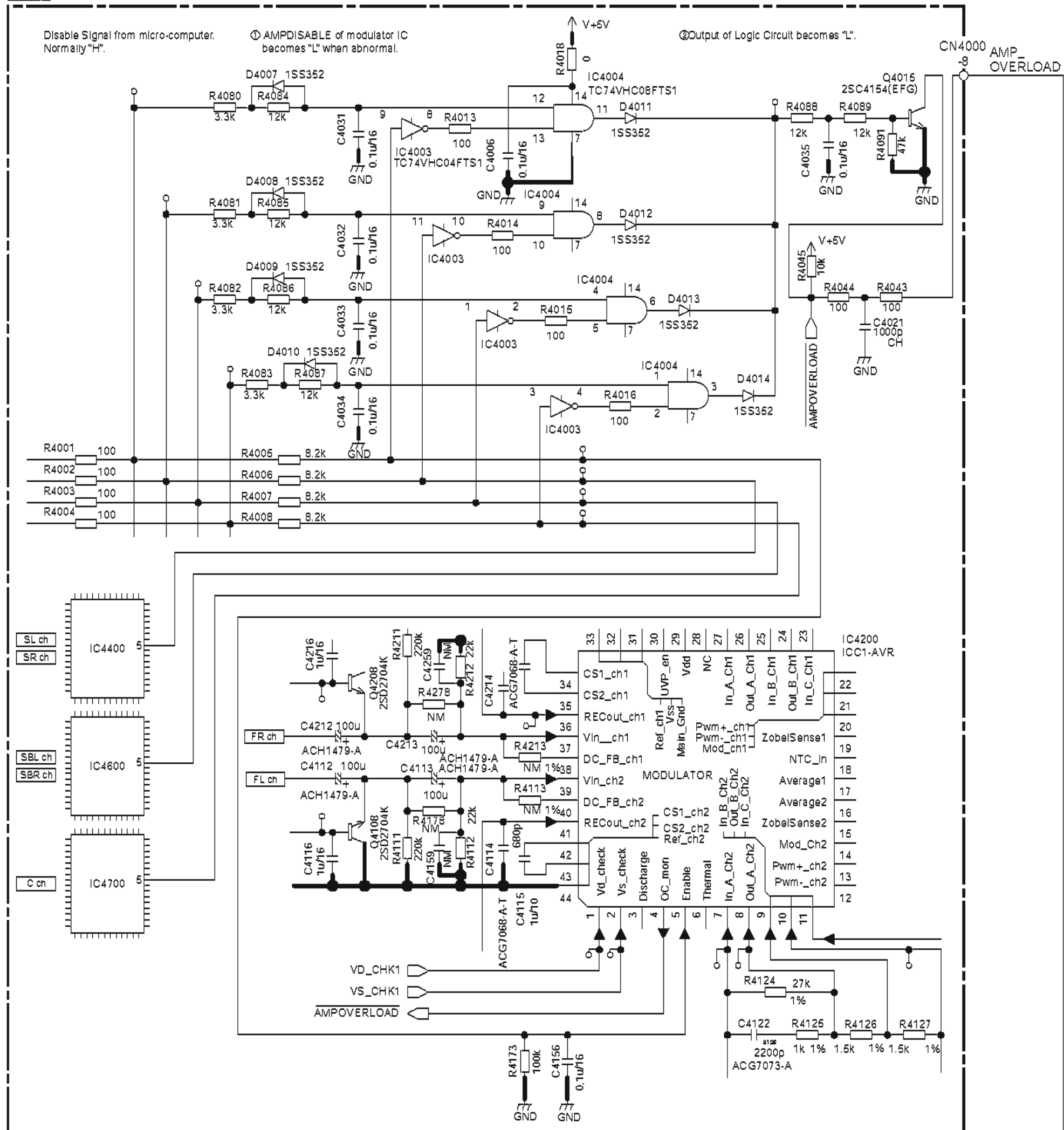


F INTERFACE ASSY



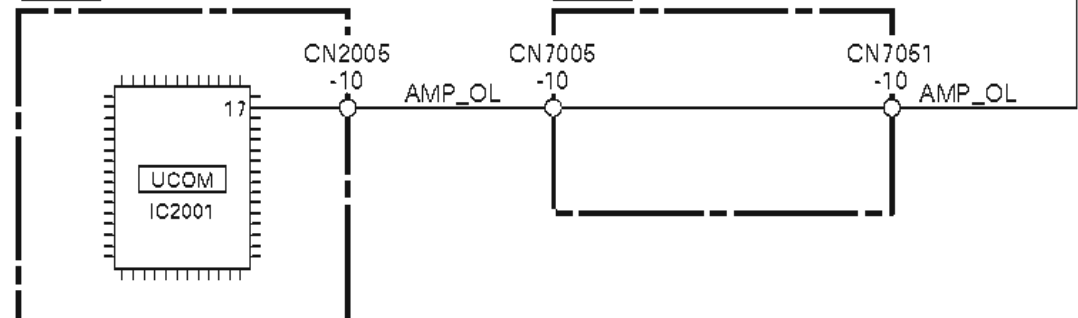
Low Voltage Detection for Amplifier Power Supply

Q ICEPOWER AMP ASSY



B D-MOTHER ASSY

F INTERFACE ASSY



[2] Error Indications When an Abnormality in The Amplifier System Is Detected

[Purpose]

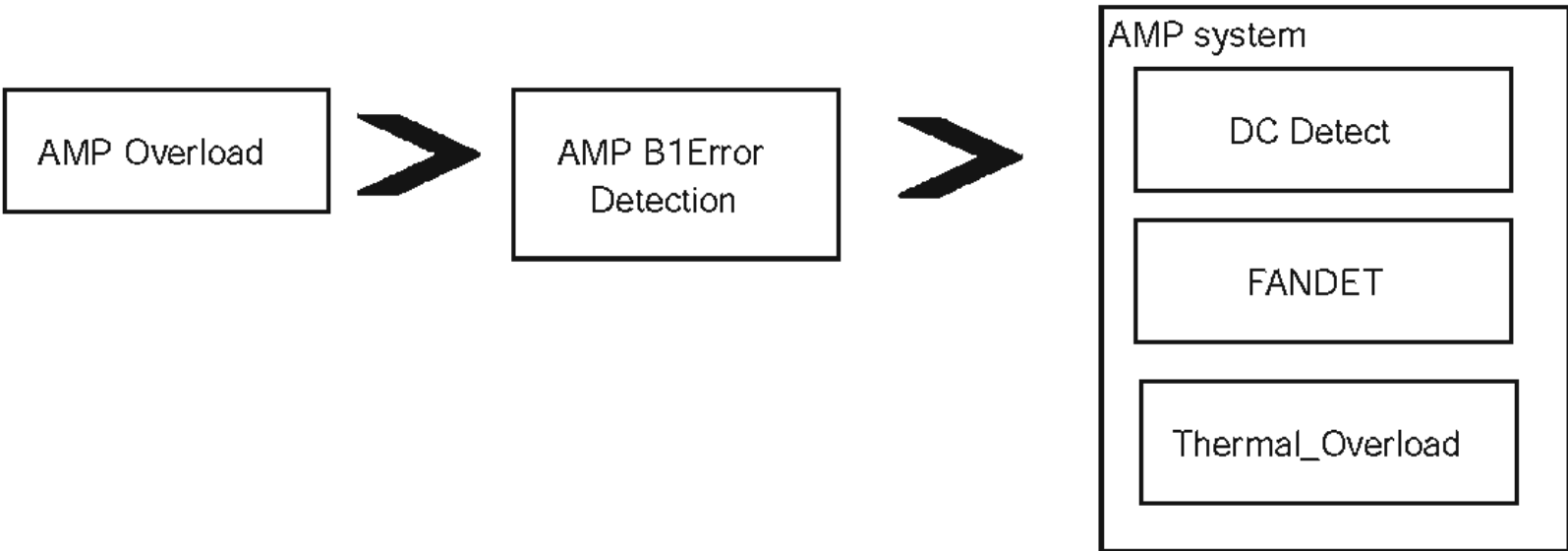
Errors upon detection of abnormalities in the amp system are indicated.

[Error Indications]

	FL Display	LED flashes	Status	Timing (sec.)	Remarks
(1)	AMP ERR	ICE Blue LED	When the AMP DC is detected during normal opeartion.	FL flashes 3 times. LED flashes after the power off.	
		MCACC LED	When the AMP DC is detected during power-on sequence after the DC output was once detected.	FL flashes 3 times. LED flashes after the power off.	
(2)	NA	PHASE CONTROL	When an abnormality of electric current of output stage is detected.	LED flashes after the power off.	
(3)	NA	PHASE CONTROL	When an abnormality of overheat of output stage is detected.	LED flashes after the power off.	
(4)	FAN STOP	VIDEO SCALER	When an abnormality is detected inthe fan fot the AMP.	FL flashes 3 times. LED flashes after the power off.	
(5)	OVERHEAT	ICE Blue LED	When an abnormality of overheat is detected in the power supply B REG circuit.	FL flashes 3 times. LED flashes after the power off.	Abnormality detection in the power supply B REG circuit
(6)	NA	MCACC LED	When an abnormality is detected in the ouput voltage of the power supply B REG circuit.	LED flashes after the power off.	
(7)	12V TRG ERR	NA	When the 12V trigger circuit is short-circuited.	Flashes	
(8)	USB ERROR1	NA	When the overload USB device (over500 mA) is connected.	Flashes	
(9)	HDCP ERROR	NA	When an HDCP ERROR is detected.	Flashes 5 seconds	Warning indication for HDMI Simplay
(10)	NOT SUPPORT	NA	When the monitor outputs a non supported video format.	Flashes 5 seconds	
(11)	HDMI NG	NA	When an error is detected during communication with the HDMI micro-computer.	Flashes	Warning indication for microcomputer commnunication
(12)	DSP NG	NA	When an error is detected during communication with the DSP micro-computer.	Flashes	

[Detection and Display Priority]

In principle, the abnormality is preferentially detected as the following order.



[Descriptions]

(1)	AMP ERR	In Normal Operation mode, if a failure in the amp block or high DC output is detected, "AMP ERR" appears and starts flashing, and the shutdown process starts. The power is shut off, and the ICE Blue LED starts flashing. To restore the previous status 1 minutes or more after a shutdown, just turn the unit back on.
		If a failure in the amp block or high DC output is detected during a power-on sequence after high DC output was once detected, "AMP ERR" appears and starts flashing, and the shutdown process starts. The power is shut off, and the MCACC LED starts flashing. To restore the previous status, follow the procedure described in "How to Enter Release Mode" below then turn the unit back on. If the unit shuts off again, the AMP block may be in failure.
(2)	Overcurrent detection	Upon detection of overcurrent in the MOSFET at the amp output stage, the unit power off immediately, and the PHASE CONTROL LED starts flashing. The previous stage will be restored when the unit is turned back on.
(3)	Overheat detection	If abnormality temperature is detected in the MOSFET at the amp output stage, the unit power off immediately, and the PHASE CONTROL LED starts flashing. To restore the previous status, turn the unit back on.
(4)	FAN STOP	If abnormality is detected in the fan for the AMP, "FAN STOP" appears and starts flashing, and the shutdown process starts. The power is shut off. The VIDEO SCALER LED starts flashing. To restore the previous status, turn the unit back on.
(5)	OVERHEAT	If abnormality temperature is detected in the power supply B REG circuit, the unit power off immediately, and the ICE Blue LED starts flashing. To restore the previous status, turn the unit back on.
(6)	Failure in the power supply B REG circuit	If abnormality voltage is detected in the power supply B REG circuit, the unit power off immediately, and the MCACC LED starts flashing. To restore the previous status, follow the procedure described in "How to Enter Release Mode" below then turn the unit back on. If the unit shuts off again, the AMP block may be in failure.
(7)	12V TRG ERR	The 12V trigger circuit is short-circuited, and a overcurrent is generated.
(8)	USB ERROR1	The connected USB device is overload.
(9)	HDCP ERROR	The monitor does not support HDCP type or is in standby mode.
(10)	NOT SUPPORT	When an input analog signal is converted and output as an HDMI signal (via the scaler), the output signal is of a resolution not supported by the connected monitor.
(11)	HDMI NG	There is no response from the HDMI microcomputer.
(12)	DSP NG	There is no response from the DSP microcomputer.

[How to Enter Release Mode]

During Standby mode, simultaneously press and hold the " ↓ (DOWN)" and "ZONE2 ON/OFF" keys for 2 seconds.

6. SERVICE MODE

6.1 TEST MODE

The Service mode has three functional blocks (VERSION block, PROTECT block and DOWNLOAD block).

[1] How to Enter The Service Mode

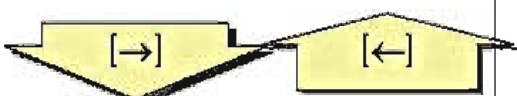
- 1. Turn off MULTI-ZONE. Lower MASTER VOLUME to the minimum (---dB) and turn off the power.
- 2. After the power-off, press and hold down both the "ENTER" key and the "MULTI-ZONE ON/OFF" key for approximately five seconds.

[2] How to Exit The Service Mode

Turning off the power or pressing the RETURN key returns to the normal mode.

[3] Mode Transition Methods For Each of The VERSION Block, PROTECT Block and DOWNLOAD Block

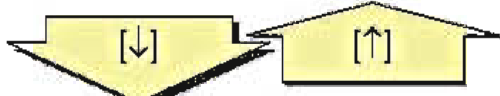
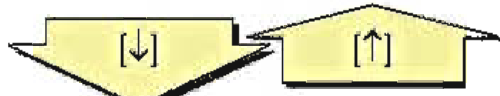
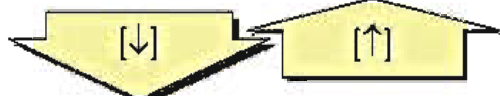
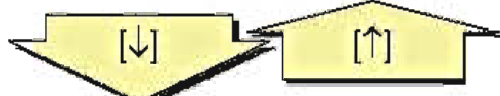
*If no key is pressed within 10 seconds, the Service mode returns to the normal mode.

Key operation	FL display
VERSION block 1/4 Display MAIN / EVENT microcomputer. 	M 1 . 0 0 0 E 1 . 0 0 0
PROTECT block 1/11 Display number of times DC is detected. 	DC : 0 0 0
DOWNLOAD block 1/7 Display MAIN computer DOWNLOAD. 	MAIN DL [START]
Return to VERSION block 1/3.	

1) VERSION block

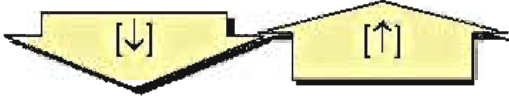
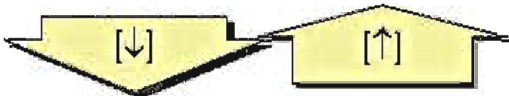
This block displays version information of various microcomputers and DSP firmware.

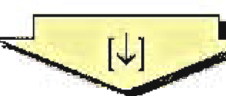
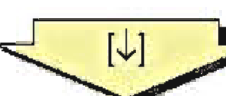
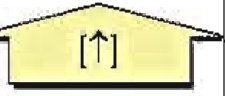
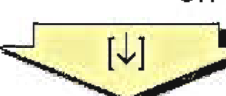
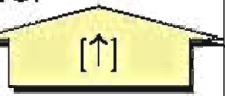
*If no key is pressed within 10 seconds, the Service mode returns to the normal mode.

Key operation	FL display	Explanation on displayed versions
Test mode ON 		
VERSION block 1/4 MAIN/EVENT microcomputer 	M1 . 000 E1 . 000	M * , *** : MAIN microcomputer E * , *** : EVENT microcomputer
VERSION block 2/4 DISPLAY (EMMA) microcomputer 	D I S P 1 . 000	DISP * , *** : DISPLAY microcomputer
VERSION block 3/4 DSP/HDMI microcomputer 	D1 . 000 H1 . 000	D * , *** : DSP microcomputer H * , *** : HDMI microcomputer
VERSION block 4/4 1stDSP/2ndDSP firmware 	f 1 . 000 s1 . 000	f * , *** : 1st DSP firmware s * , *** : 2nd DSP firmware
To PROTECT block		

2) PROTECT block

This block displays number of times protection processing is detected.
*If no key is pressed within 10 seconds, the Service mode returns to the normal mode.

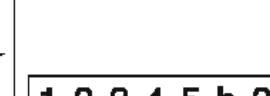
Key operation	FL display
PROTECT block 1/11 Display number of times DC is detected.	DC : 000
	
PROTECT block 2/11 Display number of times OVERLOAD is detected.	OVER : 010
	
PROTECT block 3/11 Display number of times COMBINATION is detected. (Detects DC and OVERLOAD simultaneously)	CON : 002
	
PROTECT block 4/11 Displays number of times FAN error is detected.	FAN : 002
	
PROTECT block 5/11 Display number of times overheat is detected.	TEMP1 : 255
	
PROTECT block 6/11 Display number of times abnormal temperature is detected.	TEMP2 : 255
	
PROTECT block 7/11 Displays number of times abnormal temperature at PowerAmp supply is detected.	BTMP : 126
	
PROTECT block 8/11 Display number of times defect at PowerAmp supply is detected.	BERR : 125
	

Key operation	FL display
PROTECT block 9/11 Resetting the number of times error is detected  	RESET ◀ HOLD ▶
PROTECT block 10/11 Display accumulated time & RESET.  	1 2 3 4 5 h 2 0 m ◀ HLD ▶
PROTECT block 11/11 The Timer of Exception "Set Stream Path" command on CEC.  	EX . SSP ◀ 1 5 0 0 m s ▶
To DOWNLOAD block	

Resetting the number of times error is detected

Key operation	FL display
 	RESET ◀ CLEAR? ▶
	RESET [RESET]
To normal mode	

Resetting the accumulated time

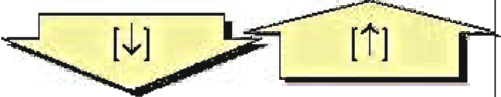
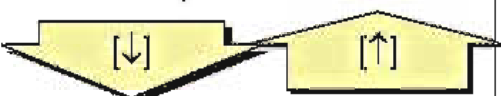
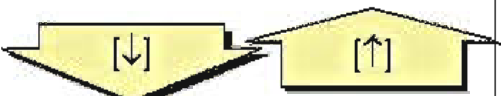
Key operation	FL display
 	1 2 3 4 5 h 2 0 m ◀ CL ? ▶
	0 h 0 m ◀ RST ▶
To normal mode	

Setting of the Timer of Exception "Set Stream Path" command on CEC.

Key operation	FL display
 	EX . SSP ◀ 6 0 0 m s ▶
To normal mode	

3) DOWNLOAD block

This block enters the rewriting mode of various microcomputers and DSP firmware.

Key operation	FL display
DOWNLOAD block 1/7 MAIN computer DOWNLOAD 	MAIN DL[START]
DOWNLOAD block 2/7 EVENT computer DOWNLOAD 	EVNT DL[START]
DOWNLOAD block 3/7 DISP computer DOWNLOAD 	DISP DL[START]
DOWNLOAD block 4/7 DSP computer DOWNLOAD 	DSPM DL[START]
DOWNLOAD block 5/7 HDMI computer DOWNLOAD 	HDMI DL[START]
DOWNLOAD block 6/7 1stDSP FIRM DOWNLOAD 	DSP1 DL[START]
DOWNLOAD block 7/7 2ndDSP FIRM DOWNLOAD  To VERSION block	DSP2 DL[START]

7. DISASSEMBLY

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.

Note 2: For performing the diagnosis shown below, the following jigs for service is required:

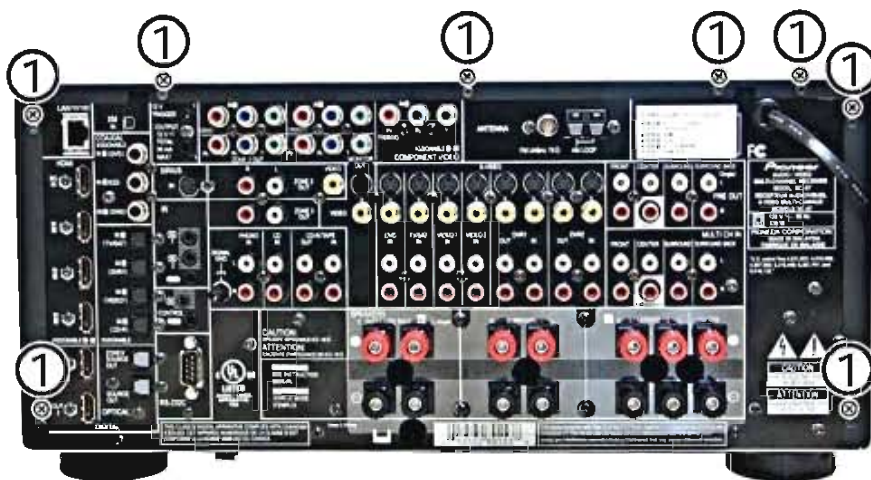
- 27P FFC (GGD1588)
- 19P FFC (GGD1589) x2
- 21P FFC (GGD1590)
- 16P FFC (GGD1591)
- 30P+13P board to board extension jig cable (GGD1592)
- 17P+19P board to board extension jig cable (GGD1593)
- 5P PH HOUSING ASSY (GGD1594) x3

Note 3: Before starting the diagnosis, wait for three minutes until the electricity of the unit is discharged.

1. Disassembly

1 Bonnet

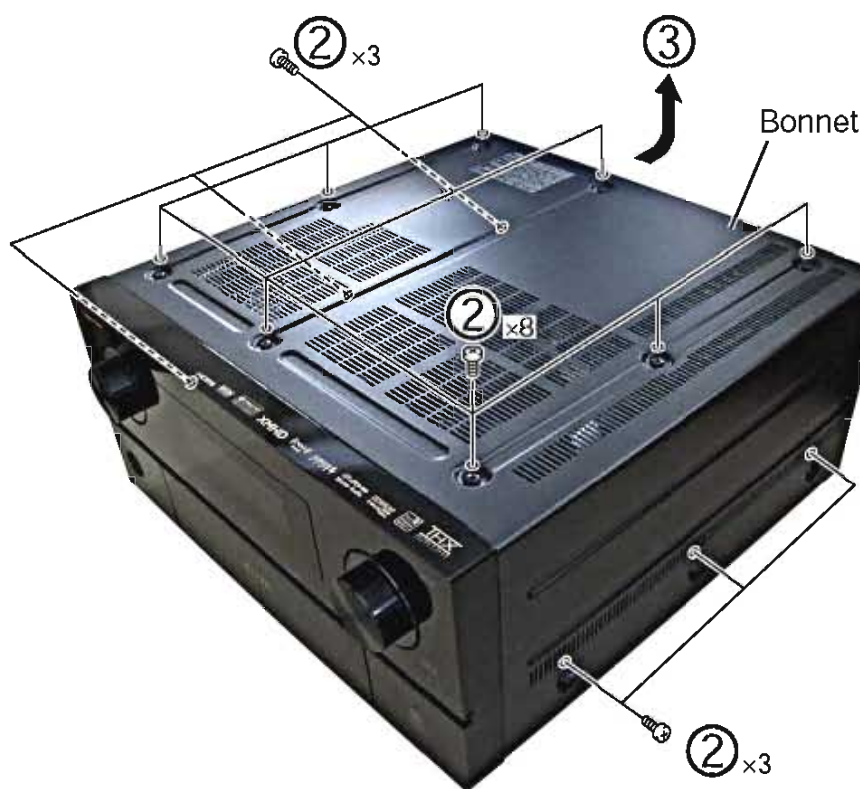
① Remove the eight screws.



● Rear view

② Remove the fourteen screws.

③ Remove the Bonnet.



2 Rear Panel

① Remove the two screws.

② Remove the Center Beam V1.

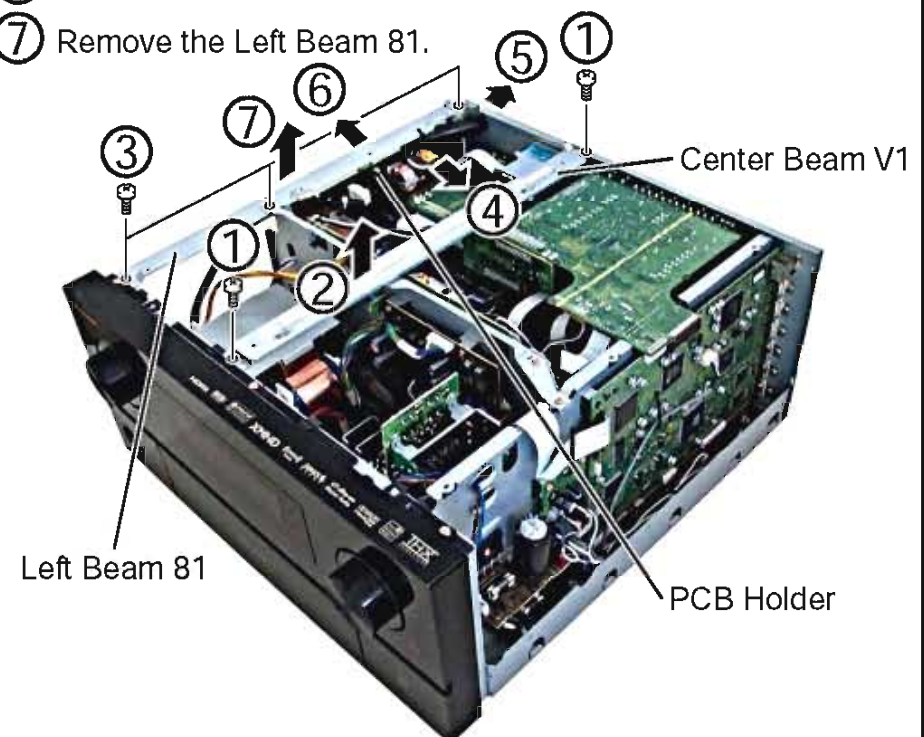
③ Remove the three screws.

④ Disconnect the one connector.

⑤ Remove the Cord Stopper.

⑥ Remove the PCB Holder from the Left Beam 81.

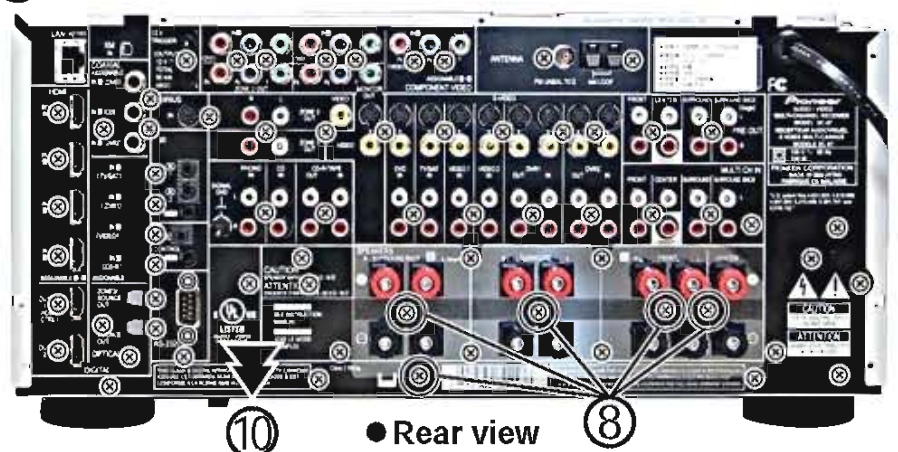
⑦ Remove the Left Beam 81.



⑧ Remove the five Cushion circle 14B.

⑨ Remove the 69 screws.

⑩ Remove the Rear Panel.

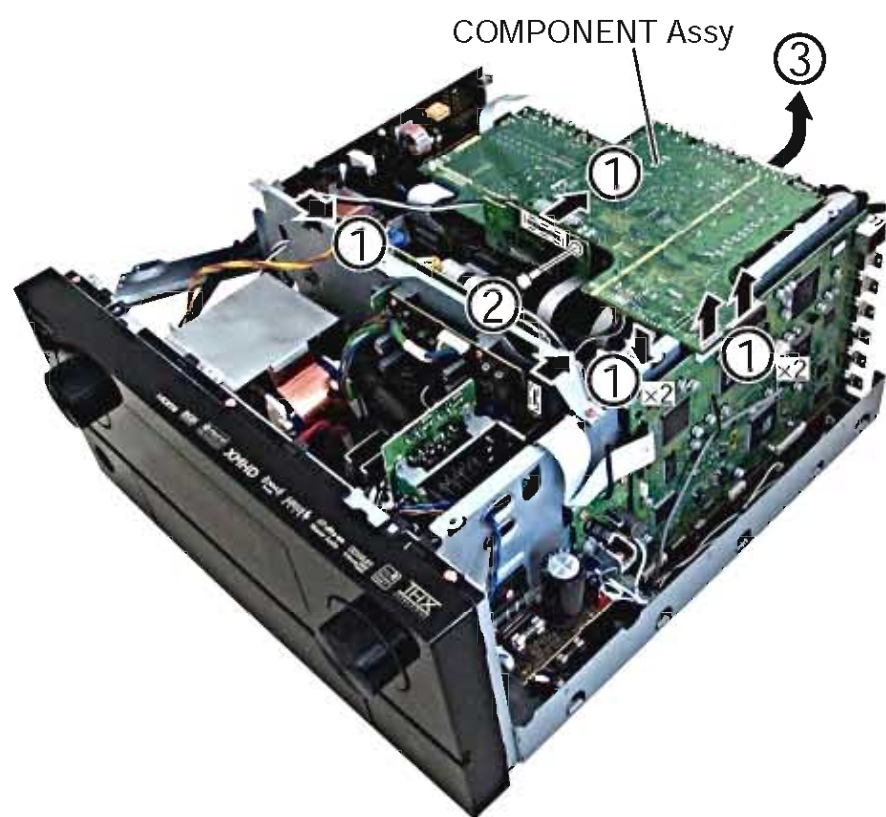


● Rear view

3 PCB Assys and ICE

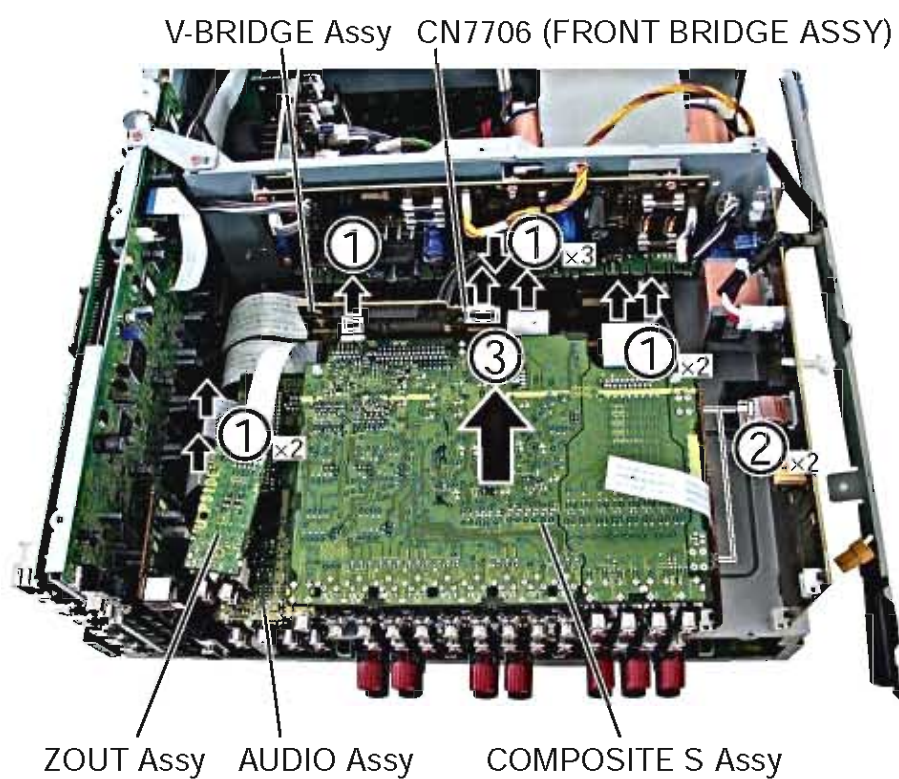
• COMPONENT Assy

- ① Disconnect the one flexible cable and five connectors.
- ② Remove the one Push Rivet.
- ③ Remove the COMPONENT Assy.



• AUDIO Assy, COMPOSITE S Assy, V-BRIDGE Assy and ZOUT Assy

- ① Disconnect the six flexible cables and two connector.
- ② Remove the two Push Rivets.
- ③ Remove the AUDIO Assy, COMPOSITE S Assy, V-BRIDGE Assy and ZOUT Assy.

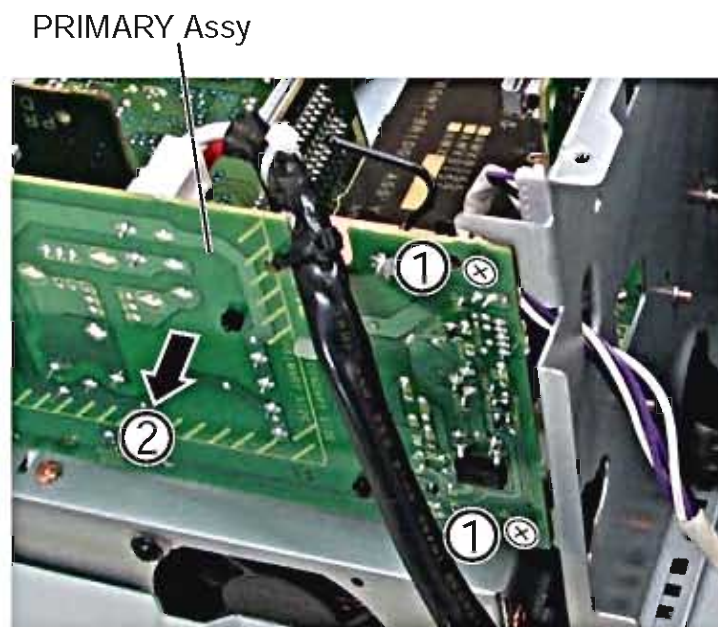


• Rear view



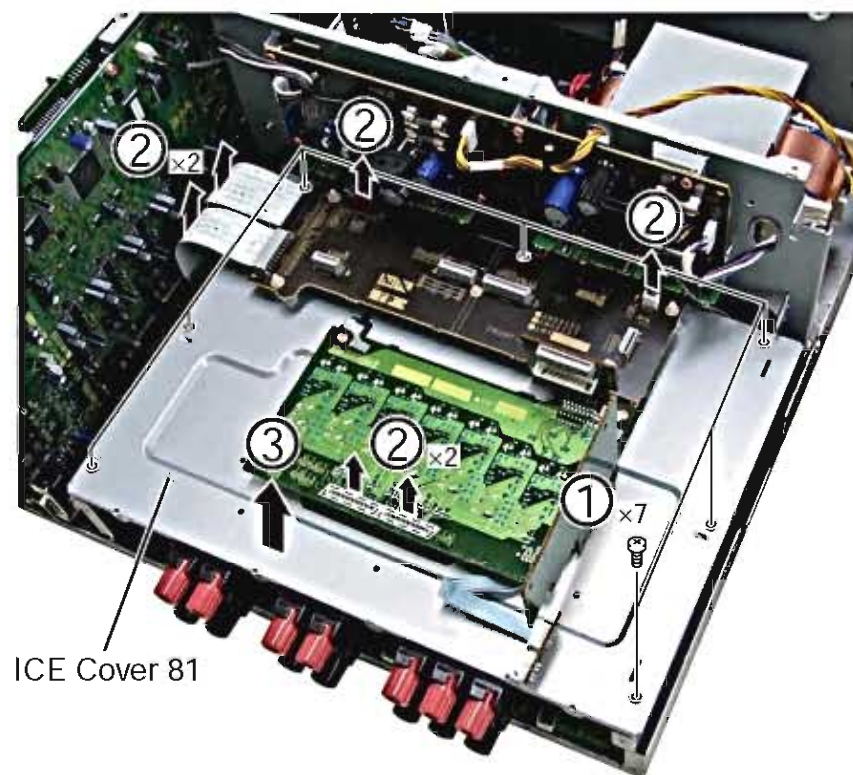
• PRIMARY Assy

- ① Remove the two screws.
- ② Remove the PRIMARY Assy.



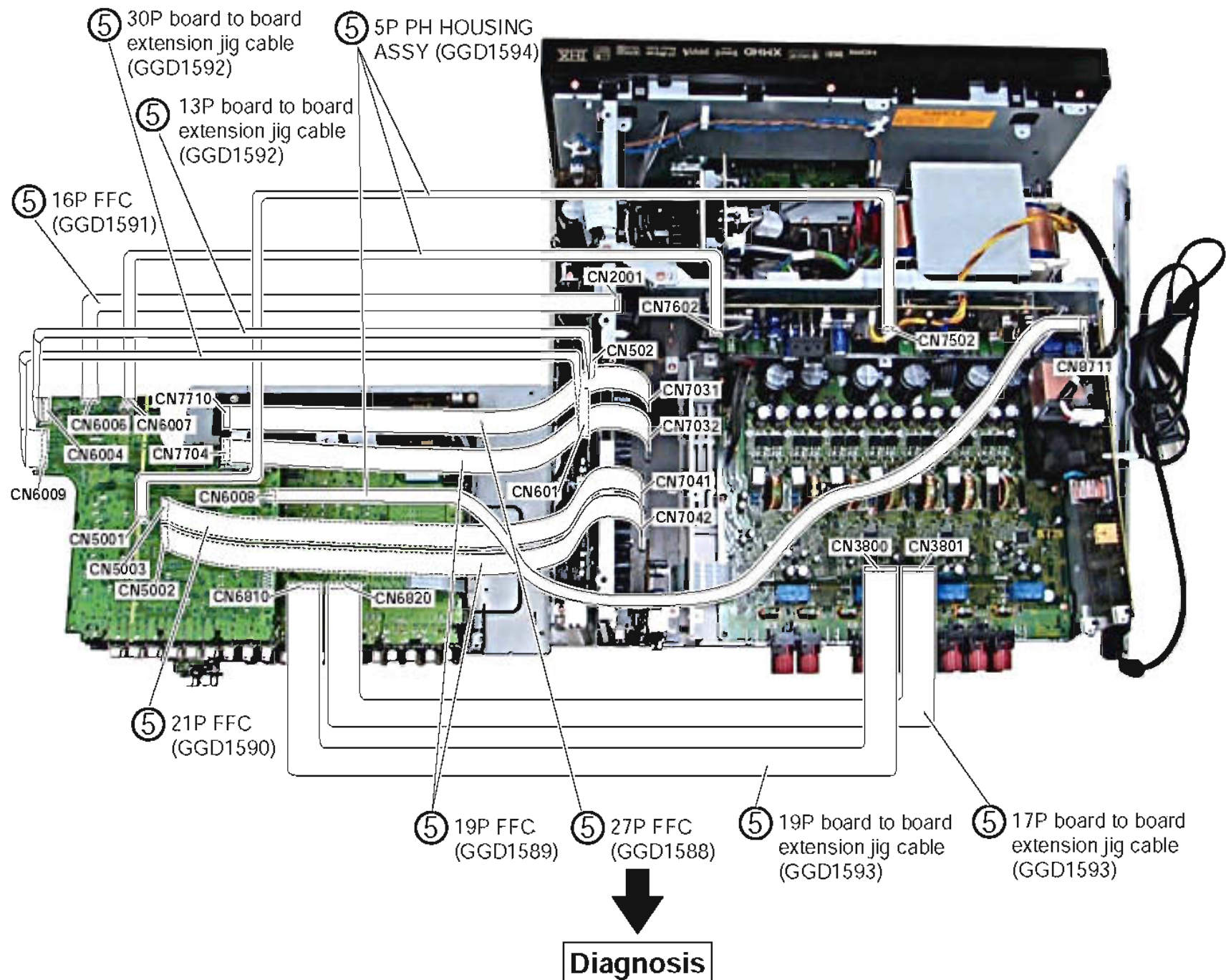
• ICE Cover 81 Section

- ① Remove the seven screws.
- ② Disconnect the two flexible cables and four connectors.
- ③ Remove the ICE Cover 81.

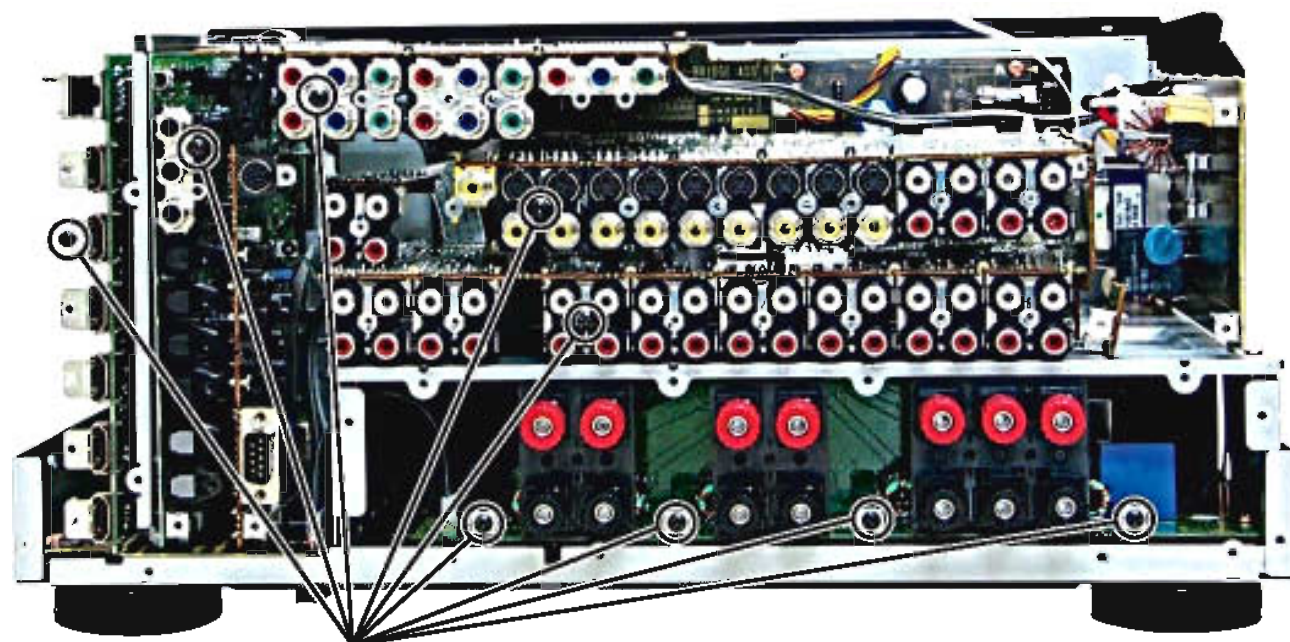


4 Diagnosis

- ① Reassembling the PRIMARY Assy.
- ② Reassembling the AUDIO Assy, COMPOSITE S Assy, V-BRIDGE Assy and ZOUT Assy on the Ice Cover 81.
- ③ Reassembling the COMPONENT Assy on the V-BRIDGE Assy.
- ④ Connect the twelve extension jig cables.
- ⑤ Arrange the unit as shown in the photo below.



Note : As mentioned below, detach the rear panel, re-fasten the screws at the corresponding points, and connect the chassis to the ground.

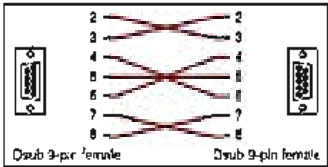


Points to be connected to the chassis

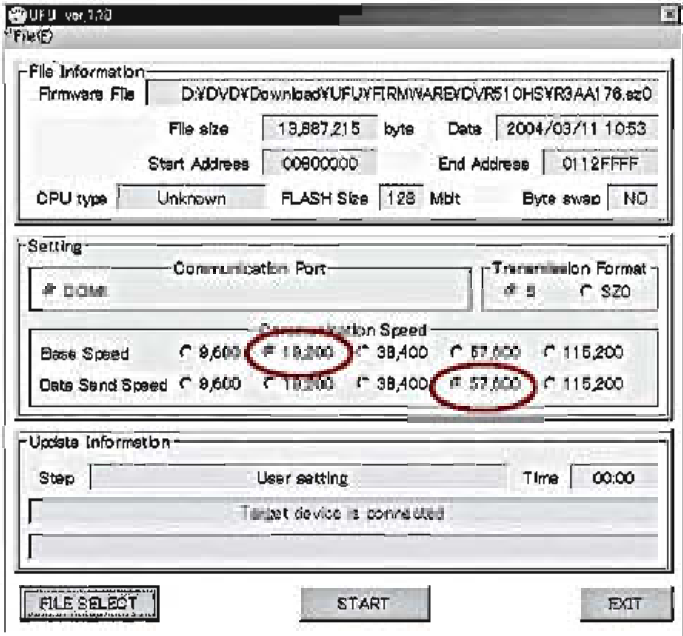
8. EACH SETTING AND ADJUSTMENT

8.1 HOW TO UPDATE FIRMWARE

[1] MAIN, DSP, HDMI, EVENT and DISP Microcomputer

[Purpose] Refer to this section when updating the firmware of each microcomputer is required by the service information, etc.	
[Necessary Tools] • PC with a serial port • RS-232C cable (9-pin to 9-pin, cross)	• Firmware ("mot" extension) (except DISP u-com) ("sz0" extension) (for DISP u-com) • Program for updating (ufu.exe: ver. 1.08) (except DISP u-com) (ufu.exe: ver. 1.10) (for DISP u-com)
[Connections] Connect as indicated in the figure right: (MAIN microcomputer) (EVENT microcomputer) (HDMI microcomputer) (DSP microcomputer) (DISP microcomputer)	PC This unit RS-232C cross cable (9-pin to 9-pin) Pin-out diagram of RS-232C cross cable 
[Note] Do NOT disconnect the AC power cords of this unit nor the PC.	

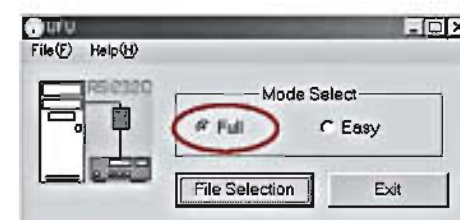
1) HDMI, MAIN, DSP and EVENT microcomputer

[Procedures] 1. Turn off the power to this unit by setting the main volume level to "---dB" and Multi-Zone to "OFF". 2. Connect the 232C cross cable and the PC, as indicated in "Connections". 3. Simultaneously press and hold the ENTER and MULTI-ZONE ON/OFF keys for about 5 seconds. 4. Turn the power ON at CONFIDENTIAL PANEL mode. 5. (MAIN microcomputer) Press ↓ key and select "MAIN DL [START]" display. Press ENTER key and set to "MAIN DL [GO ON]". (EVENT microcomputer) Press ↓ key and select "EVENT DL [START]" display. Press ENTER key and set to "EVENT DL [GO ON]". (DSP microcomputer) Press ↓ key and select "DSPM DL [START]" display. Press ENTER key and set to "DSPM DL [GO ON]". (HDMI microcomputer) Press ↓ key and select "HDMI DL [START]" display. Press ENTER key and set to "HDMI DL [GO ON]". 6. Double-click on "ufu.exe: ver.1.08". 7. Check that "Full" is selected in MODE SELECT. 8. Select the firm ware file with "mot" extension. 9. Select the communication speed. • Basic speed: 19200 • Data transfer speed: 57600 10. Click on "START" button. 11. "Completed" is displayed in the "ufu.exe" window. 12. Please retry it from 2 when it doesn't so well. 13. Turn off the unit and end the ufu.exe.	Disconnect the AC power cord of the unit and the RS-232C cable. 14. Clear the memories. 1) Connect the AC power cord of the unit 2) Press "SETUP" button and "POWER" button. 3) Then the receiver is turned on and displays "RESET[NO]". 4) Push "→" key and displays "RESET [RESET]" 5) Then push "ENTER" key and displays "RESET? [OK]". 6) Push "ENTER" key and often a while "OK" is displayed. 15. Check the version. Following the procedures described in "Version indication" in "6.1 TEST MODE", check that the version has been changed to a new one.
	 Check that "Full" is selected in MODE SELECT.  Select the communication speed. • Basic speed: 19200 • Data transfer speed: 57600

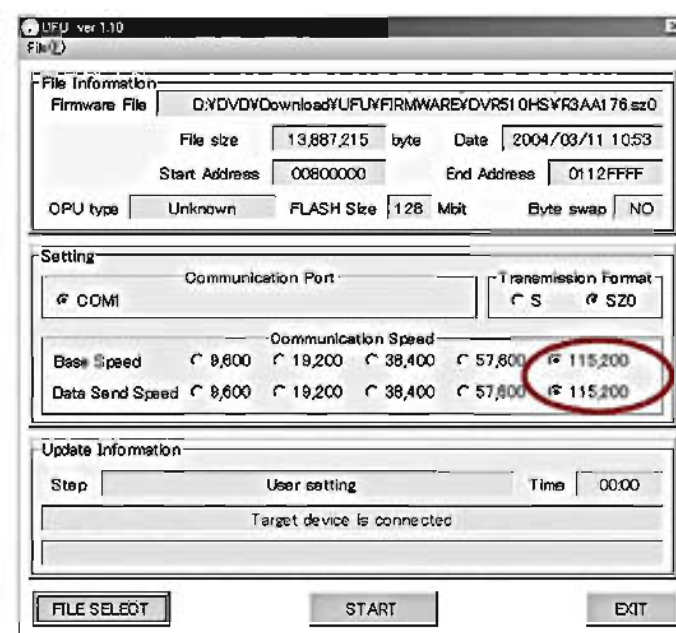
2) DISP microcomputer

[Procedures]

1. Turn off the power to this unit by setting the main volume level to "---dB" and Multi-Zone to "OFF".
2. Connect the 232C cross cable and the PC, as indicated in "Connections".
3. Simultaneously press and hold the ENTER and MULTI-ZONE ON/OFF keys for about 5 seconds.
4. Turn the power ON at CONFIDENTIAL PANEL mode.
5. (DISP microcomputer)
Press ↓ key and select "DISP DL [START]" display.
Press ENTER key and set to "DISP DL [GO ON]".
6. Double-click on "ufu.exe: ver.1.10".
7. Check that "Full" is selected in MODE SELECT.
8. Select the firm ware file with "sz0" extension.
9. Select the communication speed.
 - Basic speed: 115200
 - Data transfer speed: 115200
10. Click on "START" button.
11. "Completed" is displayed in the "ufu.exe" window.
12. Please retry it from 2 when it doesn't so well.
13. Turn off the unit and end the ufu.exe.
Disconnect the AC power cord of the unit.
and the RS-232C cable.
14. Clear the memories.
 - 1) Connect the AC power cord of the unit
 - 2) Press "SETUP" button and "POWER" button.
 - 3) Then the receiver is turned on and displays "RESET [NO]".
 - 4) Push "→" key and displays "RESET [RESET]"
 - 5) Then push "ENTER" key and displays "RESET? [OK]".
 - 6) Push "ENTER" key and often a while "OK" is displayed.
15. Check the version.
Following the procedures described in
"Version indication" in "6.1 TEST MODE",
check that the version has been changed to a new one.



Check that "Full" is selected in MODE SELECT.



Select the communication speed.

- Basic speed: 115200
- Data transfer speed: 115200

[3] DSP Flash Rom Update by USB Memory

[Preparations]

1. Copy the DSP Firmware for update to the USB MEMORY in advance.
 - * One file for DSP1 and DSP2
 - * Unable to update by the program except for 08 Mid receiver.
2. Connect the MONITOR OUT of this unit to DISPLAY.
3. Turn off the power to this unit by setting the main volume level to "--dB" and Multi-Zone to "OFF".
4. Connect the USB MEMORY to the iPod DIRECT USB terminal of this unit.

[Procedure]

1. Simultaneously press and hold POWER and RETURN keys for about 5 seconds.
2. The DSP firmware version is displayed automatically.
Confirm the Version before the update.
"f[*.*.*] s[*.*.*]" is displayed on the FL display. (A)
f: DSP1 firmware
s: DSP2 firmware
3. Select the "USB" on the monitor TV. (B)
4. Select the file for Firmware update. (C)
5. The updating program starts and the HDMI indicator becomes flashing. (D)
6. After about 2 minutes, the HDMI indicator stops flashing and the update is finished.
Confirm "DSPFDL [OK]" is displayed on the FL display. (E)
7. Turn off the unit and disconnect the USB MEMORY.

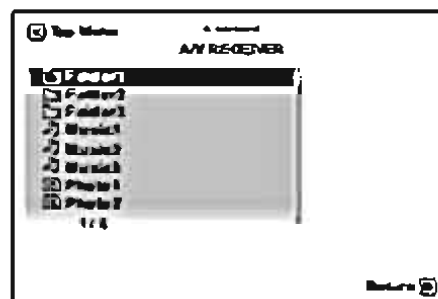
(A)



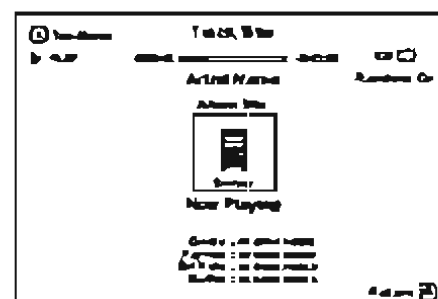
(B)



(C)



(D)



(E)



[Confirmation]

1. Simultaneously press and hold POWER and RETURN keys for about 5 seconds.
2. The DSP firmware version is displayed automatically.
Confirm the Version after the update. (F)

(F)



[4] Network Firmware Update Procedure

Note: Please prepare the firmware file in your PC before starting this procedure.

[Procedure]

1. Connect the LAN terminal on the AV receiver to the LAN terminal on PC with a LAN cable (cross or straight).
2. Set the Static IP Address of the PC.

*When using the DHCP router, go to Step 3.

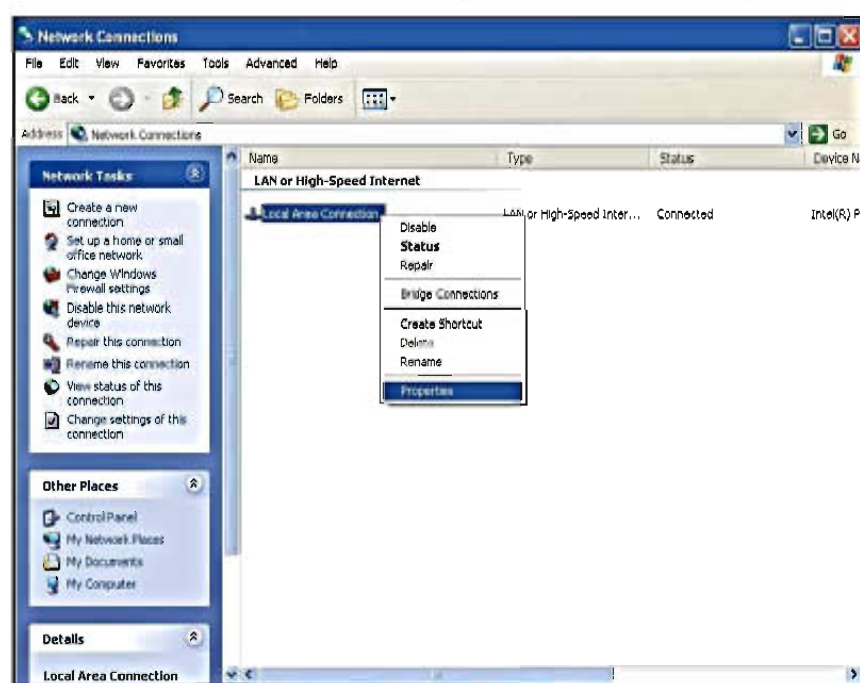
It is not necessary to execute this Step 2 in that case.

Open the Control Panel. --->

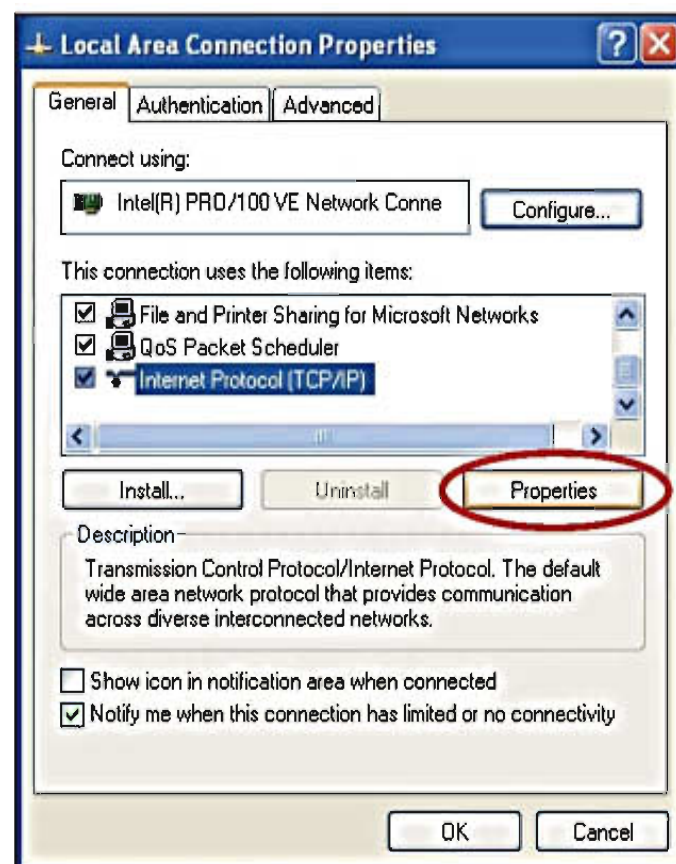
Open the Network Connections (double click).



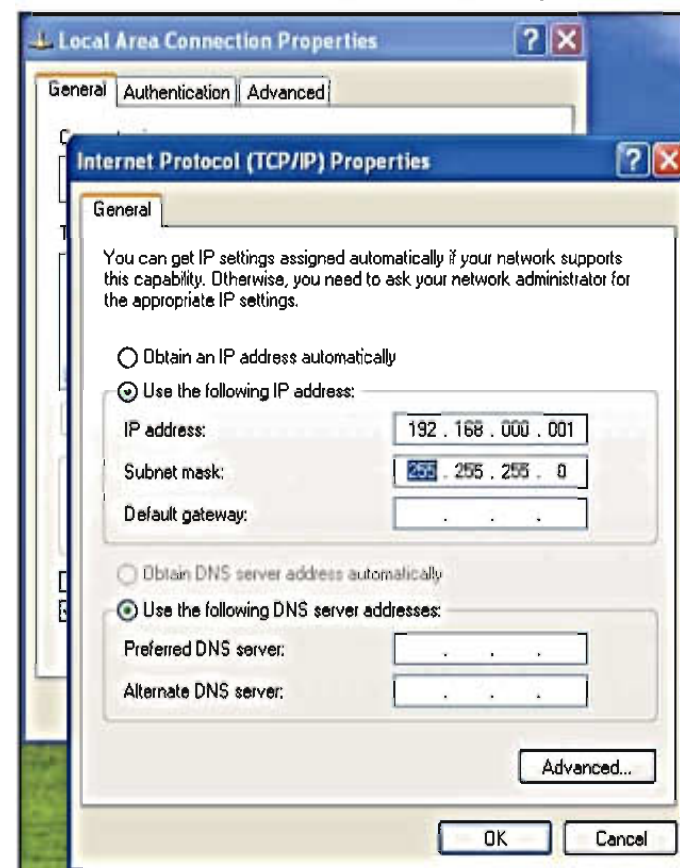
Local Area Connection (right click) ---> Properties



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

3. Set the Static IP Address of the AV receiver.

Note: Please confirm the Network IP settings of the customer's unit before changing the IP Address.
Home Media Gallery ---> Setup ---> NetworkSetup ---> NetworkFound ---> Static IP Address
If using the Static IP Address, please record it.

Home Media Gallery ---> Setup ---> NetworkSetup ---> NetworkFound ---> Static IP Address

Set the following settings.

IP address: 192.168.000.002

Subnet mask: 255.255.255.0

Gateway IP: 192.168.000.001

Proxy Server: No

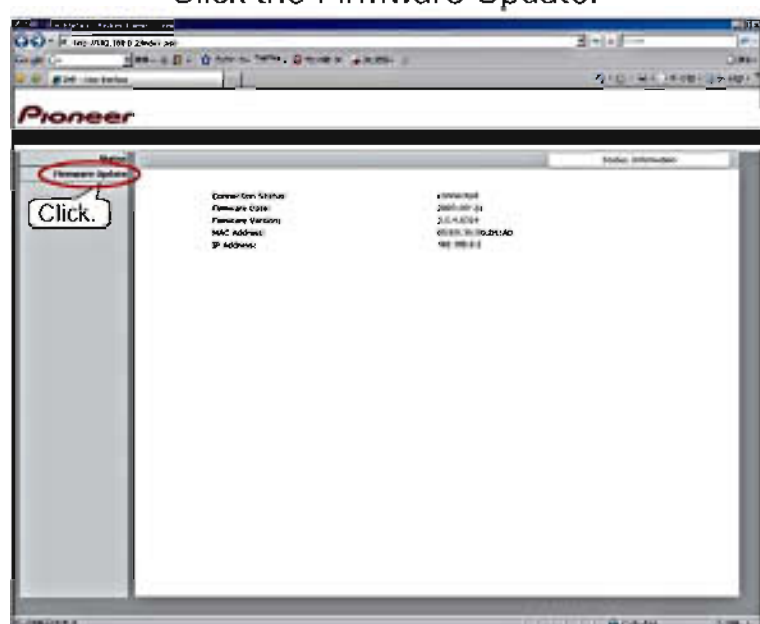
4. Open the Internet Explorer on the PC.

Enter the following address.

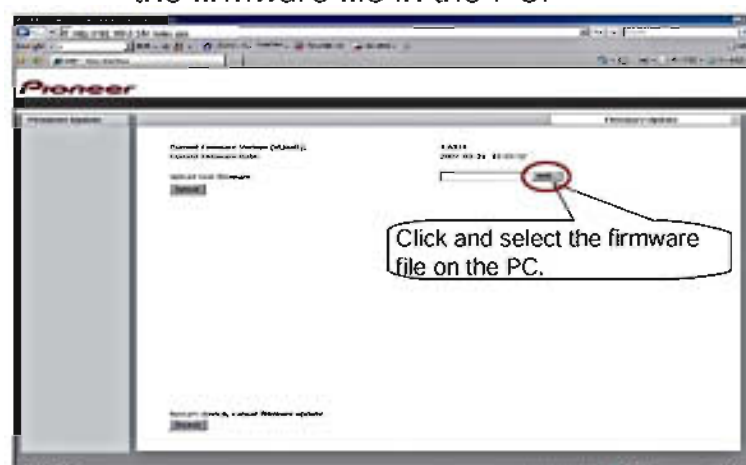
http:// 192.168.000.002

The following page will be appeared.

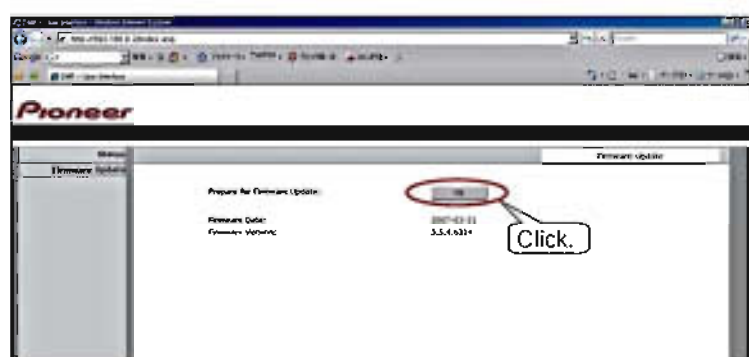
Click the Firmware Update.



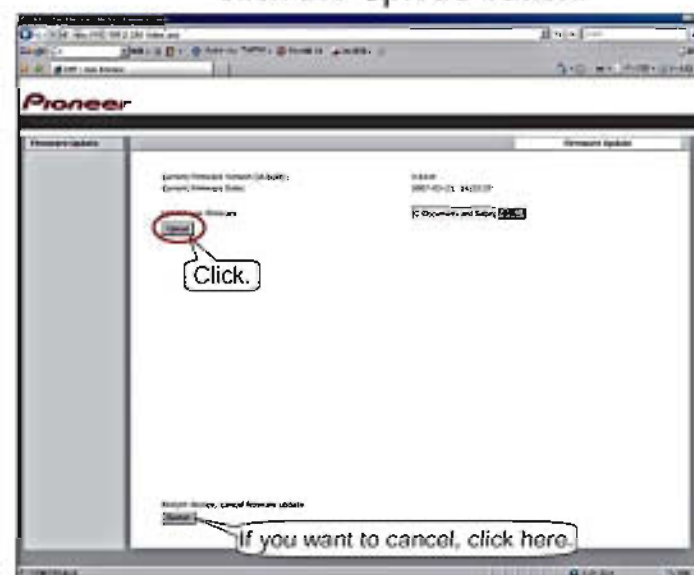
Click the browse button and select the firmware file in the PC.



Click the Ok button.

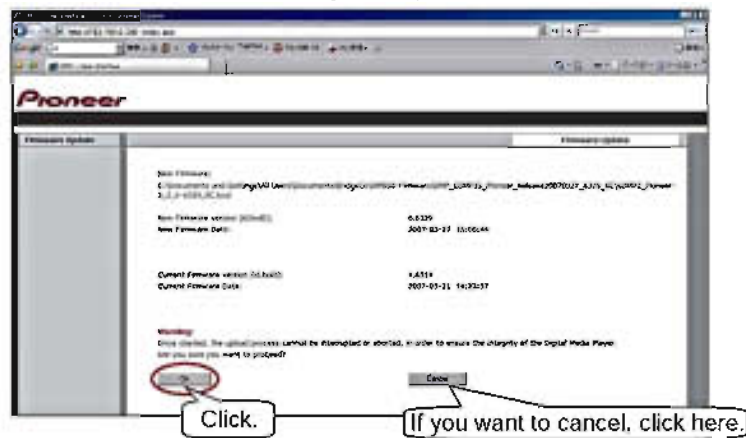


Click the Upload button.





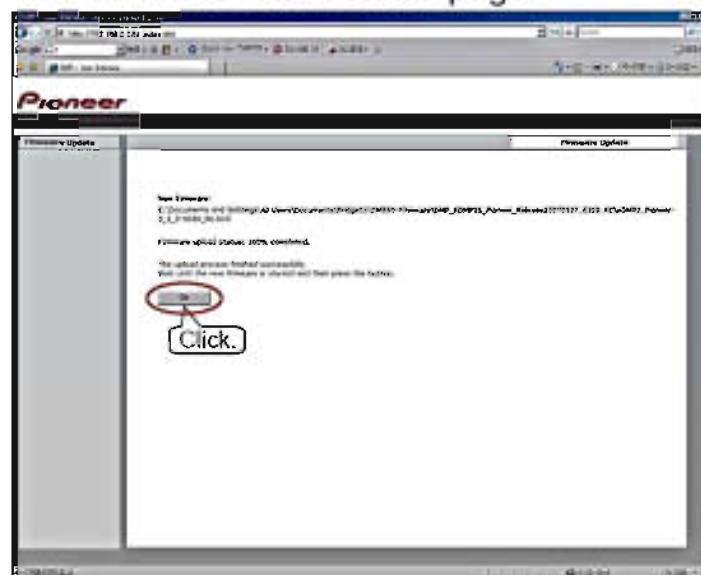
Click the Ok button.



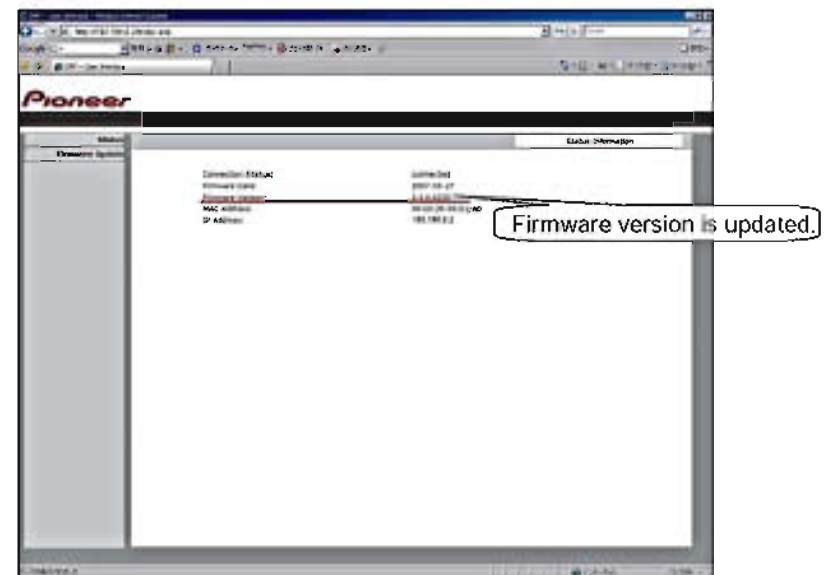
The firmware update will be started.



After the updating is completed, click the Ok button to return status page.



Confirm the Firmware Version.

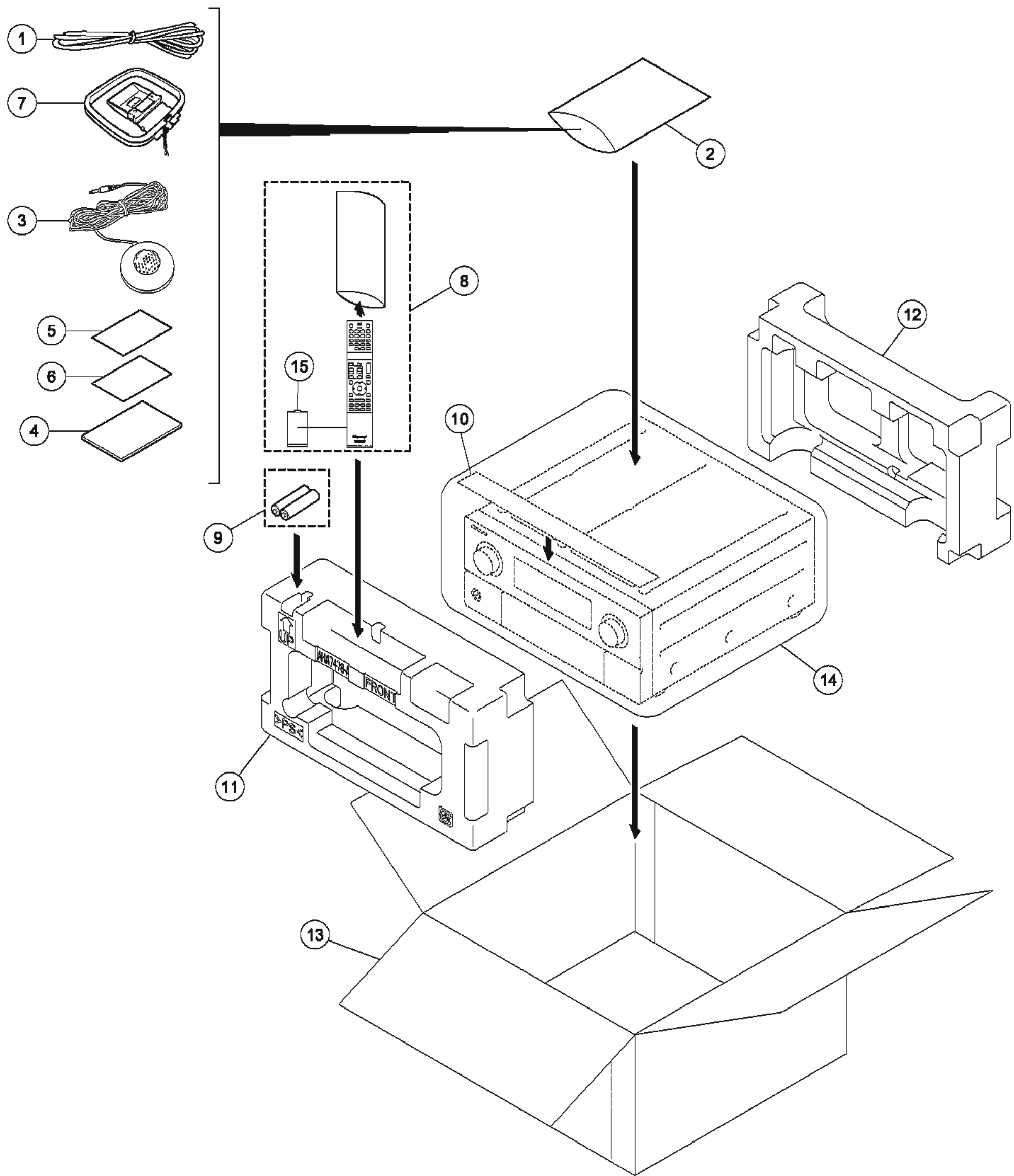


Note: Please restore the Network IP settings of the customer's unit after the update is completed.

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  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 ▼ 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



PACKING SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	FM Wire Antenna	ADH7030
NSP 2	Polyethylene Bag	AHG7117
3	Setup Microphone (for Auto MCACC setup)	APM7008
4	Operating Instructions	ARB7392
5	Caution Sheet SP,E	ARM7056
NSP 6	Warranty Card	ARY7007
7	AM Loop Antenna	ATB7013
8	Remote Control Unit	AXD7520
NSP 9	Dry Cell Battery AA/LR6	VEM1031
10	Protection Sheet LX	AEH7030
11	Front Pad 81	AHA7478
12	Rear Pad 81	AHA7479
13	Packing Case (SC-07/KUXJ/CA)	AHD8601
13	Packing Case (SC-05/KUXJ/CA)	AHD8602
14	Packing Sheet	RHC1023
15	Battery Cover	AZN8031

9.2 EXTERIOR SECTION

- A

:

D-MOTHER

B

:

B-REG

C

:

REG

D

:

REG

E

:

ICE REG

F

:

ICE REG

G

:

INTERFACE

H

:

INTERFACE

I

:

INTERFACE

J

:

INTERFACE

K

:

INTERFACE

L

:

INTERFACE

M

:

D-MOTHER

N

:

HDMI NETWORK

O

:

INTERFACE

P

:

REG

Q

:

D-MOTHER

R

:

INTERFACE
- CN2001

CN7303

CN7502 (RED)

CN7602 (BLUE)

CN7302 (RED)

Refer to "X.X REAR SECTION"

CN7031

CN7032

CN7041

CN7042

CN7051

CN7021

CN2401

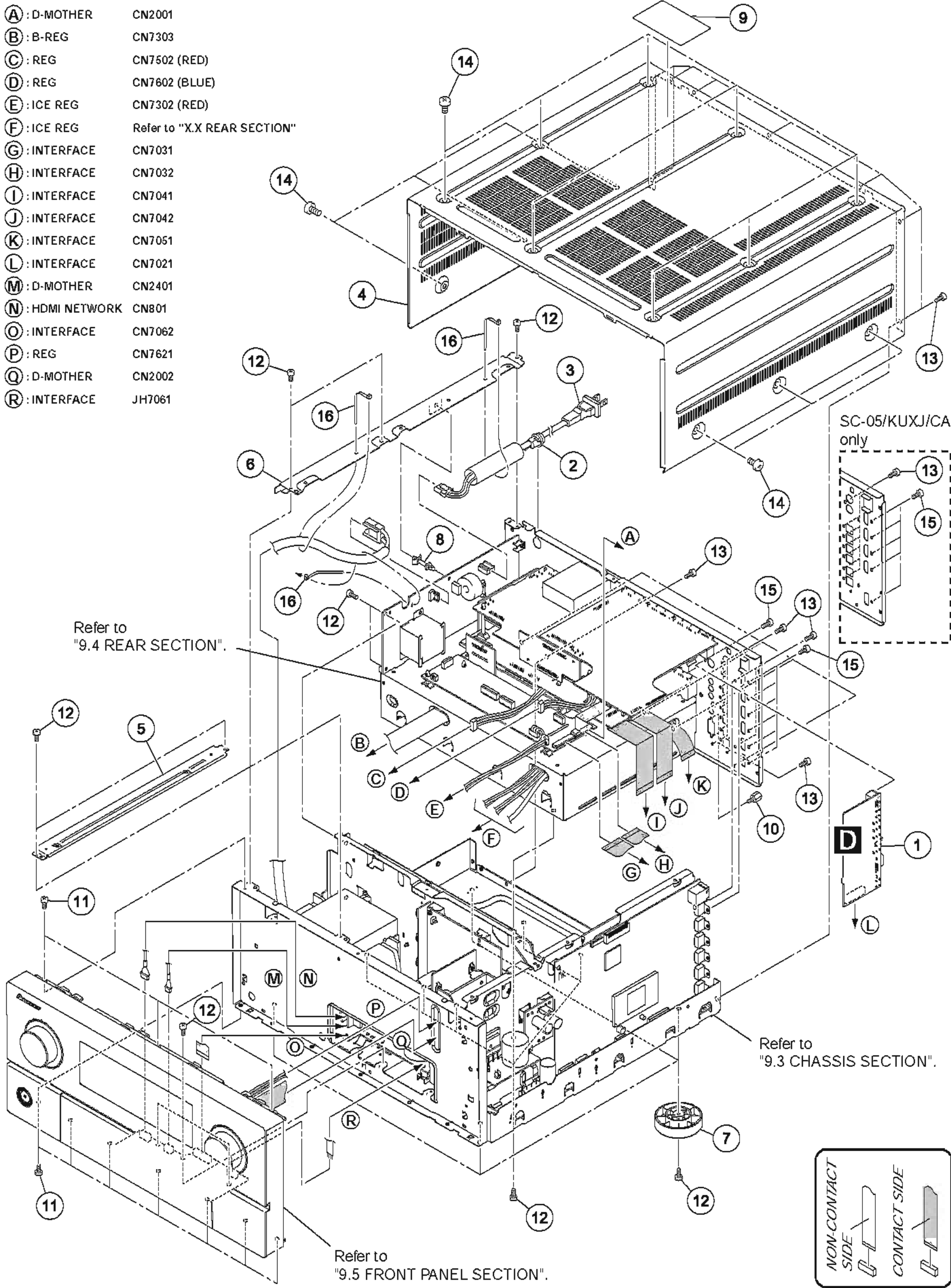
CN801

CN7062

CN7621

CN2002

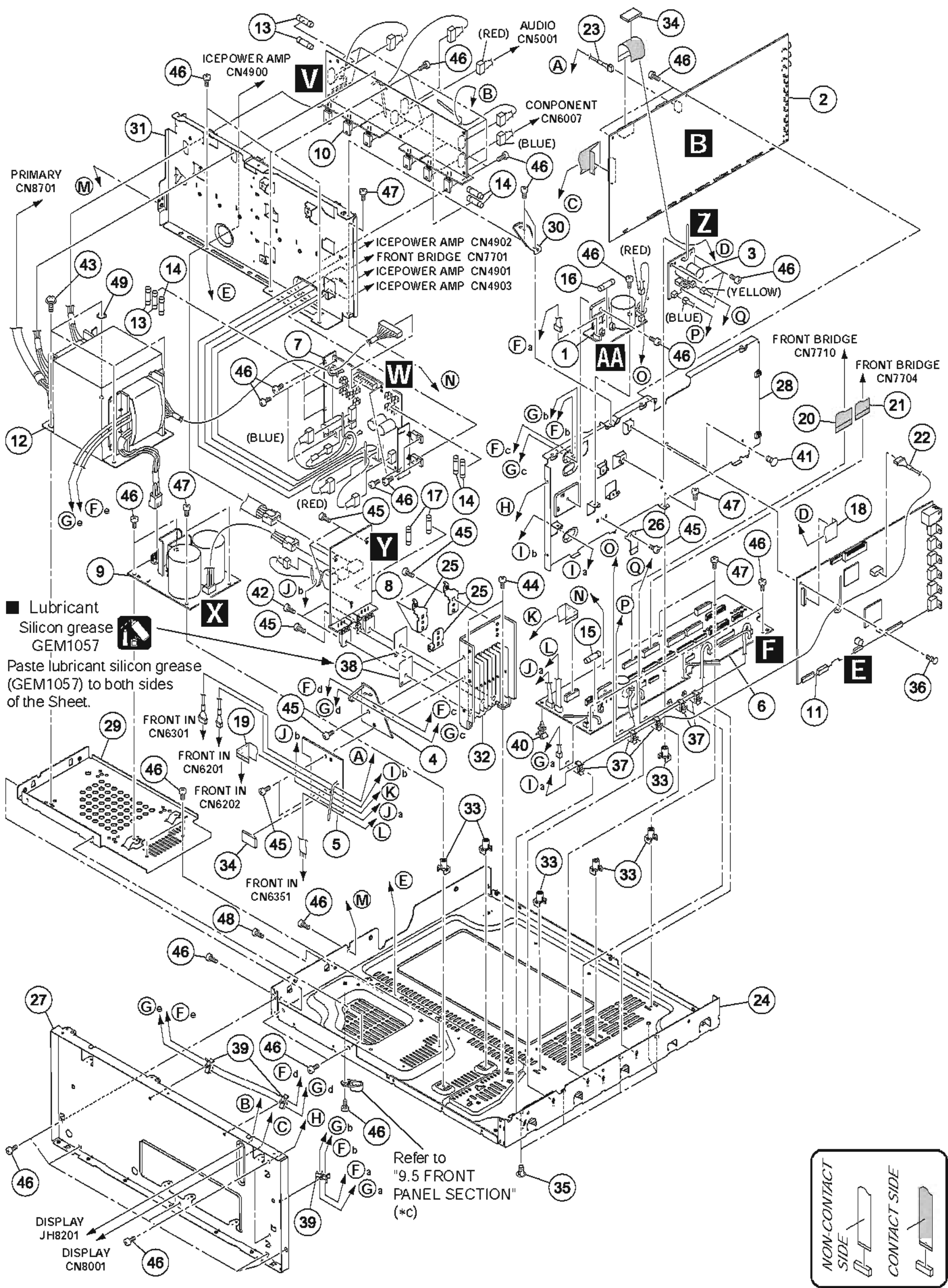
JH7061



EXTERIOR SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	232C & CONTROL ASSY	AWX9140
2	Cord Stopper	CM-22C
⚠ 3	AC Power Cord	VDG1075
4	Bonnet 81B	AZN8036
5	Center Beam V1	ANG7482
6	Left Beam 81	ANG7624
7	Insulator	AMR7198
8	PCB Holder	PNW2562
9	Lisence Label V5S	ARW7372
10	Screw 2.85 x 7	ABA7078
11	Screw	BBT30P080FCC
12	Screw	BBZ30P080FCC
13	Screw	BBZ30P080FTB
14	Screw	BCZ40P060FTB
15	Screw	PMZ30P060FTB
NSP 16	Binder (BK-1)	ZCA-BK1

9.3 CHASSIS SECTION



CHASSIS SECTION PARTS LIST

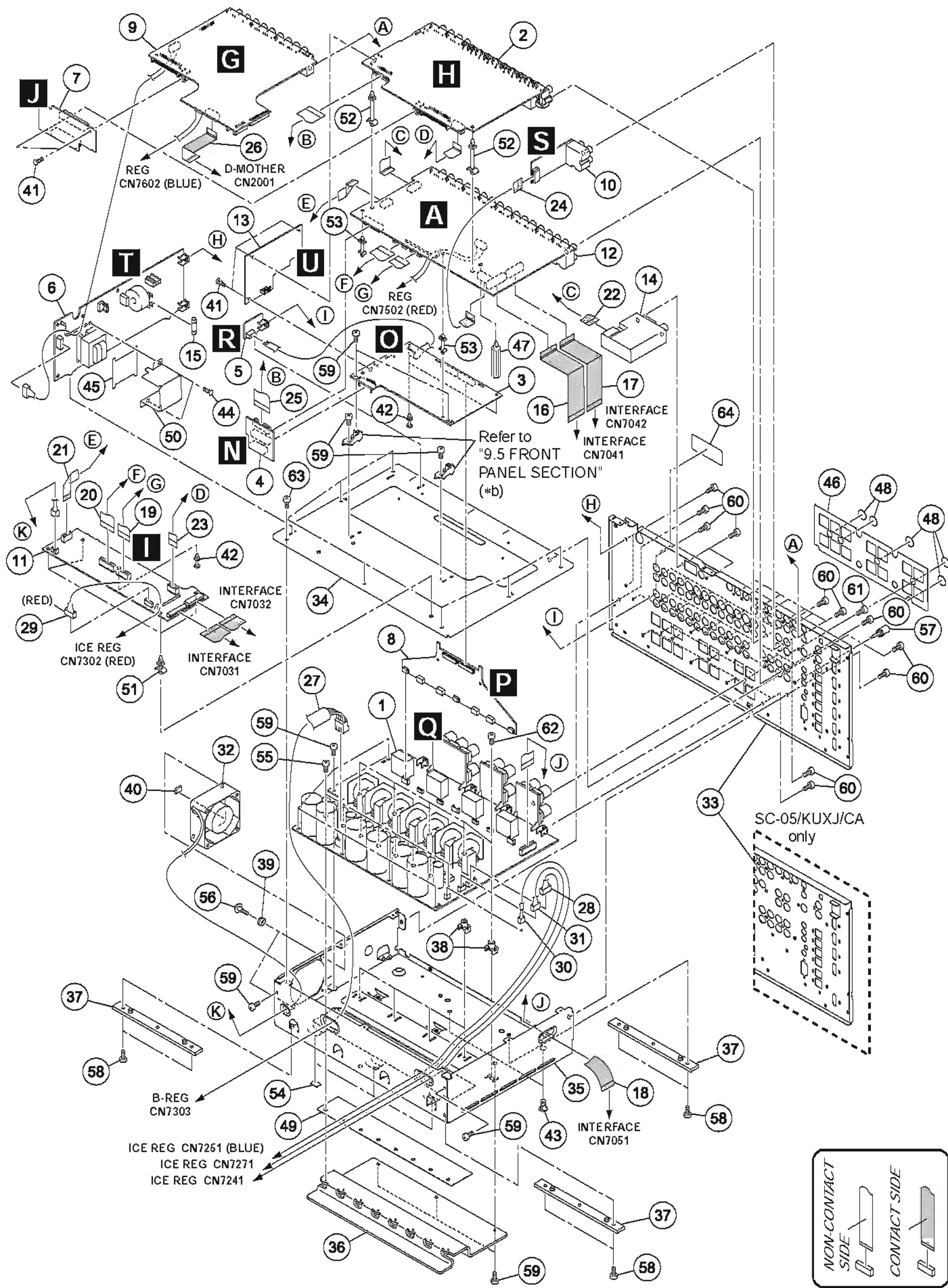
Mark No.	Description	Part No.	Mark No.	Description	Part No.
⚠ 1	HDMI RECT ASSY	AWX9156	NSP 26	Transistor Holder	ANG7543
2	D-MOTHER ASSY	See Contrast table (2)	NSP 27	Panel Stay 81	ANG7619
3	DCDC ASSY	AWX9138	28	DSP Shieled 81	ANG7622
4	H GUARD2 ASSY	AWX9147	29	Trans Flame 81	ANG7623
5	H GUARD1 ASSY	AWX9174	30	Support Plate 81	ANG7625
6	INTERFACE ASSY	AWX9148	31	REG Assy Plate 81	ANG7627
7	ICE REG ASSY	AWX9149	32	REG Heatsink 81	ANH7204
8	B REG ASSY	AWX9150	33	PCB Mold	AMR2533
9	B DIODE ASSY	AWX9171	34	FFC Cushion	AEB7404
10	REG ASSY	AWX9152	35	PCB Holder	AEC7057
11	HDMI NETWORK ASSY	See Contrast table (2)	36	Push Rivet	AEC7071
⚠ 12	Power Transformer (T1501)	ATS7422	37	Reuse Clamp	AEC7621
⚠ 13	FUSE 1A (FU13,FU14,FU21,FU22)	REK1142	38	Sheet	AEE7034
⚠ 14	FUSE 1.25A (FU11,FU12,FU15,FU31,FU32)	REK1143	39	Side Clamp	DEC2007
⚠ 15	FUSE (FU51: 3A)	REK1147	40	Locking Card Spacer	PNW2917
⚠ 16	FUSE (FU41: 4A)	REK1149	NSP 41	PC Support	VEC1749
⚠ 17	FUSE (FU61,FU62: 10A)	REK1154	42	Screw	ABA1052
18	22FFC/60V (J10)	ADD7655	43	Screw 4 x 12	ABA7109
19	15FFC/60V (J13)	ADD7660	44	Screw 3 x 10	ABA7134
20	27P FFC/60V (J15)	ADD7662	45	Screw	BBZ30P060FTC
21	19P FFC/60V (J16)	ADD7663	46	Screw	BBZ30P080FCC
22	5P Shielded Cable (Y19)	ADX7621	47	Screw	BBZ30P180FCC
23	Housing Assy (Y23)	ADX7623	48	Screw	IBP30P090FCC
NSP 24	Under Base 81	ANA7210	49	Washer	WH40FNI
25	PCB Angle 45	ANG7406			

(2) CONTRAST TABLE

SC-07/KUXJ/CA and SC-05/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	SC-07/KUXJ/CA	SC-05/KUXJ/CA
	2	D-MOTHER ASSY	AWX9136	AWX9201
	11	HDMI NETWORK ASSY	AWX9135	AWX9190

9.4 REAR PANEL SECTION



REAR PANEL SECTION PARTS LIST

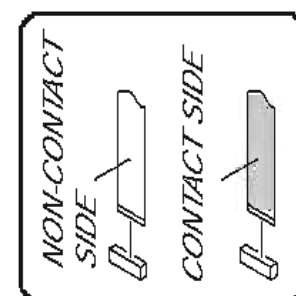
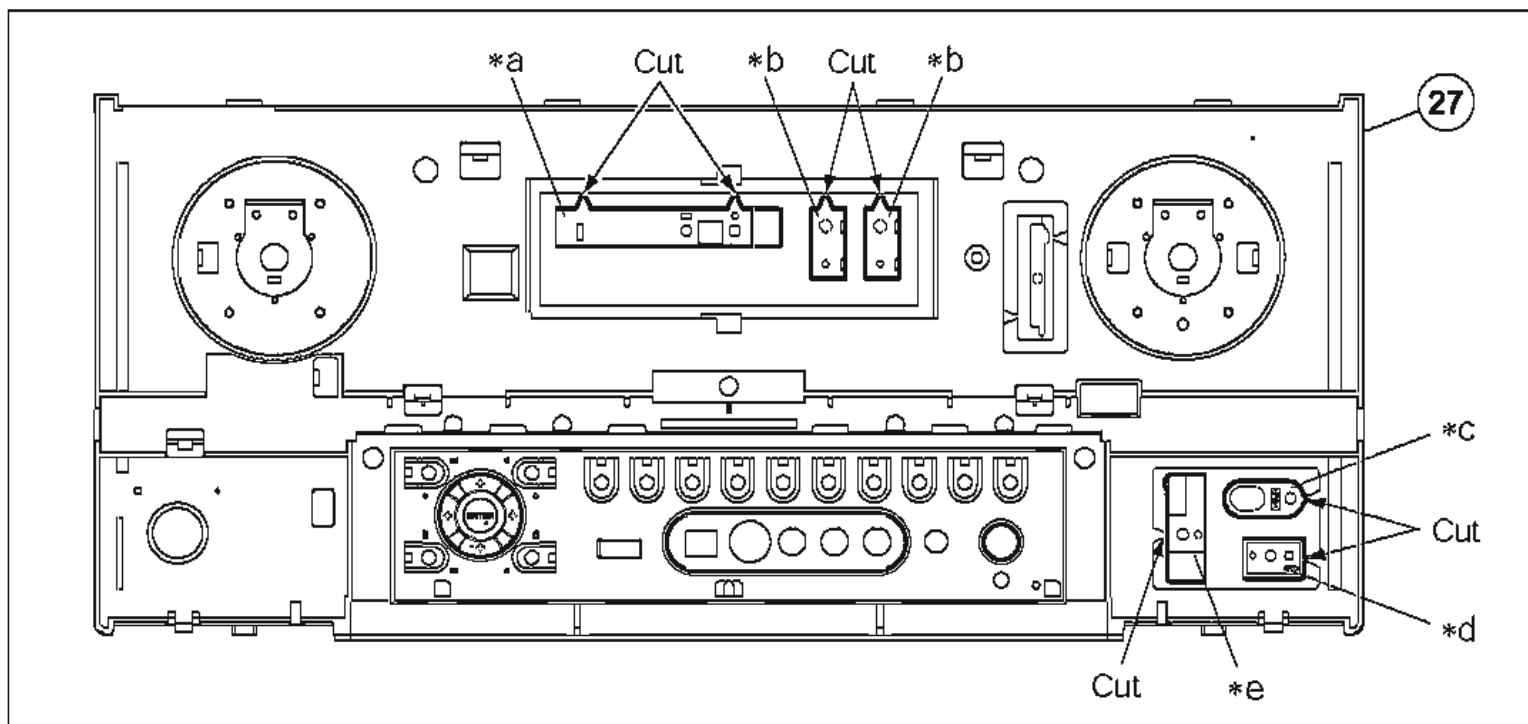
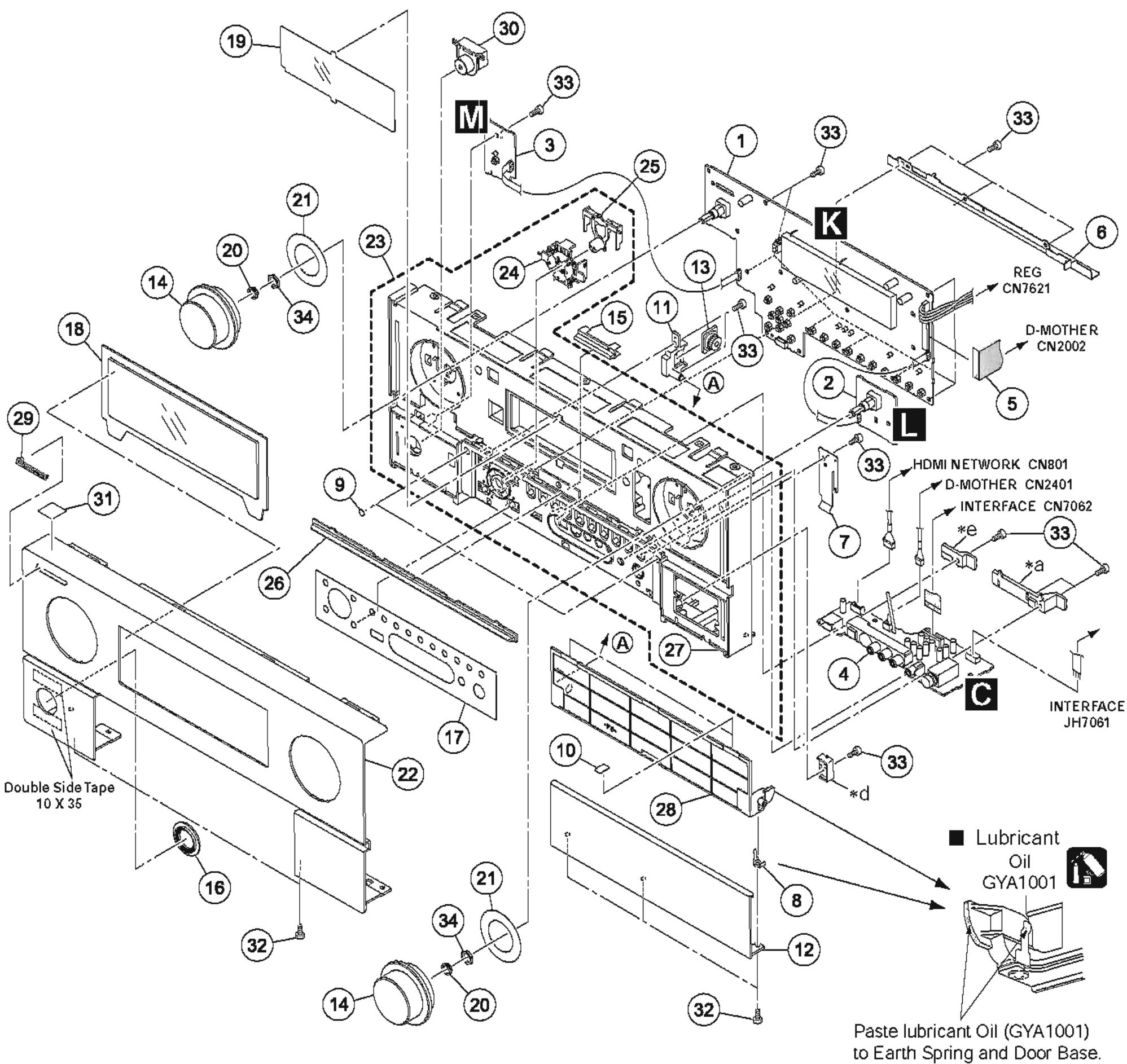
Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	ICEPOWER AMP Assy	AWH7015	NSP 34	ICE COVER 81	ANF7047
2	COMPOSITE S ASSY	AWX9144	NSP 35	ICE BOX 81	ANF7052
3	ICE BUFFER ASSY	AWX9145			
4	PRE BRIDGE ASSY	AWX9146	NSP 36	Heatsink 81	ANH7202
5	ICE SHIELD ASSY	AWX9173	37	Insulator ICE	AMR7523
⚠ 6	PRIMARY ASSY	AWX9154	38	PCB Mold	AMR7536
7	V-BRIDGE ASSY	AWX9161	39	Damper Bushing	AEB7396
8	ICE INTERFACE ASSY	AWX9137	40	Cushion 5 x 8	AEB7397
9	COMPONENT ASSY	See Contrast table (2)	41	Push Rivet	AEC7071
10	ZOUT ASSY	AWX9143	42	PCB Spacer	AEC7080
11	FRONT BRIDGE ASSY	AWX9155	43	Card Spacer	AEC7133
12	AUDIO ASSY	AWX9139	44	Nylon Rivet	AEC7406
13	PRIMARY GUARD ASSY	AWX9172	45	Primary Barrier	AEC7569
14	FM/AM TUNER UNIT	AXX7250	46	SP Sheet 81	AEC7599
⚠ 15	FUSE (FU1:10A)	VEK1029	47	Card Spacer 18K	AEC7613
16	21P FFC/60V (J2)	ADD7645	48	Cushion Circle 14B	AED7081
17	19P FFC/60V (J3)	ADD7646	49	Radiation Sheet A	AEE7064
18	17P FFC/60V (J4)	ADD7647	50	Shield Case	AMR7526
19	13P FFC/60V (J5)	ADD7648	NSP 51	PCB Holder	PNW2100
20	17P FFC/60V (J6)	ADD7649	NSP 52	Spacer 40	PNW2488
21	9P FFC/60V (J7)	ADD7650	NSP 53	PCB Holder	REC1220
22	11P FFC/60V (J8)	ADD7651	54	Cushion 11 x 7	AED7092
23	9P FFC/60V (J9)	ADD7652	55	Screw 3 x 10	ABA7134
24	11FFC/60V (J11)	ADD7658	56	Screw	ABA7146
25	19FFC/60V (J12)	ADD7659	57	Terminal Screw	AKE-031-0
26	16FFC/60V (J14)	ADD7661	58	Screw	BBZ30P060FCC
27	4P Housing Assy (Y20)	ADX7622	59	Screw	BBZ30P080FCC
28	6P Housing Assy (Y22)	ADX7655	60	Screw	BBZ30P080FTB
29	6P Housing Assy (Y23)	ADX7656	61	Screw	BBZ30P100FCC
30	2P Housing Assy (Y24)	ADX7657	62	Screw	BBZ30P140FCC
31	4P Housing Assy (Y25)	ADX7677	63	Screw	PMH30P080FCC
⚠ 32	DC Fan Motor	AXM7040	64	Label	VRW1629
33	Rear Panel	See Contrast table (2)			

(2) CONTRAST TABLE

SC-07/KUXJ/CA and SC-05/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	SC-07/KUXJ/CA	SC-05/KUXJ/CA
	9	COMPONENT ASSY	AWX9141	AWX9211
	33	Rear Panel	ANC8525	ANC8532

9.5 FRONT PANEL SECTION



FRONT PANEL 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	DISPLAY ASSY	See Contrast table (2)	19	Filter 07KU	AAK8443
2	VOL ASSY	AWX9159	20	Vol Ring 60	ABH7249
3	POWER SW ASSY	AWX9160			
4	FRONT IN ASSY	AWX9142	21	Knob Spacer 74	AEC7558
5	29FFC/60V (J18)	ADD7665	22	Front Panel	See Contrast table (2)
			23	P Base 07KU Assy	AZN8037
6	Panel Beam 81	ANG7620	NSP 24	+ -Button 81	AAD7788
7	Door Spring	ABK7061	NSP 25	Enter Button 81	AAD7789
8	Earth Spring 81	ABK7067			
9	Cushion Circle 6B	AED7083	26	Center Lens V5SH	AAK8428
10	Cushion 11 x 7	AED7092	NSP 27	Panel Base 07KU	AMB7987
			28	Door Base 81	AMR7540
11	Door Shaft 60	AMR7531	29	Pioneer Badge G	VAM1159
12	Door Panel 07KU	ANB7474	30	STDBY BTN 915K Assy	XAD3216
13	Damper Assy	AXA7156			
14	Vol.Knob B	AAA7052	NSP 31	Energy Star Label	AAX8022
15	IB Lens V5SEL	AAK8430	32	Screw	BBZ30P080FTB
			33	Screw	BBZ30P100FNI
16	Power Ring B	AAK8431	34	Nut	NK90FTC
17	Door Sheet 07KU	AAK8438			
18	Display Panel 07KU	AAK8441			

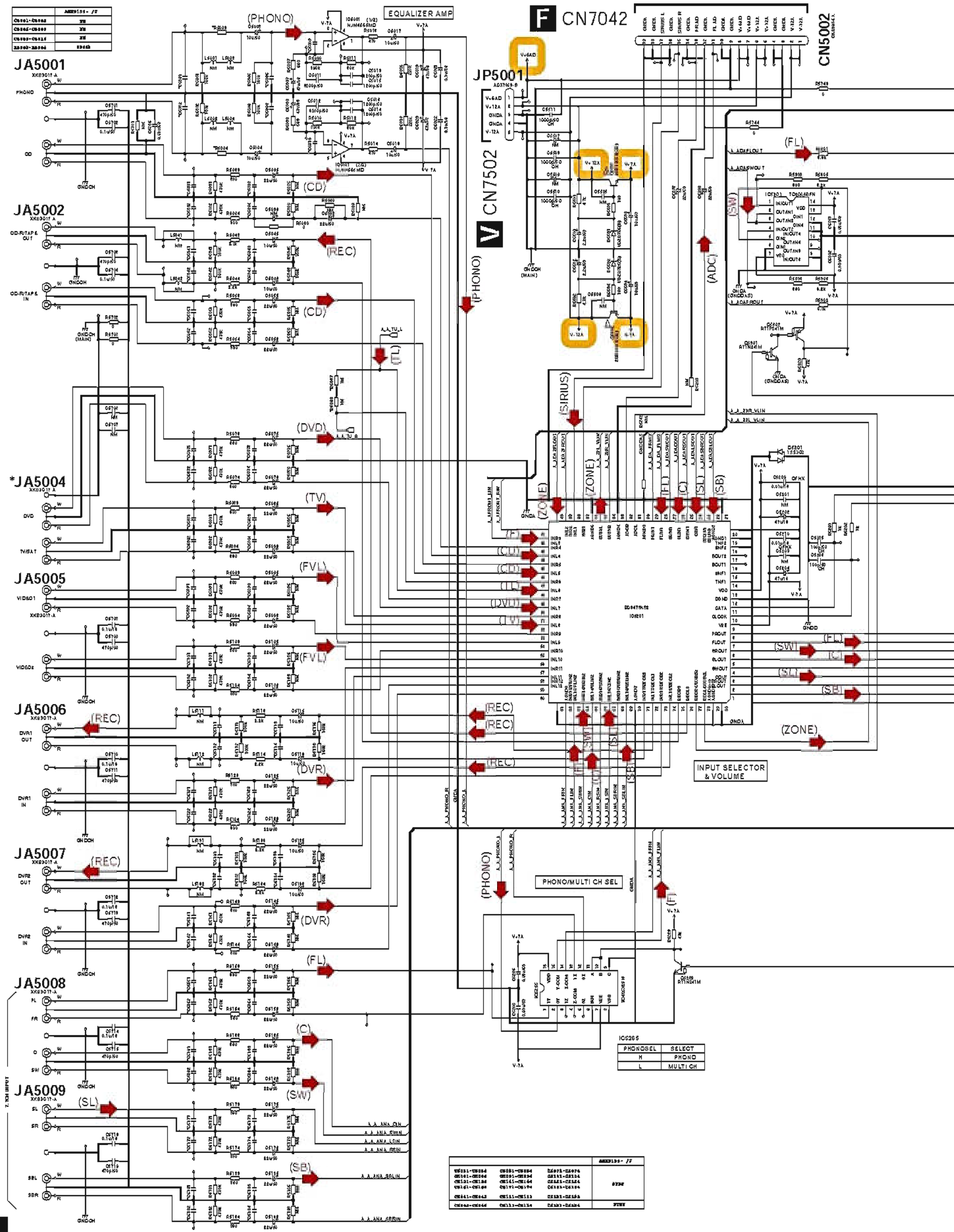
(2) CONTRAST TABLE

SC-07/KUXJ/CA and SC-05/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	SC-07/KUXJ/CA	SC-05/KUXJ/CA
	1	DISPLAY ASSY	AWX9158	AWX9238
	22	Front Panel	ANB7472	ANB7486

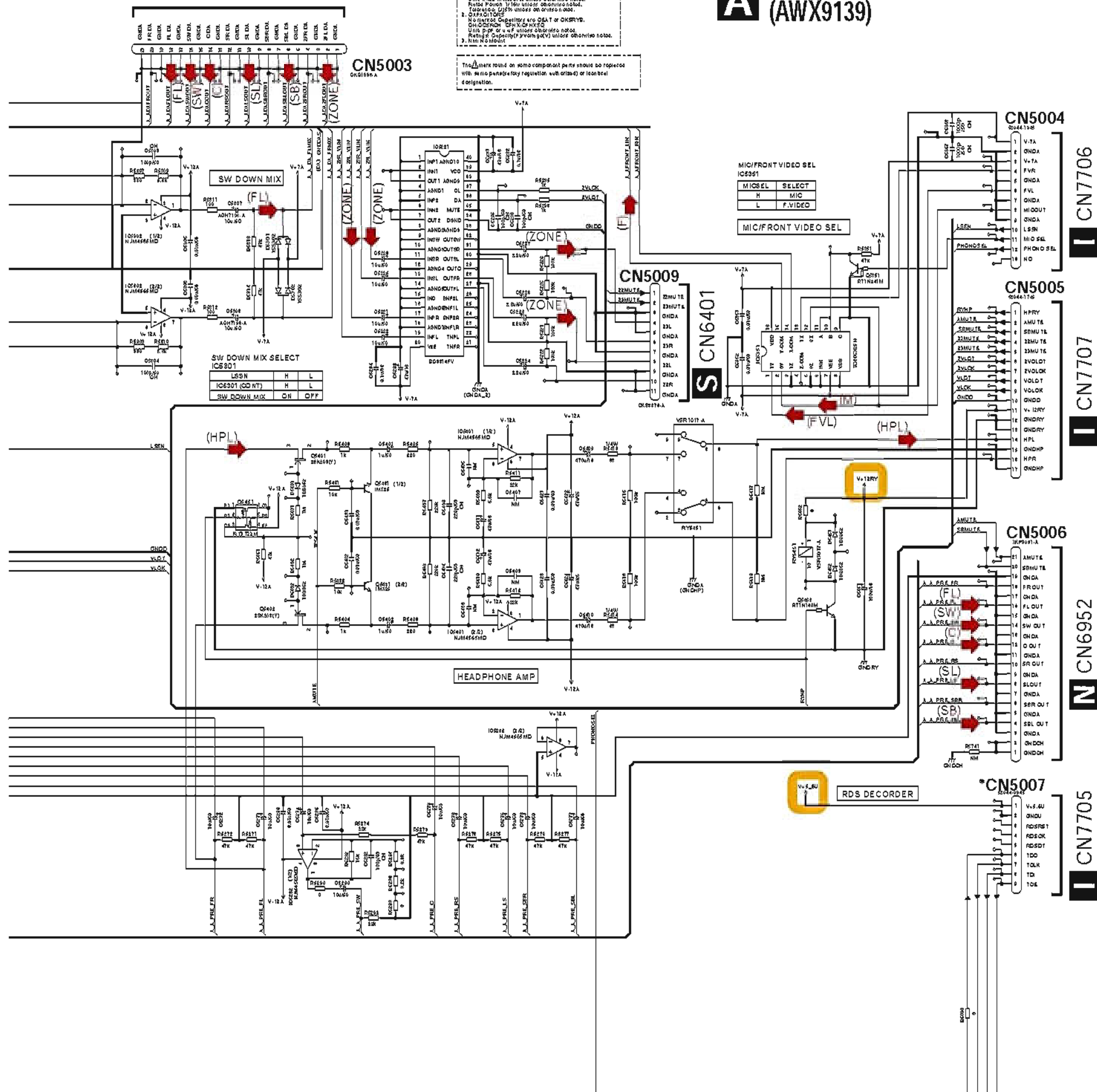
10. SCHEMATIC DIAGRAM

10.1 AUDIO ASSY

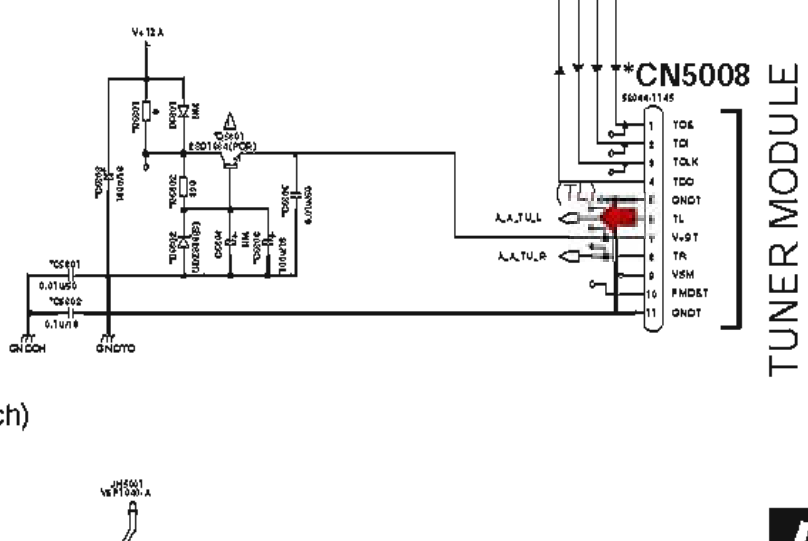


F CN7041

A AUDIO ASSY
(AWX9139)



- (F) → Audio Signal Route (L ch)
- (FV/L) → Audio Signal Route (Video L ch)
- (TV) → Audio Signal Route (TV L ch)
- (CD) → Audio Signal Route (CD L ch)
- (DVD) → Audio Signal Route (DVD L ch)
- (DVR) → Audio Signal Route (DVR L ch)
- (TL) → Audio Signal Route (Tuner L ch)
- (PHONO) → Audio Signal Route (Phono L ch)
- (M) → Audio Signal Route (Mic)
- (HPL) → Audio Signal Route (Headphone L ch)
- (SIRIUS) → Audio Signal Route (SIRIUS L ch)
- (ZONE) → Audio Signal Route (Zone L ch)
- (ADC) → Audio Signal Route (ADC L ch)
- (REC) → Audio Signal Route (REC L ch)
- (FL) → Audio Signal Route (Front L ch)
- (SL) → Audio Signal Route (Surround L ch)
- (C) → Audio Signal Route (Center)
- (SB) → Audio Signal Route (Surround Back L ch)
- (SW) → Audio Signal Route (Subwoofer)



I CN7706

I CN7707

N CN6952

I CN7705

TUNER MODULE

B 1/4

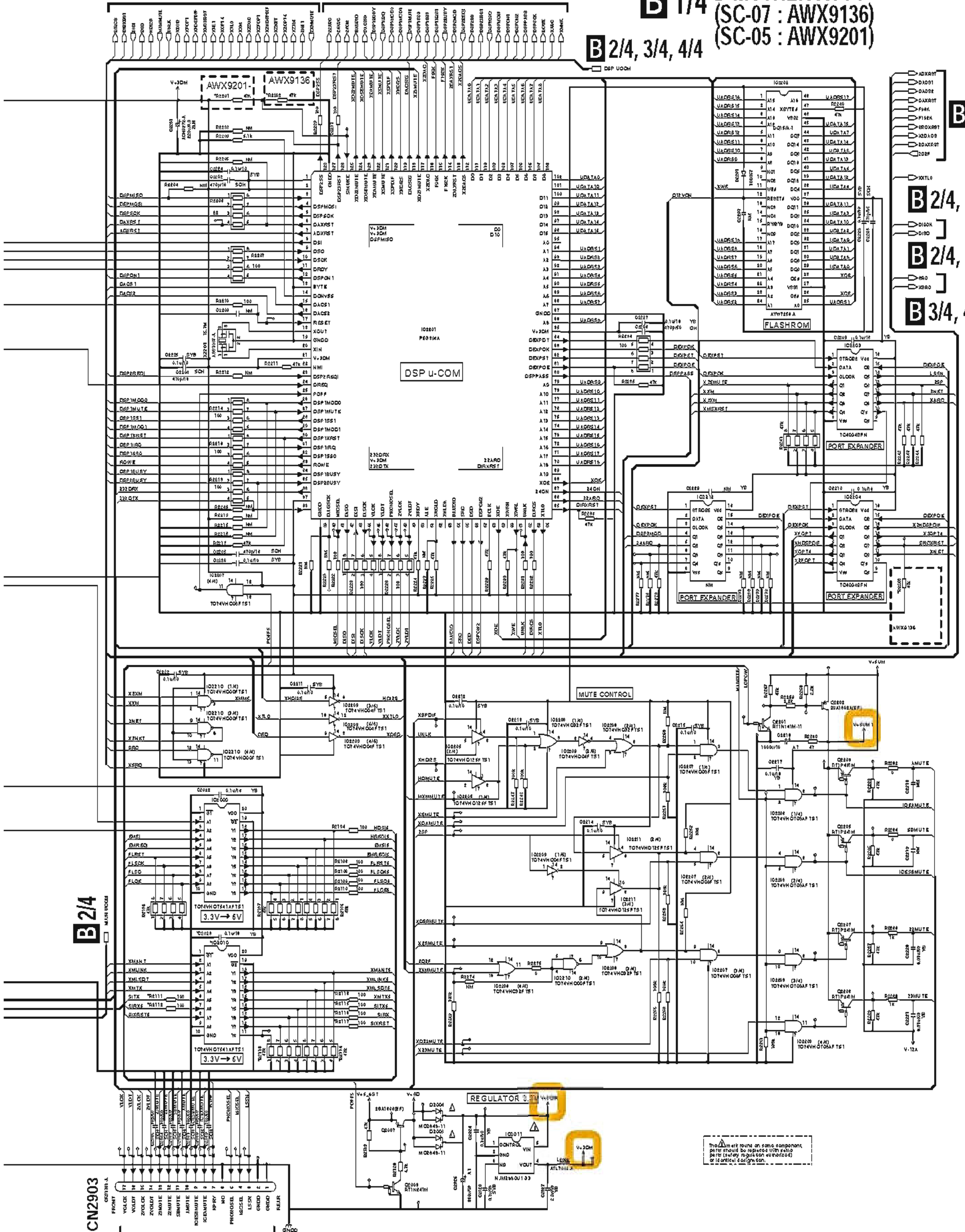


5C-07

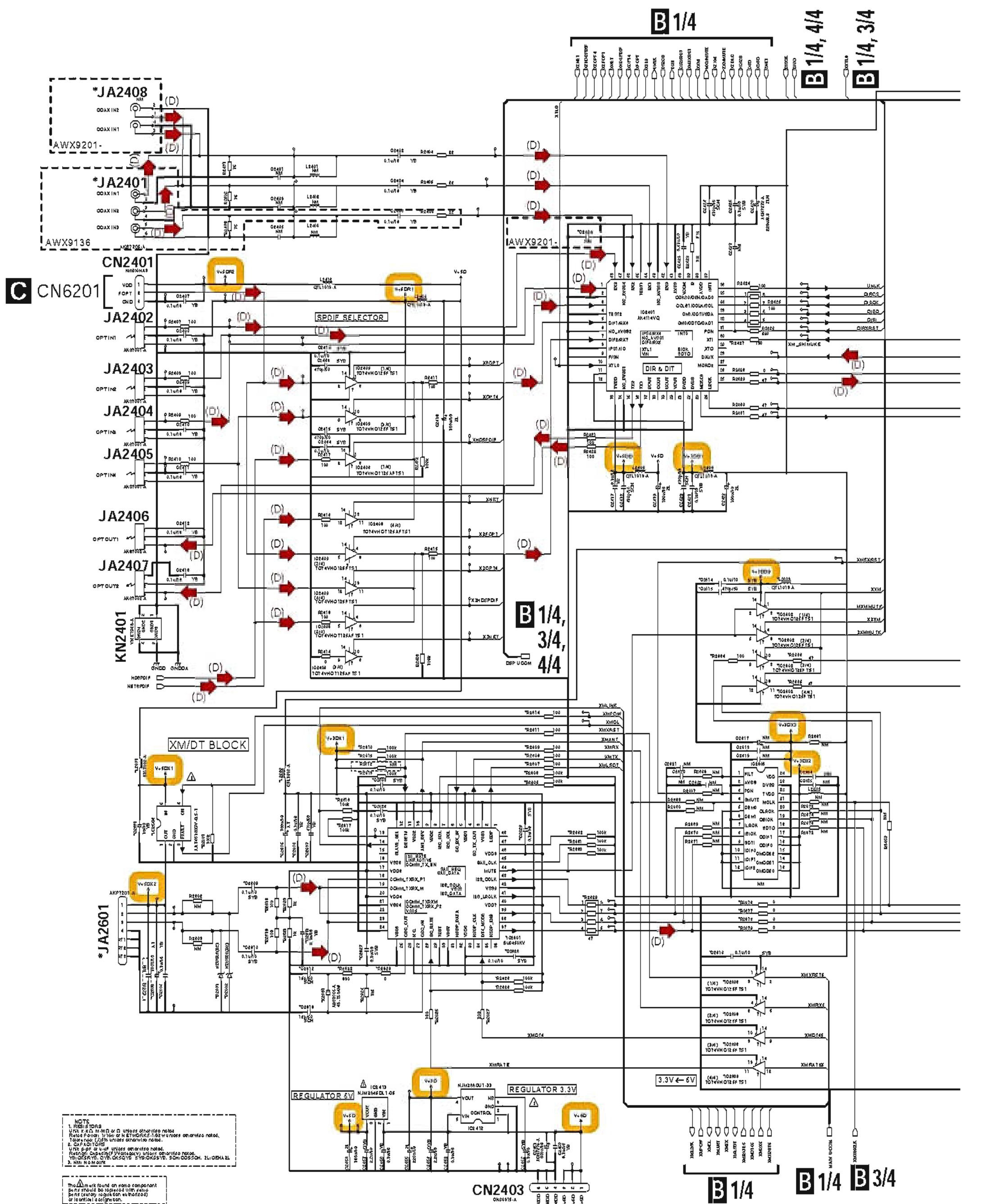
B 2/4**B 3/4****B 1/4** D-MOTHER ASSY
(SC-07 : AWX9136)
(SC-05 : AWX9201)**B 2/4, 3/4, 4/4****B 4/4****B 2/4, 3/4****B 2/4, 4/4****B 3/4, 4/4****B 2/4****F** CN7004**B 1/4**

SC-07

101

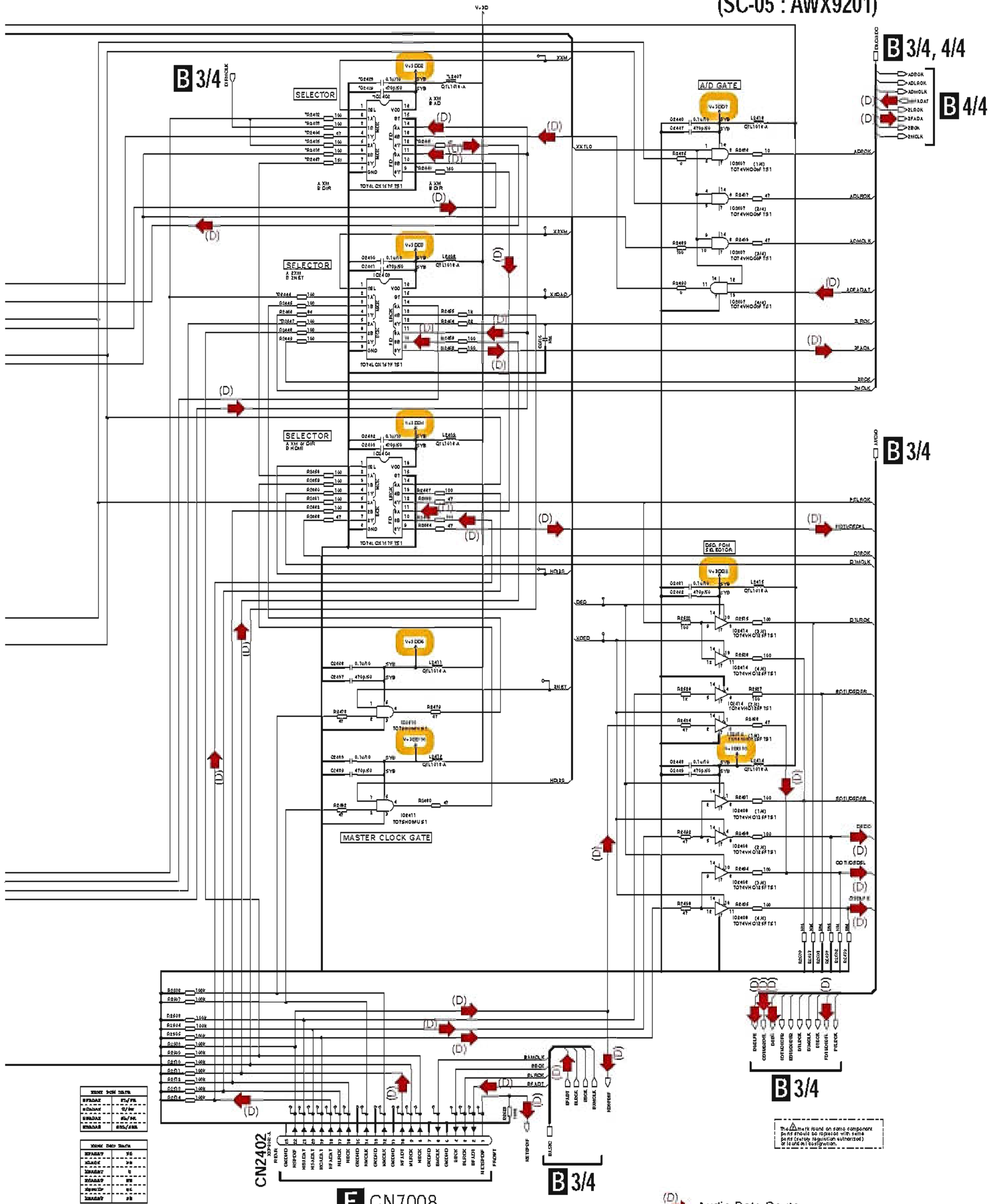


10.3 D-MOTHER ASSY (2/4)



B 2/4

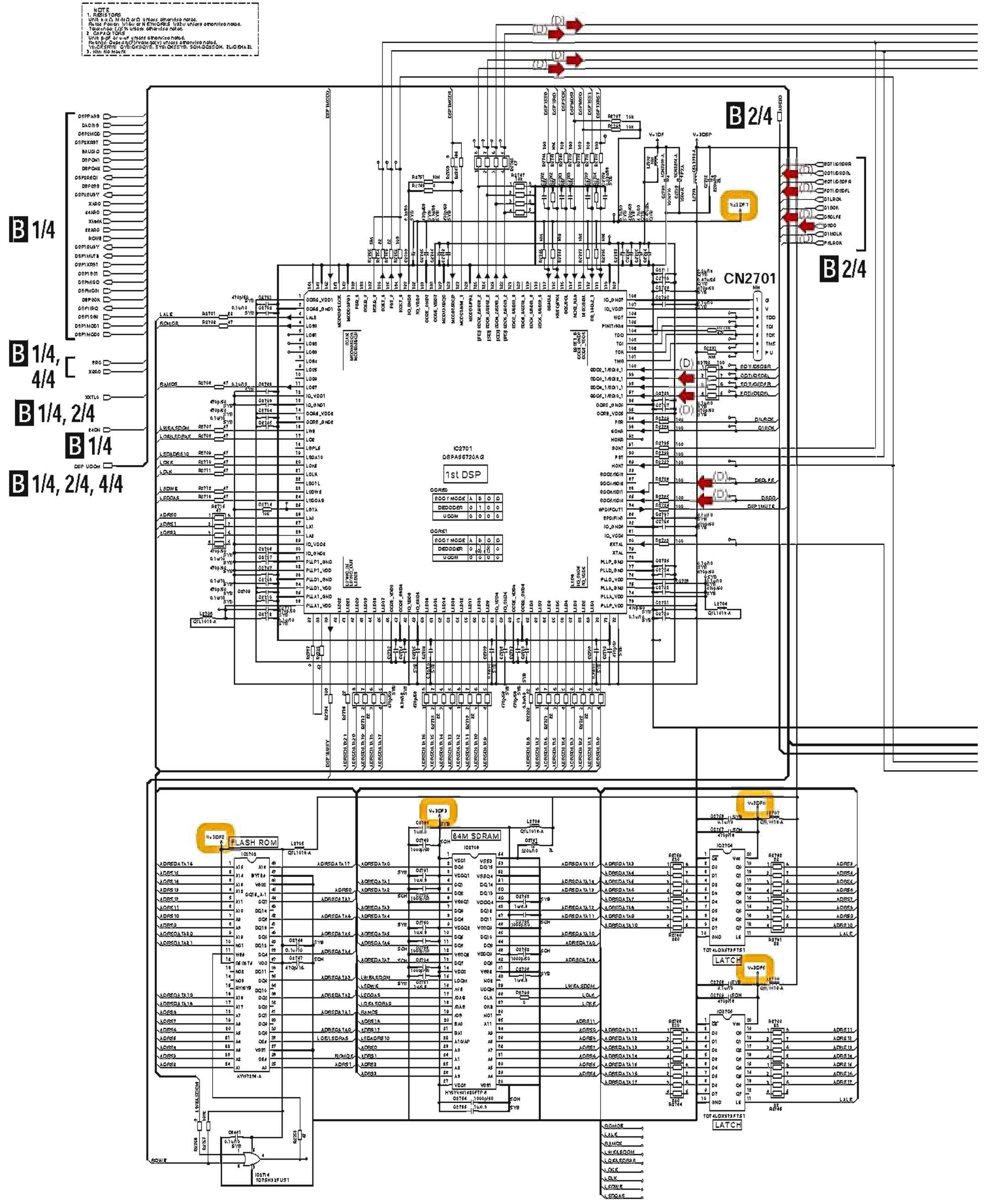
B 2/4 D-MOTHER ASSY
(SC-07 : AWX9136)
(SC-05 : AWX9201)



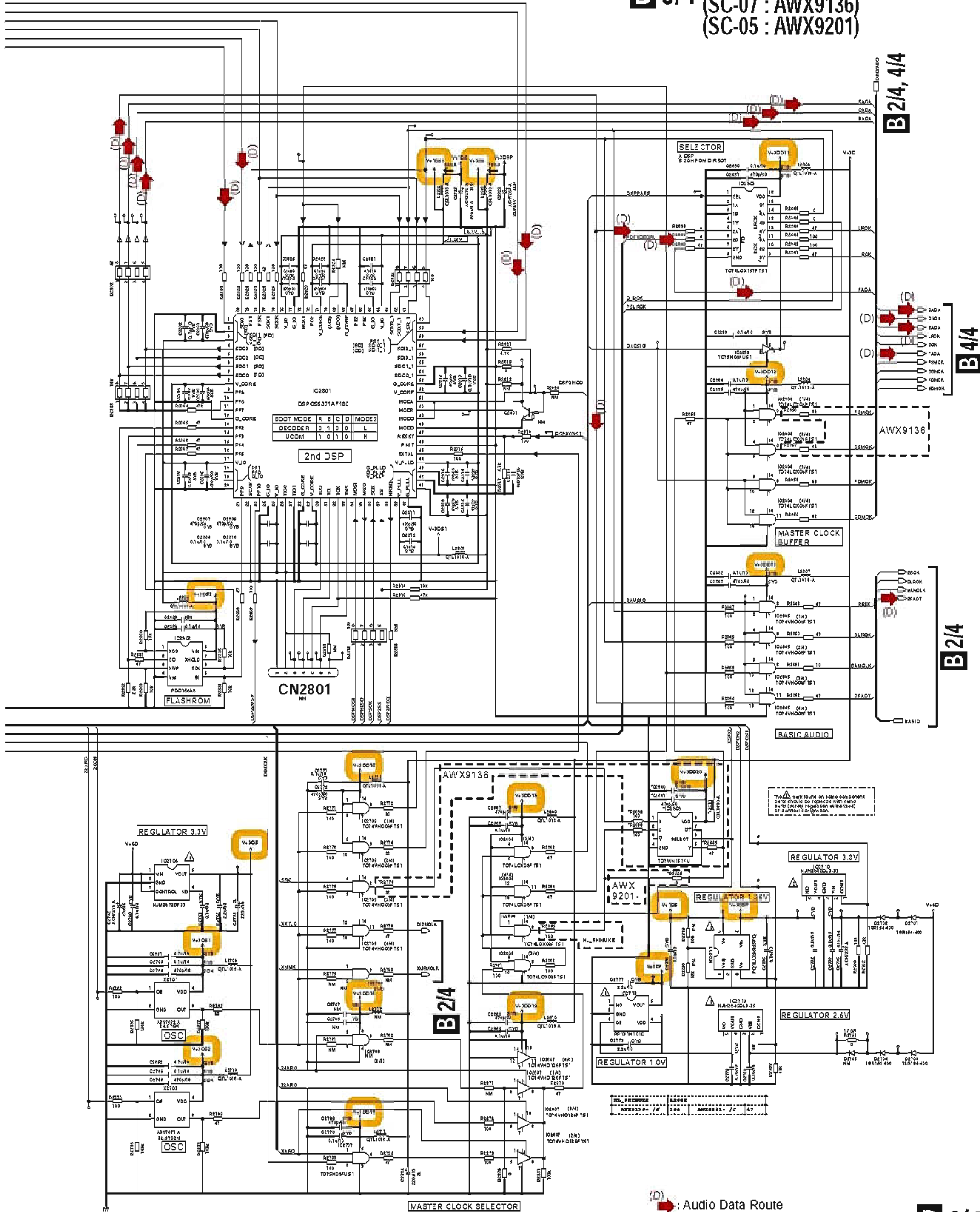
(D) : Audio Data Route

B 2/4
103

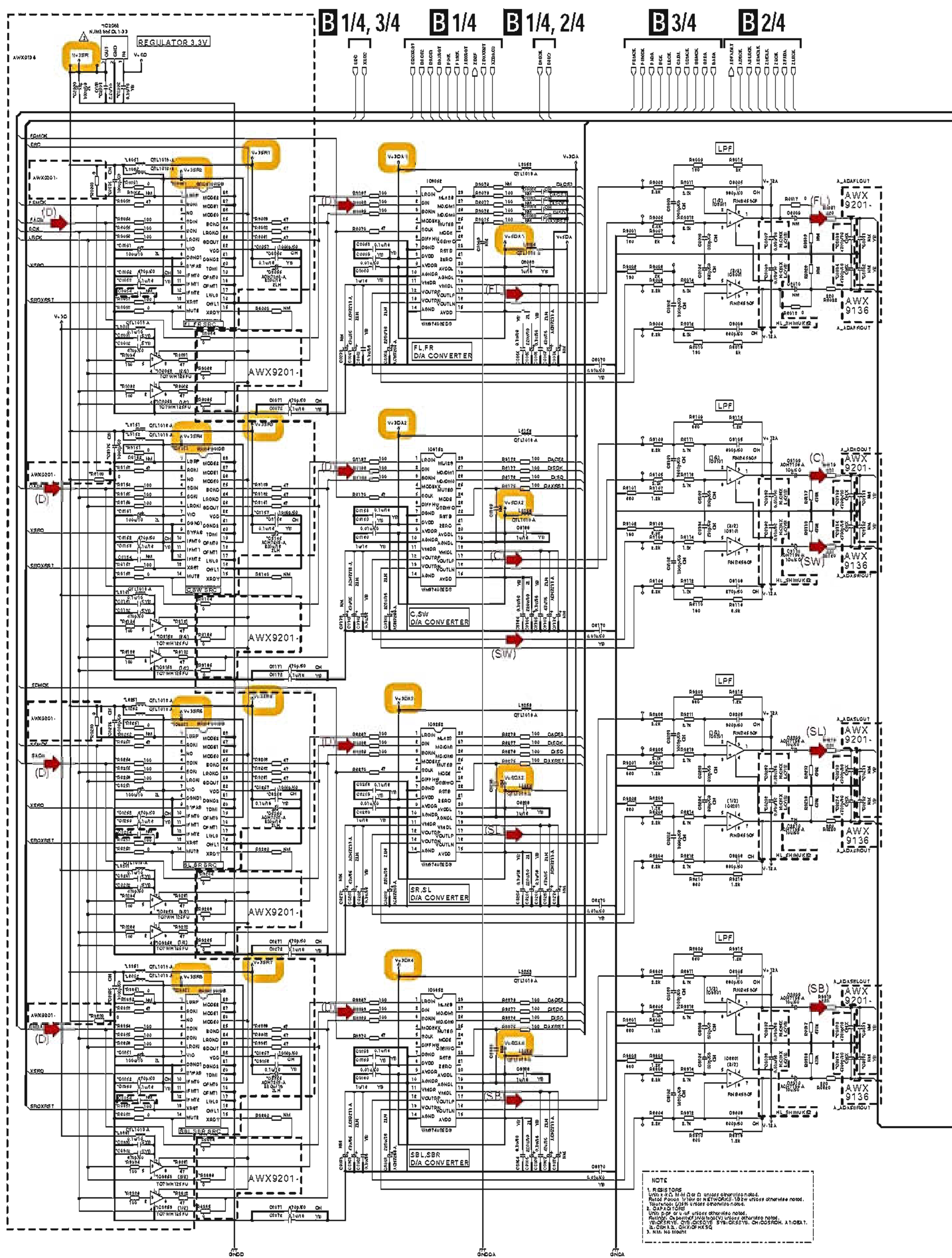
10.4 D-MOTHER ASSY (3/4)



B 3/4 D-MOTHER ASSY (SC-07 : AWX9136) (SC-05 : AWX9201)



10.5 D-MOTHER ASSY (4/4)



NOTE
1. RESISTORS
Unless noted, all resistors are 1% tolerance.
Resistor values are in ohms unless otherwise noted.
2. CAPACITORS
Unless noted, all capacitors are 5% tolerance.
Capacitor values are in pF unless otherwise noted.
3. DIODES
Unless noted, all diodes are 1N4148.
Diode values are in mA unless otherwise noted.
4. TRANSISTORS
Unless noted, all transistors are 2N2222.
Transistor values are in mA unless otherwise noted.
5. OTHER COMPONENTS
Unless noted, all other components are as specified in the component list.

B 4/4 D-MOTHER ASSY (SC-07 : AWX9136) (SC-05 : AWX9201)

B 2/4, 3/4

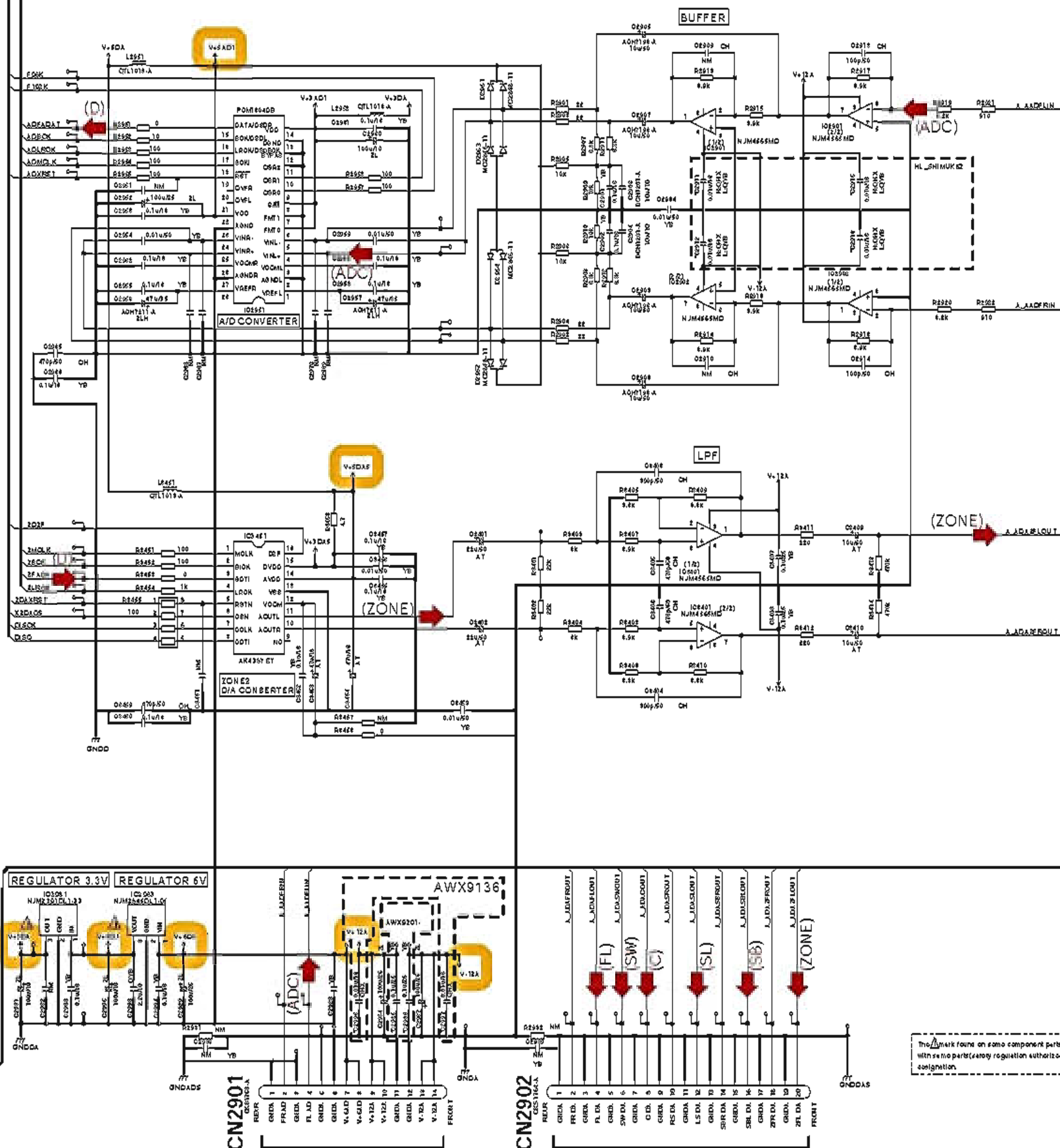
B 1/4, 2/4, 3/4

DL SHINUKER

	C2911	C2912	C2913	C2914	C3007	C3008
AWX9136- /U	0.01u/16 QMK	0.01u/16 QMK	0.01u/16 QMK	0.01u/16 QMK	0.01u/16 QMK	0.01u/16 QMK
AWX9201- /U	0.01u/50 QYB	0.01u/50 QYB	0.01u/50 QYB	0.01u/50 QYB	0.01u/50 QYB	0.01u/50 QYB

	C3107	C3108	C3207	C3208	C3307	C3308
AWX9136- /U	0.01u/16 QMK	0.01u/16 QMK	0.01u/16 QMK	0.01u/16 QMK	0.01u/16 QMK	0.01u/16 QMK
AWX9201- /U	0.01u/50 QYB	0.01u/50 QYB	0.01u/50 QYB	0.01u/50 QYB	0.01u/50 QYB	0.01u/50 QYB

- (D) : Audio Data Route
- (ZONE) : Audio Signal Route (Zone L ch)
- (ADC) : Audio Signal Route (ADC L ch)
- (FL) : Audio Signal Route (Front L ch)
- (SL) : Audio Signal Route (Surround L ch)
- (C) : Audio Signal Route (Center)
- (SB) : Audio Signal Route (Surround Back L ch)
- (SW) : Audio Signal Route (Subwoofer)



The mark found on some component parts should be replaced with no parts (any regulation authority) or localise designation.

F CN7007

F CN7006

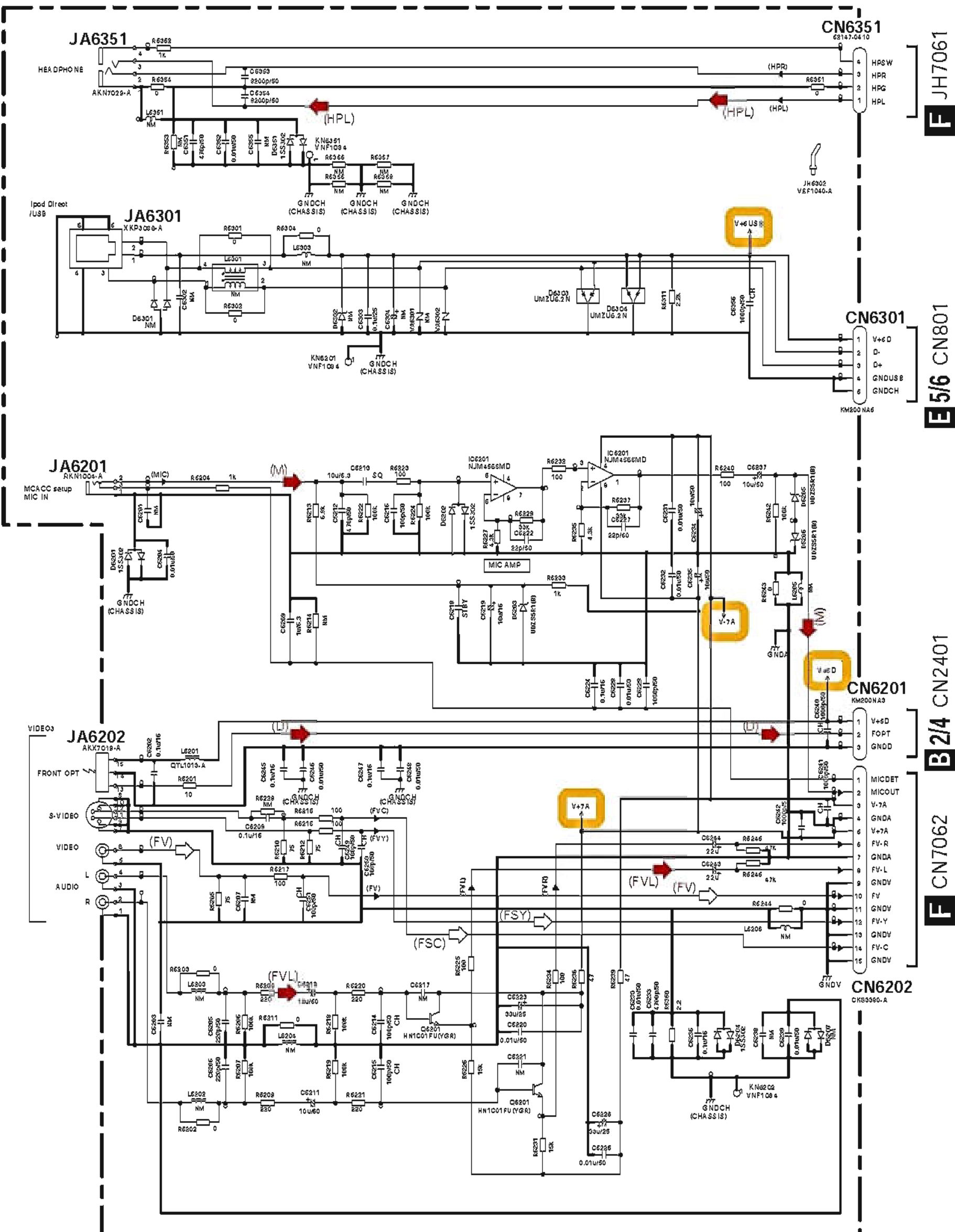
B 4/4

SC-07

107

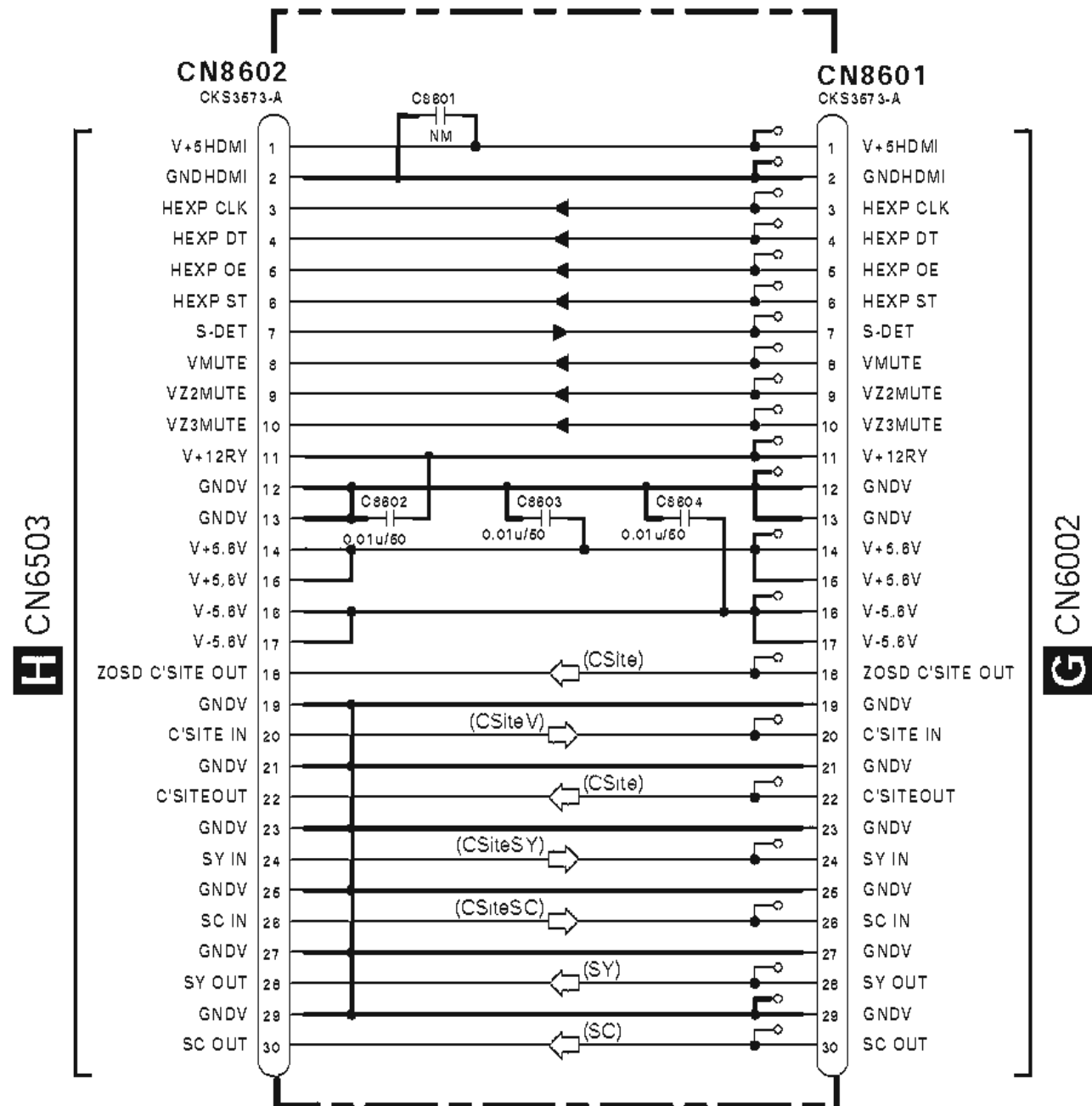
10.6 FRONT IN and V-BRIDGE ASSYS

C FRONT IN ASSY
(AWX9142)



NOTE
1. RESISTORS
Unit: k- Ω , M-M Ω or μ unless
otherwise noted.
Rated Power: 1/15W unless
otherwise noted.
Tolerance: (J) $\pm$ 5% unless
otherwise noted.
2. CAPACITORS
Unit: p-pF or μ -uF unless
otherwise noted.
Ratings: Capacity (F)/Voltage (V)
unless otherwise noted.
CH: C05RCH
NO MARKED: CKSRYB
3. Nvl: No Mount

J V-BRIDGE ASSY (AWX9161)



NOTE

1. CAPACITORS
Unit: p-pF or u-uF unless
otherwise noted.
Ratings: Capacity(F)/Voltage(V)
unless otherwise noted.
2. NM: No Mount

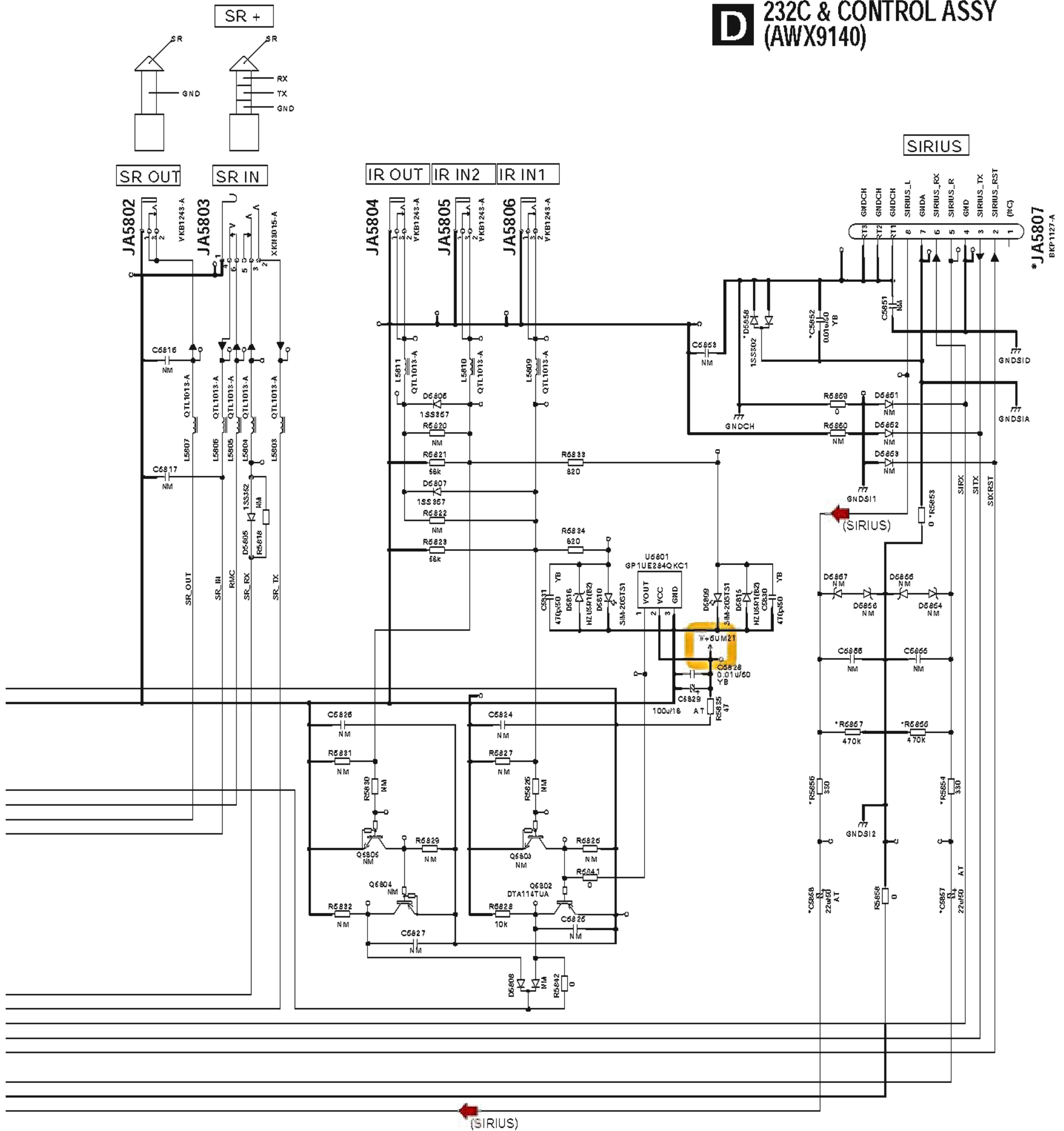
(FSC) → S-Video Signal Route (Front C)
(FSY) → S-Video Signal Route (Front Y)
(FV) → Video Signal Route (Video)
(D) → Audio Data Route
(FVL) → Audio Signal Route (Video L ch)
(M) → Audio Signal Route (Mic)
(HPL) → Audio Signal Route (Headphone L ch)

(SC) → S-Video Signal Route (C)
(SY) → S-Video Signal Route (Y)
(C'SiteSC) → Video Signal Route (Composite C)
(C'SiteSY) → Video Signal Route (Composite Y)
(C'SiteV) → Video Signal Route (Composite Video)
(C'Site) → Video Signal Route (Composite)

D

SC-07

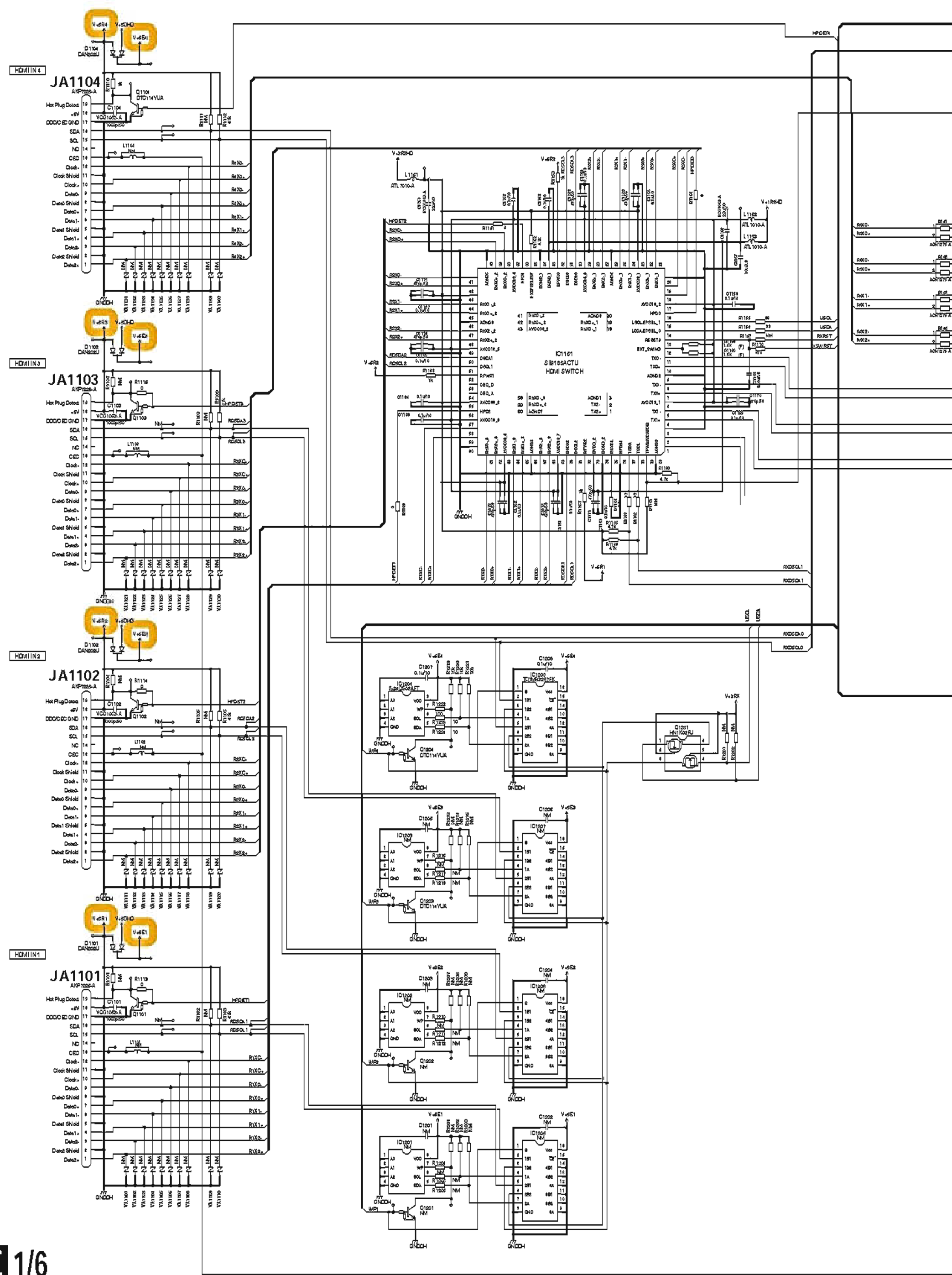
D 232C & CONTROL ASSY (AWX9140)



(SIRIUS) → Audio Signal Route (SIRIUS L ch)

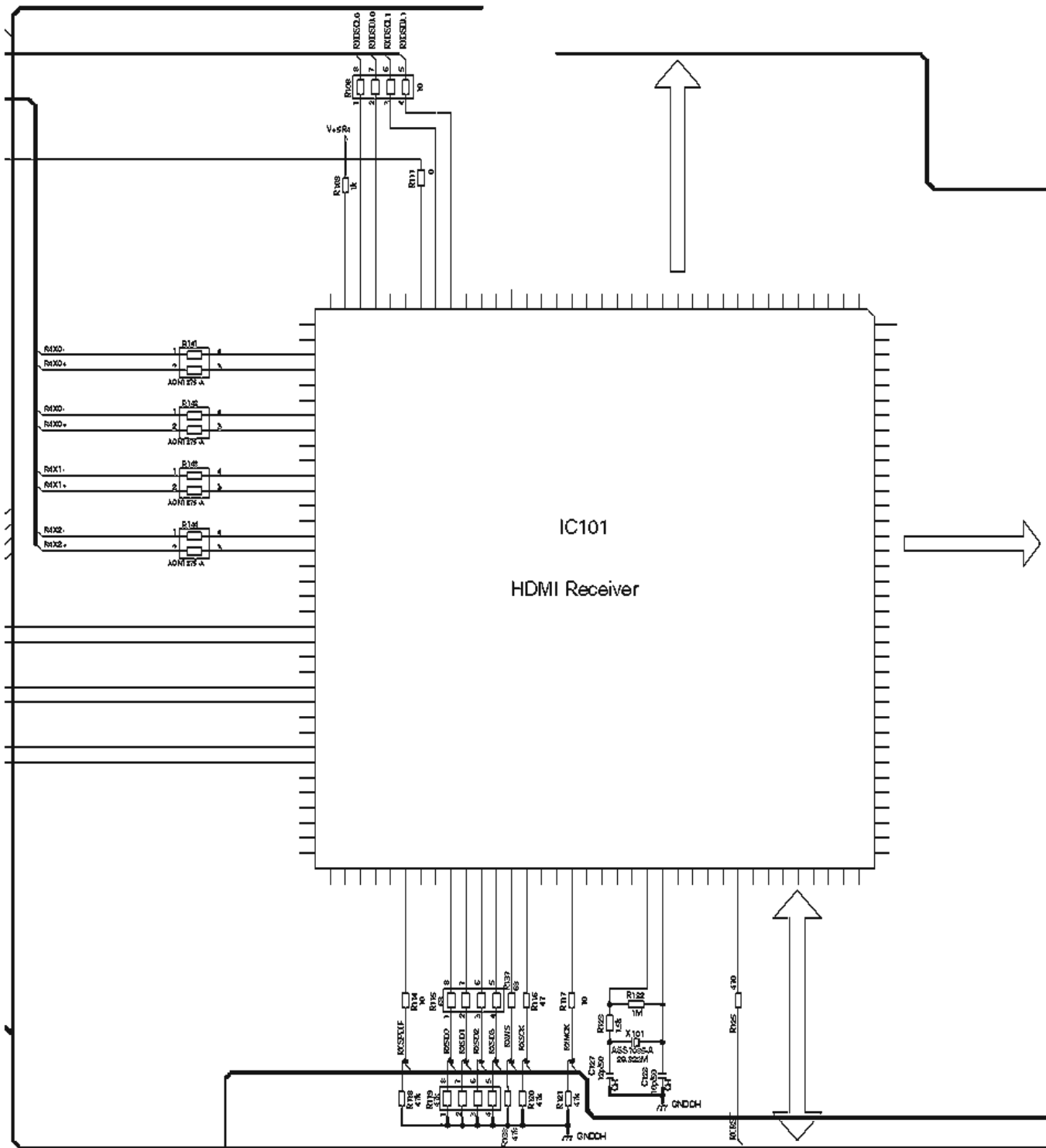
NOTE
 1. RESISTORS
 Unit: k-Ω, M-Ω or Ω unless otherwise noted.
 Rated Power: 1/10W unless otherwise noted.
 Tolerance: 1/10% unless otherwise noted.
 2. CAPACITORS
 Unit: p-pF or u-uF unless otherwise noted.
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
 YB:CKSRYB, CH:CCSRCH, AT:CEAT
 3. NM: No Mount

10.8 HDMI NETWORK ASSY (1/6)



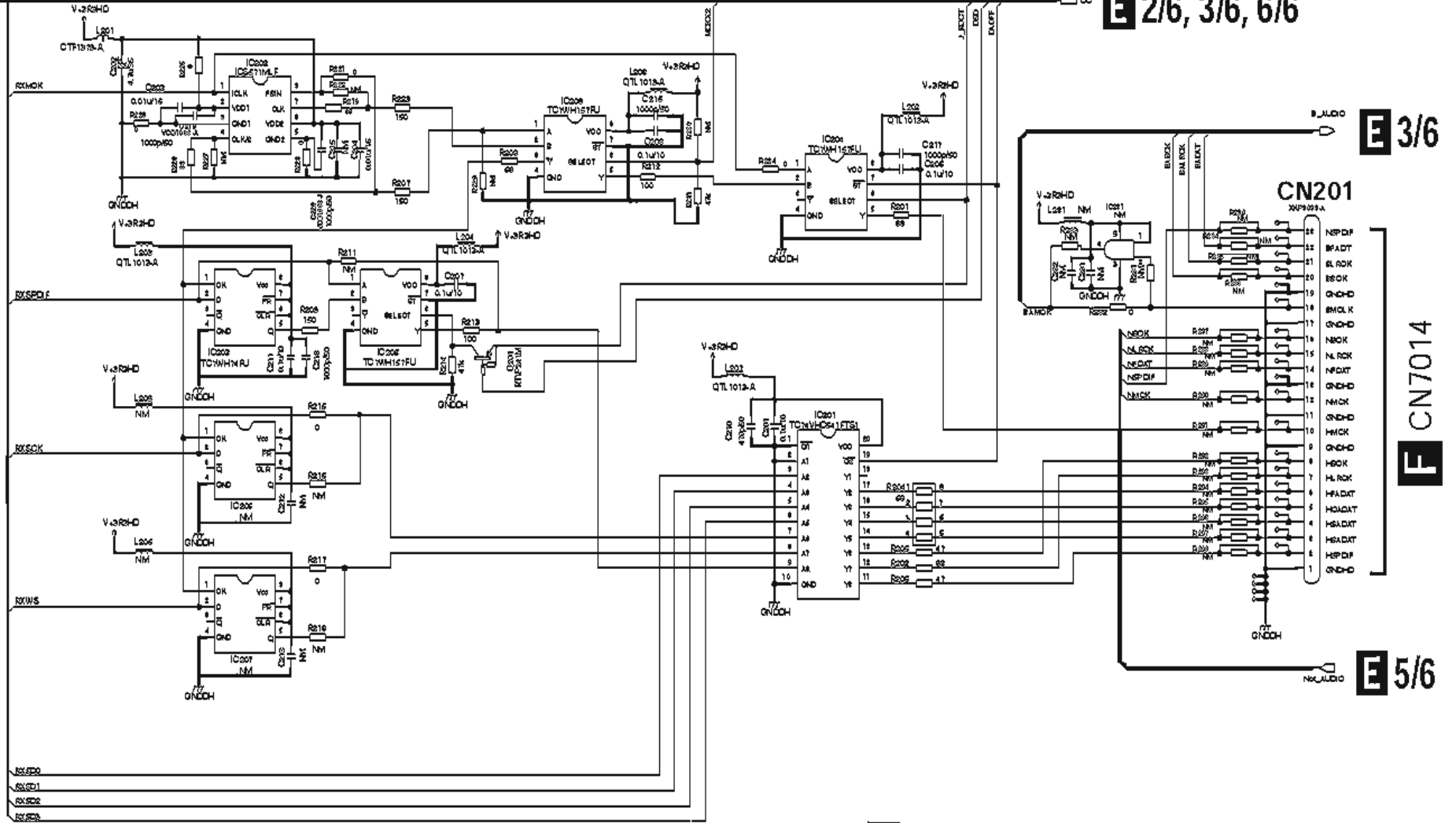
E 1/6 HDMI NETWORK ASSY (SC-07 : AWX9135) (SC-05 : AWX9190)

E 2/6, 3/6



E 3/6

E 2/6, 3/6, 6/6



E 3/6

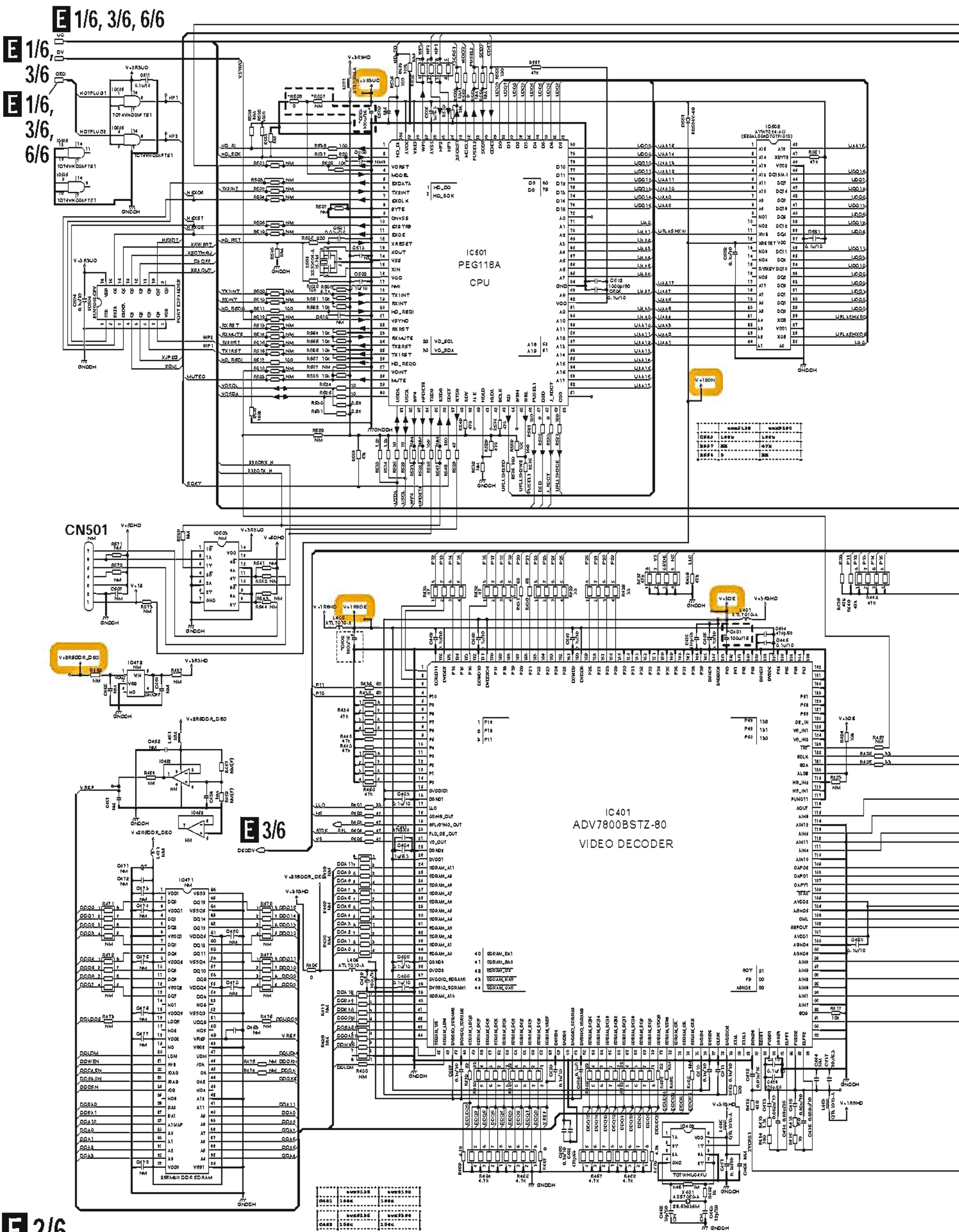
F CN7014

E 5/6

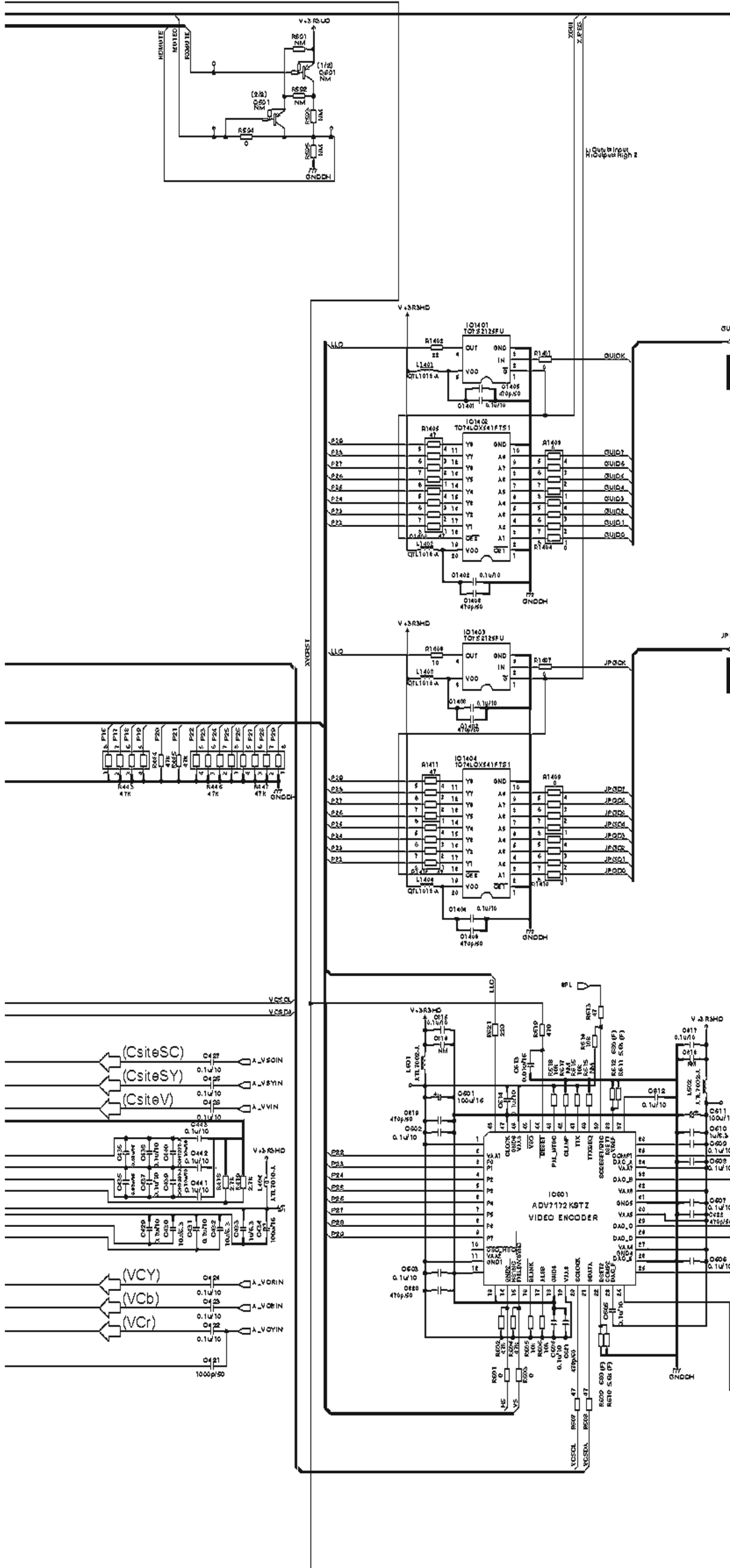
E 2/6, 3/6, 6/6

E 1/6

10.9 HDMI NETWORK ASSY (2/6)



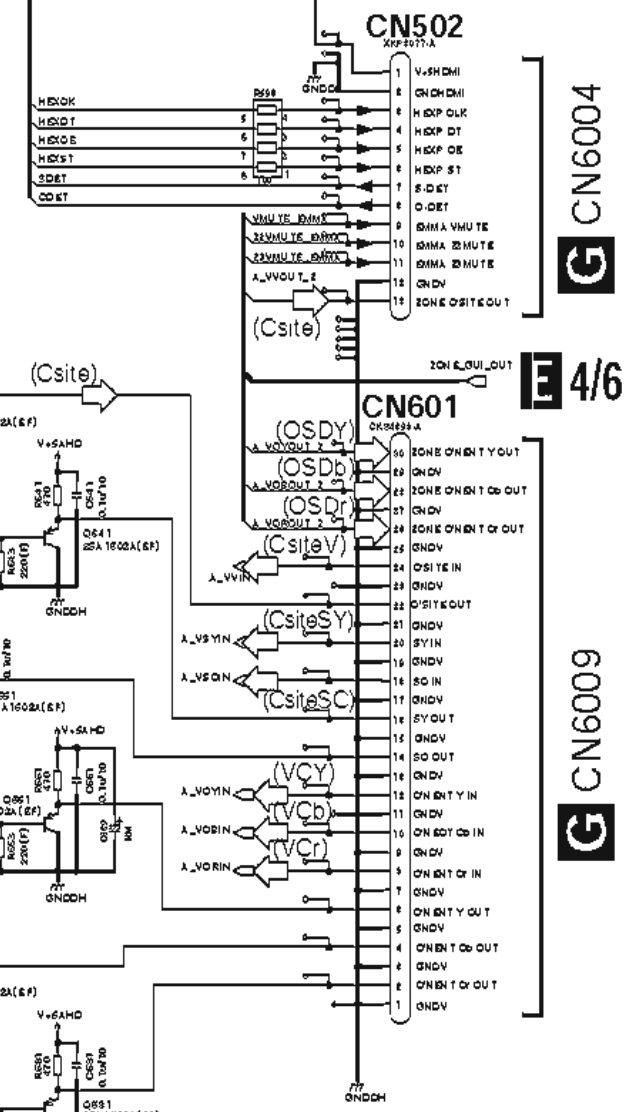
E 2/6 HDMI NETWORK ASSY (SC-07 : AWX9135) (SC-05 : AWX9190)



E 4/6

E 5/6

- (SC) : S-Video Signal Route (C)
- (SY) : S-Video Signal Route (Y)
- (CsiteSC) : Video Signal Route (Composite C)
- (CsiteSY) : Video Signal Route (Composite Y)
- (CsiteV) : Video Signal Route (Composite Video)
- (Csite) : Video Signal Route (Composite)
- (VCY) : Video Signal Route (VCY)
- (VCb) : Video Signal Route (VCb)
- (VCr) : Video Signal Route (VCr)
- (OSDY) : Video Signal Route (OSDY)
- (OSDb) : Video Signal Route (OSDb)
- (OSDr) : Video Signal Route (OSDr)



G CN6004

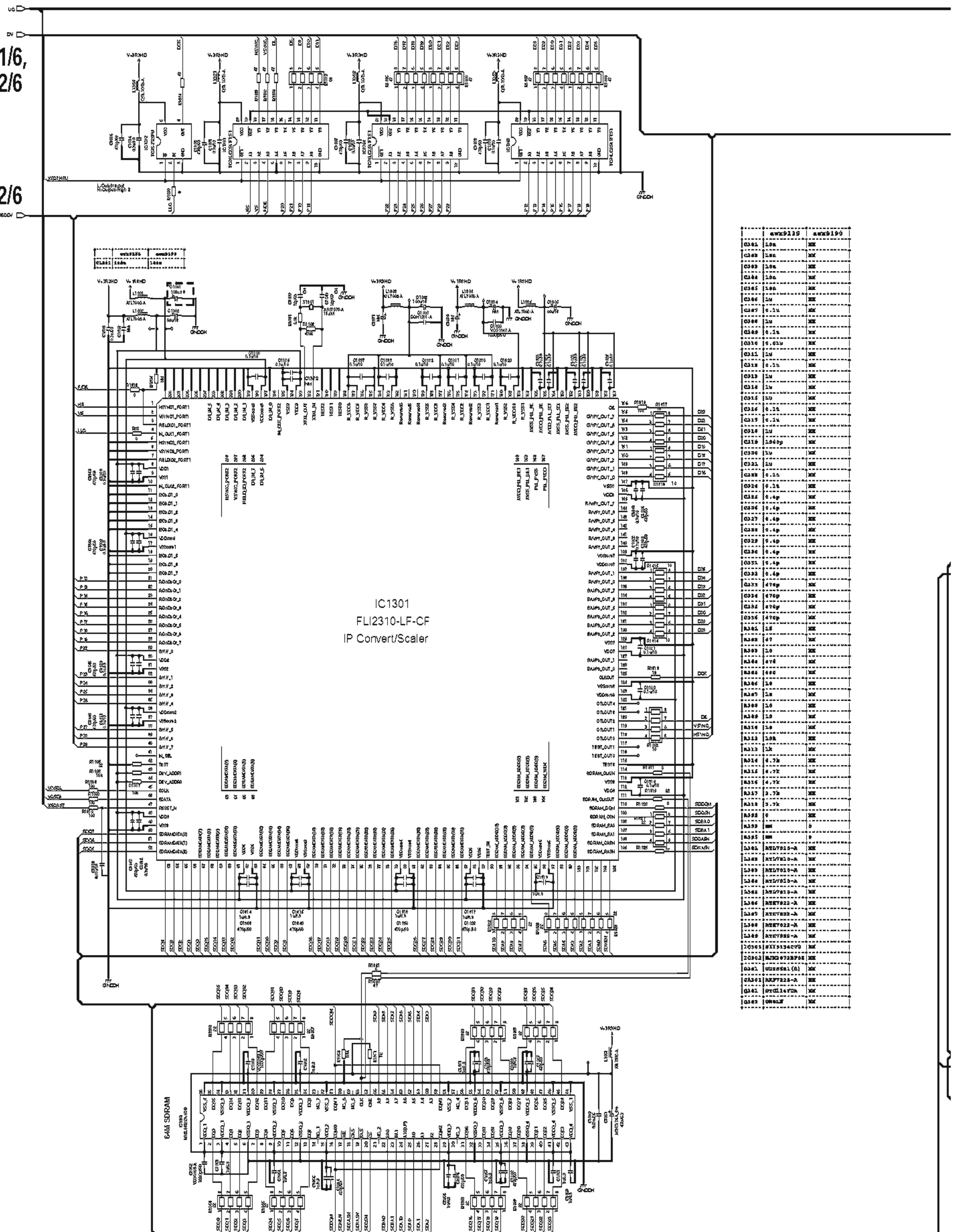
G CN6009

10.10 HDMI NETWORK ASSY (3/6)

E 1/6, 2/6, 6/6

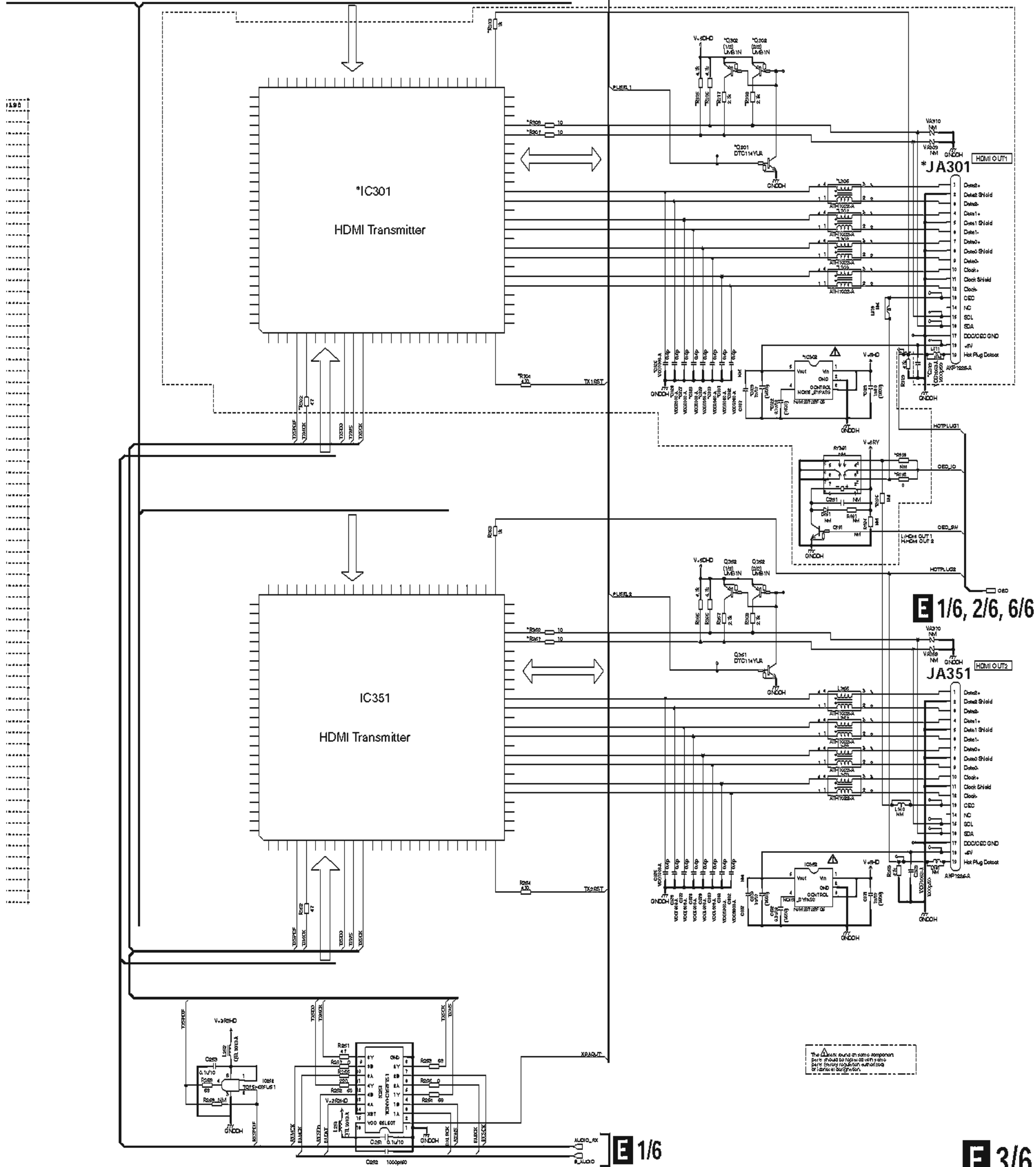
E 1/6,
2/6

E 2/6

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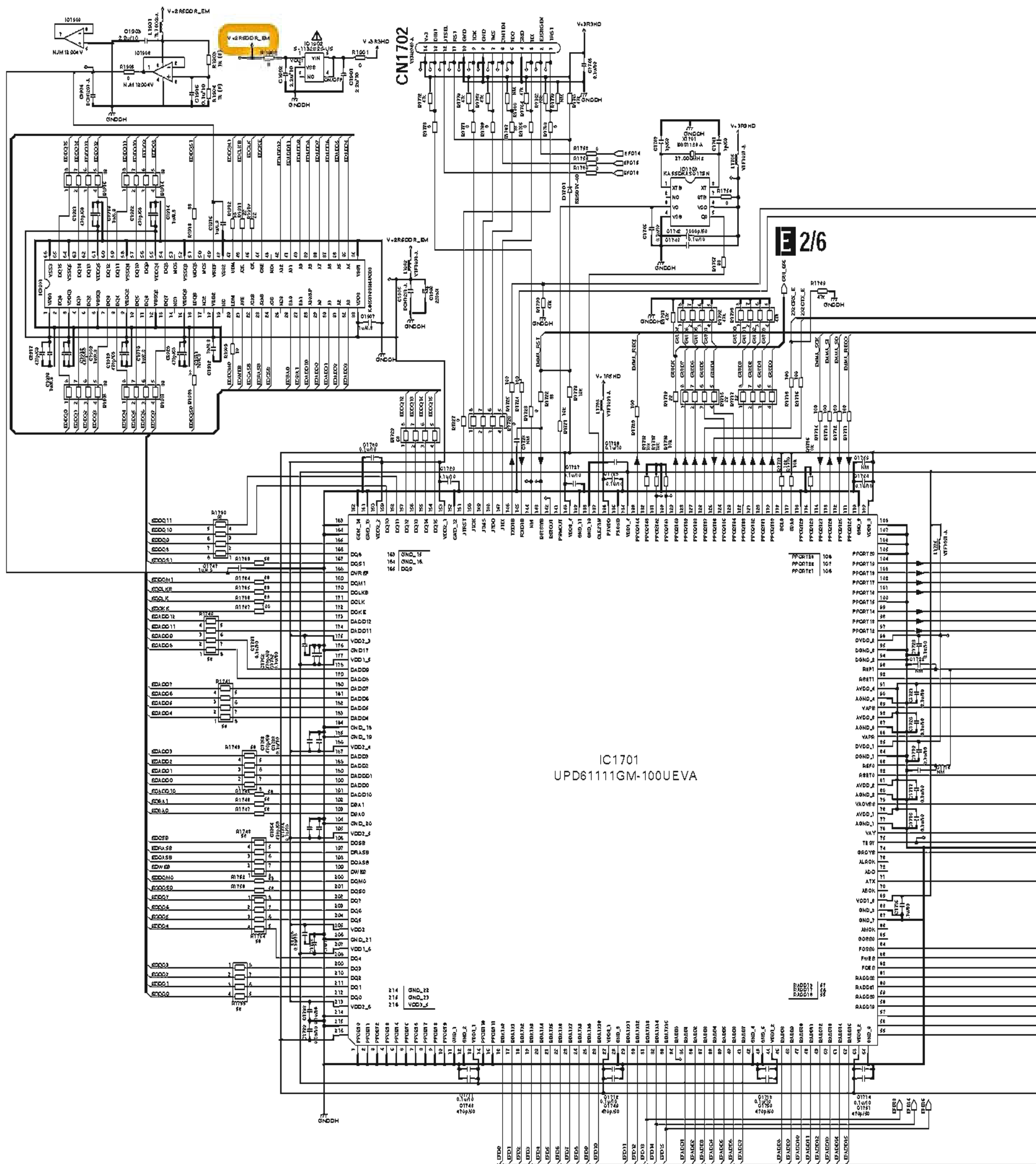
3/6

E 3/6 HDMI NETWORK ASSY
(SC-07 : AWX9135)
(SC-05 : AWX9190)



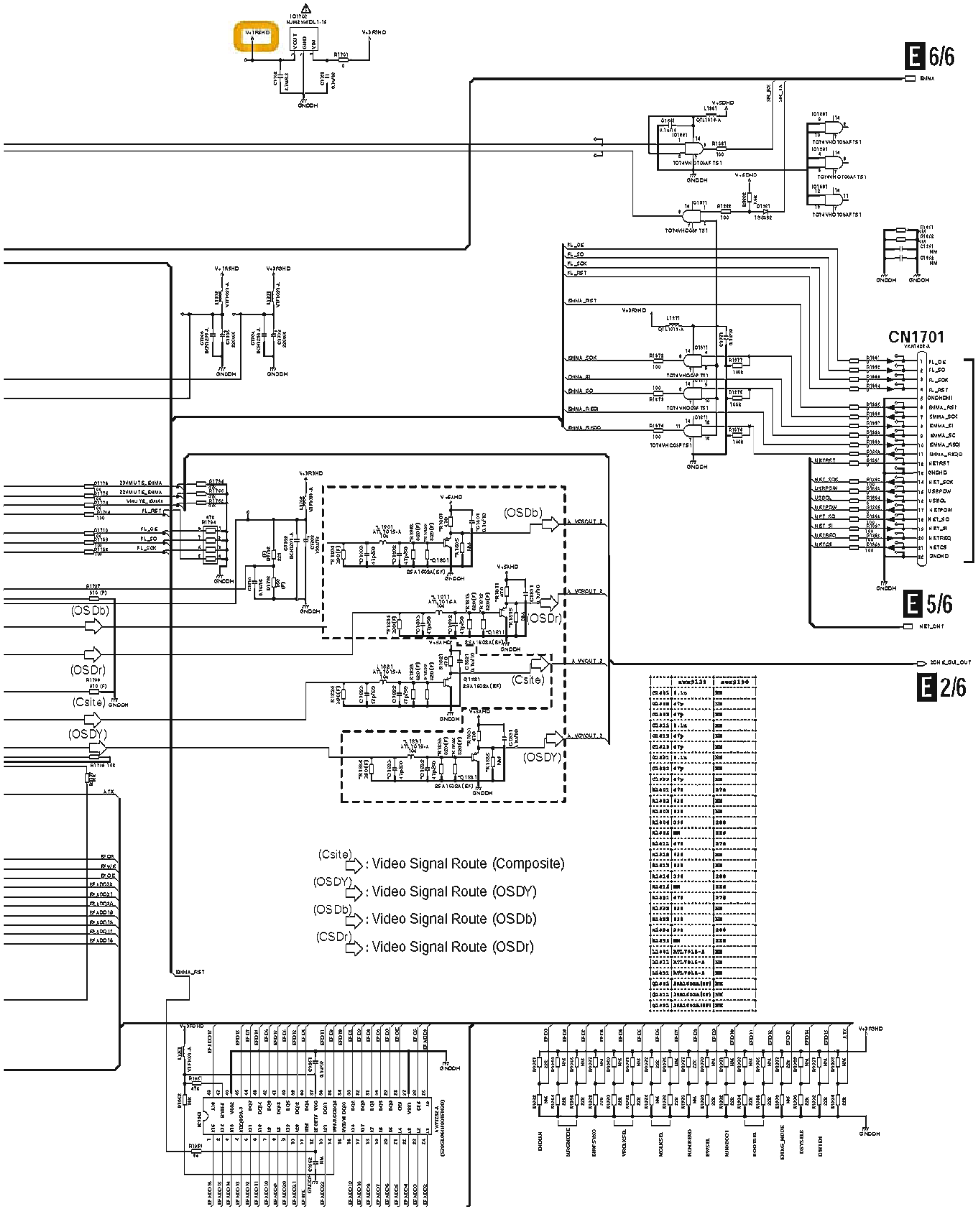
E 1/6

E 3/6

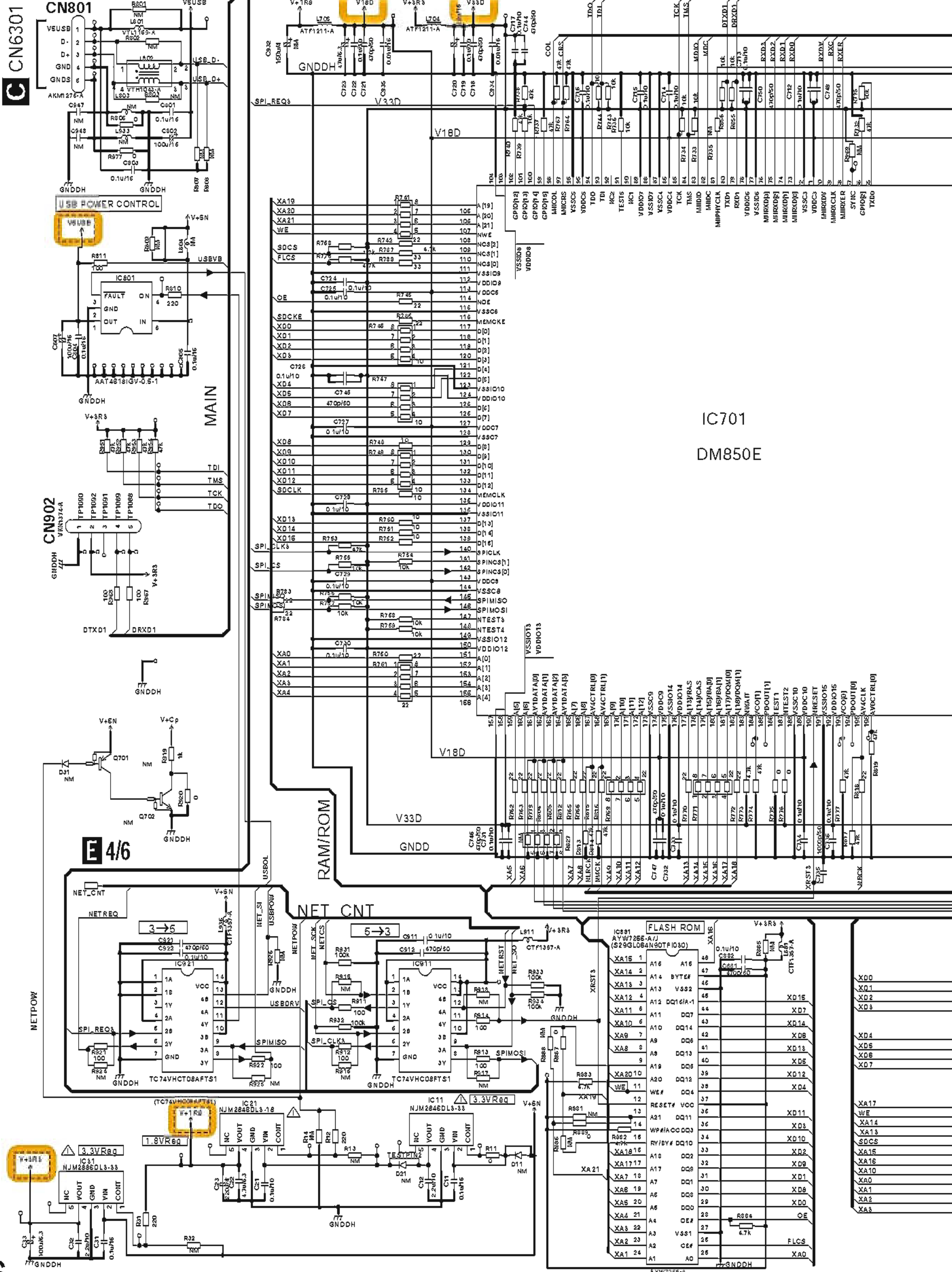


The  mark found on some component parts should be replaced with same parts (strictly regulation authorized) of identical designation.

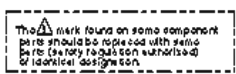
E 4/6 HDMI NETWORK ASSY (SC-07 : AWX9135) (SC-05 : AWX9190)



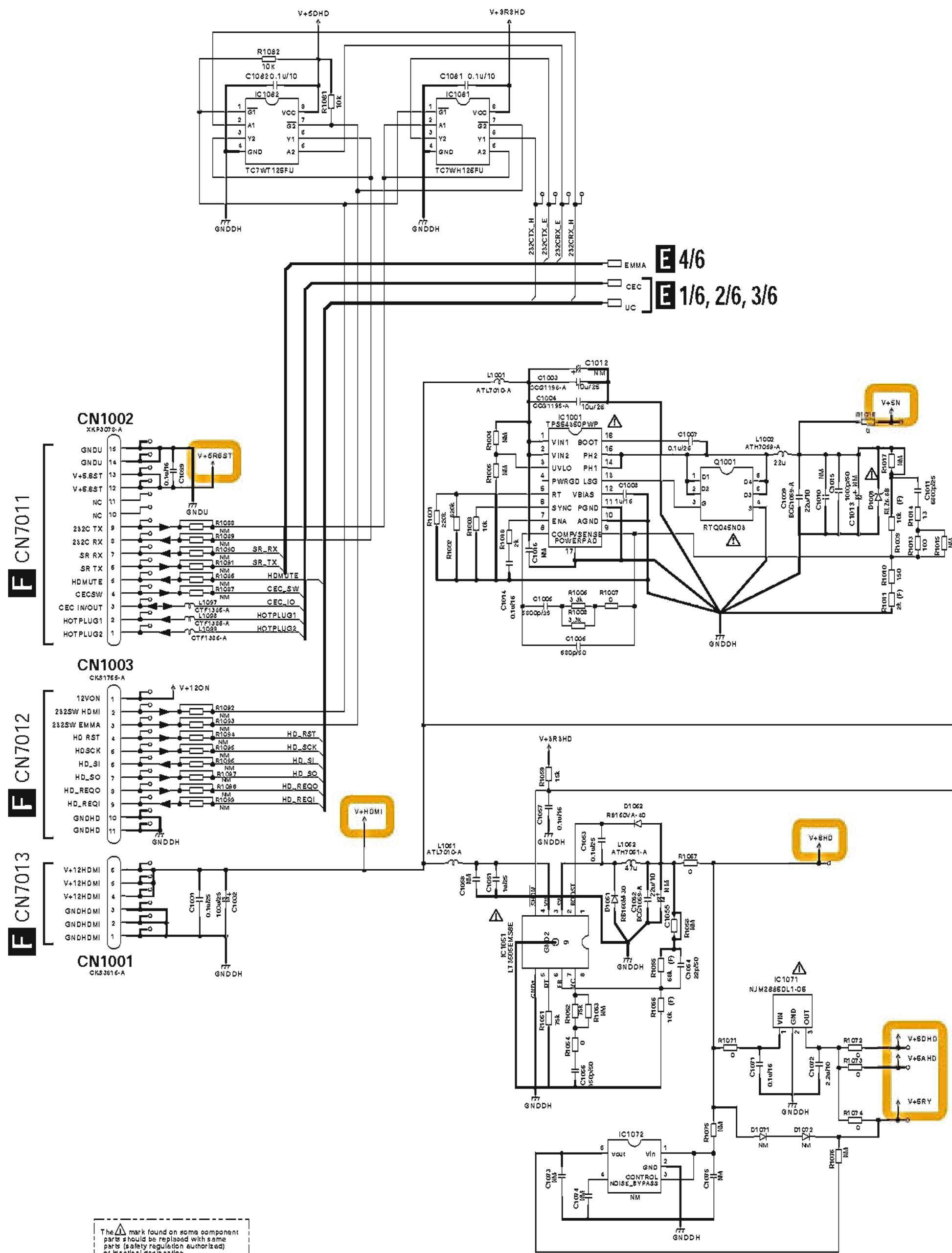
10.12 HDMI NETWORK ASSY (5/6)



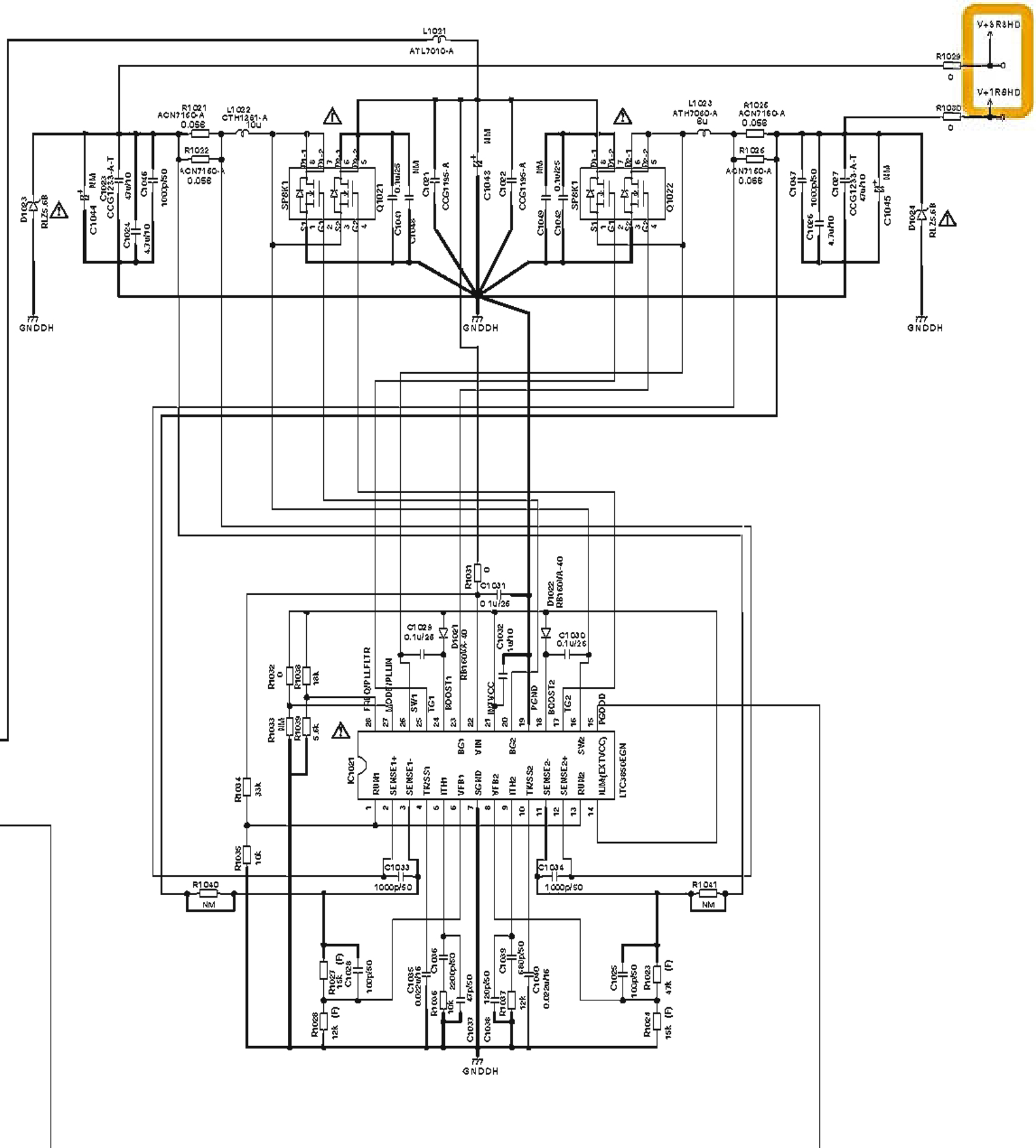
E



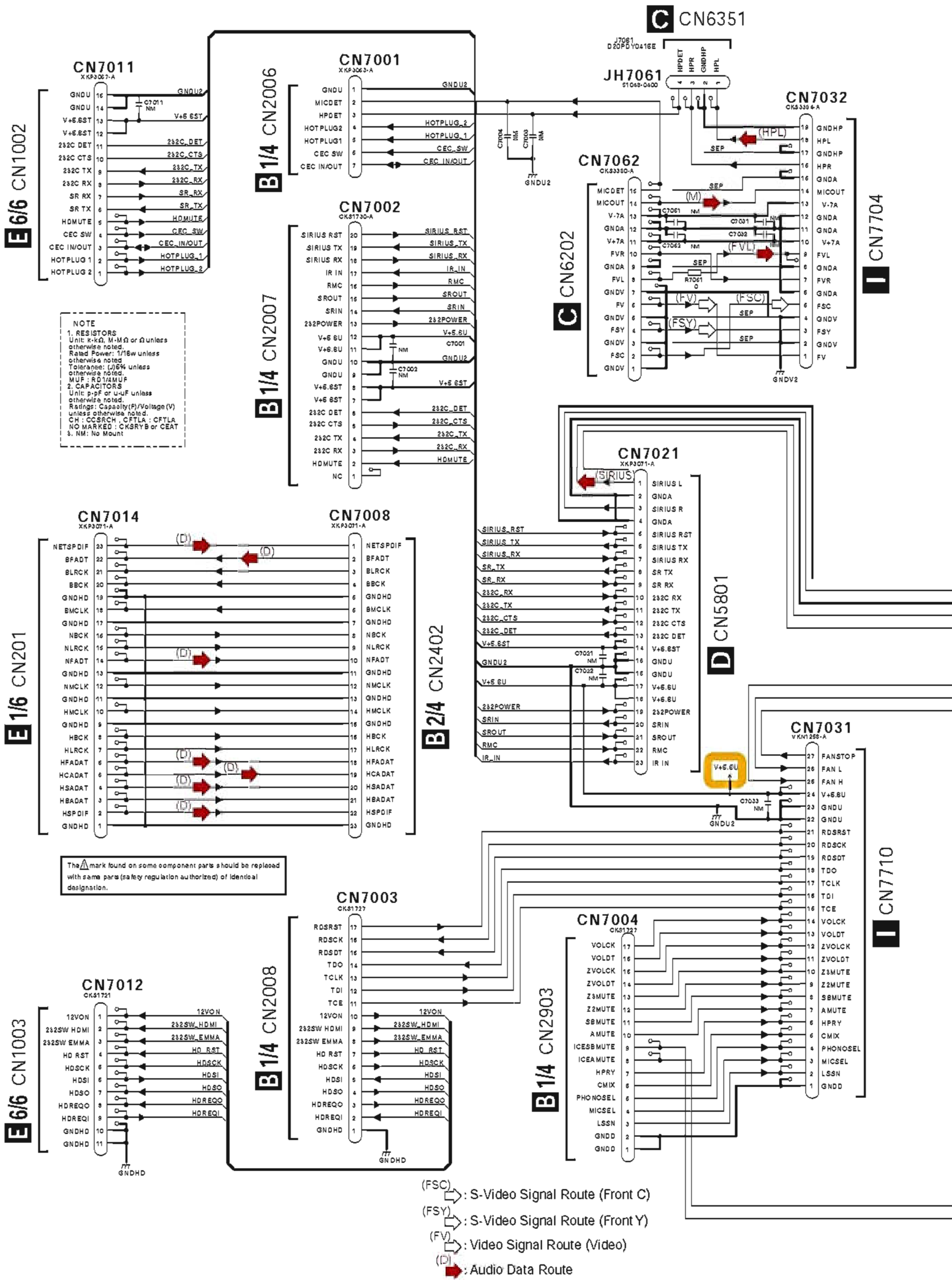
10.13 HDMI NETWORK ASSY (6/6)

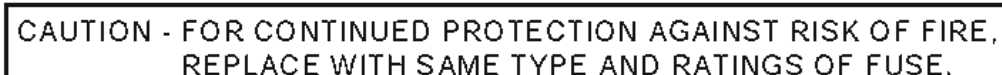
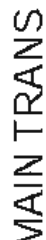
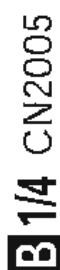


E 6/6 HDMI NETWORK ASSY
(SC-07 : AWX9135)
(SC-05 : AWX9190)



10.14 INTERFACE ASSY



F

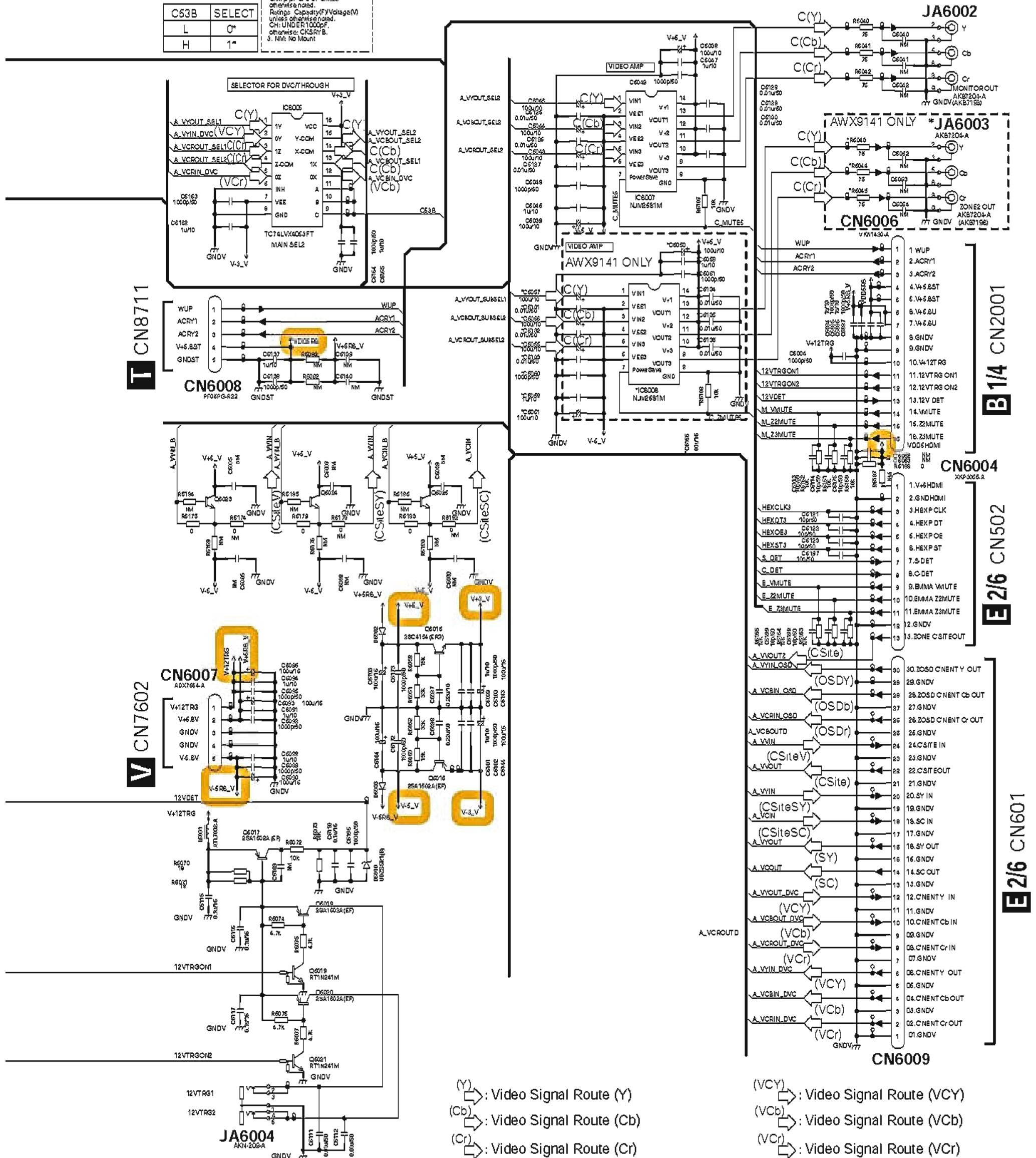
G



G COMPONENT ASSY (SC-07 : AWX9141) (SC-05 : AWX9211)

NOTE	
1. RESISTORS Unit: kΩ, MΩ or Ω unless otherwise noted. Rated Power: 1/8W unless otherwise noted. Tolerance: 0.5% unless otherwise noted.	
2. CAPACITORS Unit: pF or μF unless otherwise noted. Ratings: Capacitance (FV) Voltage (V) unless otherwise noted. CH: UNDER 1000pF, otherwise: CKSRYB. 3. NIM: No Mount	

C53B	SELECT
L	0*
H	1*



(CSiteSY) : Video Signal Route (Composite Y)
(CSiteV) : Video Signal Route (Composite Video)
(CSite) : Video Signal Route (Composite)

(Y) : Video Signal Route (Y)
(Cb) : Video Signal Route (Cb)
(Cr) : Video Signal Route (Cr)
(CY) : Video Signal Route (Component Y)
(Cb) : Video Signal Route (Component Cb)
(Cr) : Video Signal Route (Component Cr)

(VCY) : Video Signal Route (VCY)
(VCb) : Video Signal Route (VCb)
(VCr) : Video Signal Route (VCr)
(OSDY) : Video Signal Route (OSDY)
(OSDb) : Video Signal Route (OSDb)
(OSDr) : Video Signal Route (OSDr)

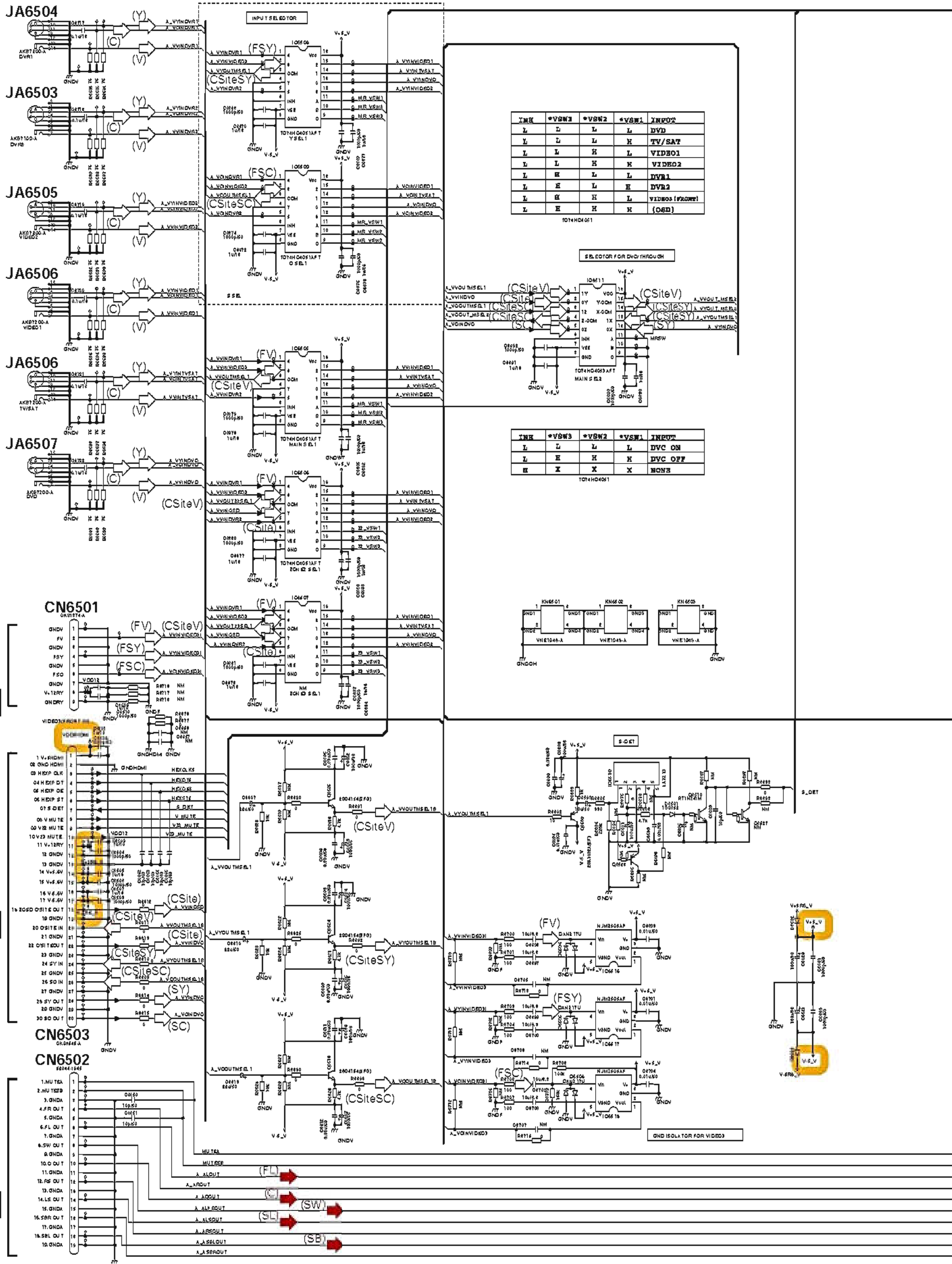
10.16 COMPOSITE S ASSY

I CN7708

J CN8602

N CN6951

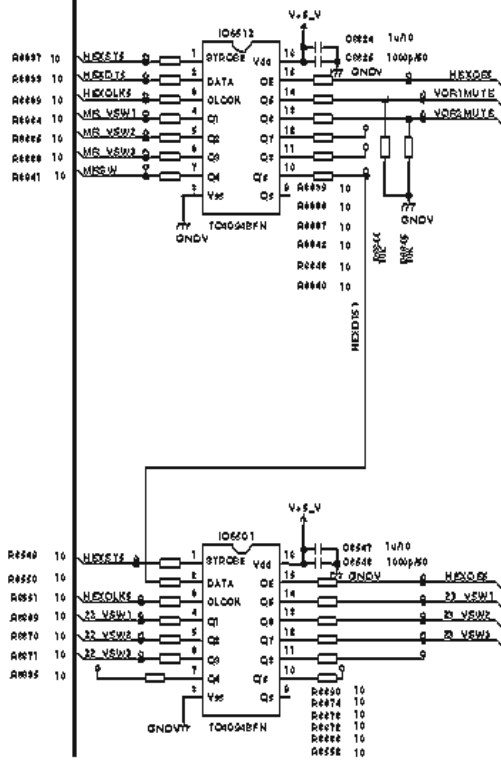
H



IN	*VSW3	*VSW2	*VSW1	INPUT
L	L	L	L	DVD
L	L	L	H	TV/SAT
L	L	H	L	VIDEO1
L	L	H	H	VIDEO2
L	H	L	L	DV1
L	H	L	H	DV2
L	H	H	L	VIDEO3 (FRONT)
L	H	H	H	{O&D}

IN	*VSW3	*VSW2	*VSW1	INPUT
L	L	L	L	DVC ON
L	H	H	H	DVC OFF
H	X	X	X	NONE

COMPOSITE S ASSY (AWX9144)

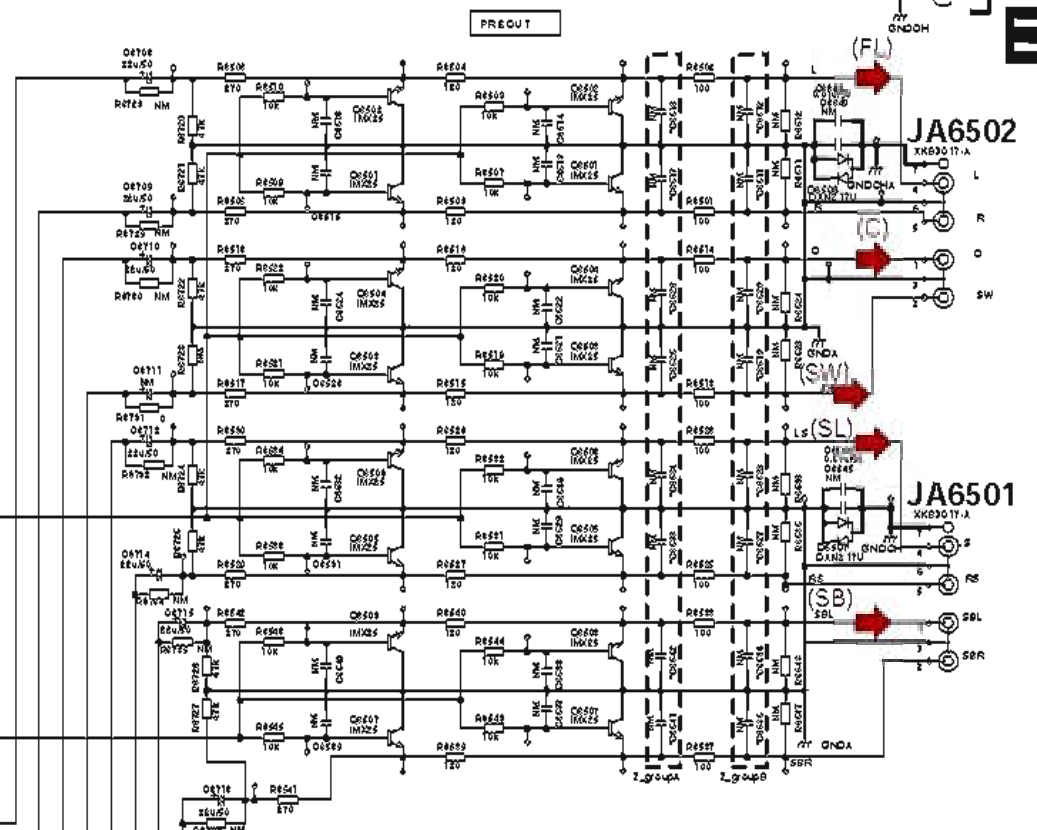


AWX9144- / 2			
C6517	100p	C6527	100p
C6518	100p	C6528	100p
C6519	100p	C6529	100p
C6520	100p	C6530	100p
C6521	100p	C6531	100p
C6522	100p	C6532	100p
C6523	100p	C6533	100p
C6524	100p	C6534	100p
C6525	100p	C6535	100p
C6526	100p	C6536	100p

L: ACTIVE (MUTE)		
V MUTE	VOUT1_2MUTE	MONITOR_V.C.V
VCR1MUTE	VOUT3_5MUTE	VCR1Y_1C.1V
VCR2MUTE	VOUT4_5MUTE	VCR2Y_2C.2V

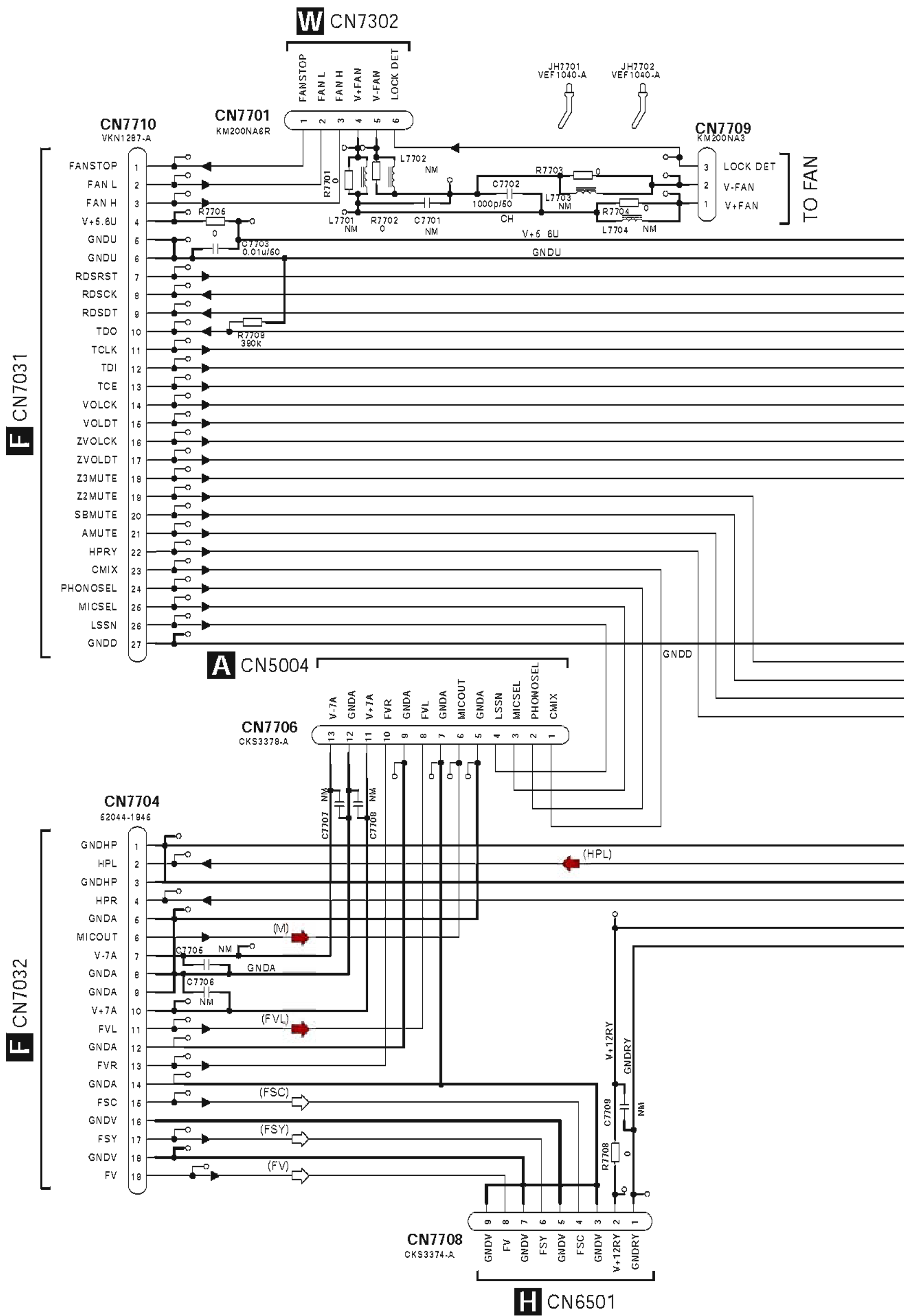
(FSC) S-Video Signal Route (Front C)
(FSY) S-Video Signal Route (Front Y)
(FV) Video Signal Route (Video)

(SC) S-Video Signal Route (C)
(SY) S-Video Signal Route (Y)
(CSiteSC) Video Signal Route (Composite C)
(CSiteSY) Video Signal Route (Composite Y)
(CSiteV) Video Signal Route (Composite Video)
(CSite) Video Signal Route (Composite)
(Y) Video Signal Route (Y)
(C) Video Signal Route (C)
(V) Video Signal Route (V)
(FL) Audio Signal Route (Front L ch)
(SL) Audio Signal Route (Surround L ch)
(C) Audio Signal Route (Center)
(SB) Audio Signal Route (Surround Back L ch)
(SW) Audio Signal Route (Subwoofer)

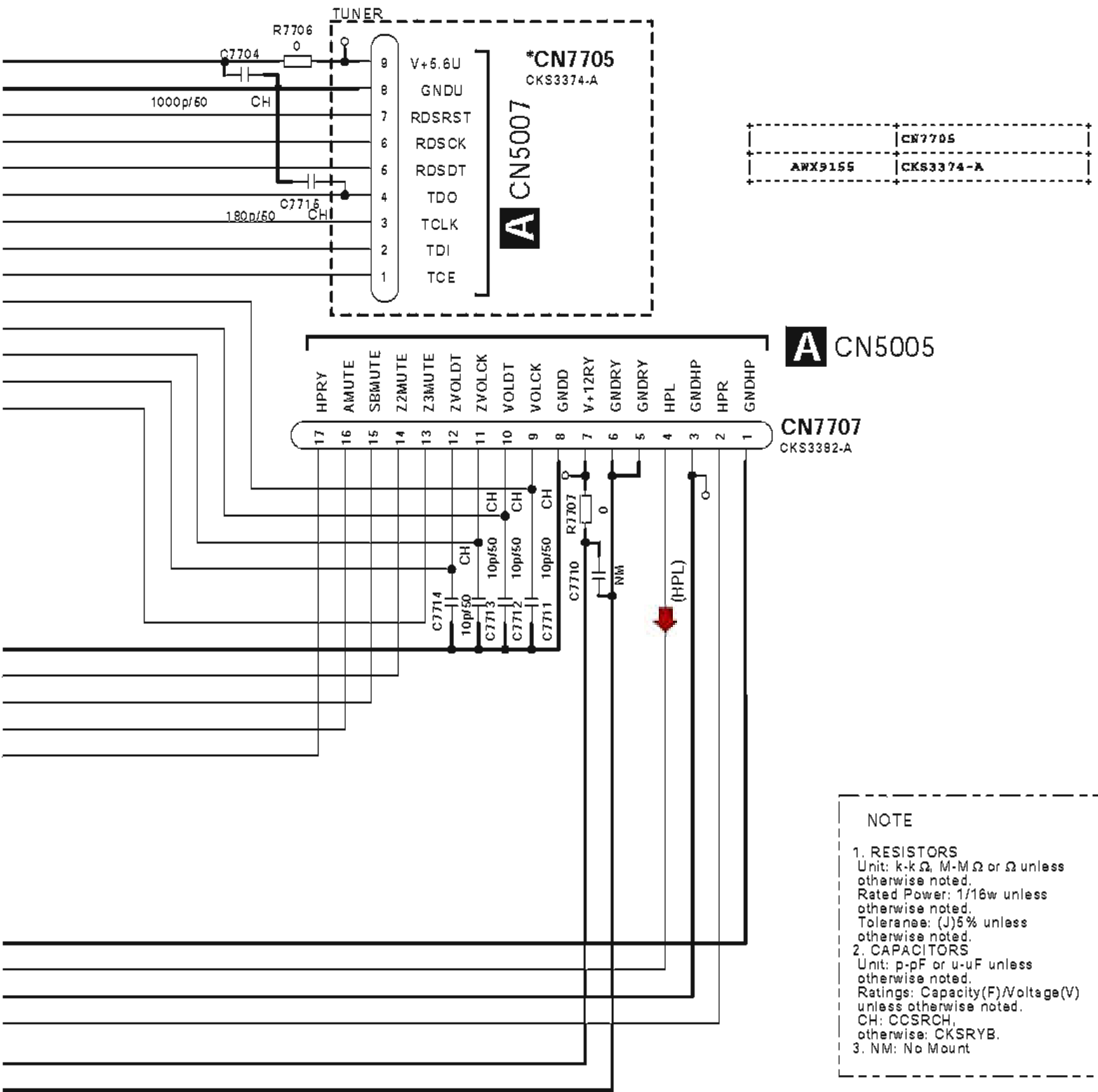


NOTE
1. RESISTORS
UNLESS OTHERWISE SPECIFIED
RESISTOR VALUES ARE IN OHMS
UNLESS OTHERWISE SPECIFIED
2. CAPACITORS
UNLESS OTHERWISE SPECIFIED
CAPACITOR VALUES ARE IN PICO FARADS (P)
UNLESS OTHERWISE SPECIFIED
3. NM: NO MOUNT

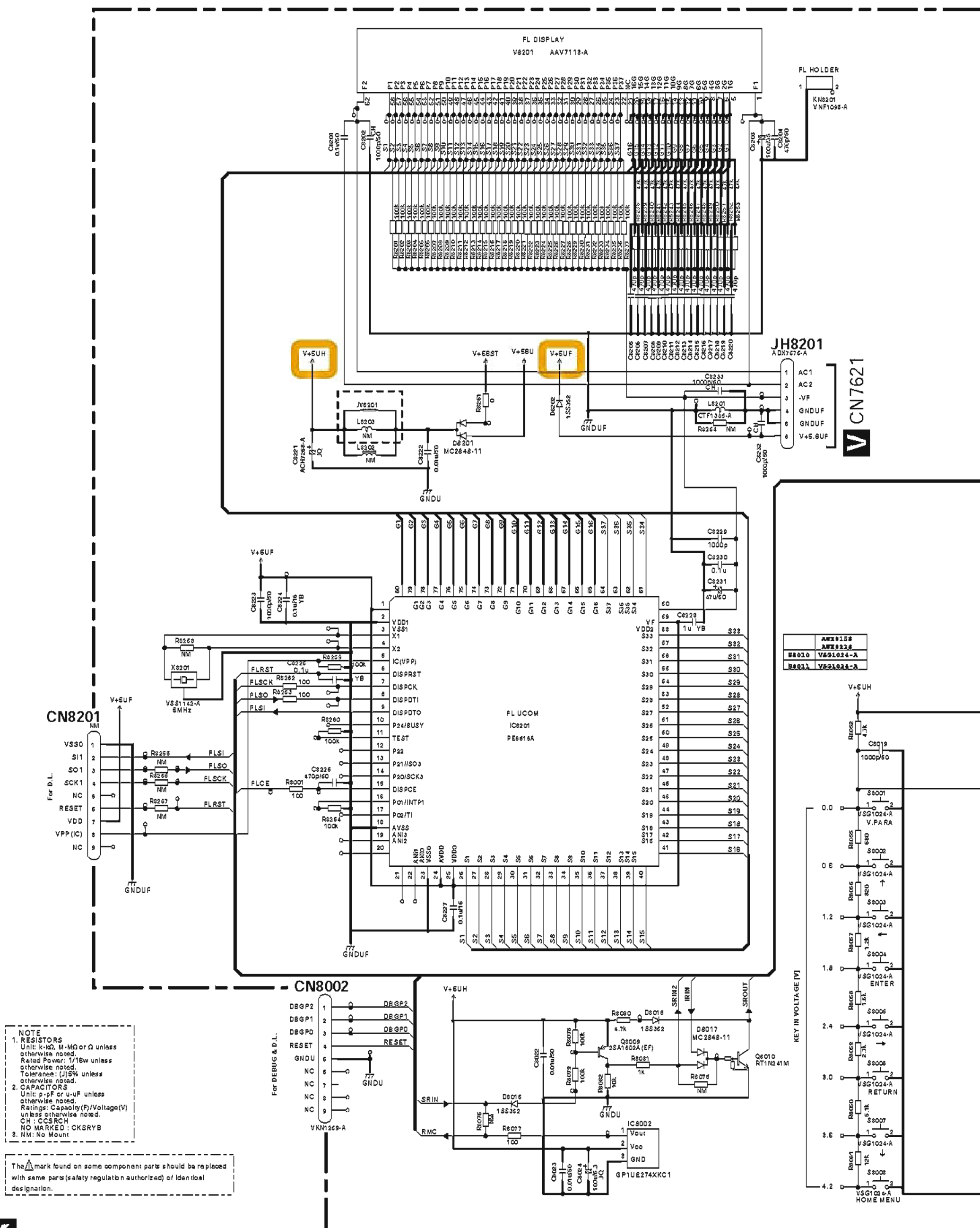
10.17 FRONT BRIDGE ASSY



I FRONT BRIDGE ASSY (AWX9155)

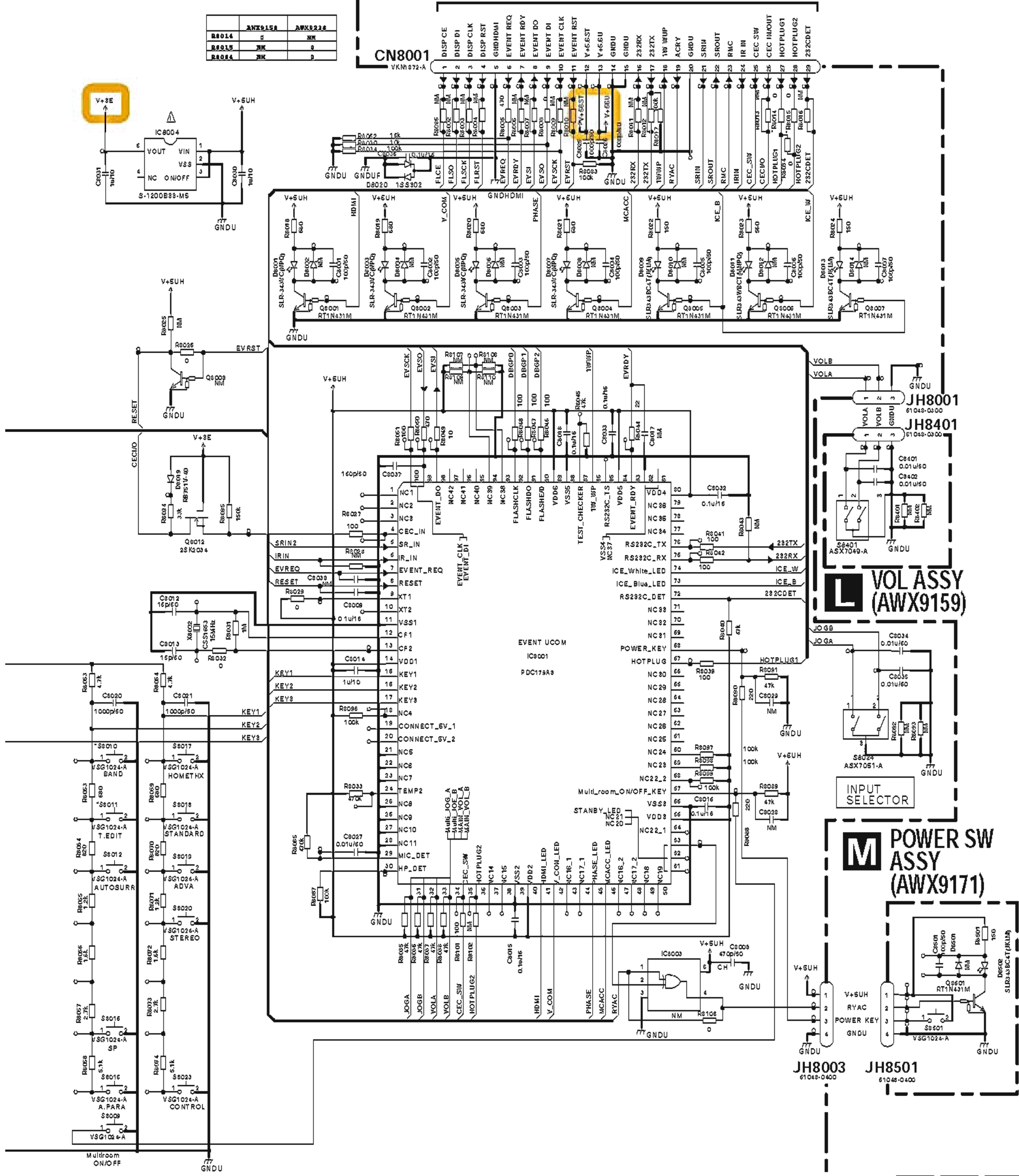


- (FSC) : S-Video Signal Route (Front C)
- (FSY) : S-Video Signal Route (Front Y)
- (FV) : Video Signal Route (Video)
- (FVL) : Audio Signal Route (Video L ch)
- (FM) : Audio Signal Route (Mic)
- (HPL) : Audio Signal Route (Headphone L ch)



K DISPLAY ASSY (SC-07 : AWX9158) (SC-05 : AWX9238)

B 1/4 CN2002



L VOL ASSY (AWX9159)

M POWER SW ASSY (AWX9171)

JH8003 61048-0400

JH8501 61048-0400

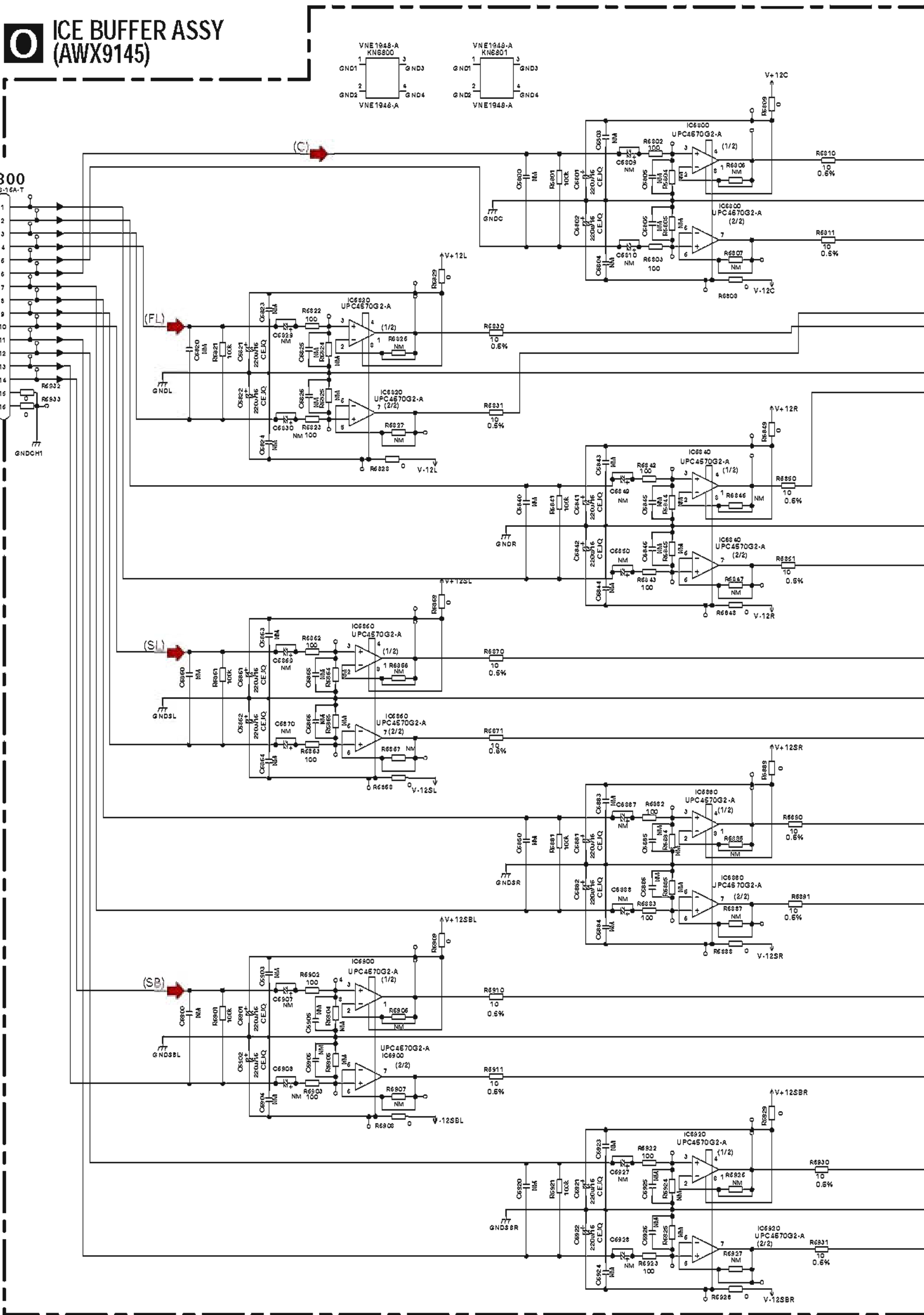
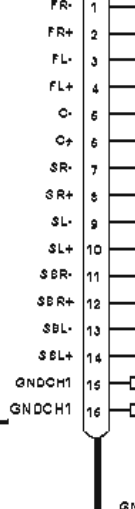
10.19 PRE BRIDGE, ICE BUFFER, ICE SHIELD and PRIMARY GUARD ASSYS

ICE BUFFER ASSY (AWX9145)

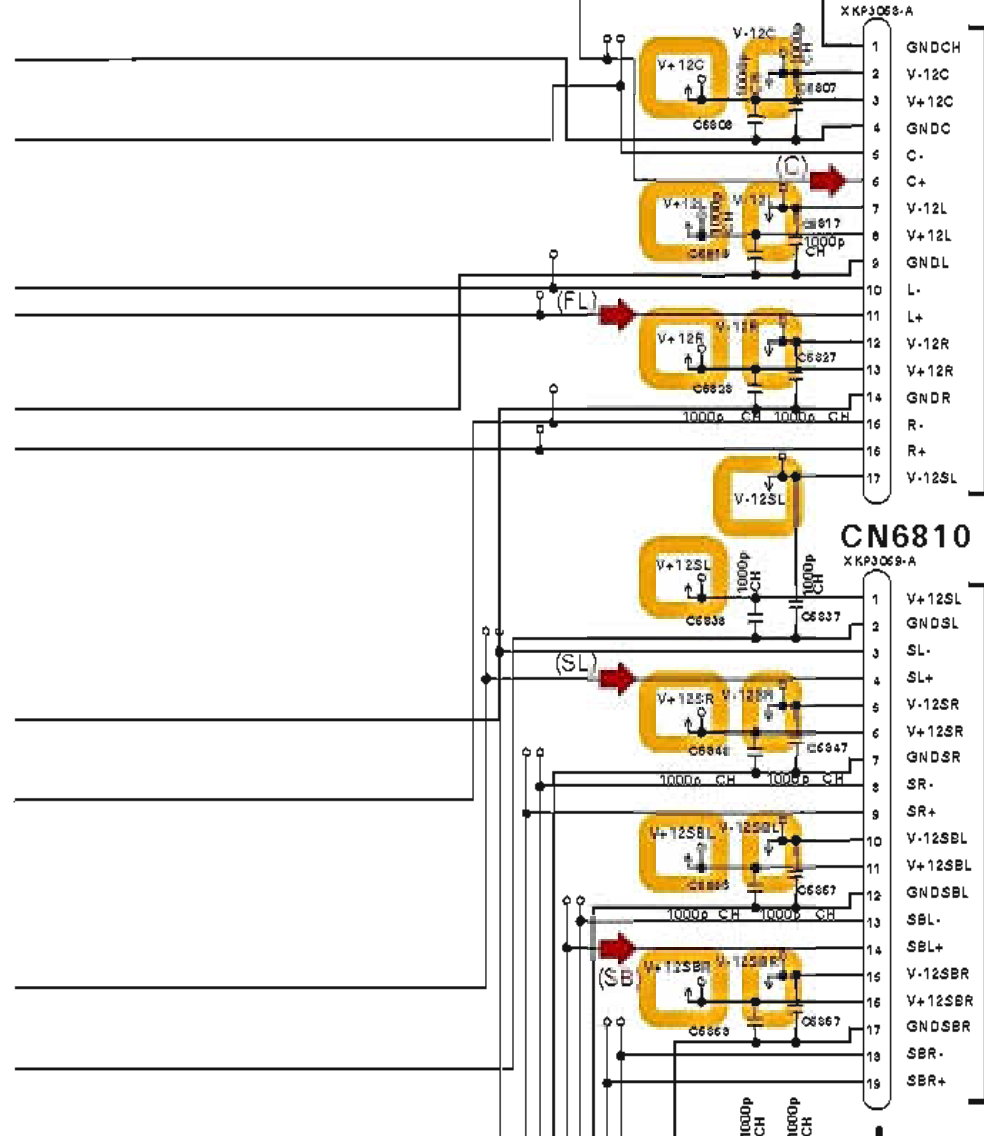
N CN6953

CN6800

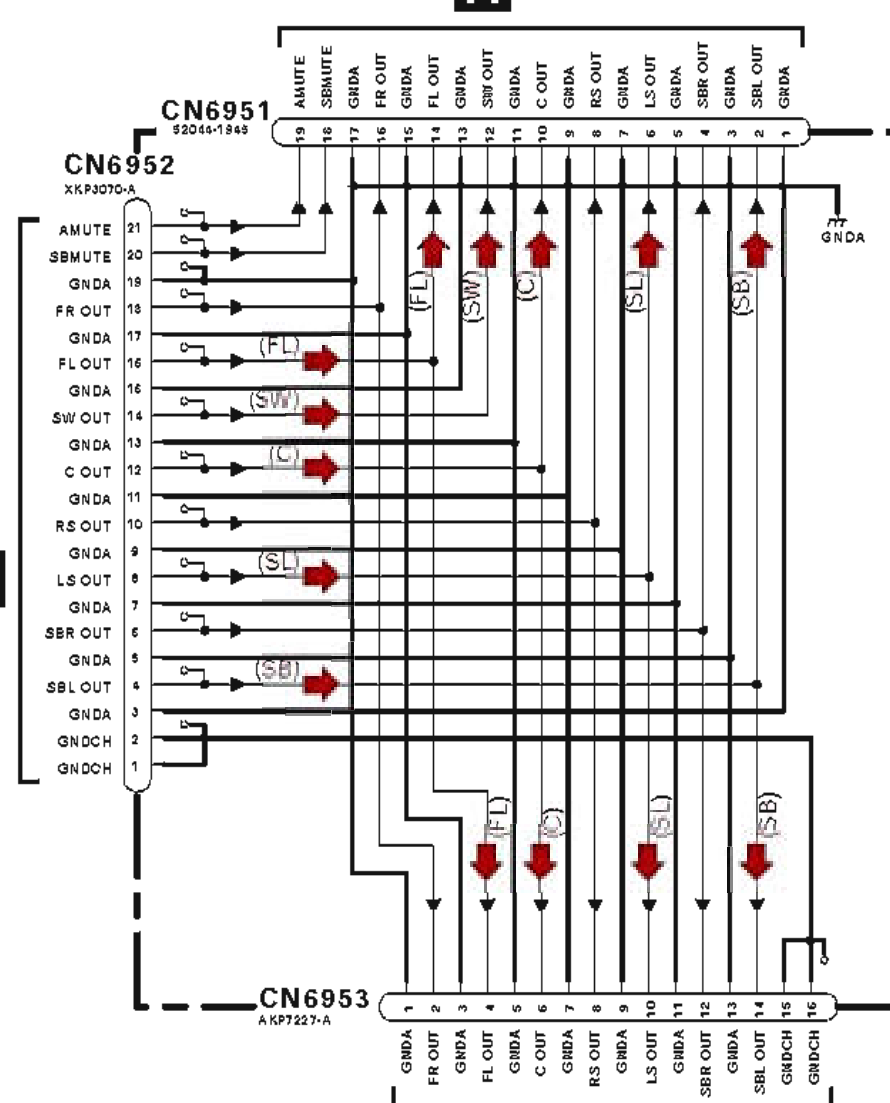
IMSA-9650B-16A-T



R ICE SHIELD ASSY
(AWX9173)



CN6502



- (FL) → Audio Signal Route (Front L ch)
- (SL) → Audio Signal Route (Surround L ch)
- (C) → Audio Signal Route (Center)
- (SB) → Audio Signal Route (Surround Back L ch)
- (SW) → Audio Signal Route (Subwoofer)

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.

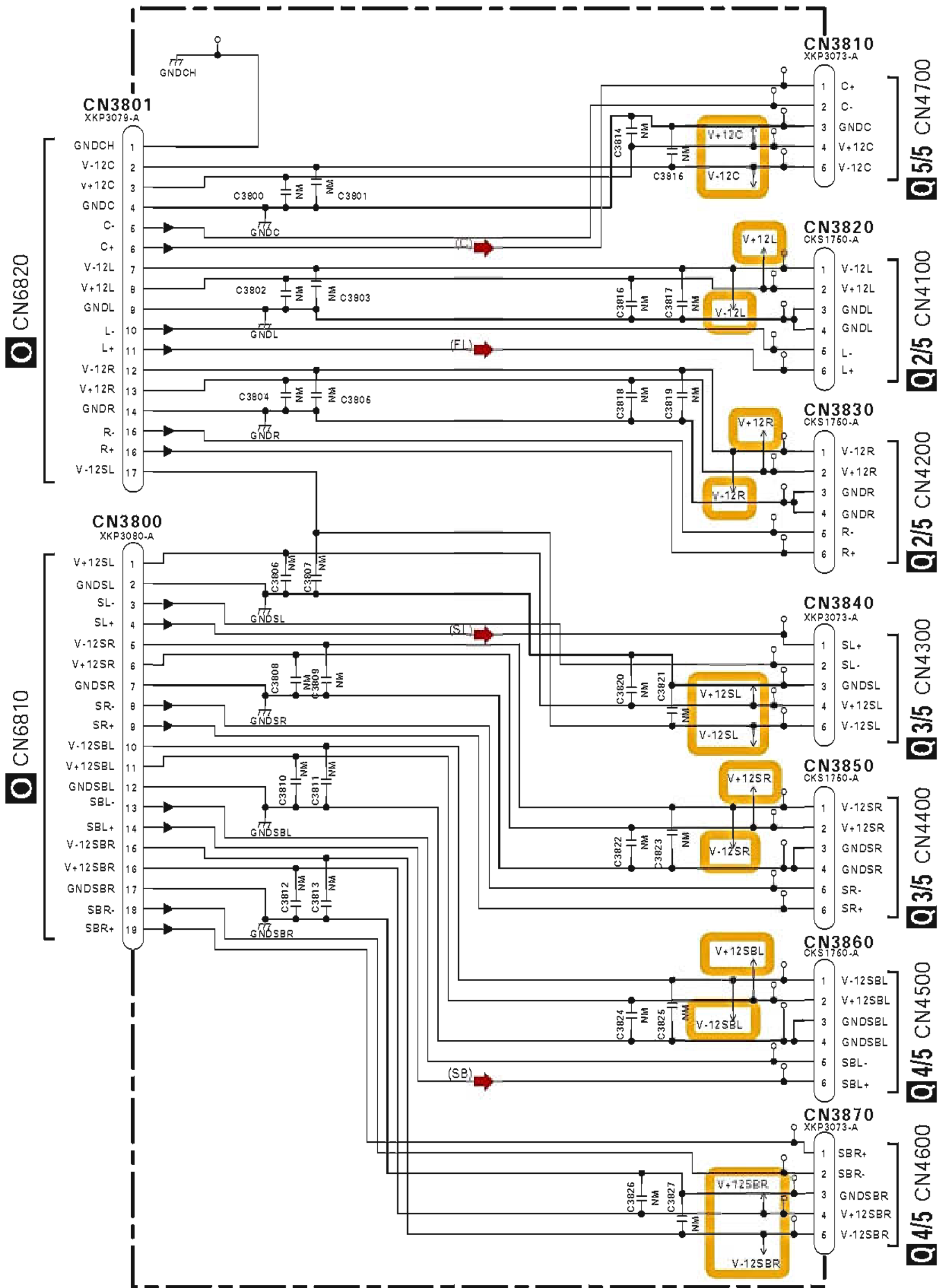
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Rating: Capacitance (C) and Voltage (V) unless otherwise noted.

3. Y-B-C-K-S-R-Y-B-C-H-C-S-R-C-H
3. NM: No Mount.

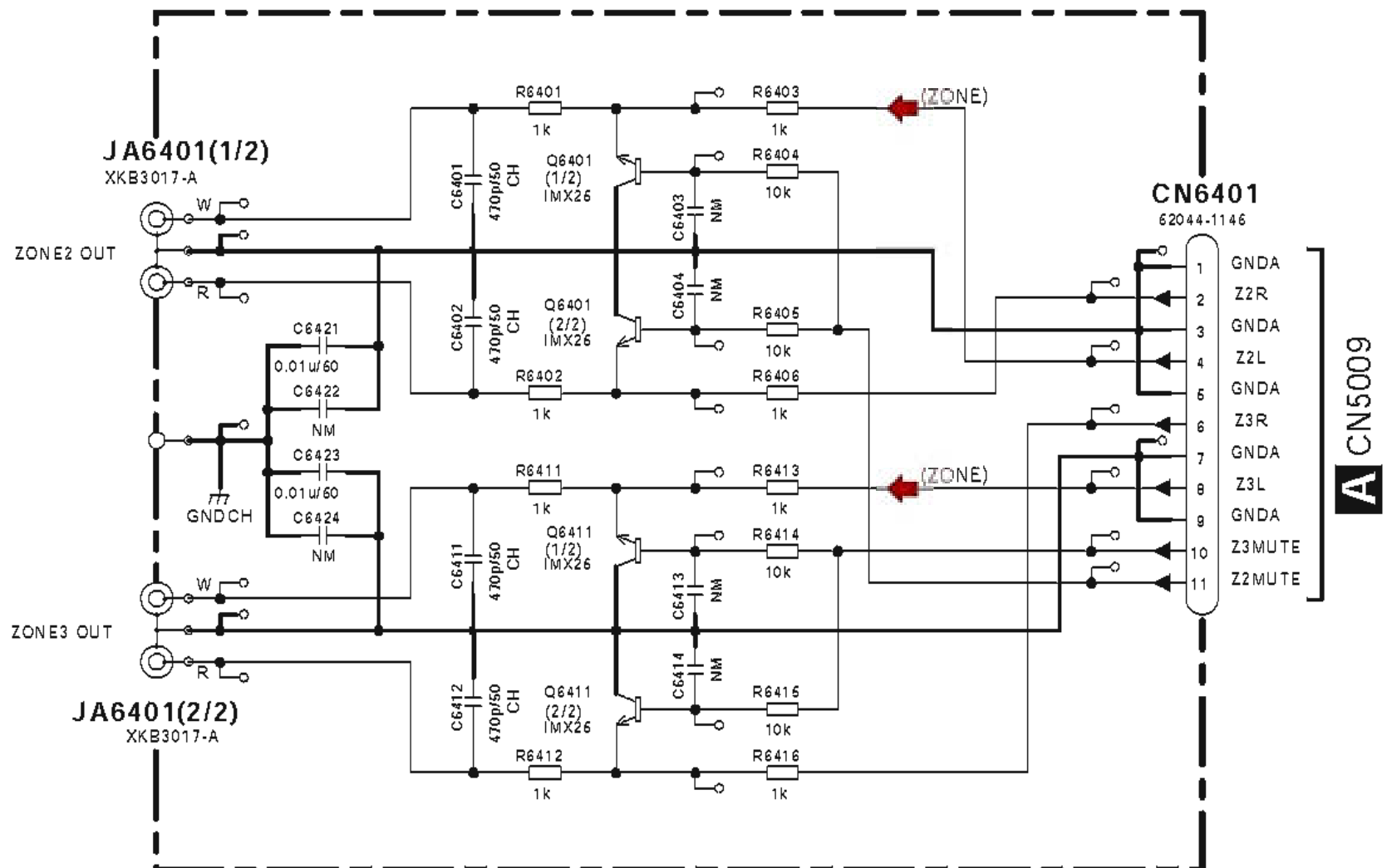
1608 SIZE	2125 SIZE	5216 SIZE
RS1/16S*** RN1/16S***	RS1/10S***  RS1/8SQ*** 1/8W	RS1/8S***  RS1/4SA*** 1/4W
 CCSR*** CKSR***	 CCSQ*** CKSQ*** 2125	 CCS*** CKS*** 5216

10.20 ICE INTERFACE and ZOUT ASSYS

P ICE INTERFACE ASSY (AWX9137)

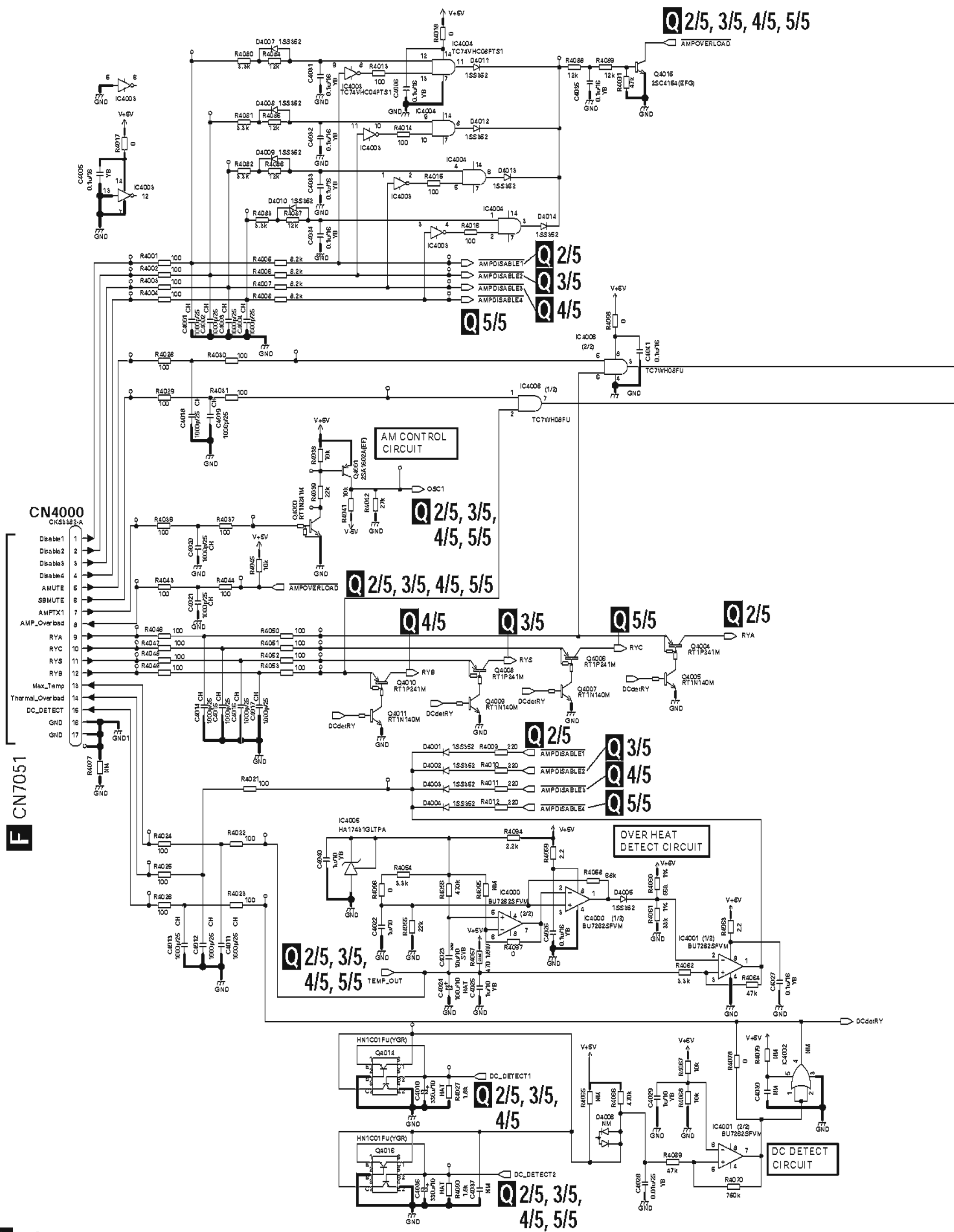


S ZOUT ASSY
(AWX9143)

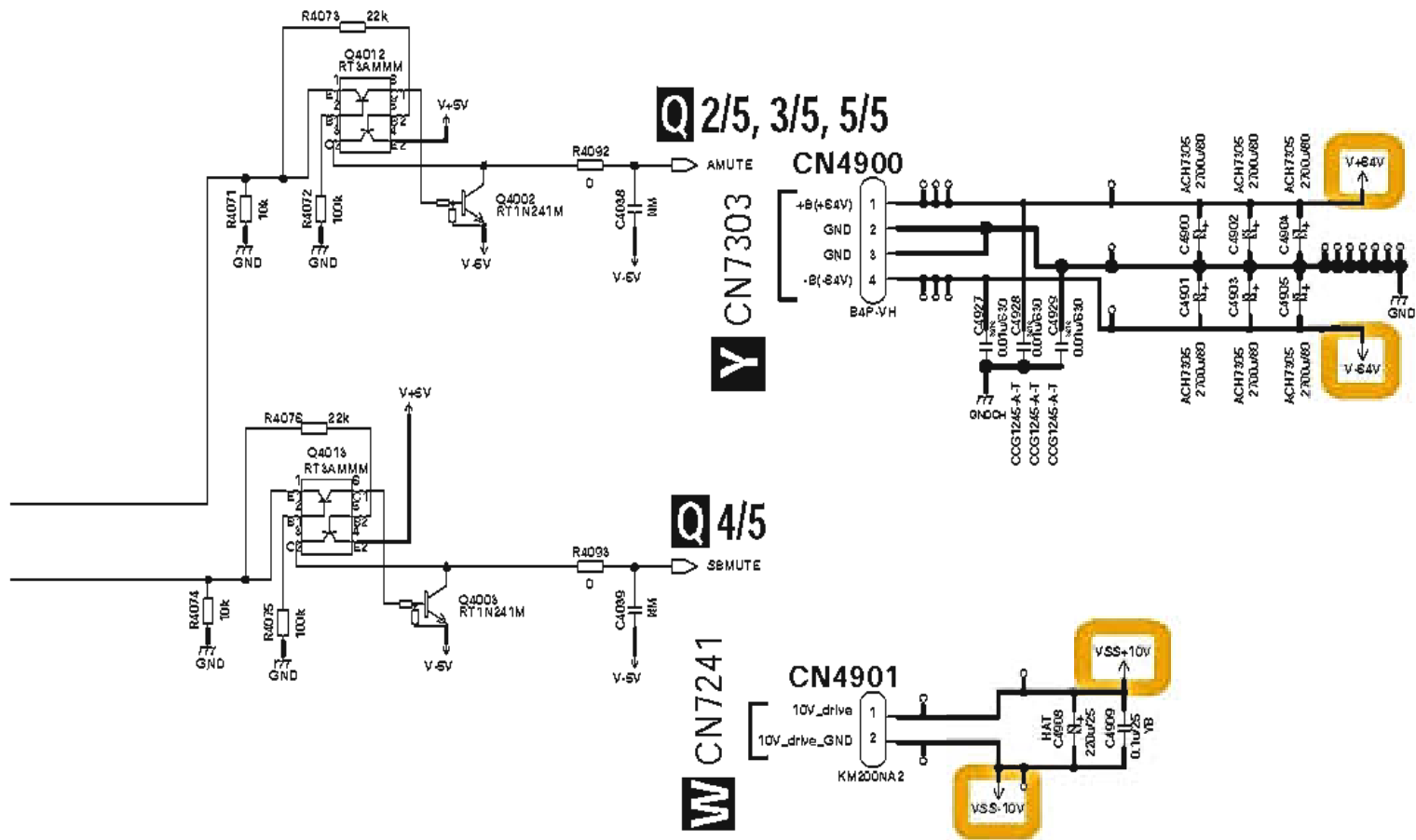


- (FL) : Audio Signal Route (Front L ch)
- (SL) : Audio Signal Route (Surround L ch)
- (C) : Audio Signal Route (Center)
- (SB) : Audio Signal Route (Surround Back L ch)
- (ZONE) : Audio Signal Route (Zone L ch)

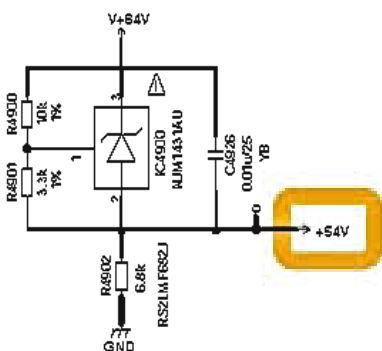
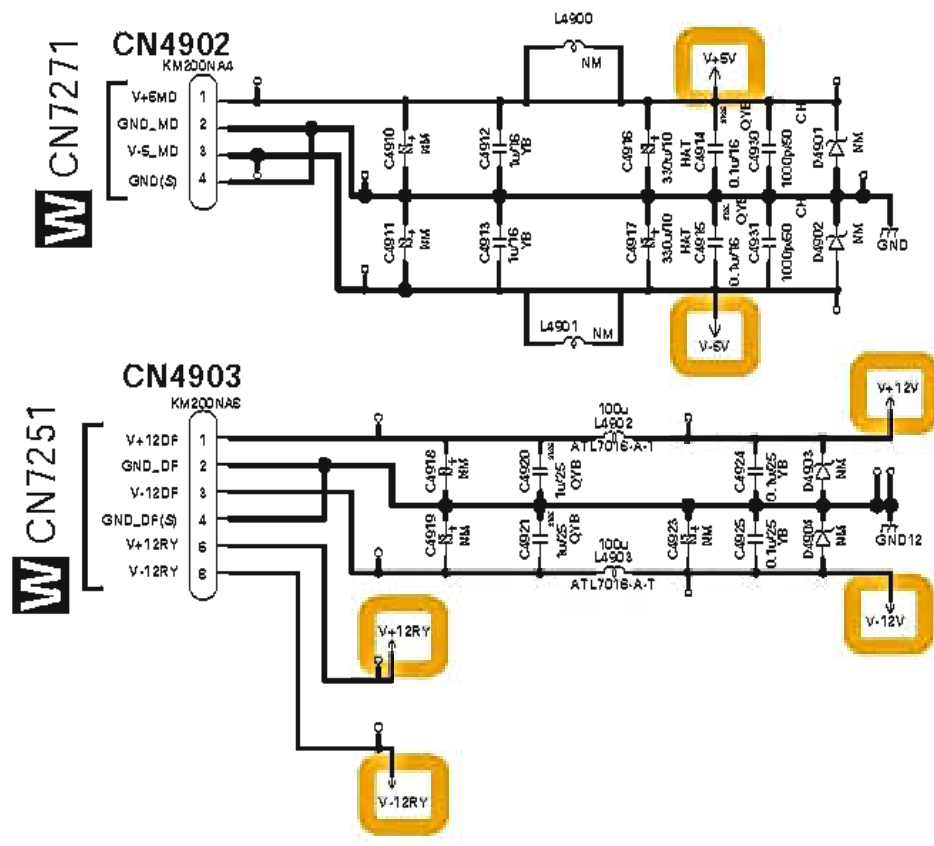
10.21 ICEPOWER AMP ASSY (1/5)



Q 1/5 ICEPOWER AMP ASSY
(AWH7015)



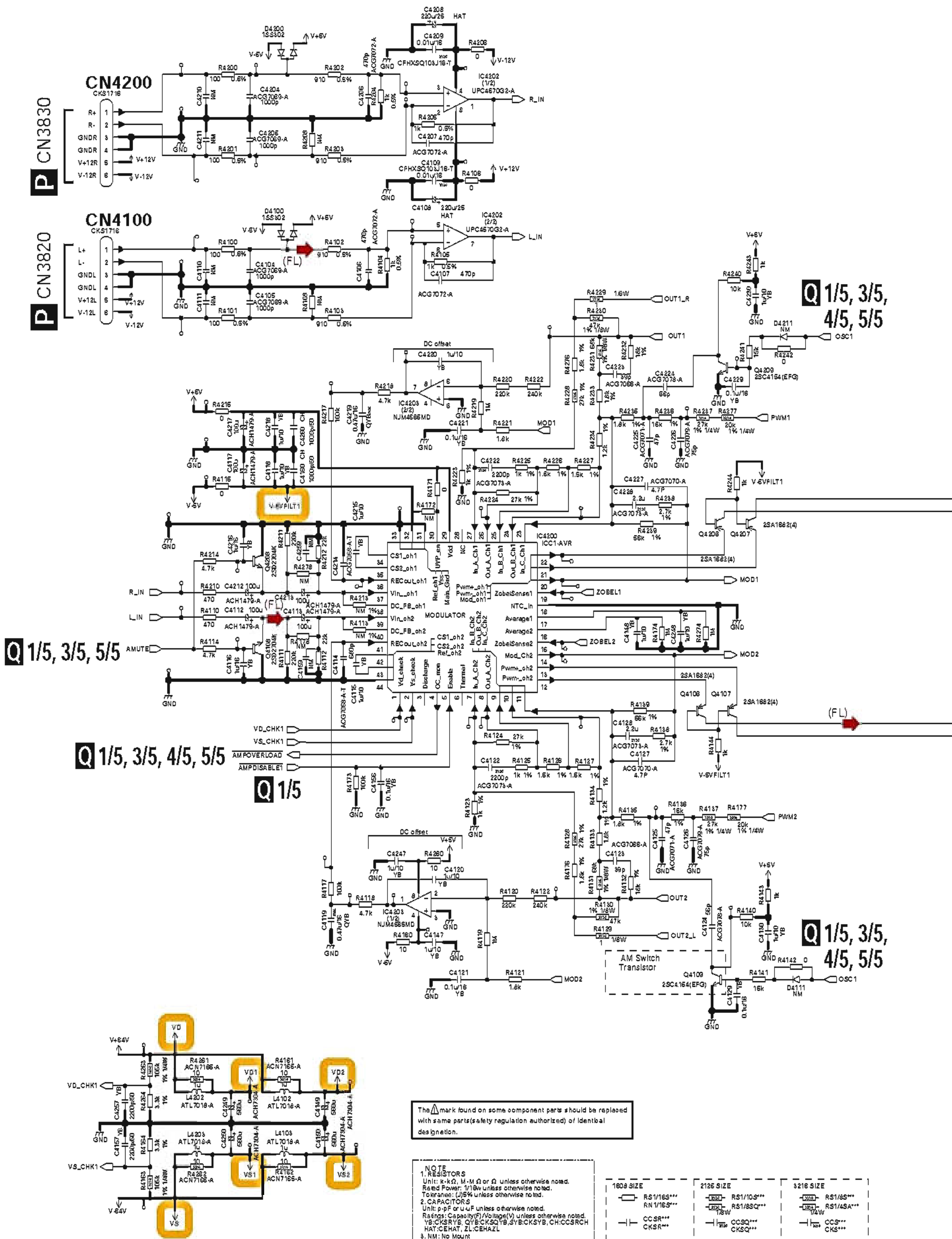
The Δ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.



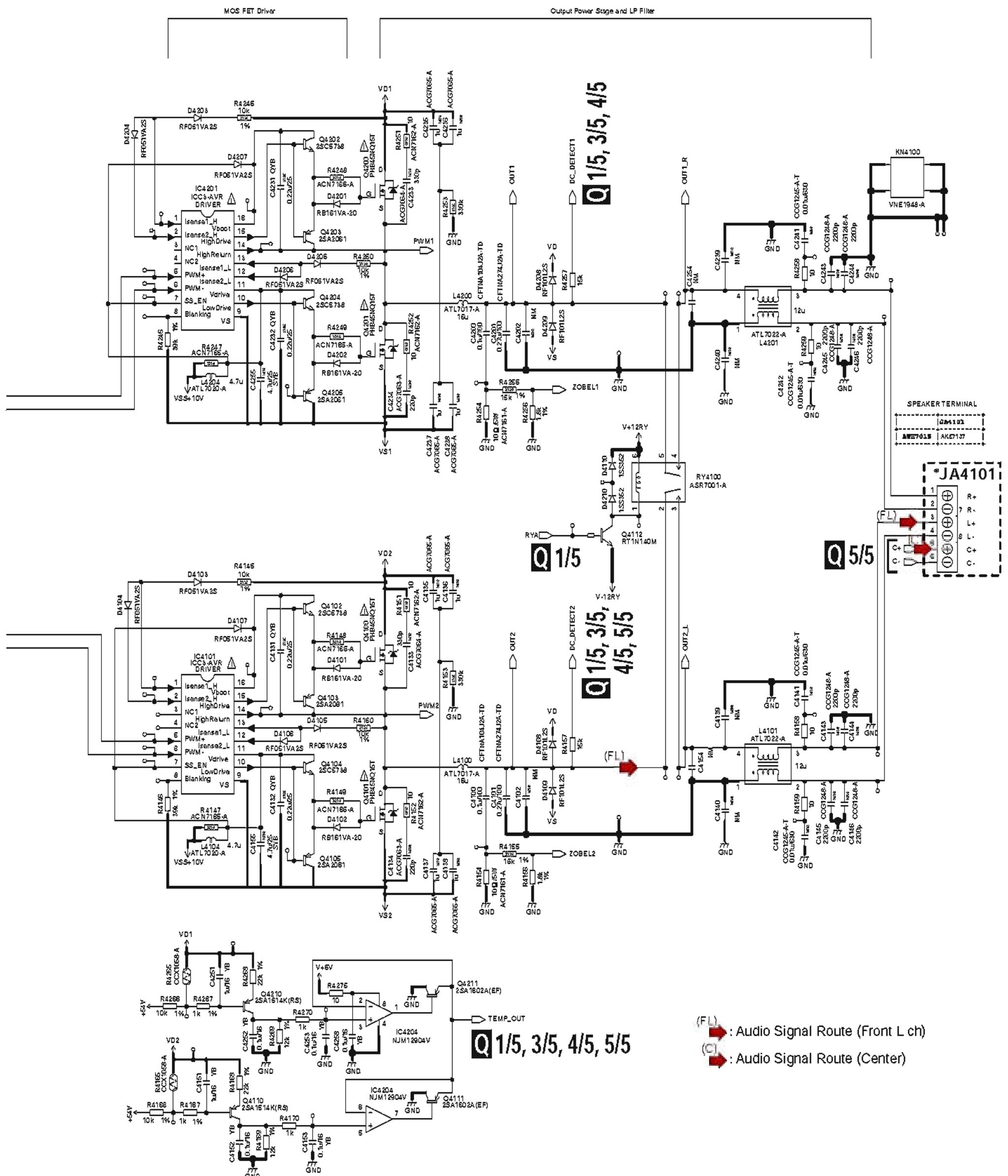
NOTE
1. RESISTORS
Unit: k- Ω , M- Ω or Ω unless otherwise noted.
Rated Power: 1/16W unless otherwise noted.
Tolerance: (J) 5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or μ -F unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
YB:CKSR YB, QYB:CKSQ YB, SYB:CKSYB, CH:CCSRCH
HAT:CEHAT, ZL:CEHAZL
3. NM, No Mount

1608 SIZE	2126 SIZE	3216 SIZE
RS1/16S*** RN1/16S***	RS1/10S*** RS1/8SQ*** 1/16W	RS1/8S*** RS1/4SA*** 1/16W
CCSR*** CKSR***	CCSQ*** CKSQ***	CCS*** CKS***

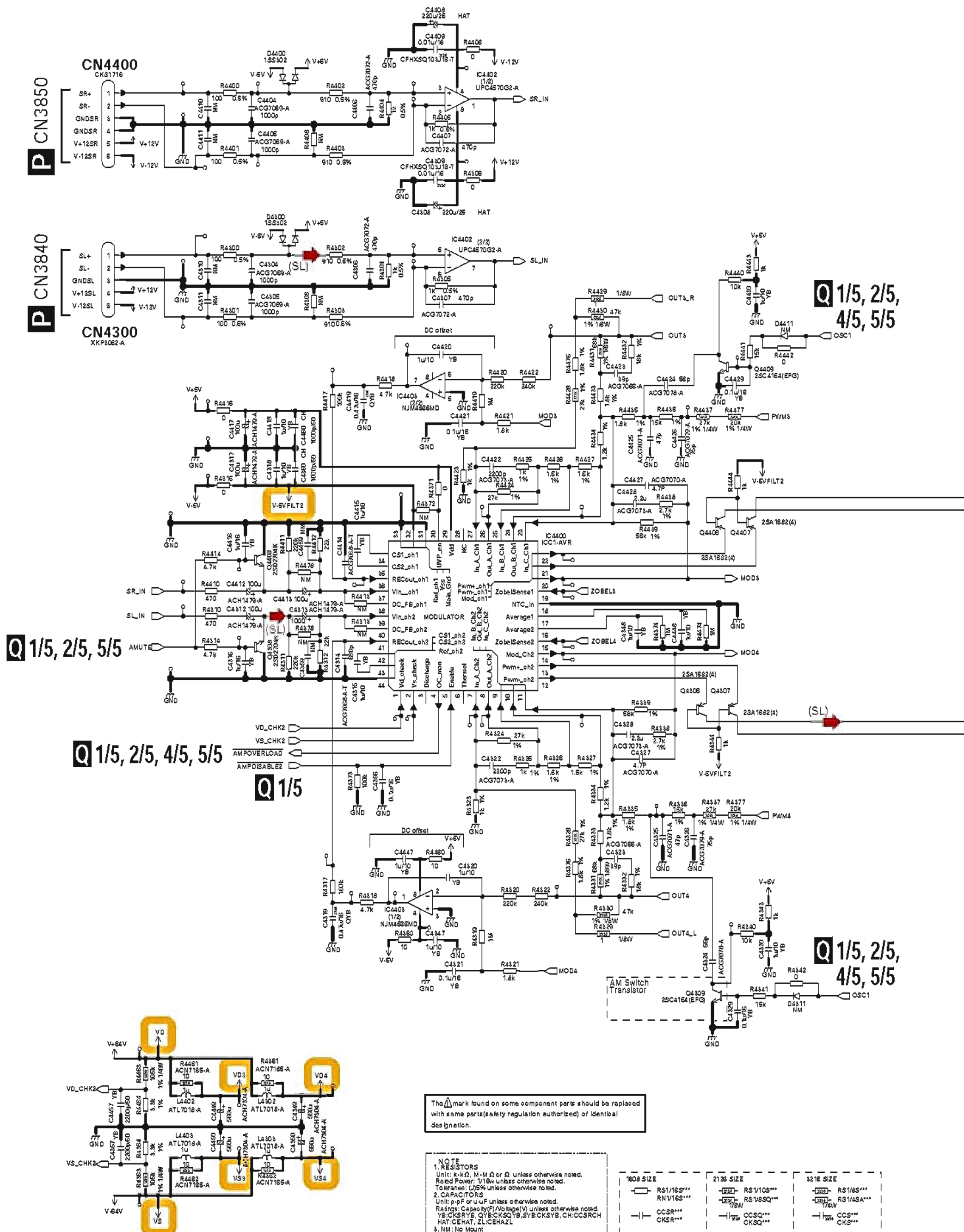
10.22 ICEPOWER AMP ASSY (2/5)



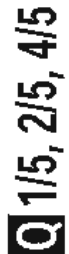
Q 2/5 ICEPOWER AMP ASSY
(AWH7015)



10.23 ICEPOWER AMP ASSY (3/5)



Q



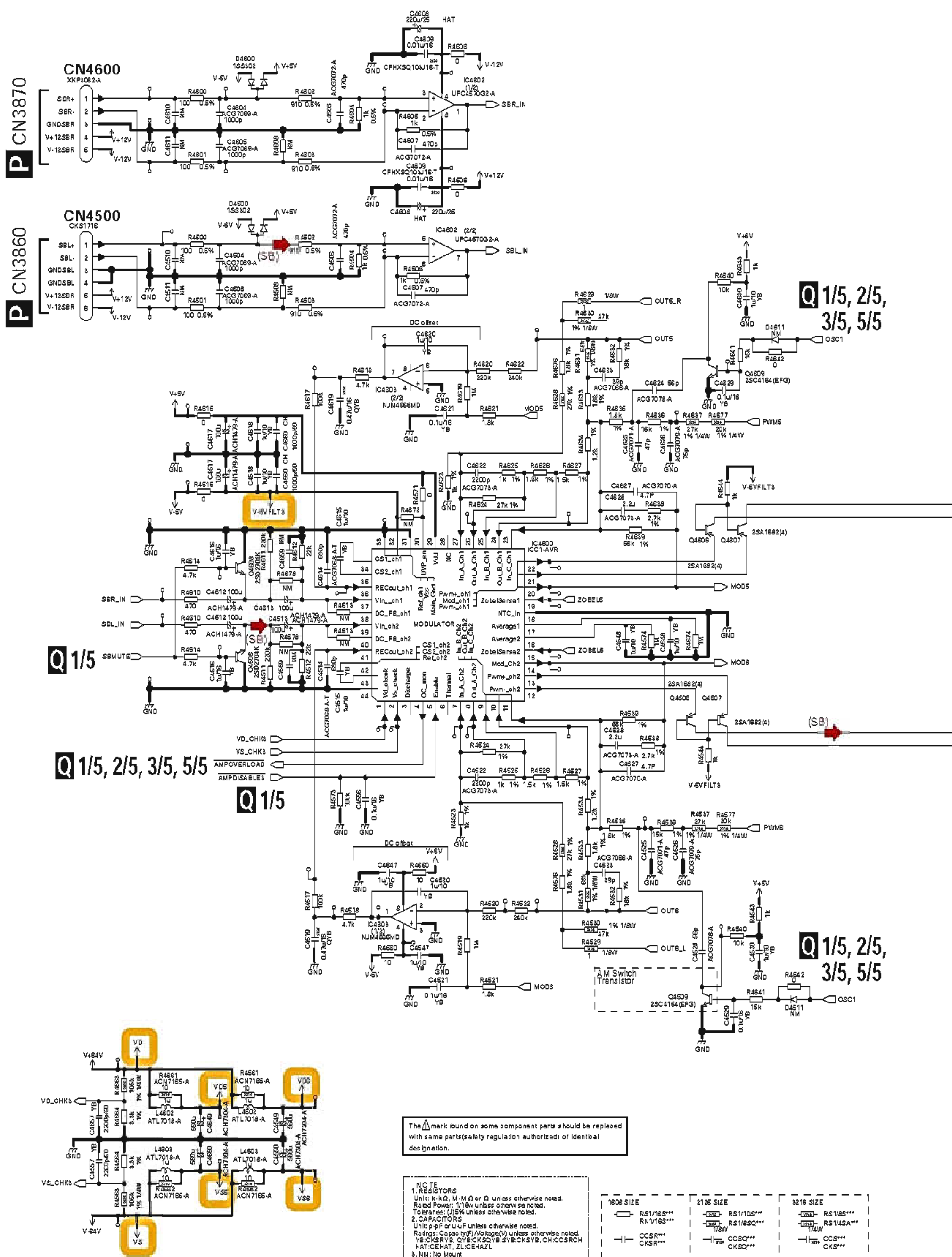
Q 1/5

Q $1/5, 2/5,$

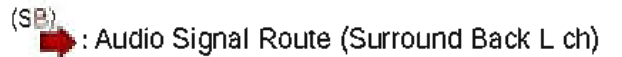
Q $1/5, 2/5, 4/5, 5/5$

(S1)  = Audio Signal Route (Surround L ch)

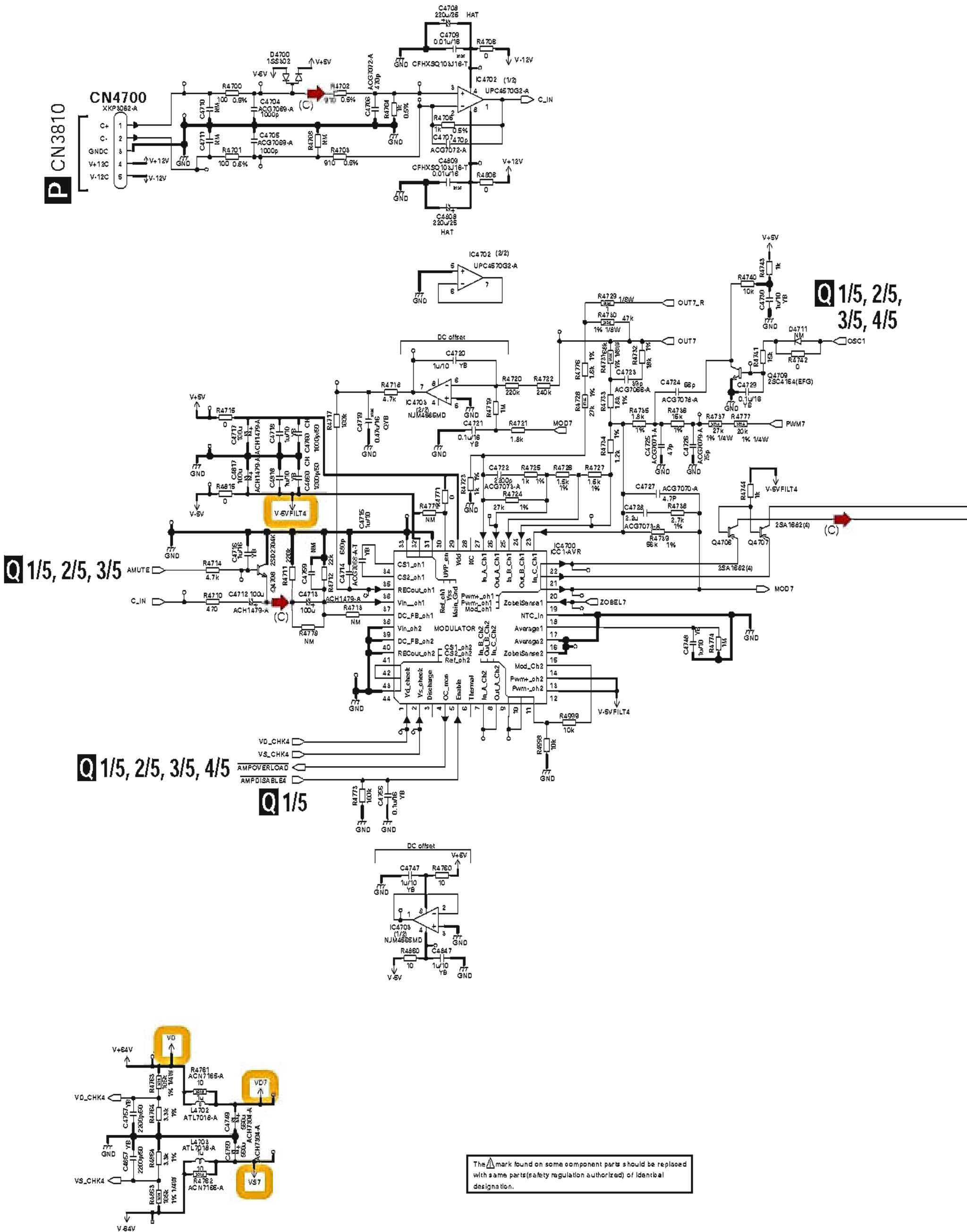
10.24 ICEPOWER AMP ASSY (4/5)



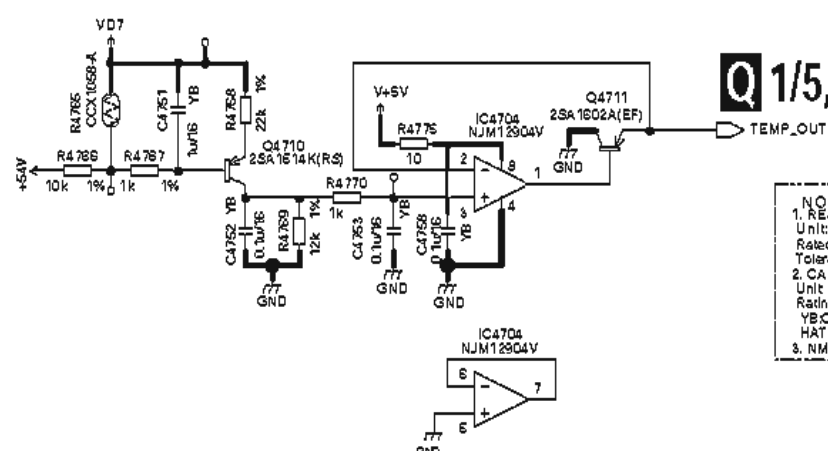
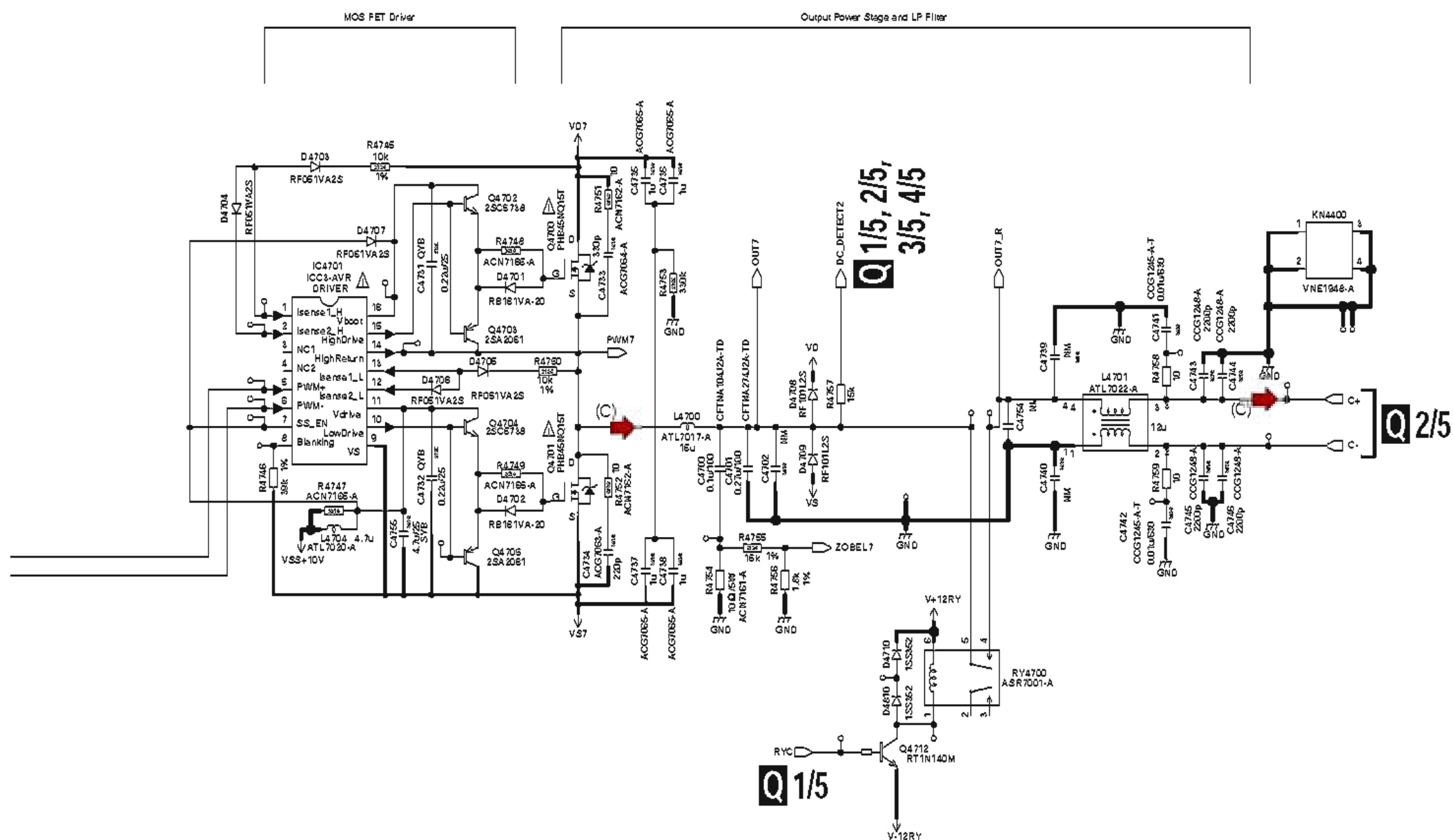
Q



10.25 ICEPOWER AMP ASSY (5/5)



Q 5/5 ICEPOWER AMP ASSY
(AWH7015)



(C) : Audio Signal Route (Center)

Q $1/5, 2/5, 3/5, 4/5$

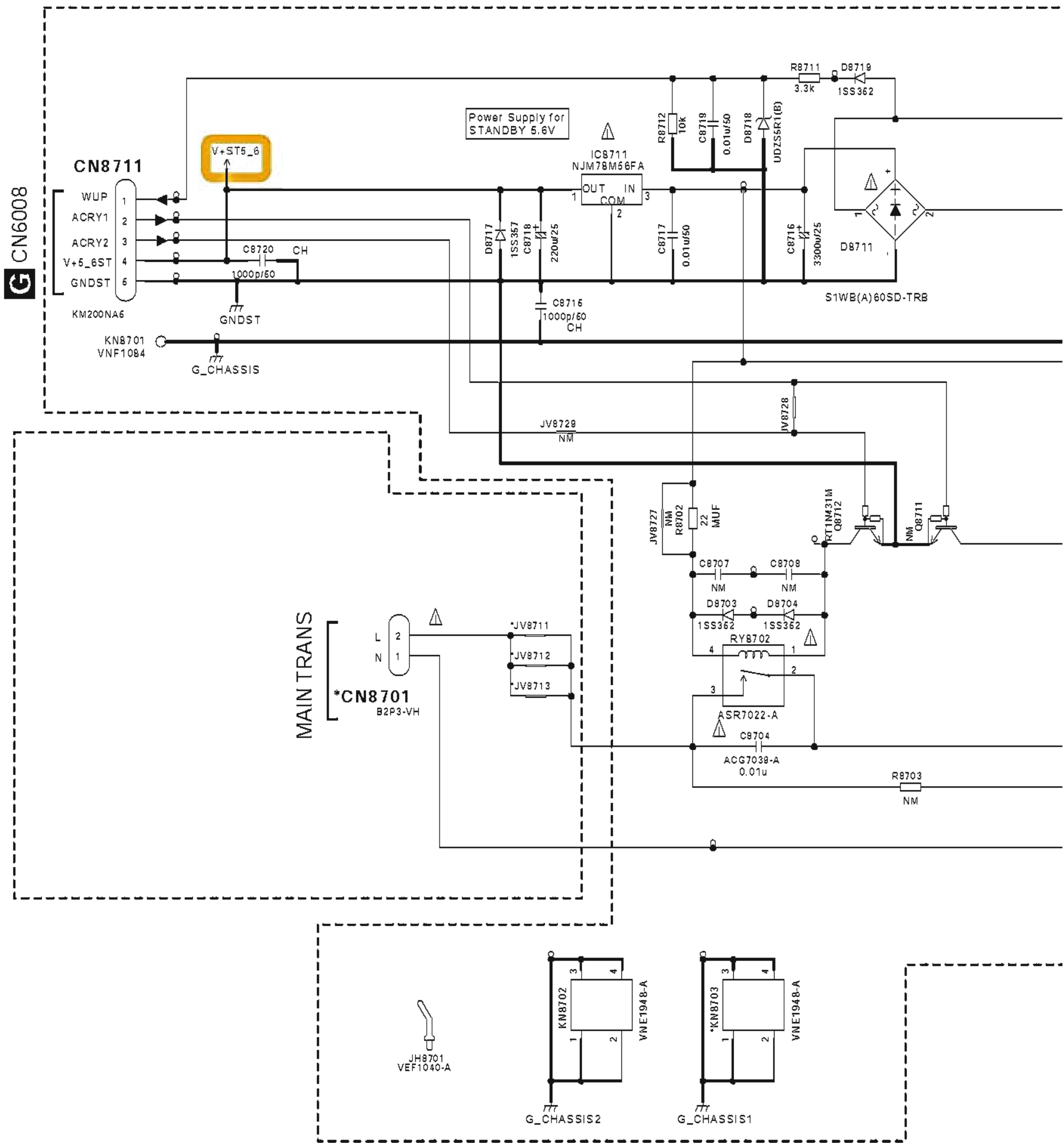
NOTE
1. RESISTORS
 Unit: k- Ω , M-M Ω or Ω unless otherwise noted.
 Rated Power: 1/8W unless otherwise noted.
 Tolerances: (J) 5% unless otherwise noted.
2. CAPACITORS
 Unit: p-pF or u-uF unless otherwise noted.
 Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
 YBC KSRBY, QYBC KSRBY, SYBC KSRBY, CH:CCSRCH
 HAT:CEHAT, LZ:CEH2L
 3. NM: No Mount.

1809 SIZE	2125 SIZE	3216 SIZE
 RS1/16S*** RN1/16S***	 RS1/10S*** RS1/ASQ***	 RS1/8S*** RS1/ASA***
 CCSR*** CKSR***	 CCSQ*** CKSQ***	 CCS*** CKS***

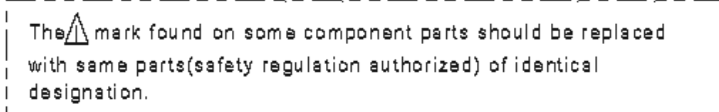
Q 5/5

10.26 PRIMARY ASSY

	ANK9154
CN8701	B2P3-VH
CN8702	NM
JP8701	NM
JP8702	NM
JP8703	NM
JP8701_1	NM
JP8702_1	NM
JP8703_1	NM
JV8711	
JV8712	
JV8713	
S8751	NM



	AWX9154
CN8700	RKP1751-A
HS701	AKR7001-A
HS702	AKR7001-A
HS703	NM
HS704	NM
JA8701	NM
JA8701_1	NM
KN8703	VNE1948-A
TS701	ATT7043-A



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

NOTE

1. RESISTORS
Unit: k-k Ω , M-M Ω or Ω unless otherwise noted.
otherwise noted.
Rated Power: 1/16w unless
otherwise noted.
Tolerance: (J)5% unless
otherwise noted.
MUF : RD1/4MUF

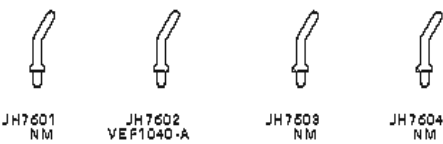
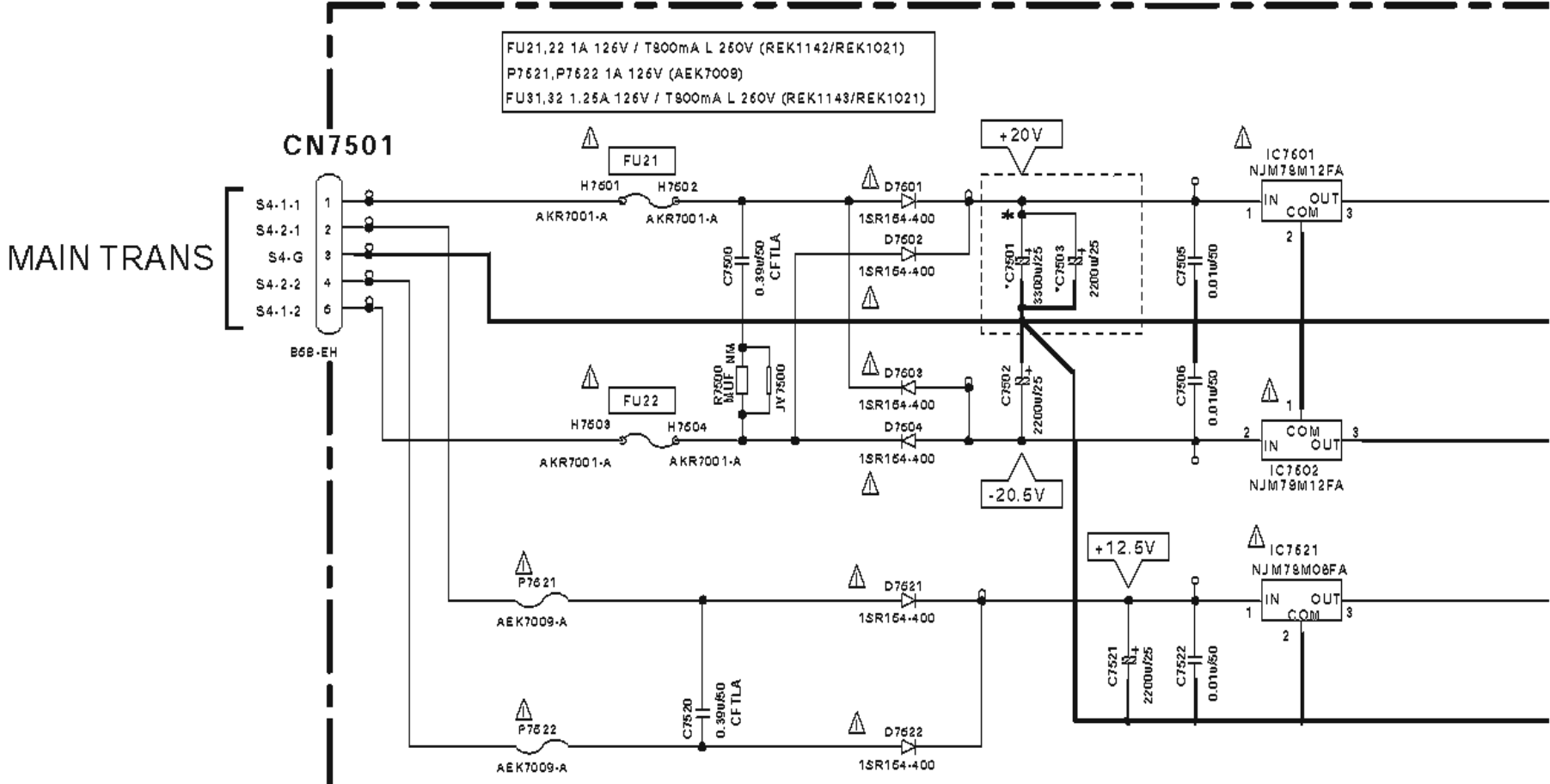
2. CAPACITORS
Unit: p-pF or u-uF unless
otherwise noted.
Ratings: Capacity(F)Voltage(V)
unless otherwise noted.
CH : CCSRCH , CFTLA : CFTLA
NO MARKED : KCSRYB or CEAT

3. NM: No Mount

10.27 REG ASSY

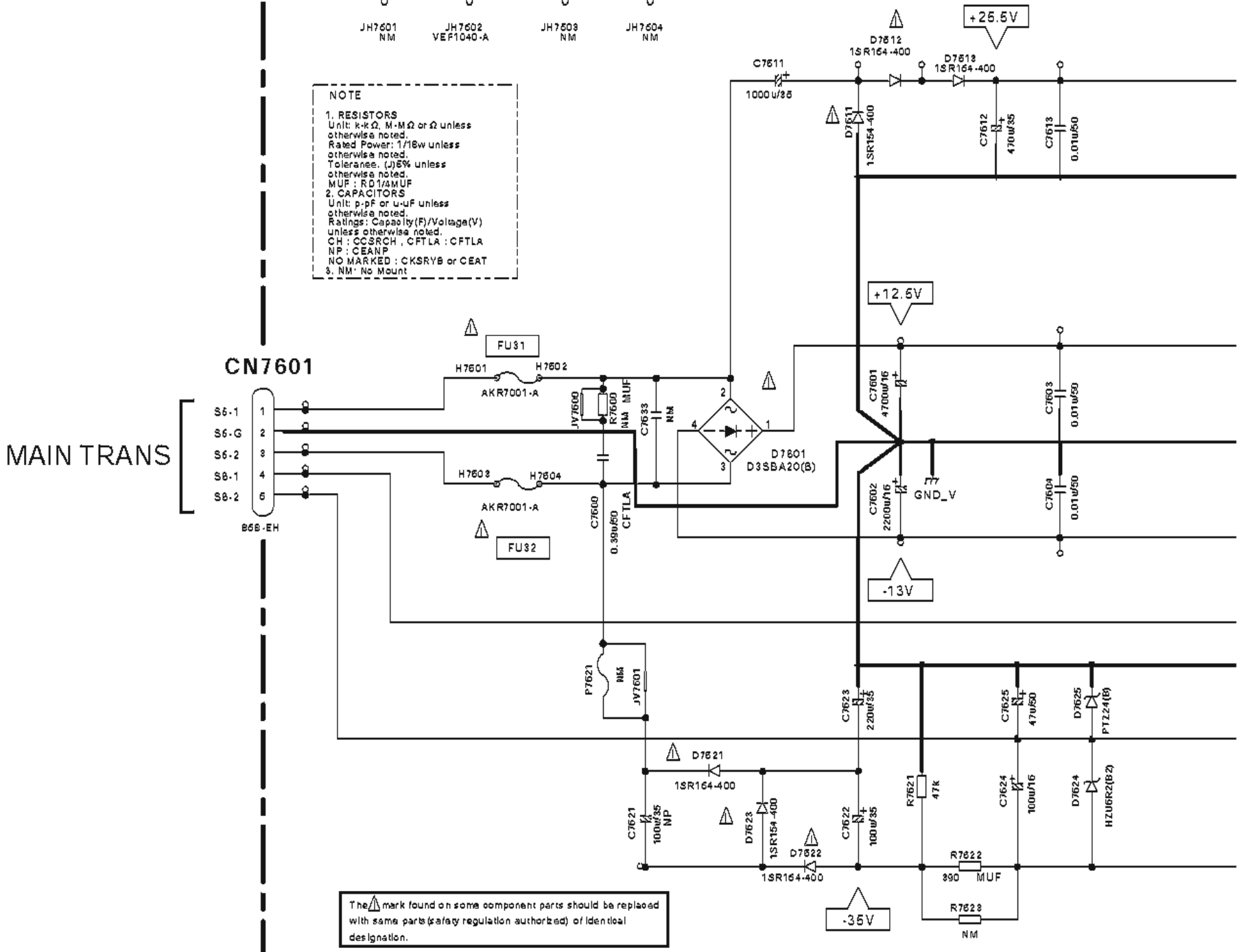
V REG ASSY
(AWX9152)

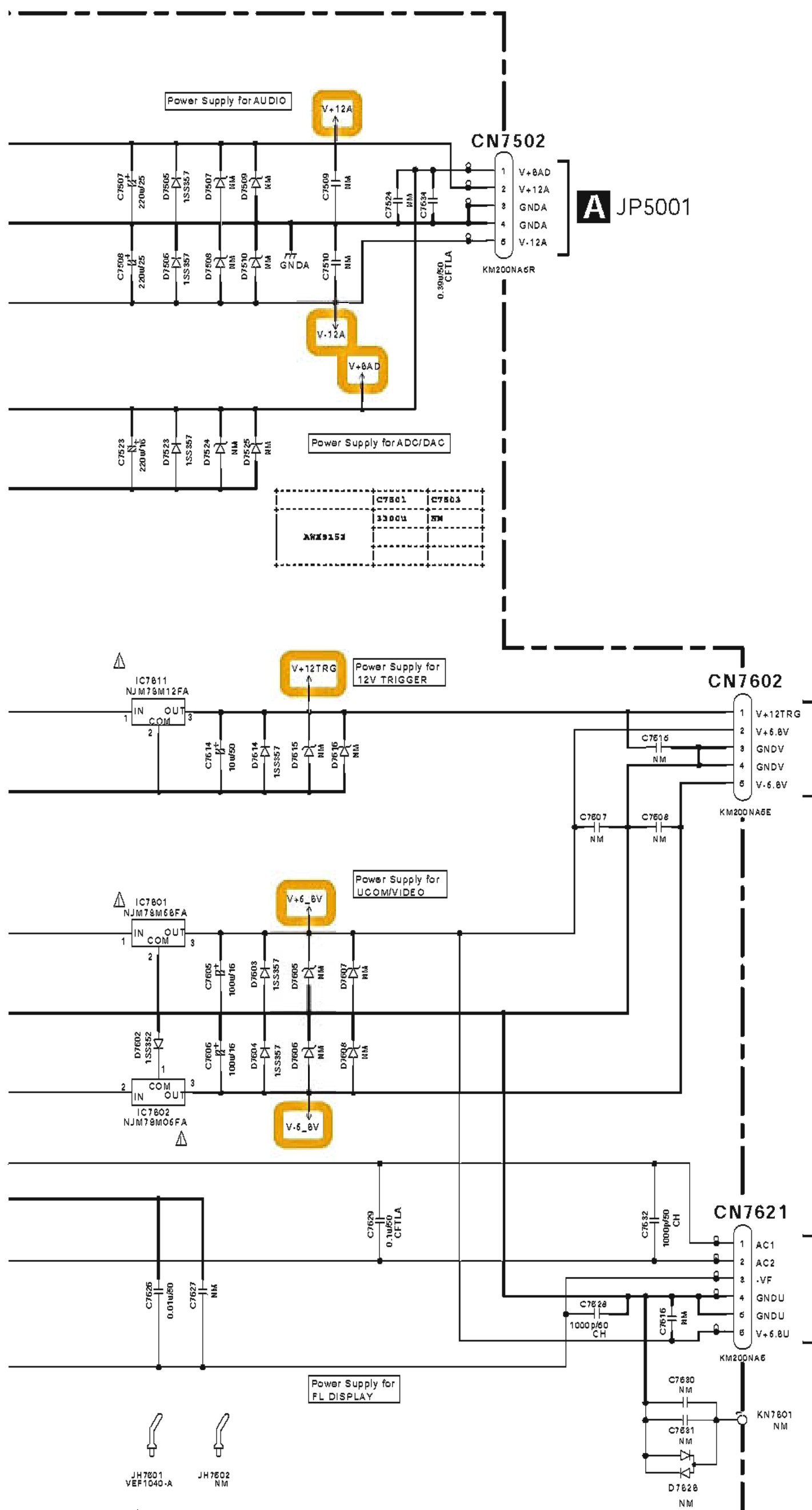
CAUTION : FOR CONTINUED PROTECTION AGAINST
RISK OF FIRE, REPLACE ONLY WITH
SAME TYPE NO. 491001 MFD, BY
LITTELFUSE INC. FOR P7521 and P7522.



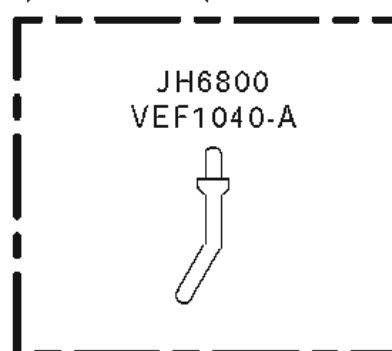
NOTE

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.
MUF: R014MUF
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
NO MARKED: CKSRVB or CEAT
S. NM: No Mount

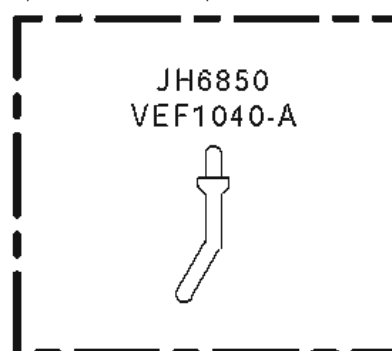




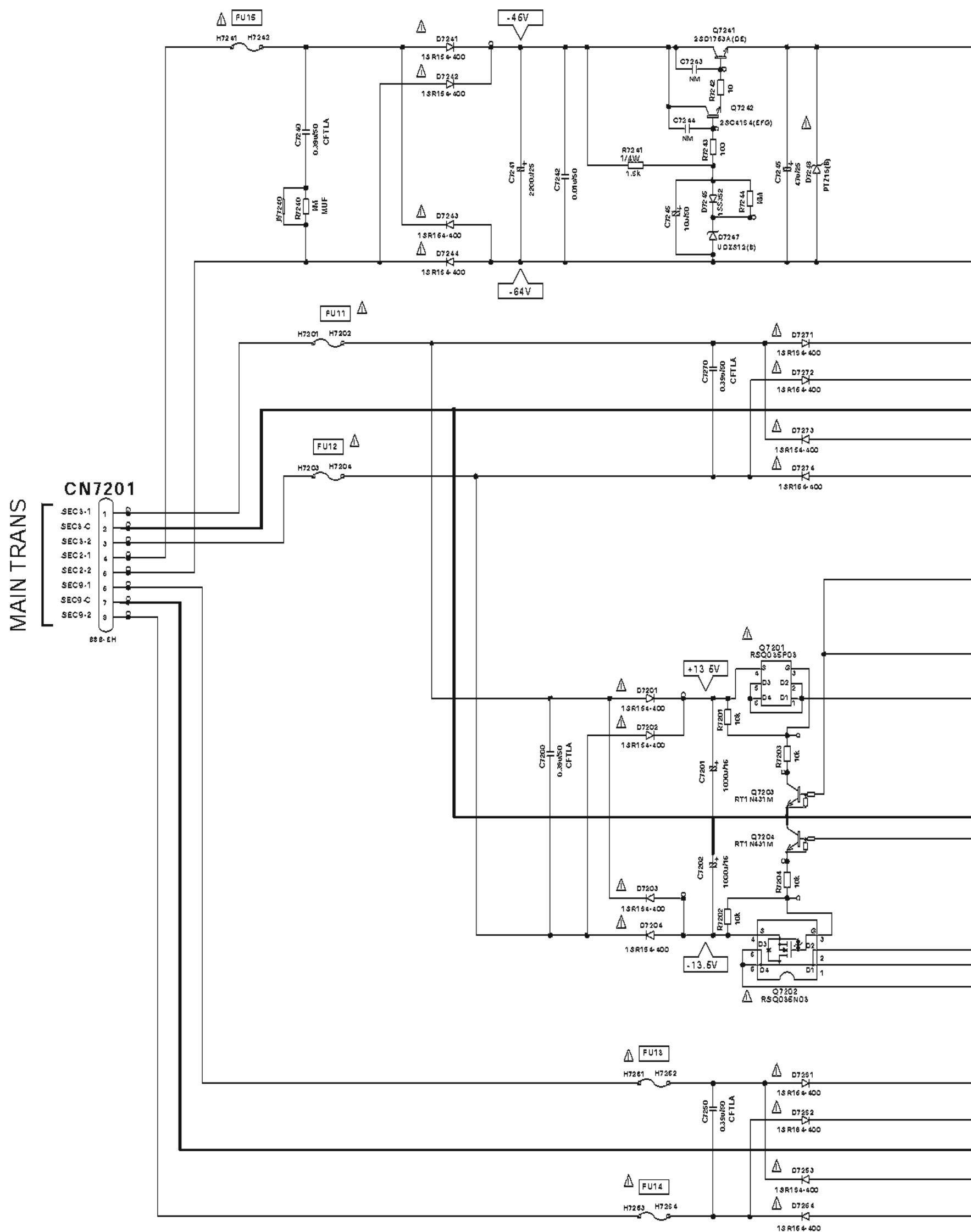
H GUARD1 ASSY
(AWX9174)

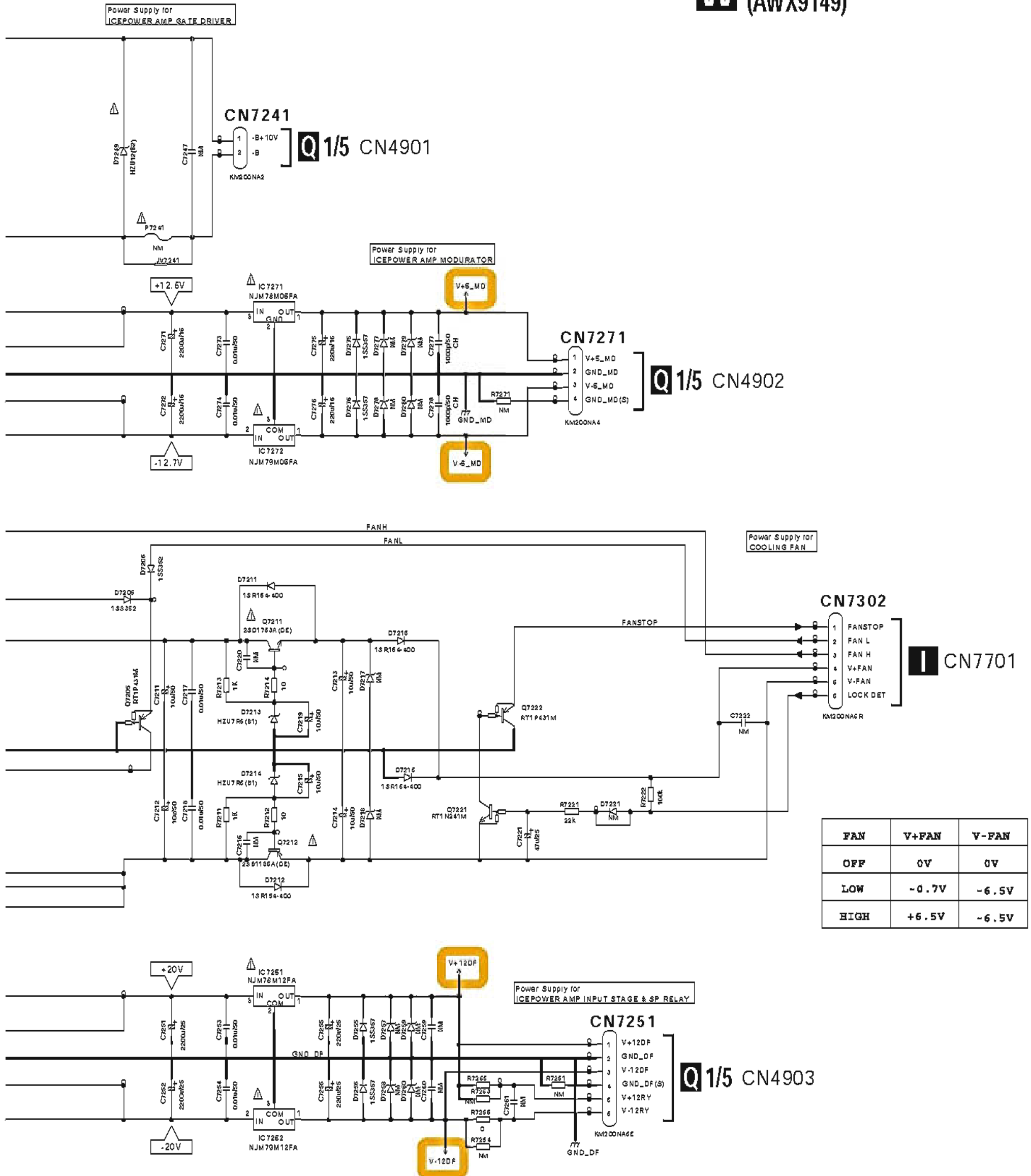


H GUARD2 ASSY
(AWX9147)

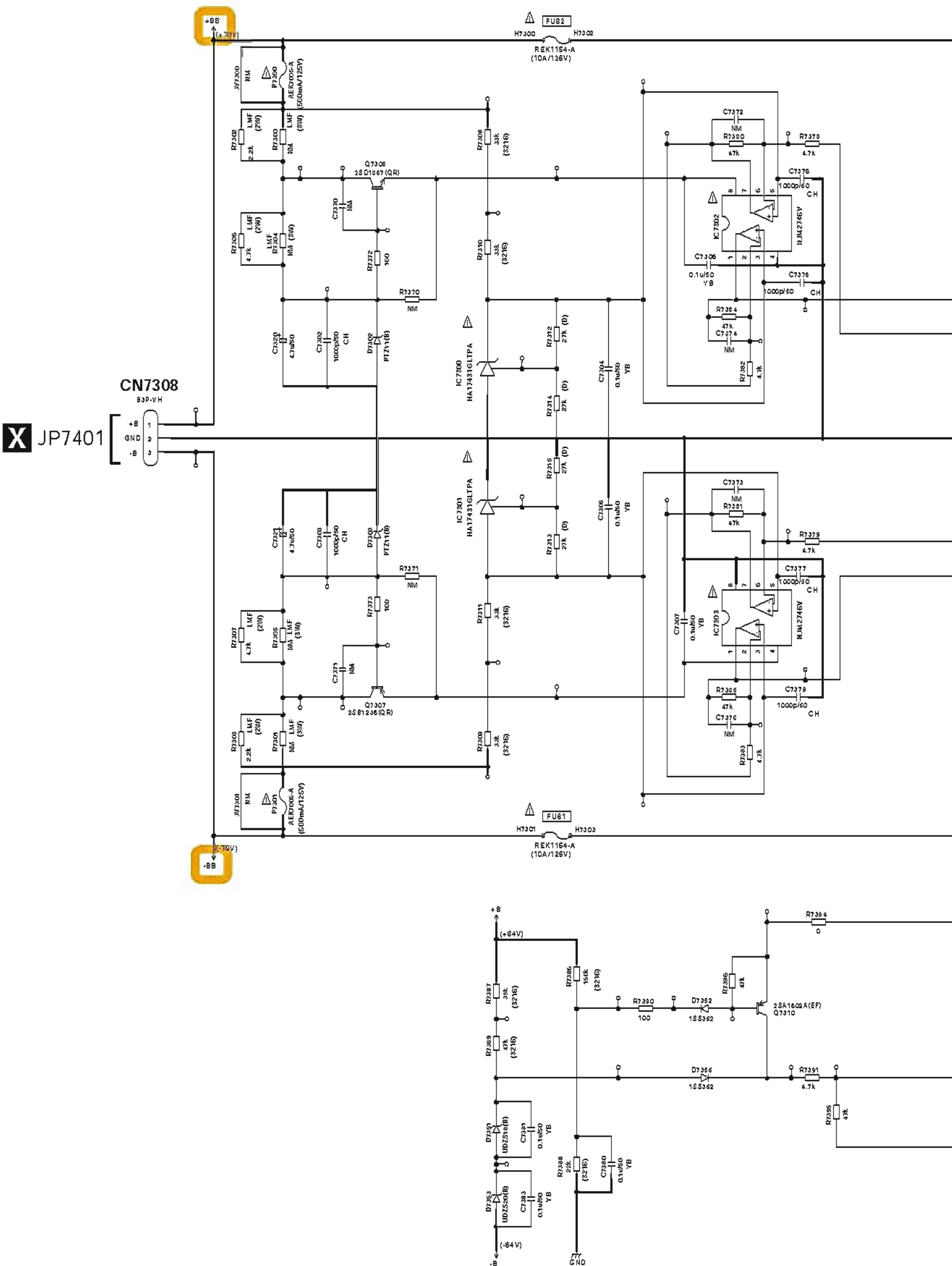


10.28 ICE REG ASSY





10.29 B REG ASSY



CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO. 491,500 MFD, BY LITTELFUSE INK. FOR P7300 and P7301.

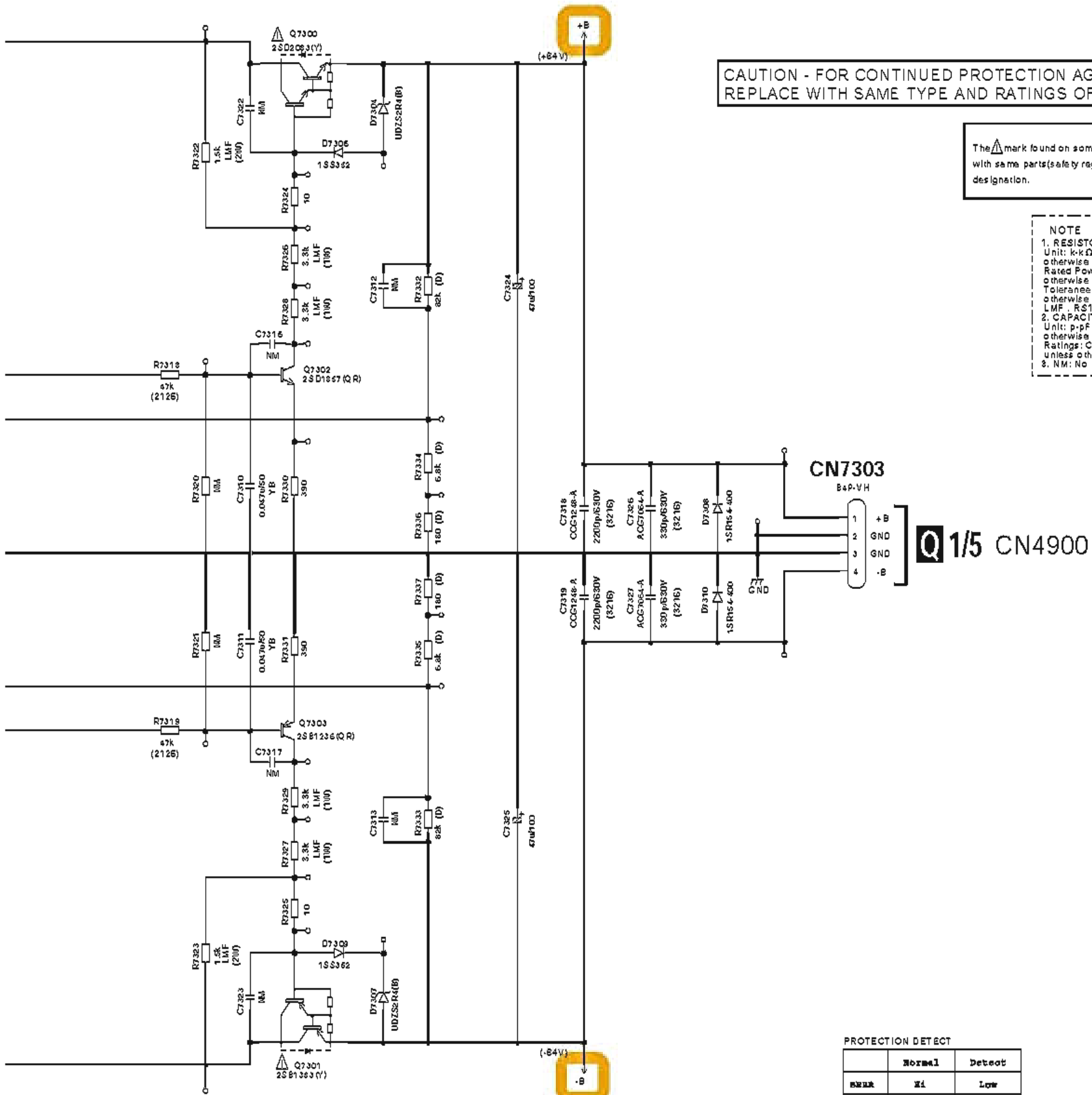
Y B REG ASSY (AWX9150)

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

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

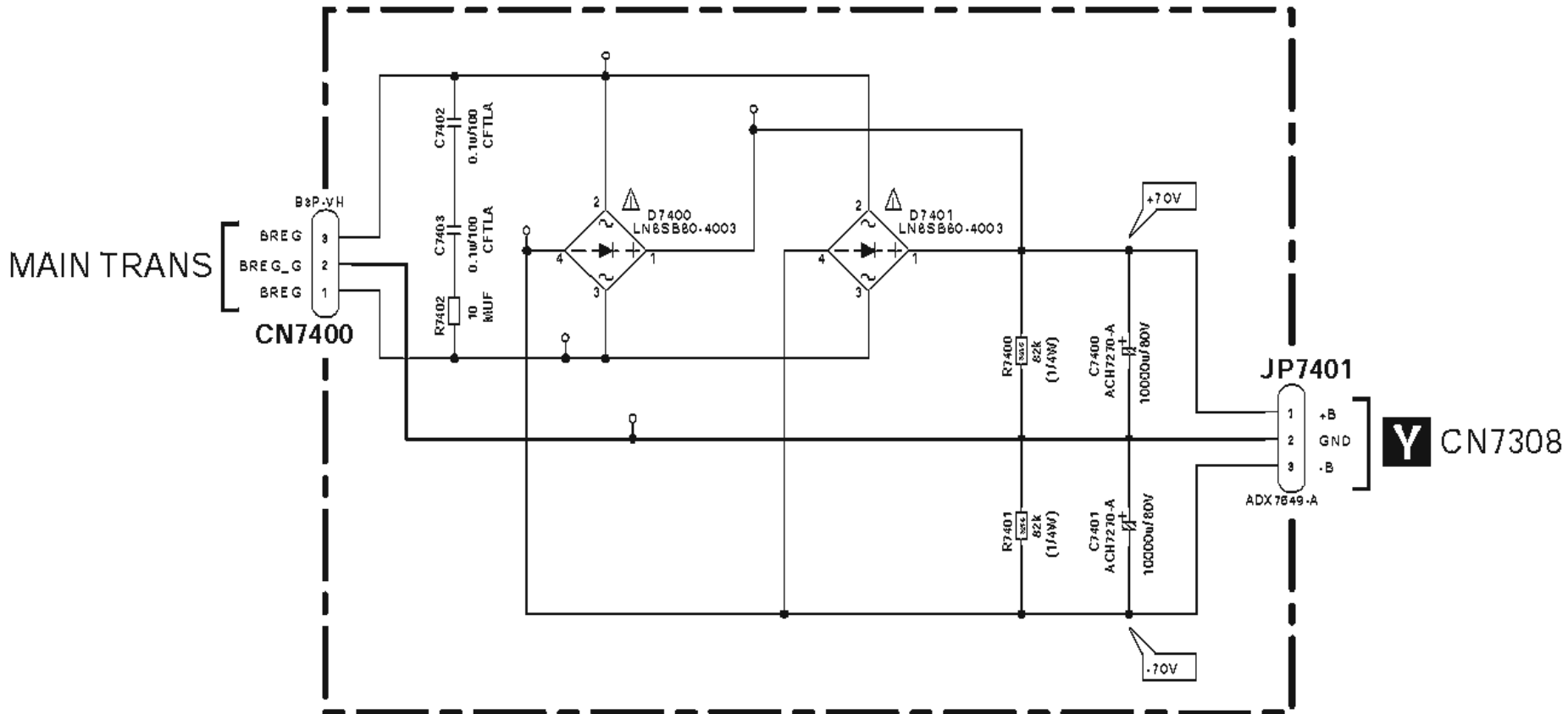
NOTE

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.
LMF: RS1LMF, RS2LMF, RS3LMF
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

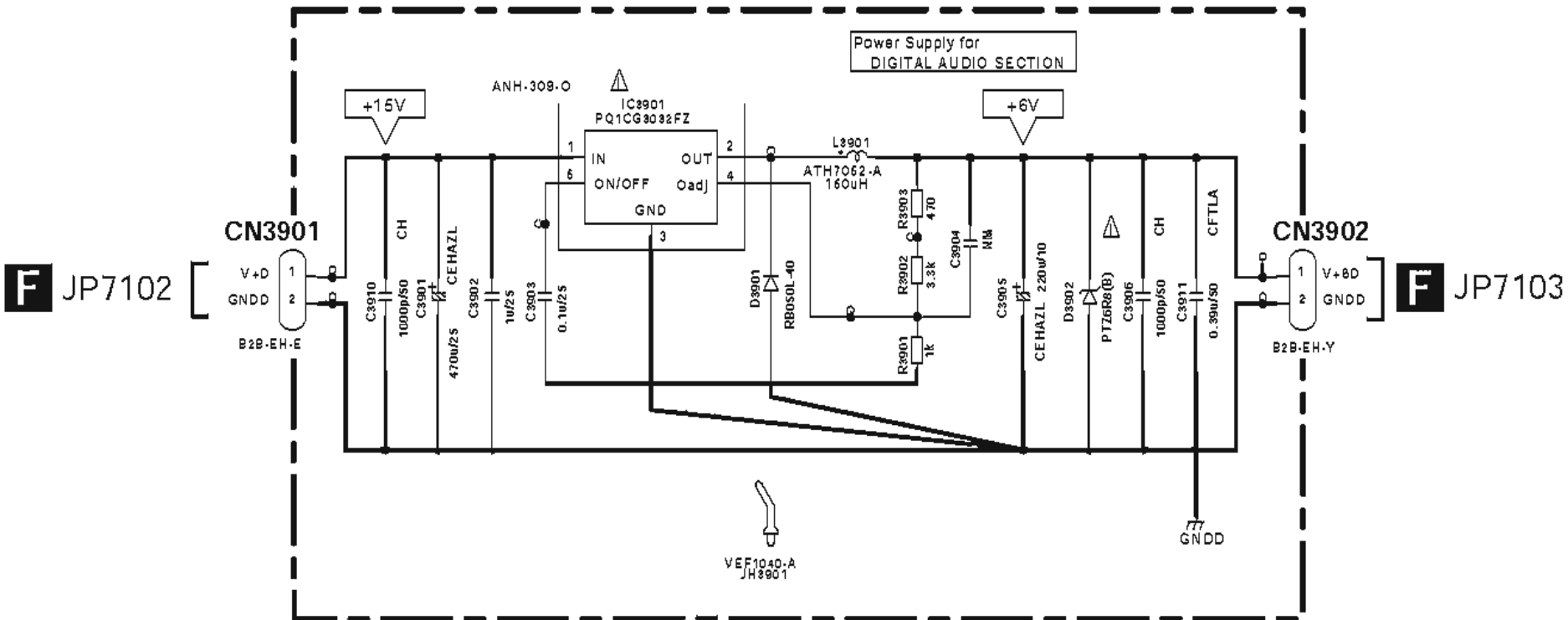


10.30 B DIODE, DCDC, and HDMI RECT ASSYS

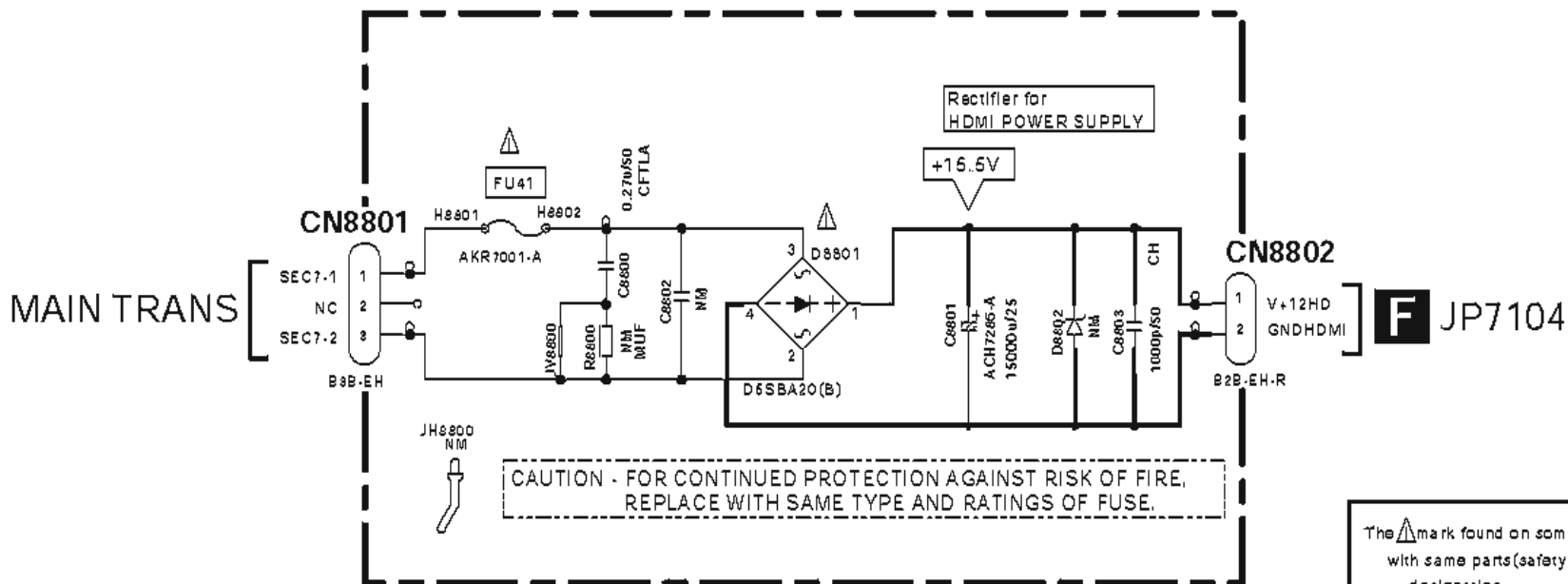
X B DIODE ASSY
(AWX9171)



Z DCDC ASSY
(AWX9138)



AA HDMI RECT ASSY
(AWX9156)



NOTE

- 1. RESISTORS**
Unit: k- Ω , M-M Ω or Ω unless otherwise noted.
Rated Power: 1/18w unless otherwise noted.
Tolerance: (J)6% unless otherwise noted.
MUF : RD1/4MUF
- 2. CAPACITORS**
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
CFLTA : CFLTA
- 3, NM: No Mount**

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

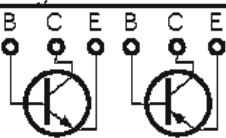
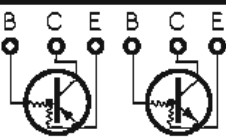
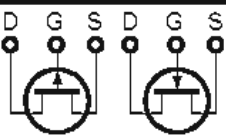
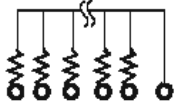
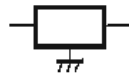
X Z AA

X Z AA

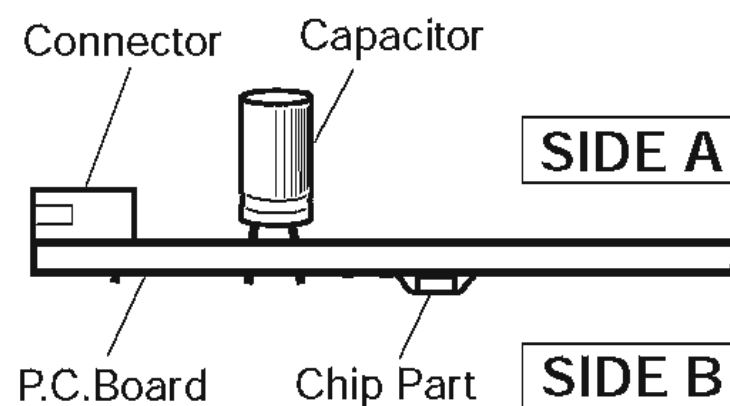
11. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

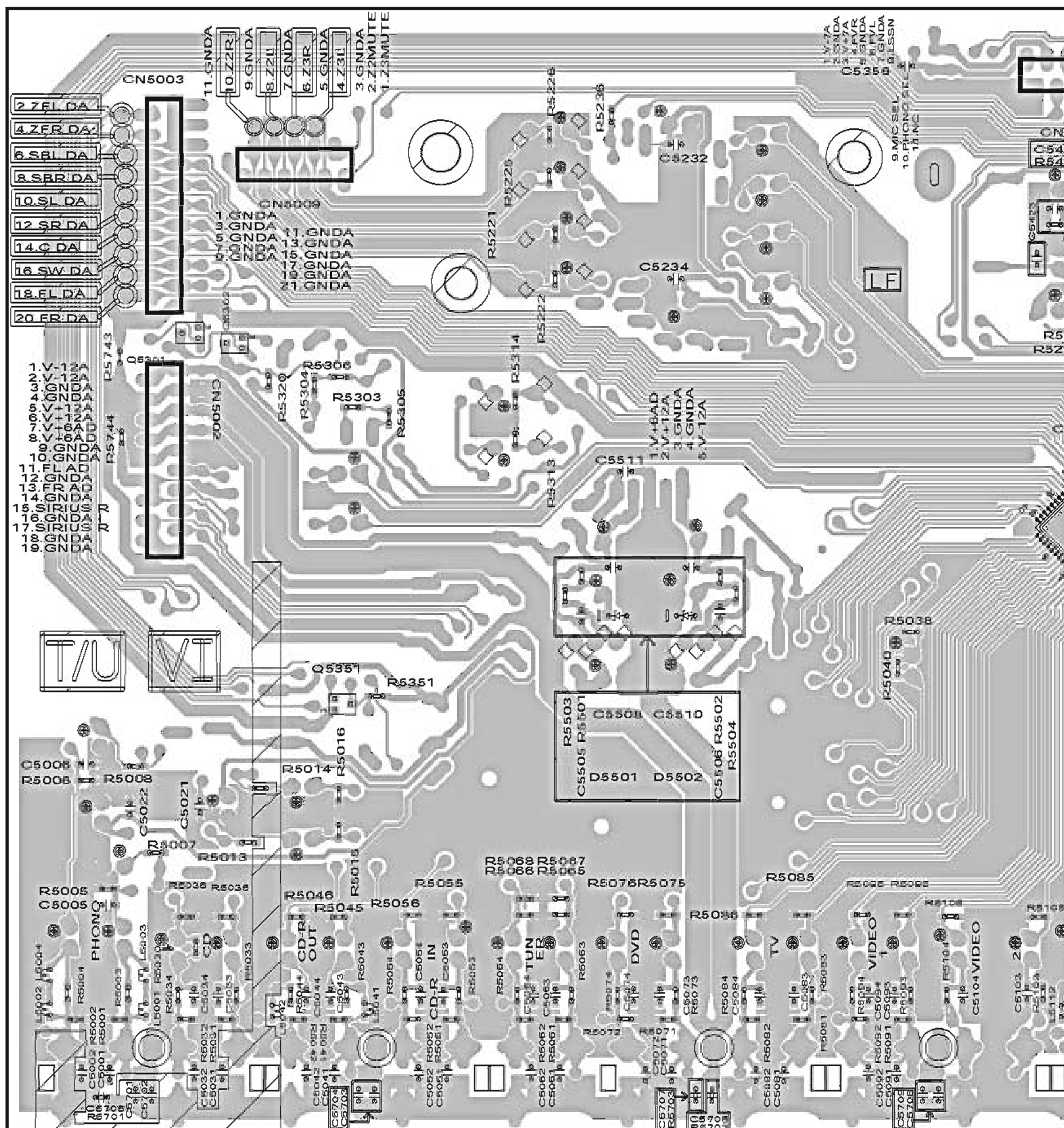
Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

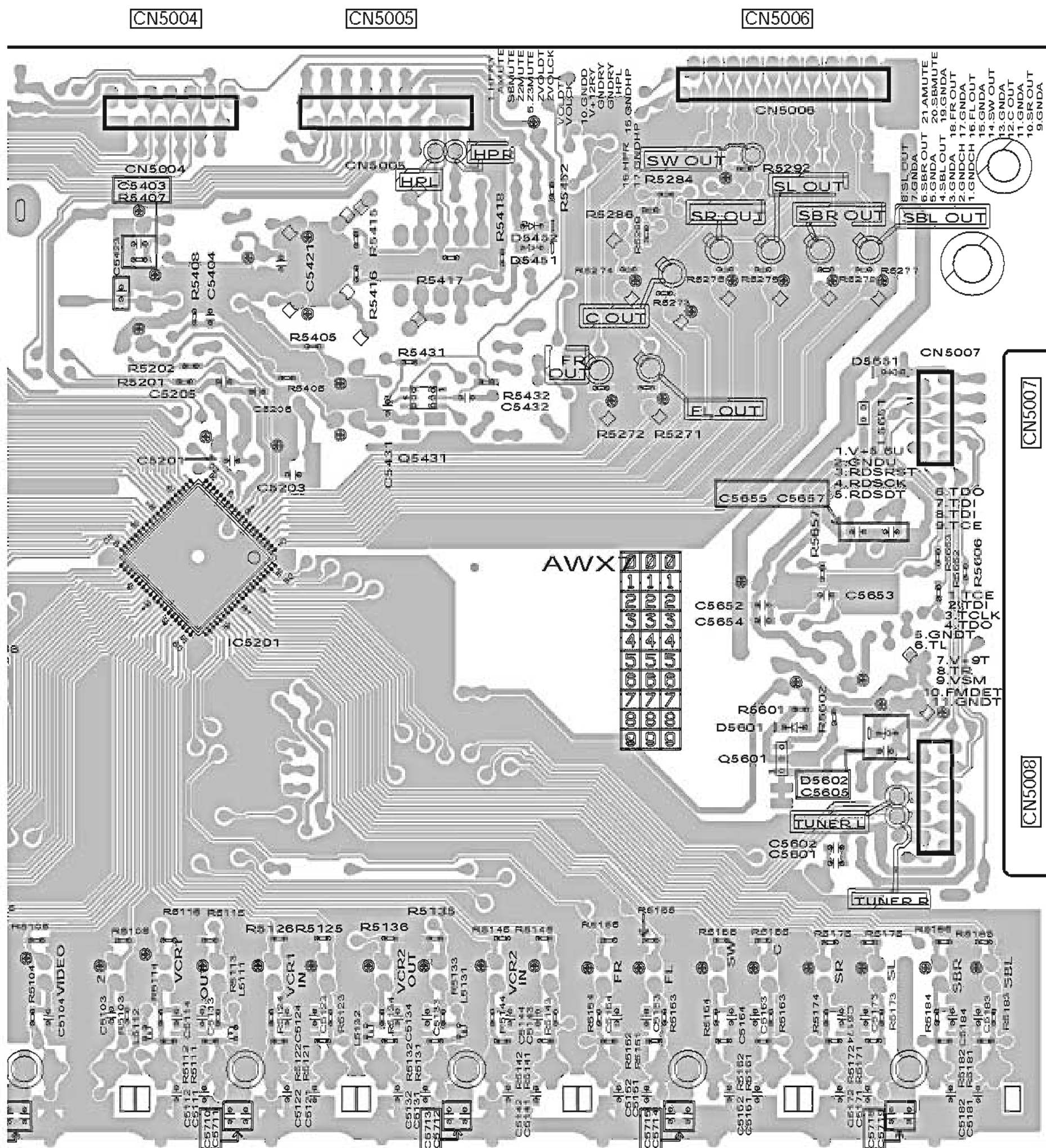
3. The parts mounted on this PCB include all necessary parts for several destinations.
For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.



SIDE A





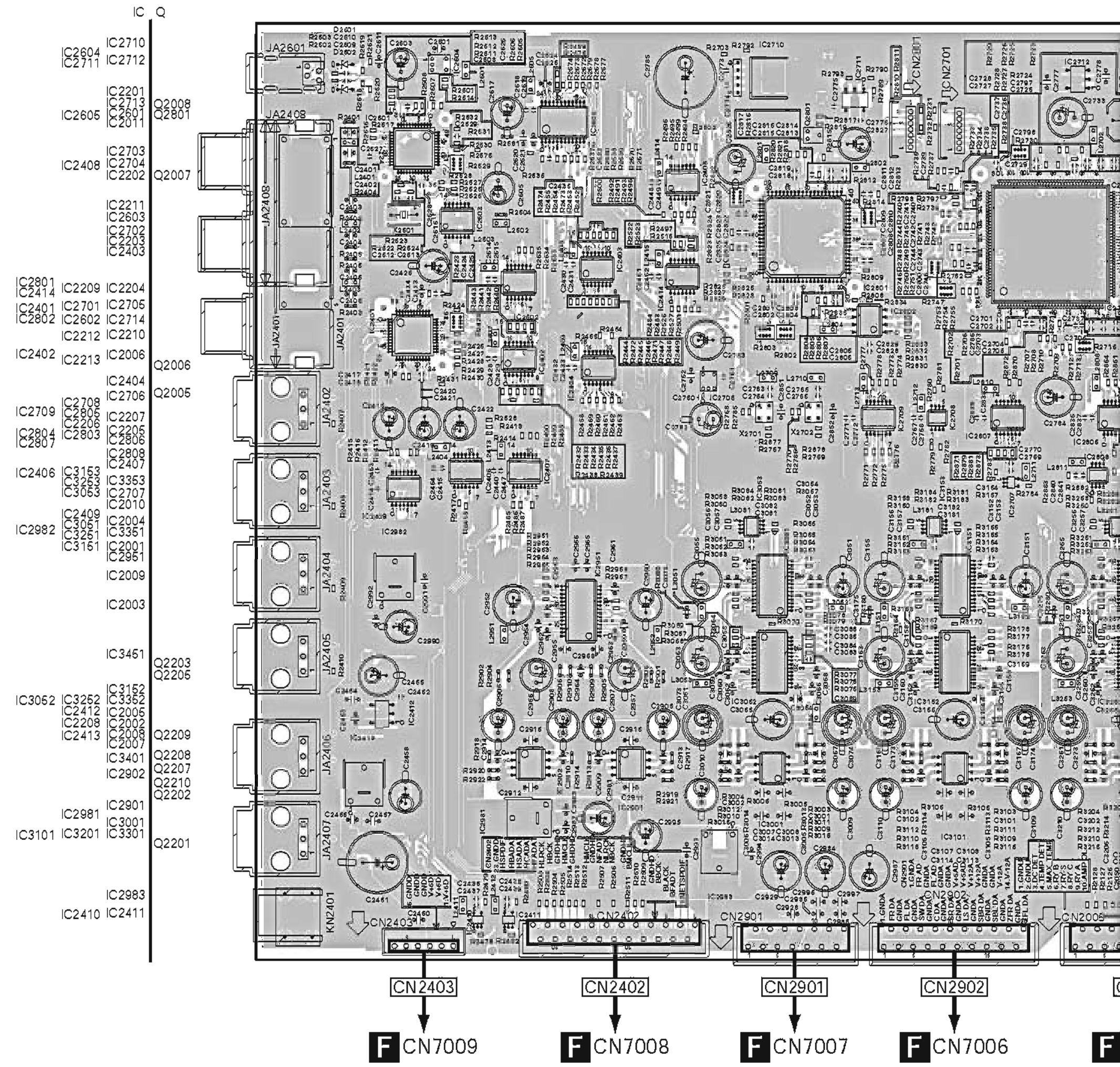


(ANP7650-C)

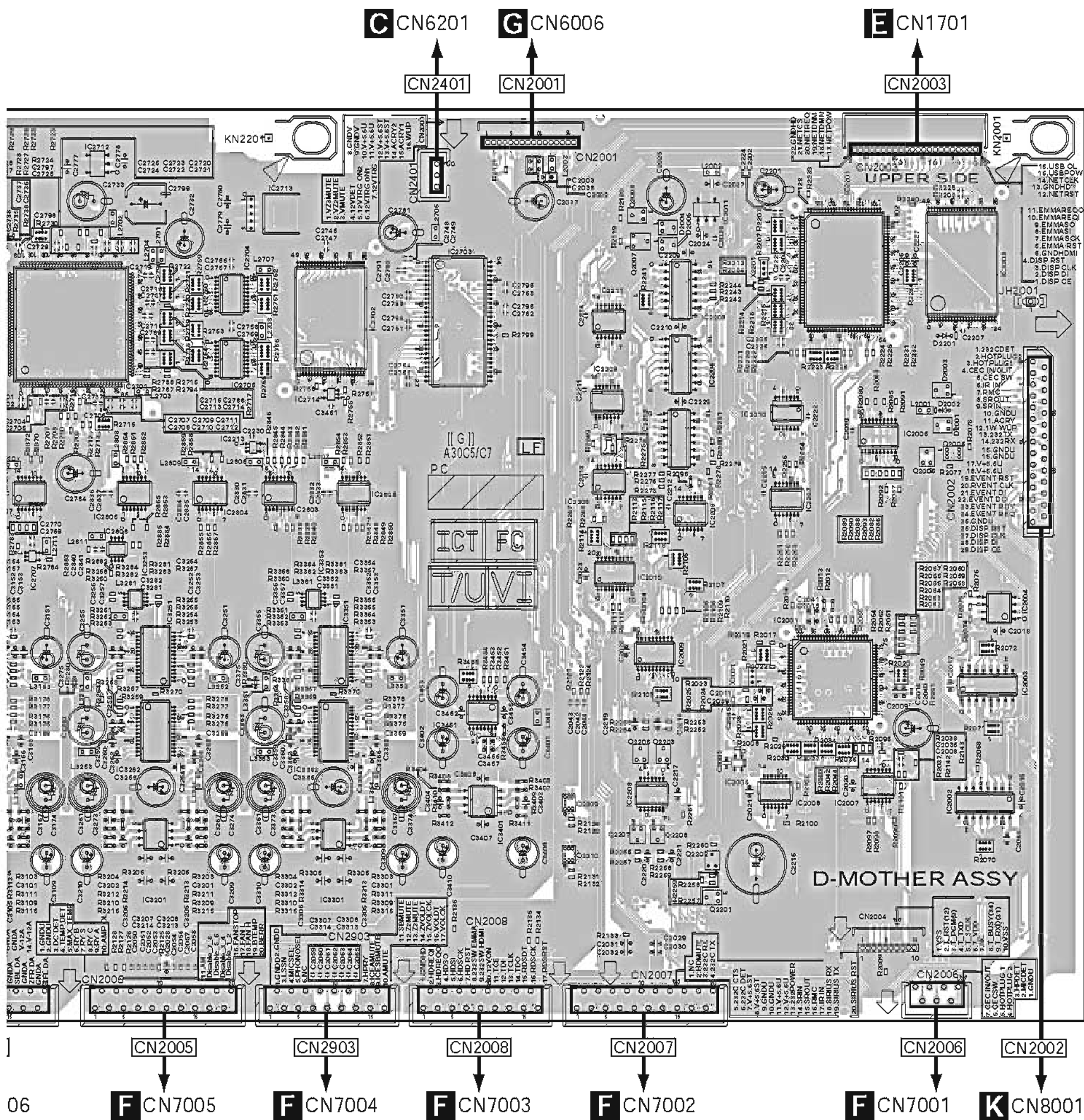
11.2 D-MOTHER ASSY

SIDE A

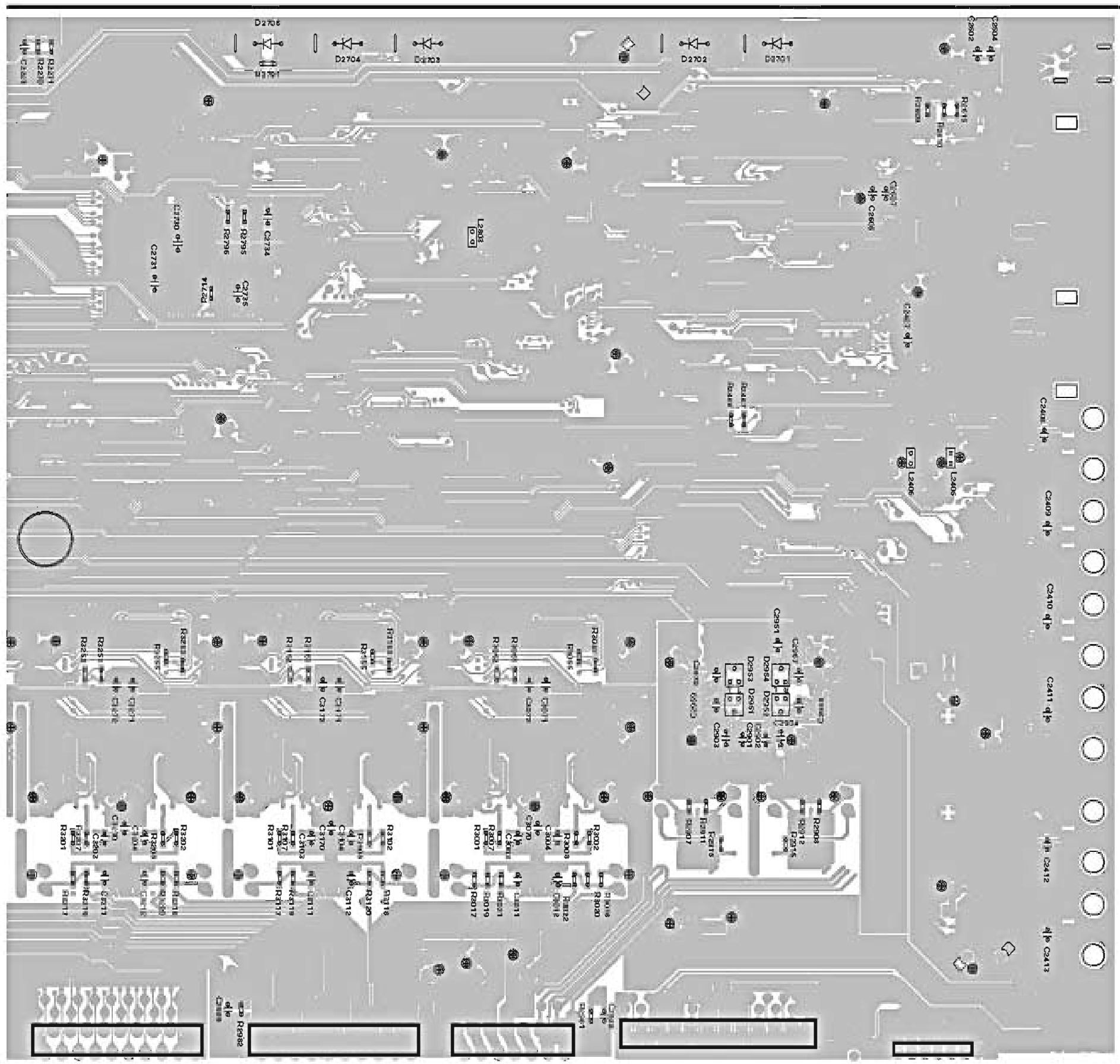
B D-MOTHER ASSY



B



(ANP7649-B)



CN2005

CN2902

CN2901

CN2402

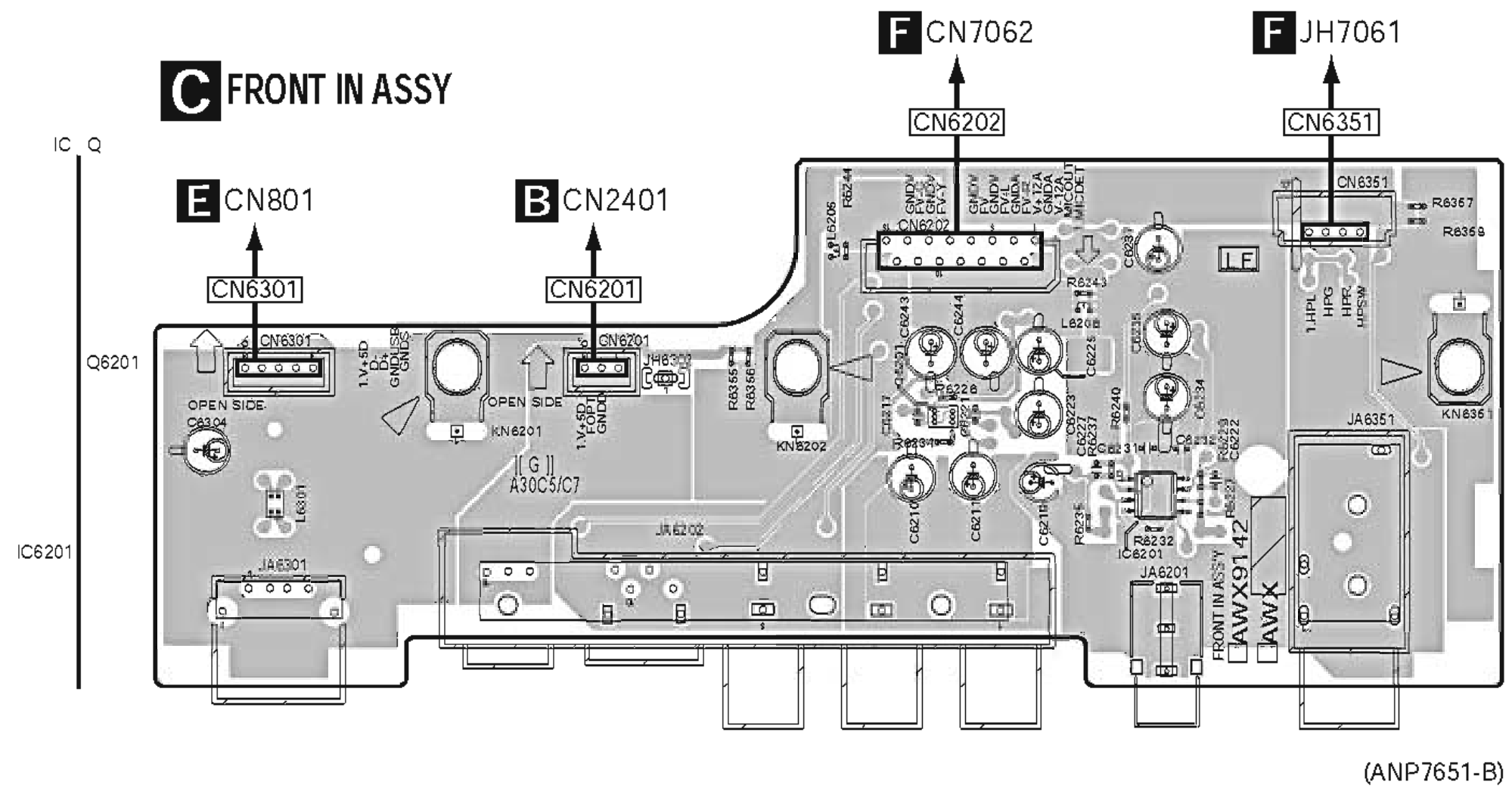
CN2403

(ANP7649-B)

11.3 FRONT IN ASSY

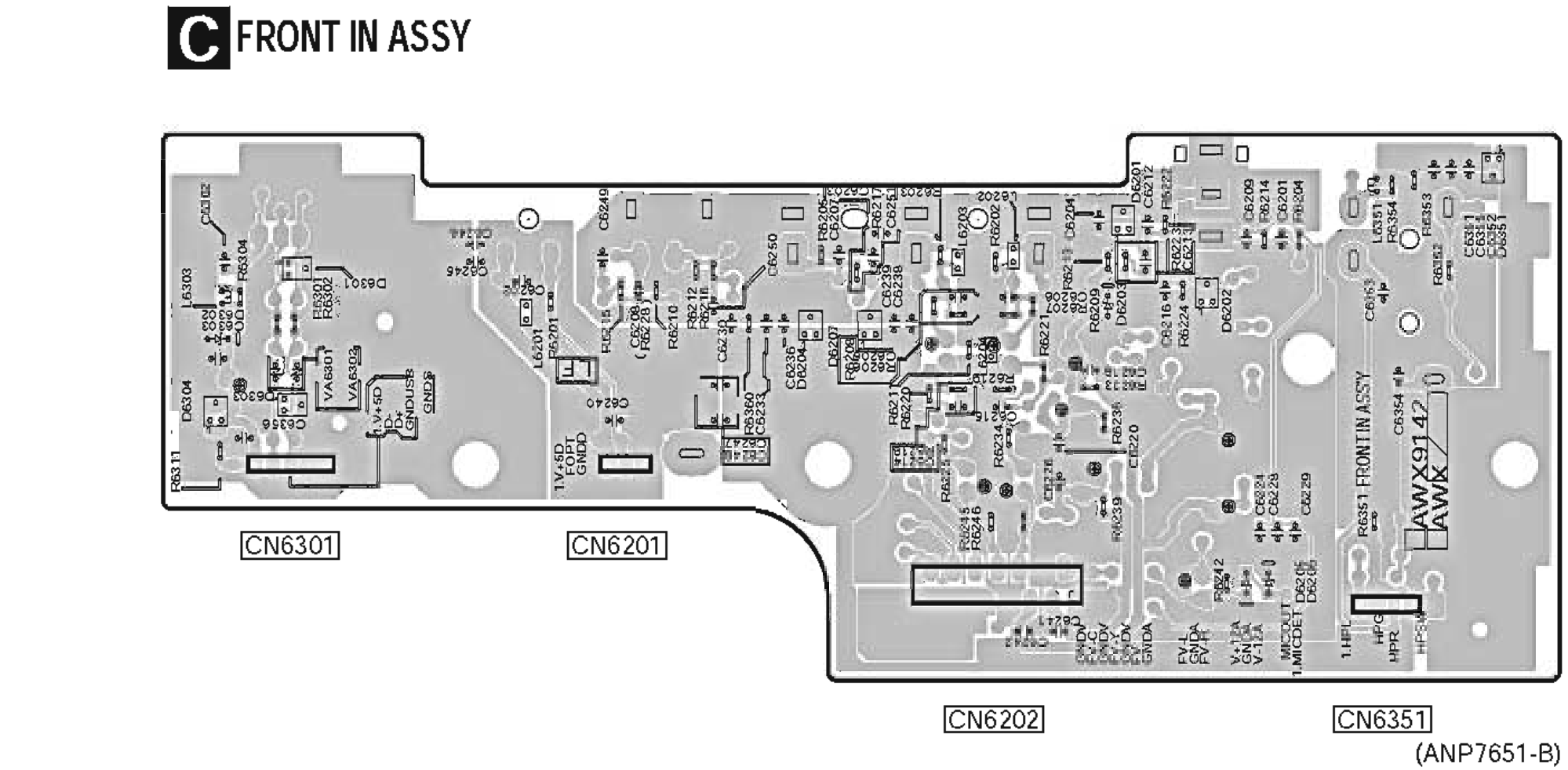
SIDE A

SIDE A



SIDE B

SIDE B

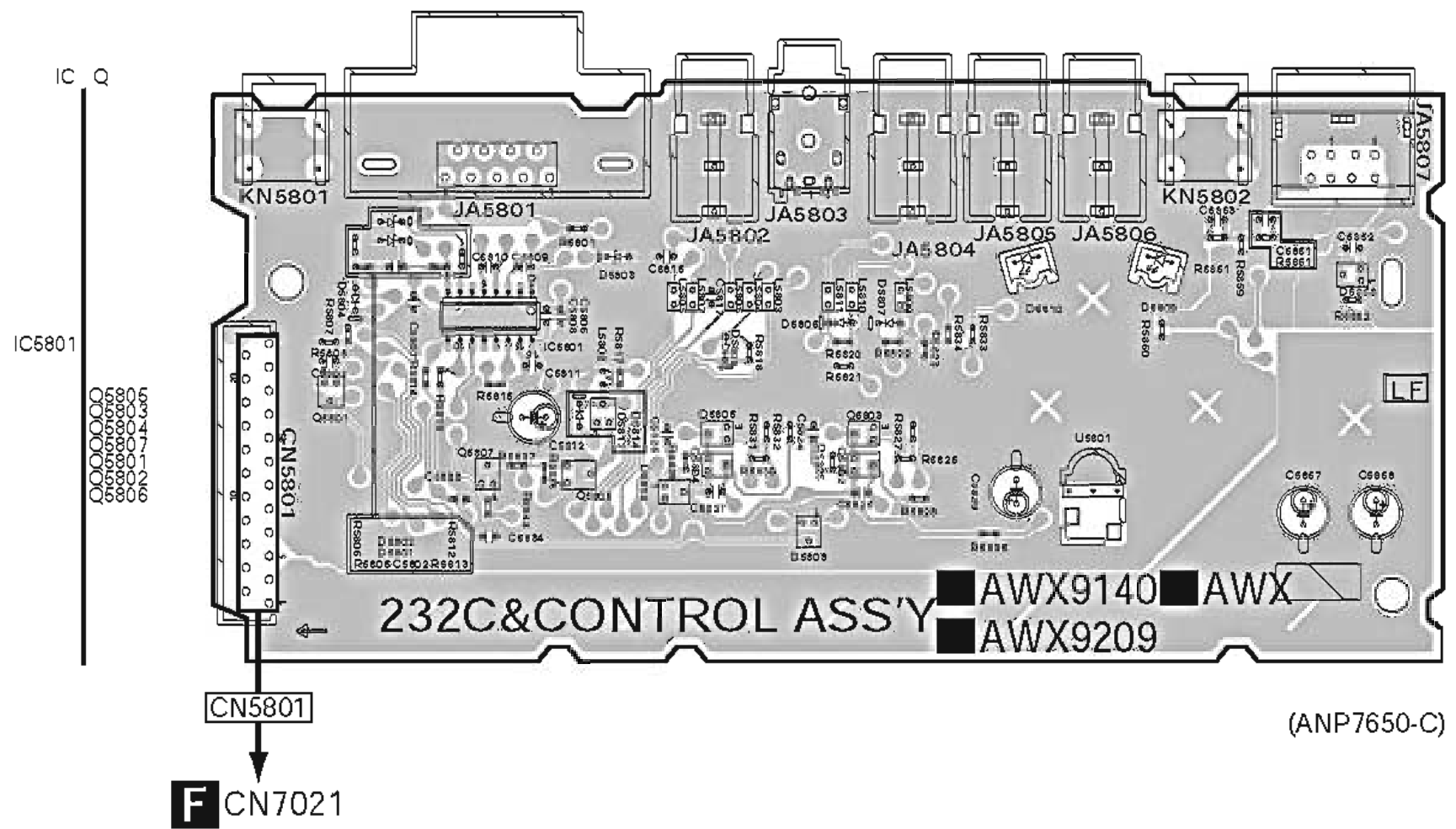


11.4 232C & CONTROL ASSY

SIDE A

SIDE A

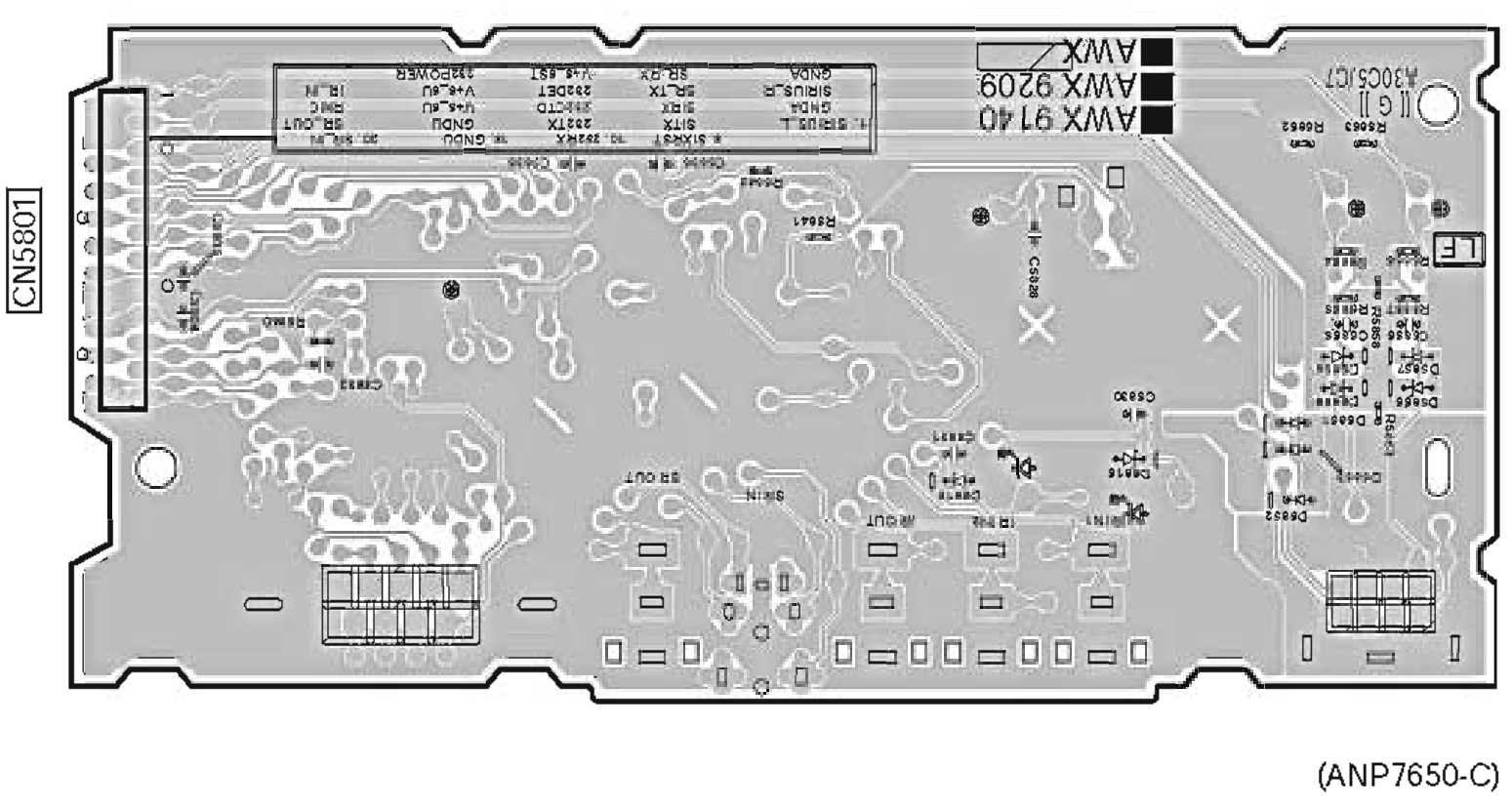
D 232C&CONTROL ASSY



SIDE B

SIDE B

D 232C&CONTROL ASSY



D

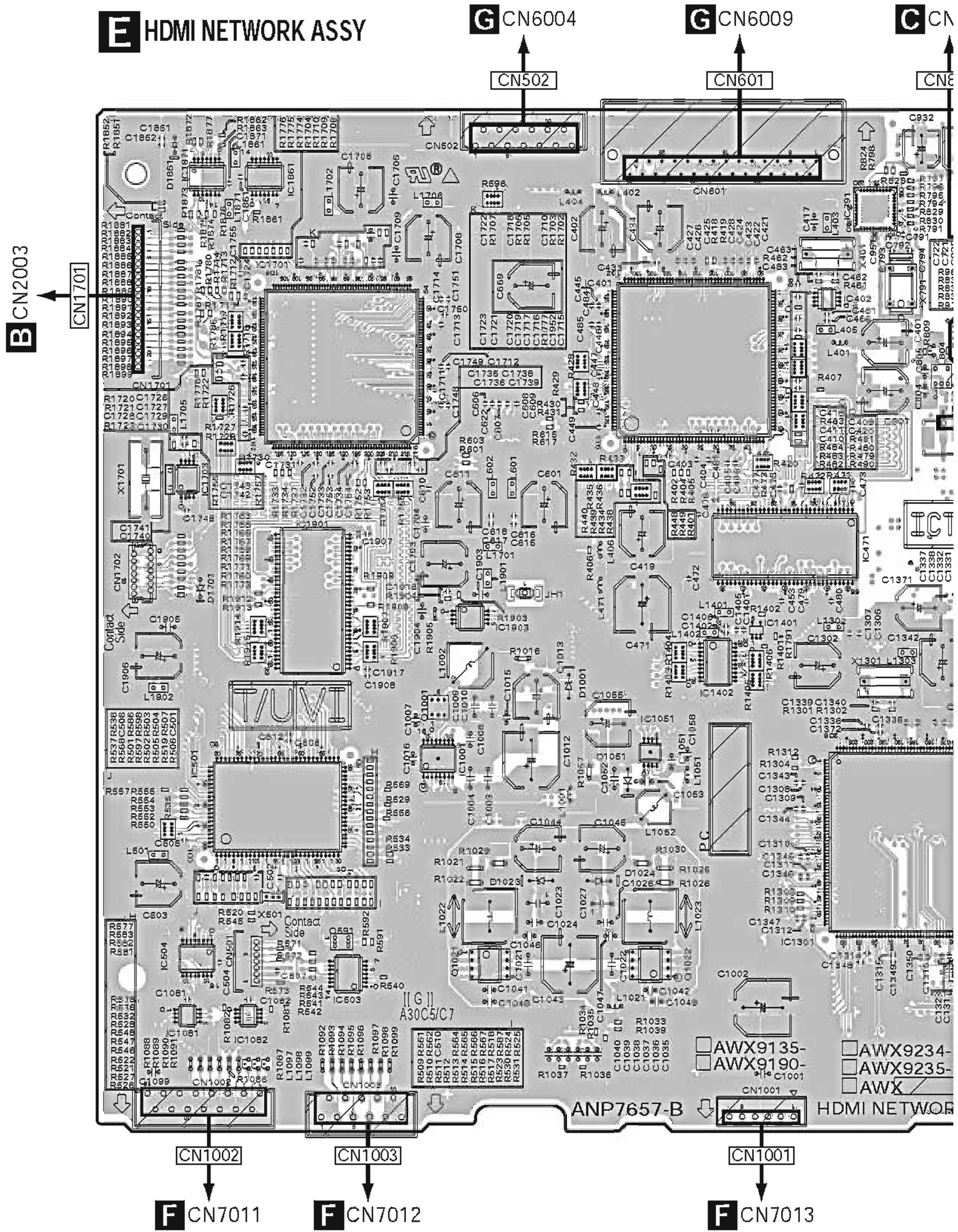
D

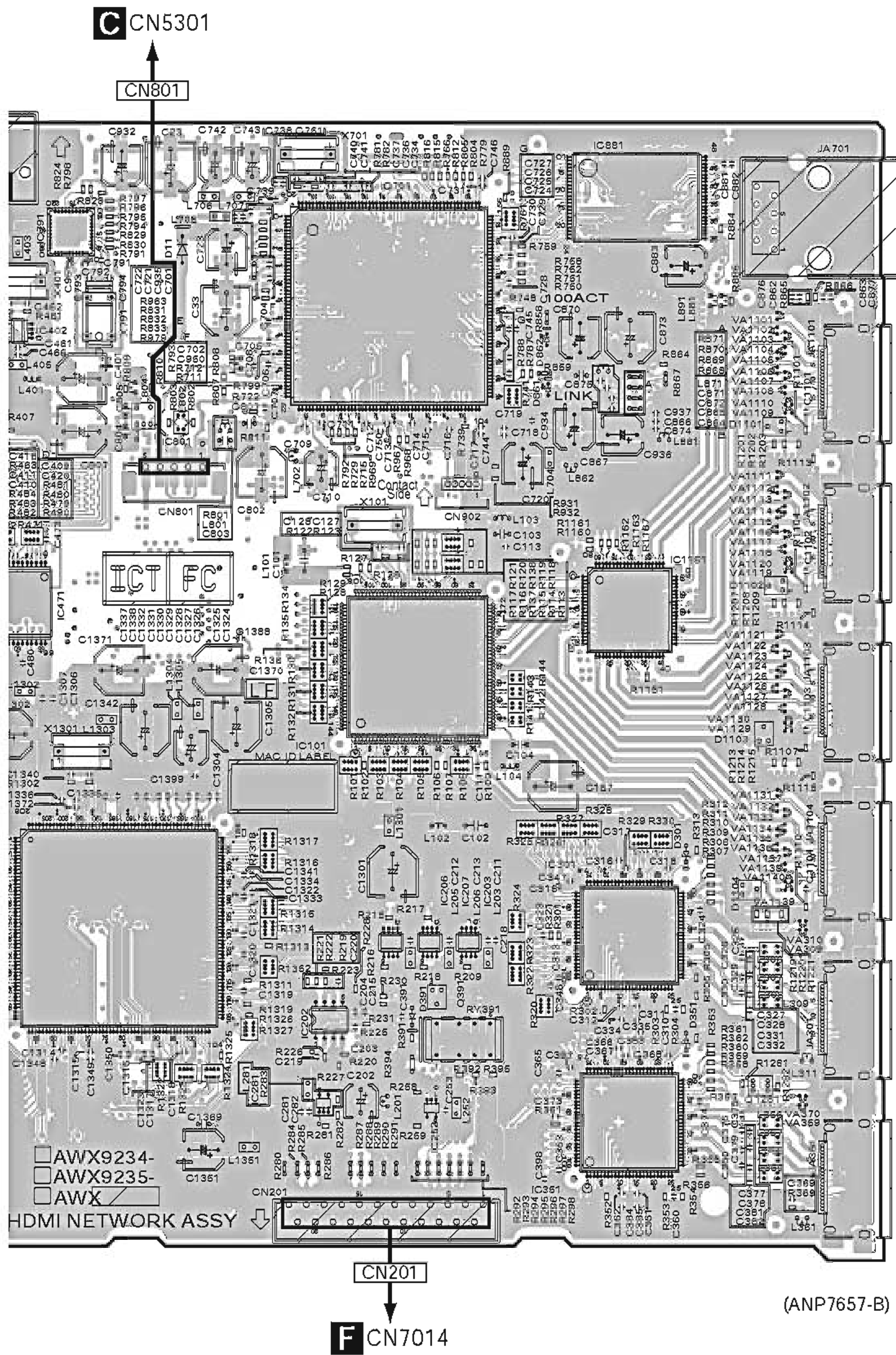
11.5 HDMI NETWORK ASSY

SIDE A

E

IC	Q
IC881	
IC1871	
IC1861	
IC701	
IC791	
IC1701	
IC401	
IC402	
IC801	
IC1703	
IC1151	
IC1901	
IC471	
IC1401	
IC1903	
IC101	
IC1402	
IC1051	Q1001
IC1001	
IC501	
IC301	
IC203	
IC207	
IC206	
IC202	Q391
IC1301	Q591
IC504	Q1022
IC281	Q1021
IC503	Q1281
IC1081	
IC252	
IC1082	
IC351	



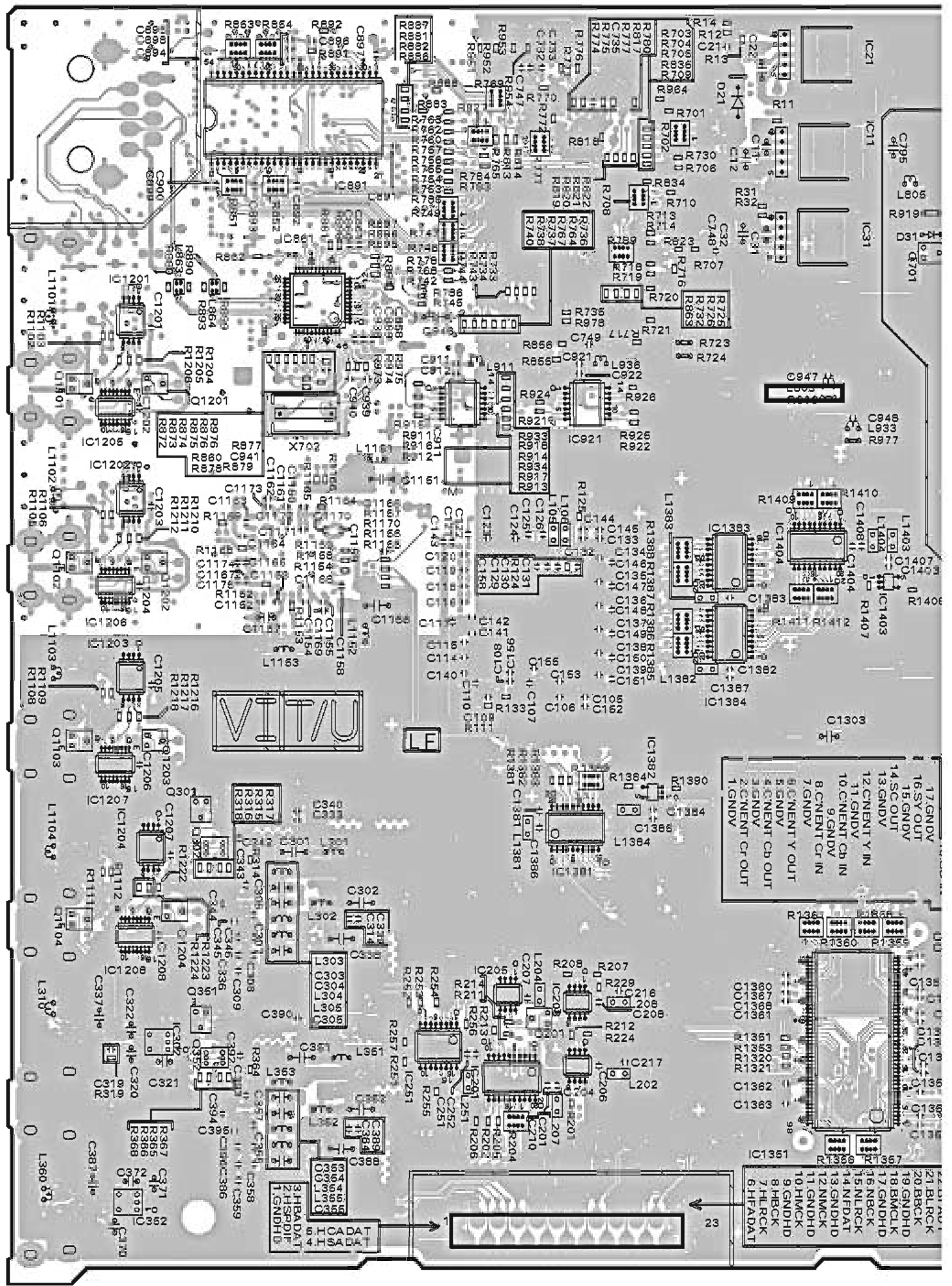


E HDMI NETWORK ASSY

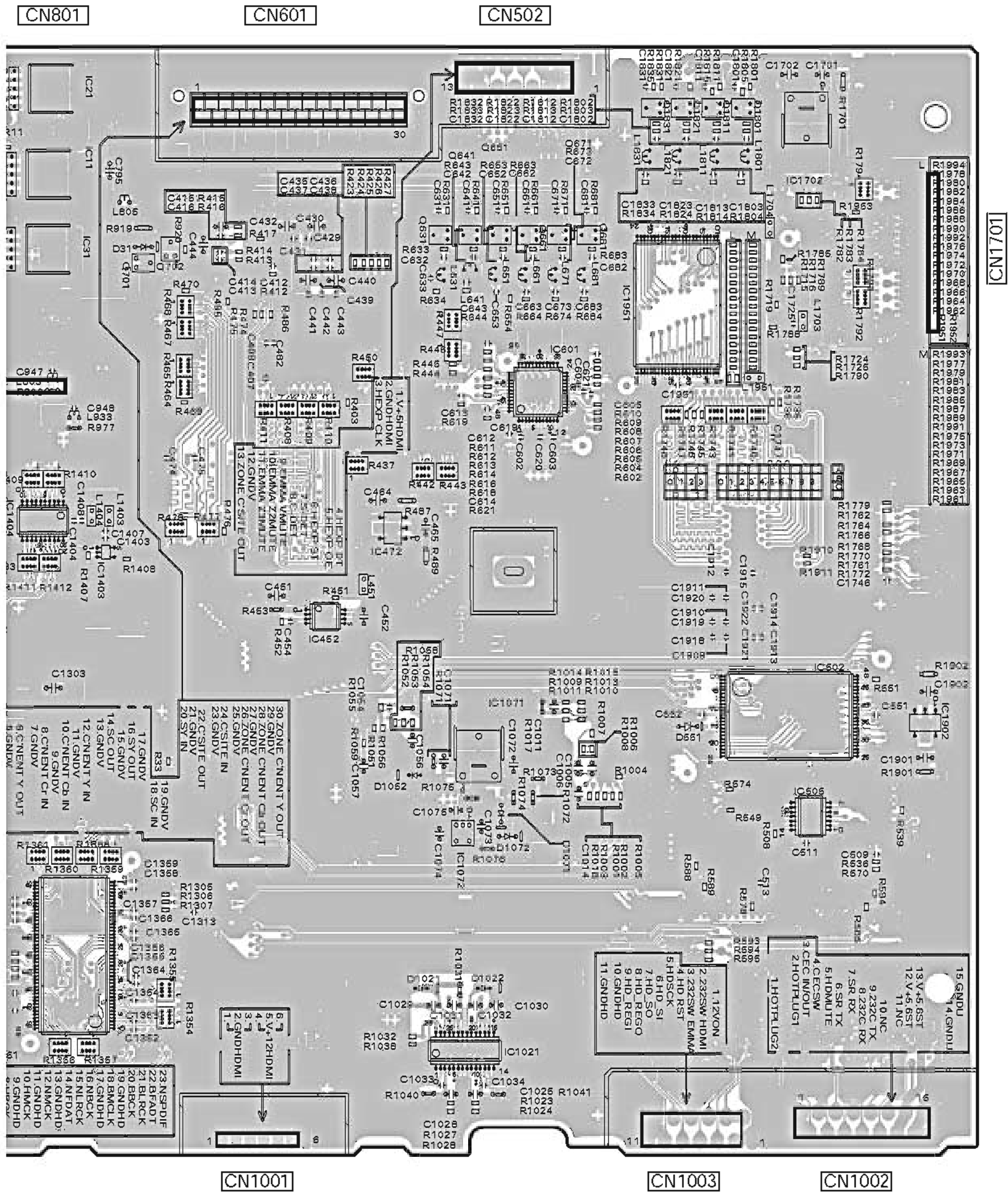
CN801

IC Q

- | | |
|--------|-------------|
| IC21 | Q1831 Q1801 |
| | Q1821 Q1811 |
| IC11 | Q671 Q651 |
| IC1702 | Q641 |
| IC891 | |
| IC861 | IC31 |
| | Q631 Q681 |
| | Q661 |
| IC1201 | Q702 |
| IC1951 | Q701 |
| IC601 | |
| | Q1101 |
| | Q1201 |
| IC911 | IC921 |
| IC1205 | IC1205 |
| IC1202 | |
| IC1383 | |
| IC1404 | |
| IC472 | Q1102 |
| | Q1202 |
| IC1206 | IC1403 |
| IC1203 | |
| IC452 | |
| IC1384 | |
| IC502 | |
| IC1071 | Q1103 |
| IC1382 | Q1203 |
| IC1902 | Q301 |
| IC1207 | |
| IC1204 | Q302 |
| IC505 | |
| IC1381 | |
| IC1072 | Q1104 |
| IC1208 | Q1204 |
| IC208 | Q351 |
| IC302 | Q201 |
| | Q352 |
| IC201 | |
| IC204 | |
| IC251 | |
| IC1021 | |
| IC1351 | |
| IC352 | |



CN201

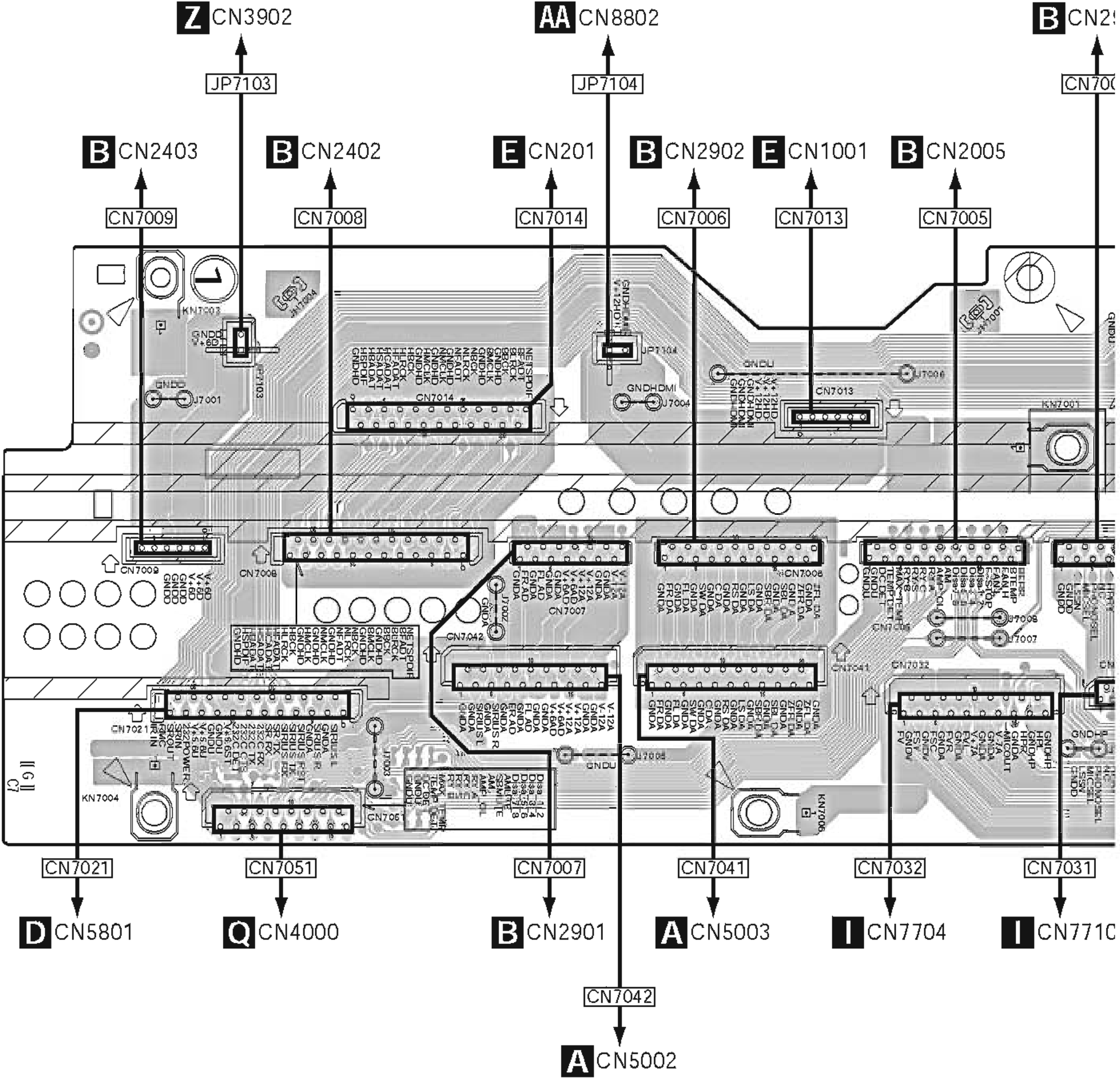


(ANP7657-B)

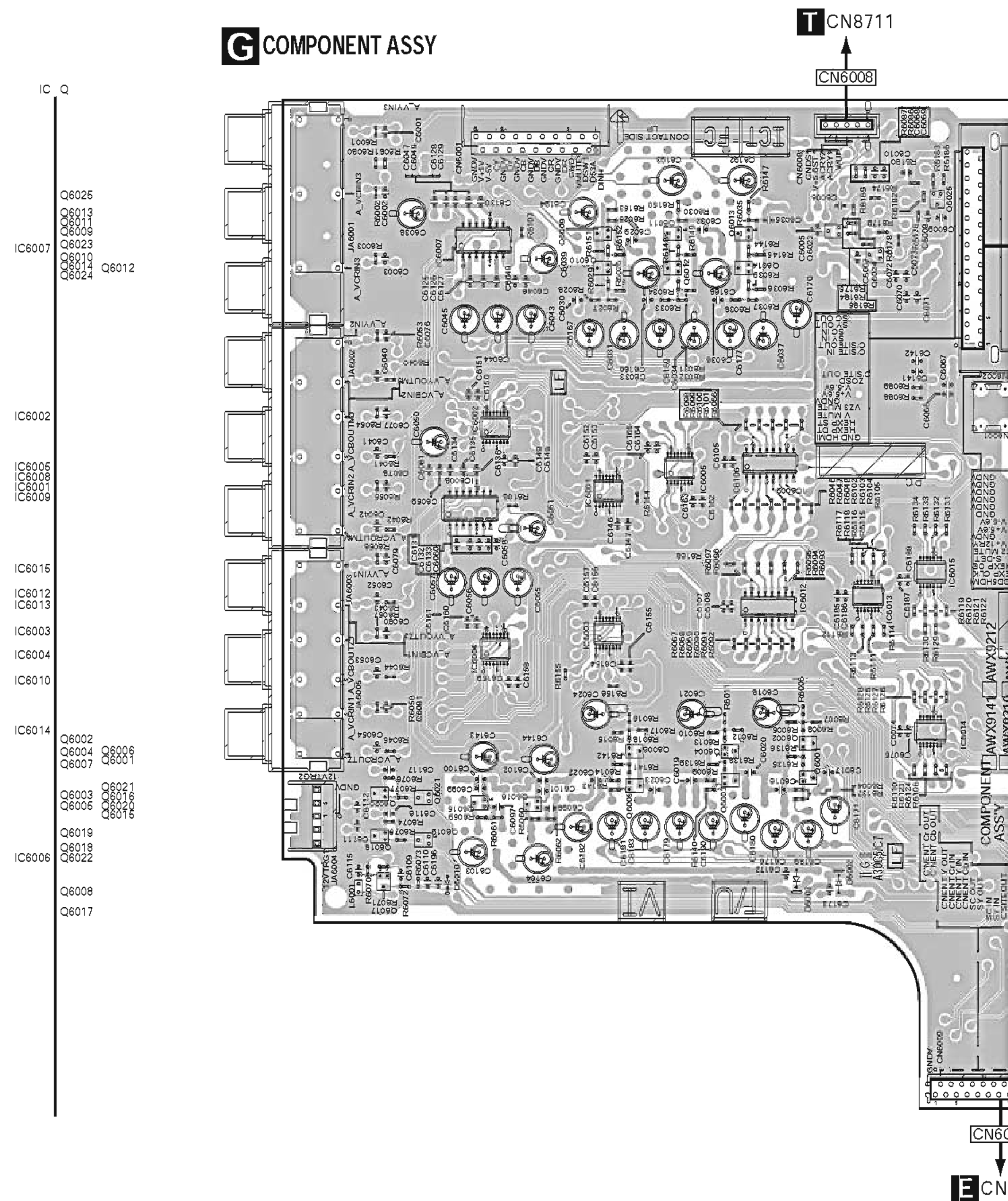
11.6 INTERFACE ASSY

SIDE A

F INTERFACE ASSY

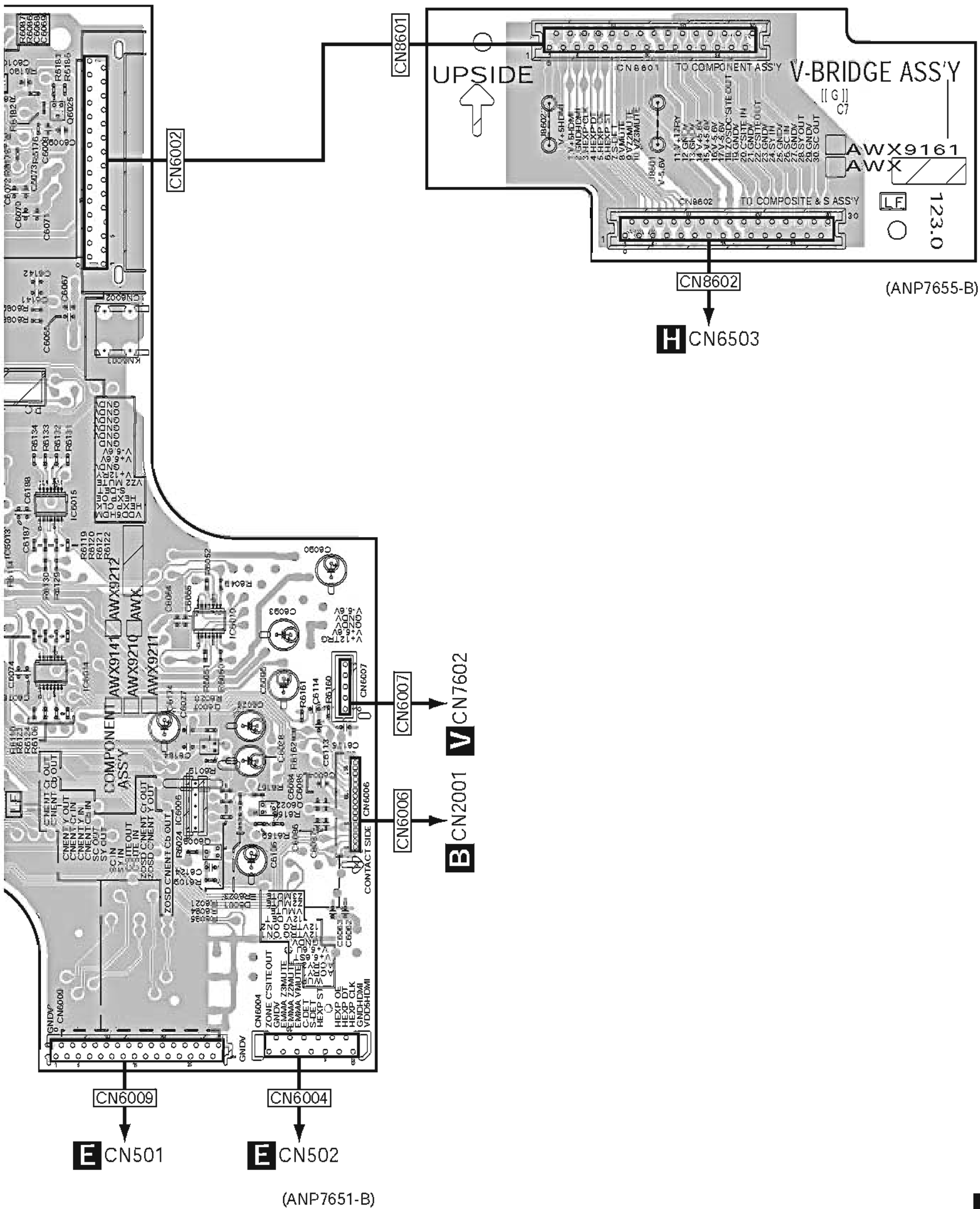


SIDE A



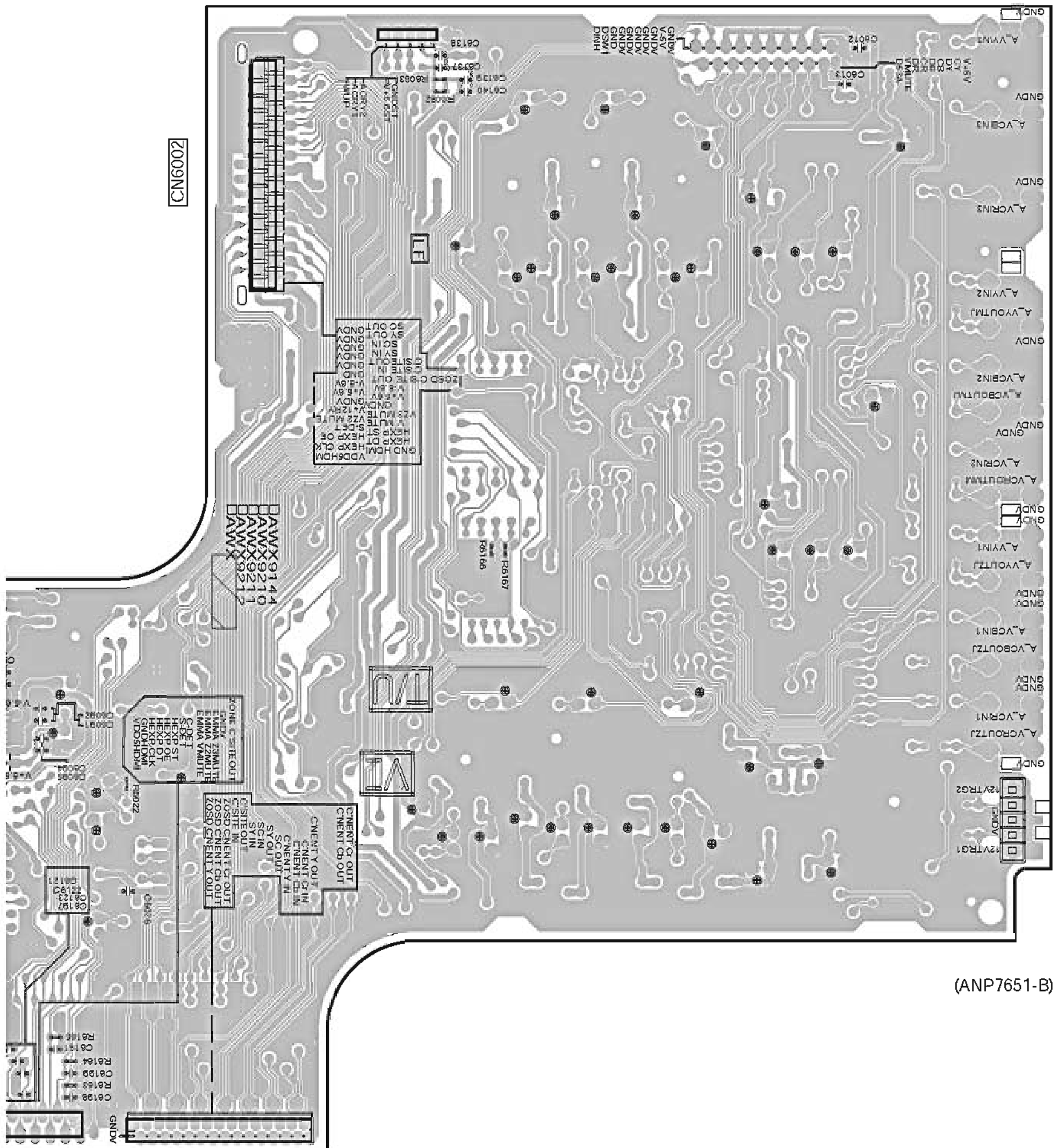
1

J V-BRIDGE ASSY



G COMPONENT ASSY

CN6008



(ANP7651-B)

CN6004

CN6009

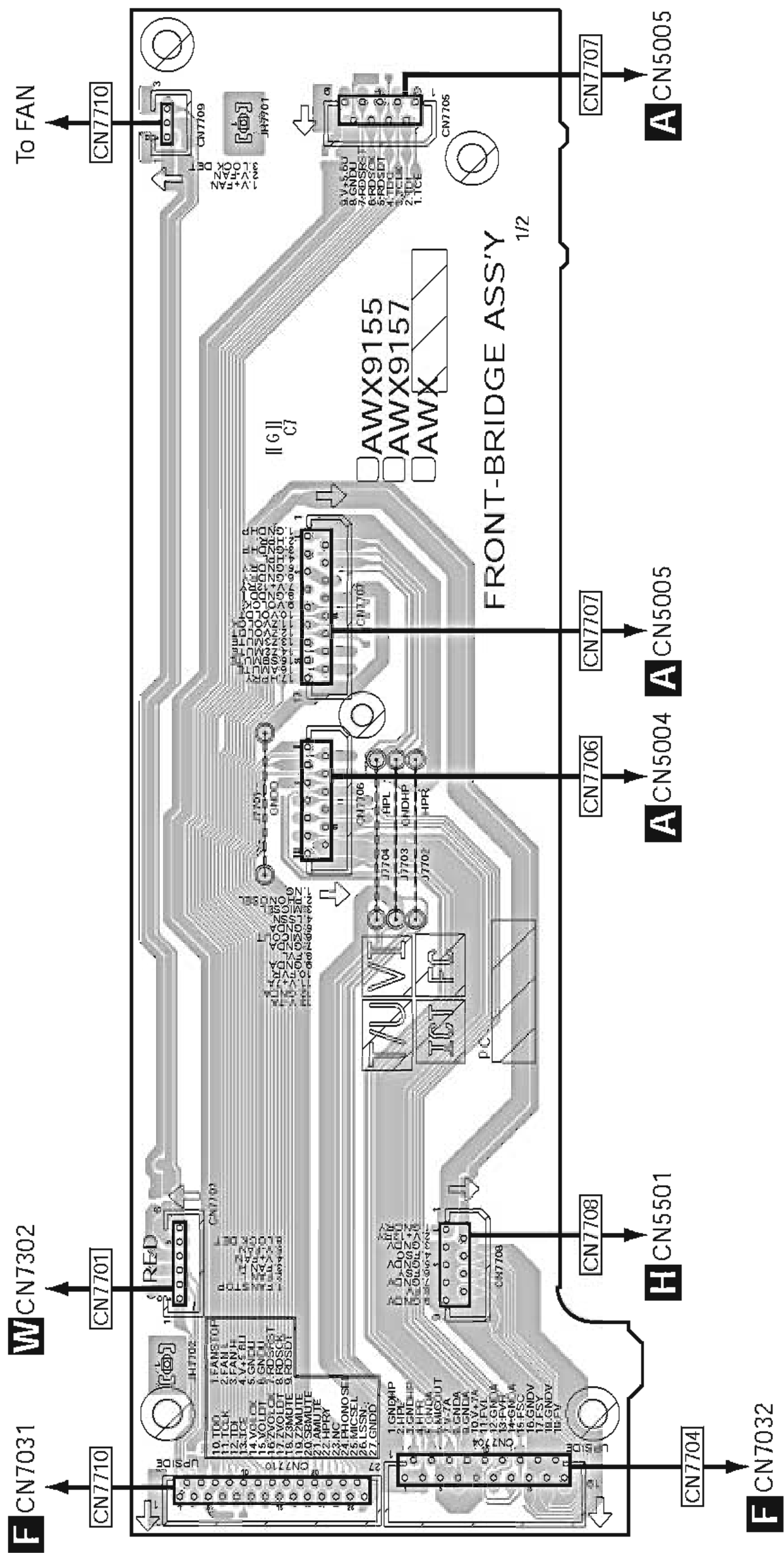
SIDE A

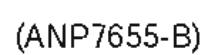
11.9 FRONT BRIDGE ASSY

SIDE A

SIDE A

FRONT BRIDGE ASSY

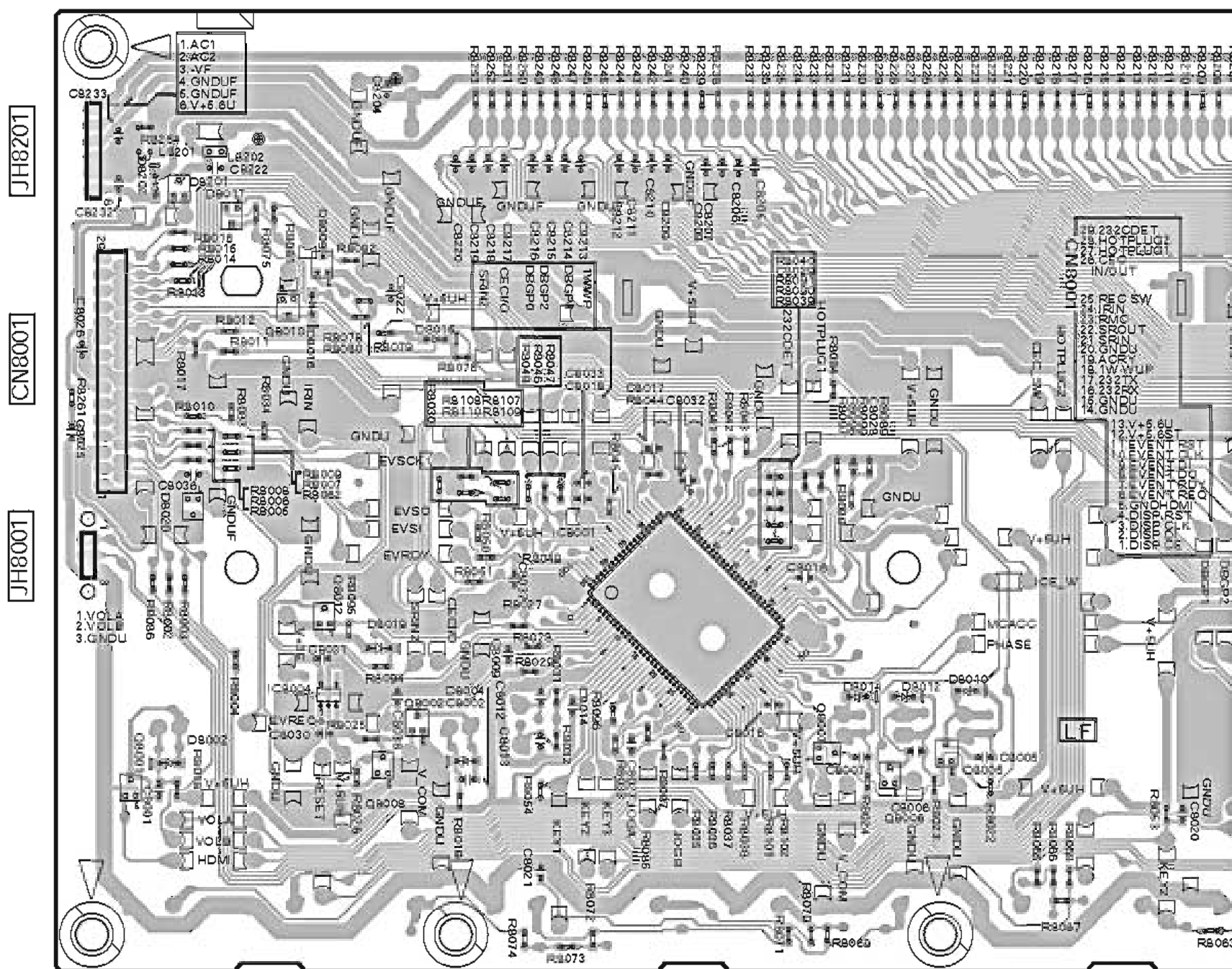


K DISPLAY ASSY

SIDE B

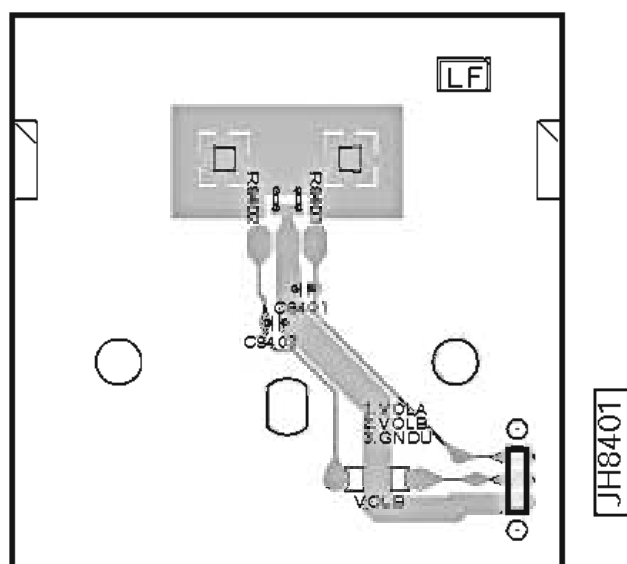
K DISPLAY ASSY

IC	Q
	Q8009
IC8201	Q8010
	Q8012
IC8001	Q8004
	Q8002
IC8004	Q8003
	Q8007
IC8003	Q8001
	Q8005
	Q8008
	Q8006

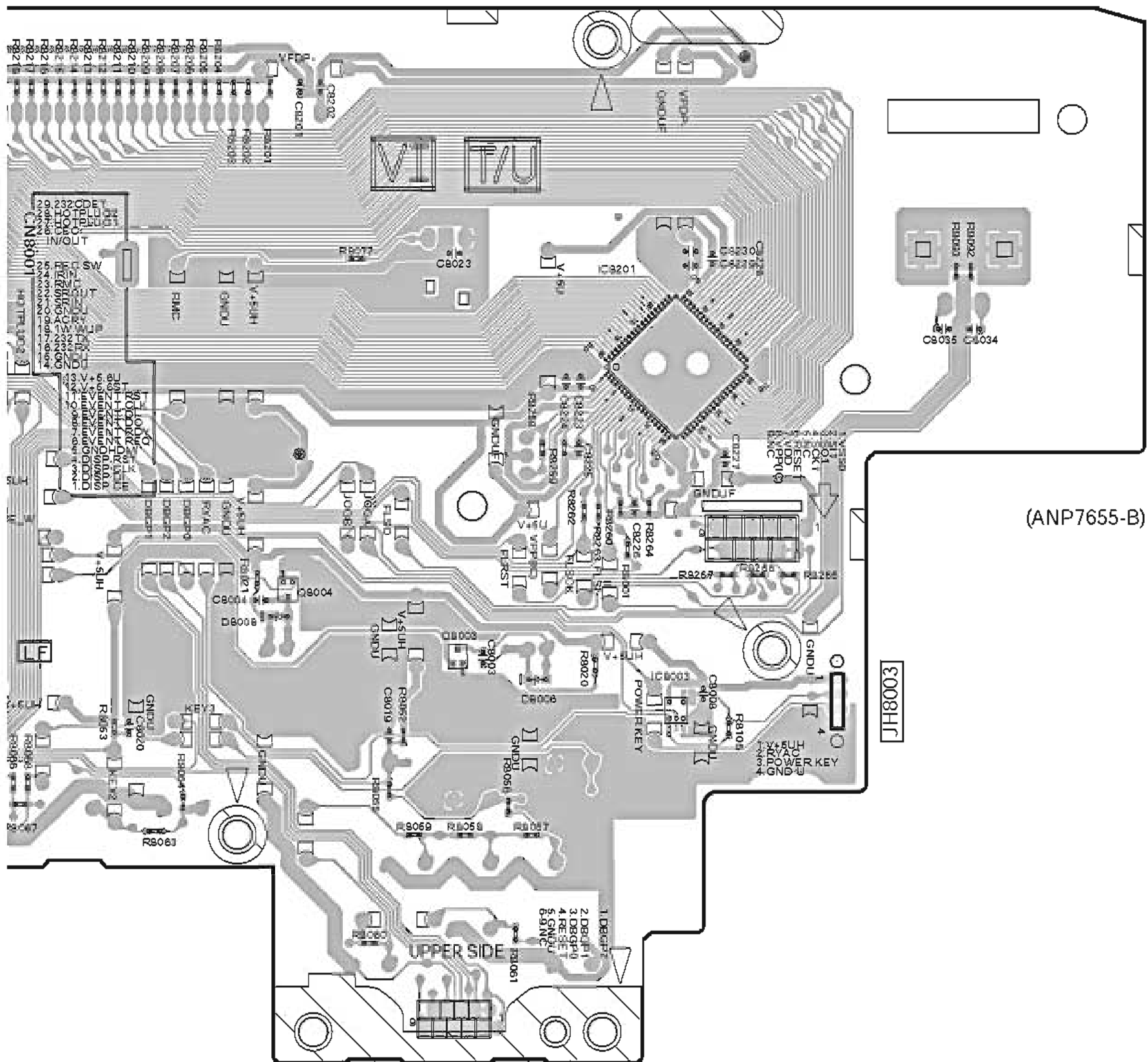


L VOL ASSY

IC	Q
	Q8501



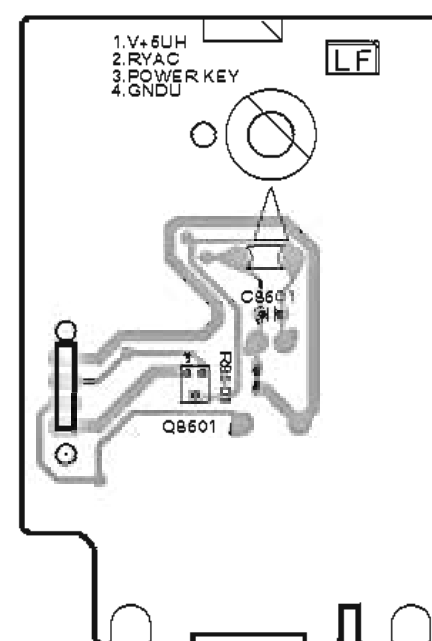
(ANP7655-B)



(ANP7655-B)

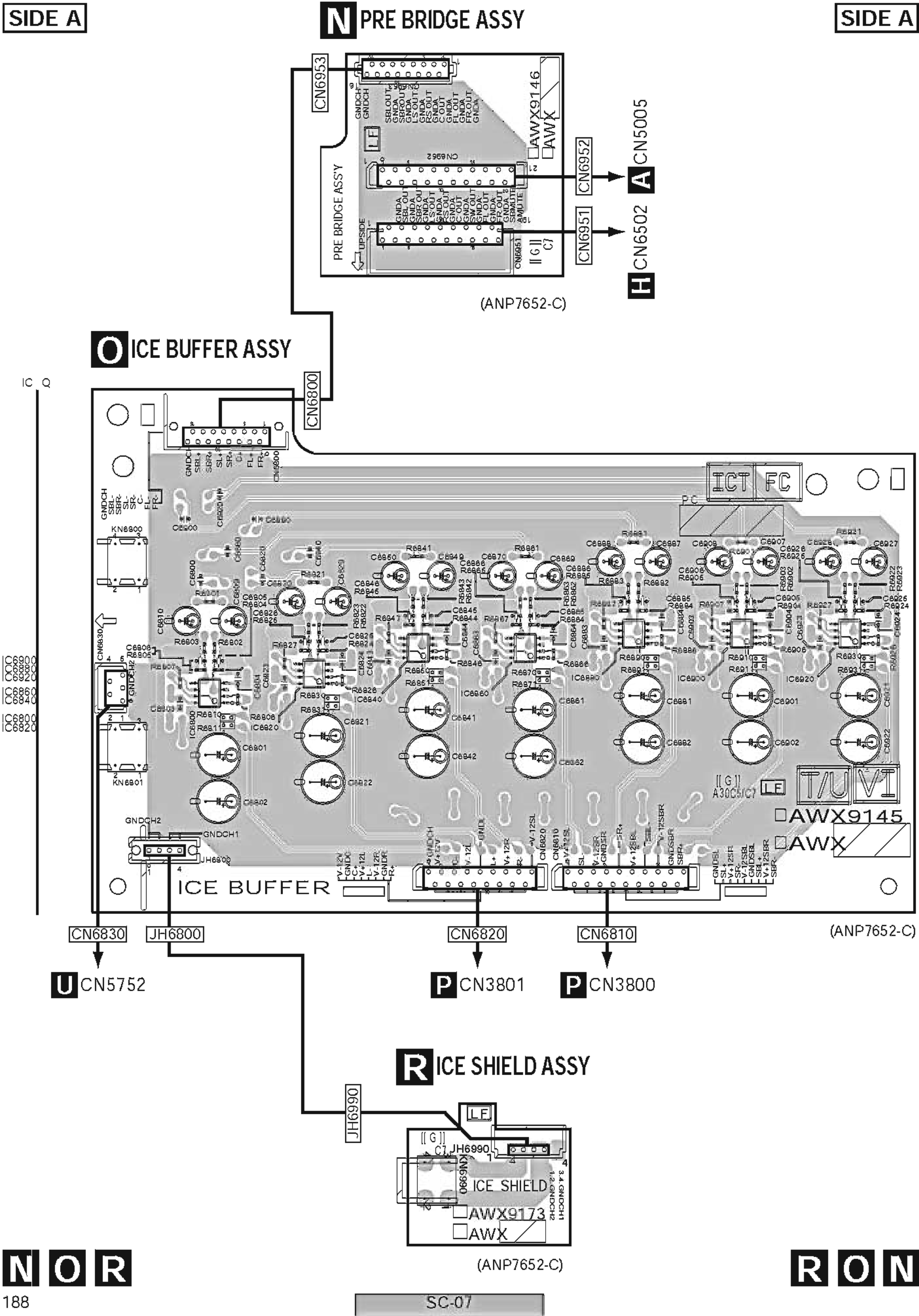
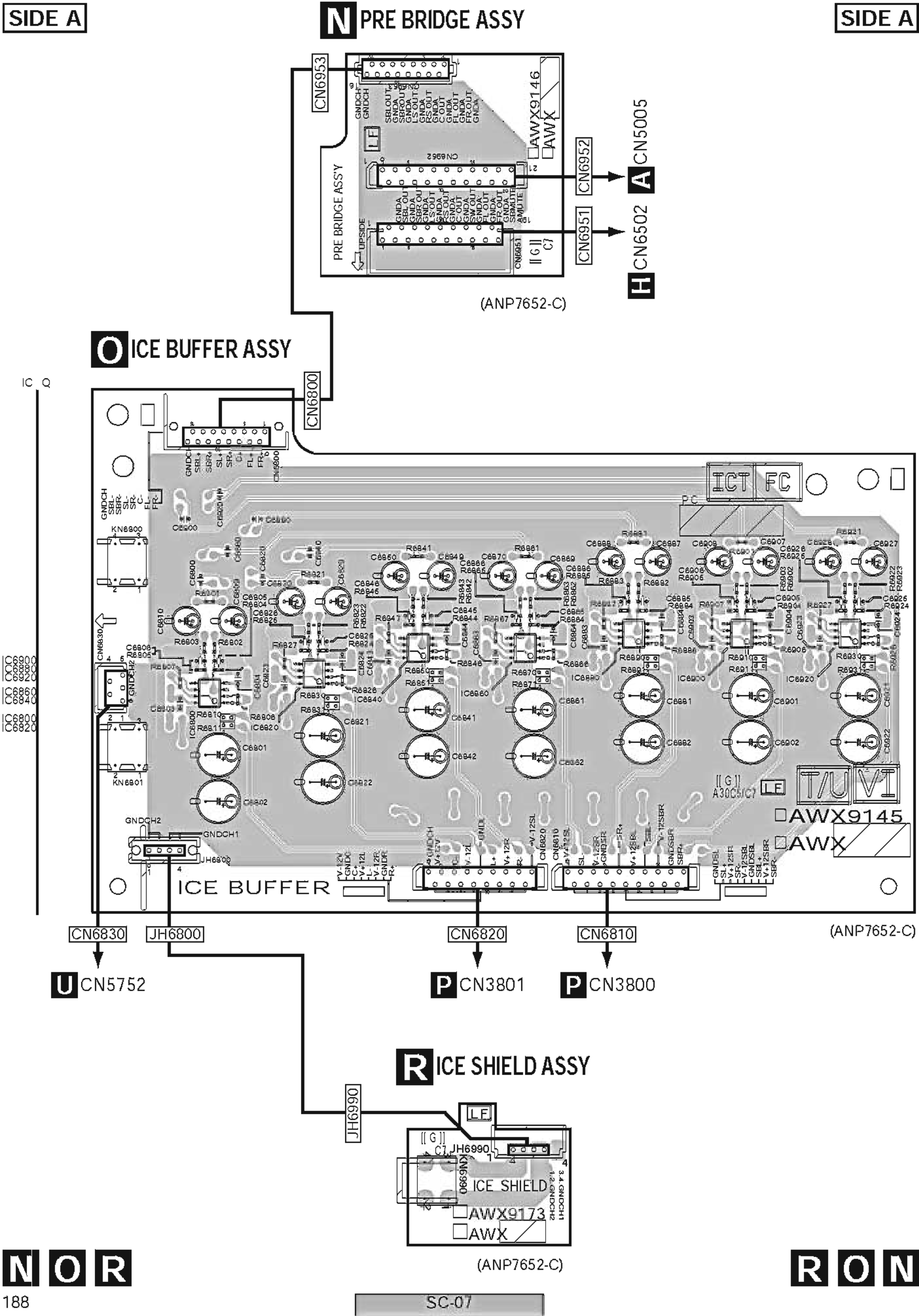
M POWER SW ASSY

JH8501



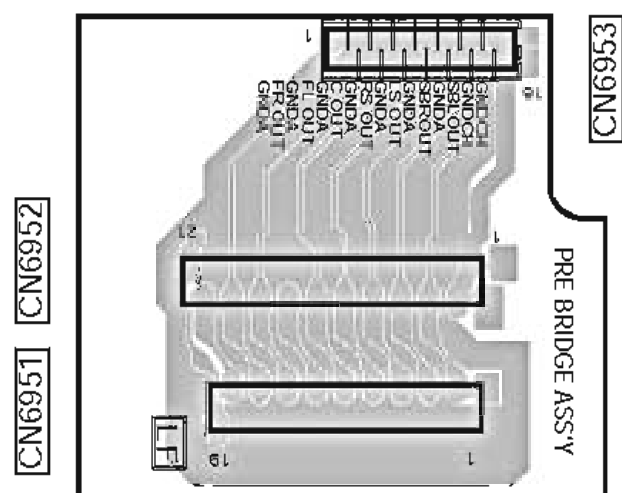
(ANP7655-B)

11.11 PRE BRIDGE, ICE BUFFER and ICE SHIELD ASSYS

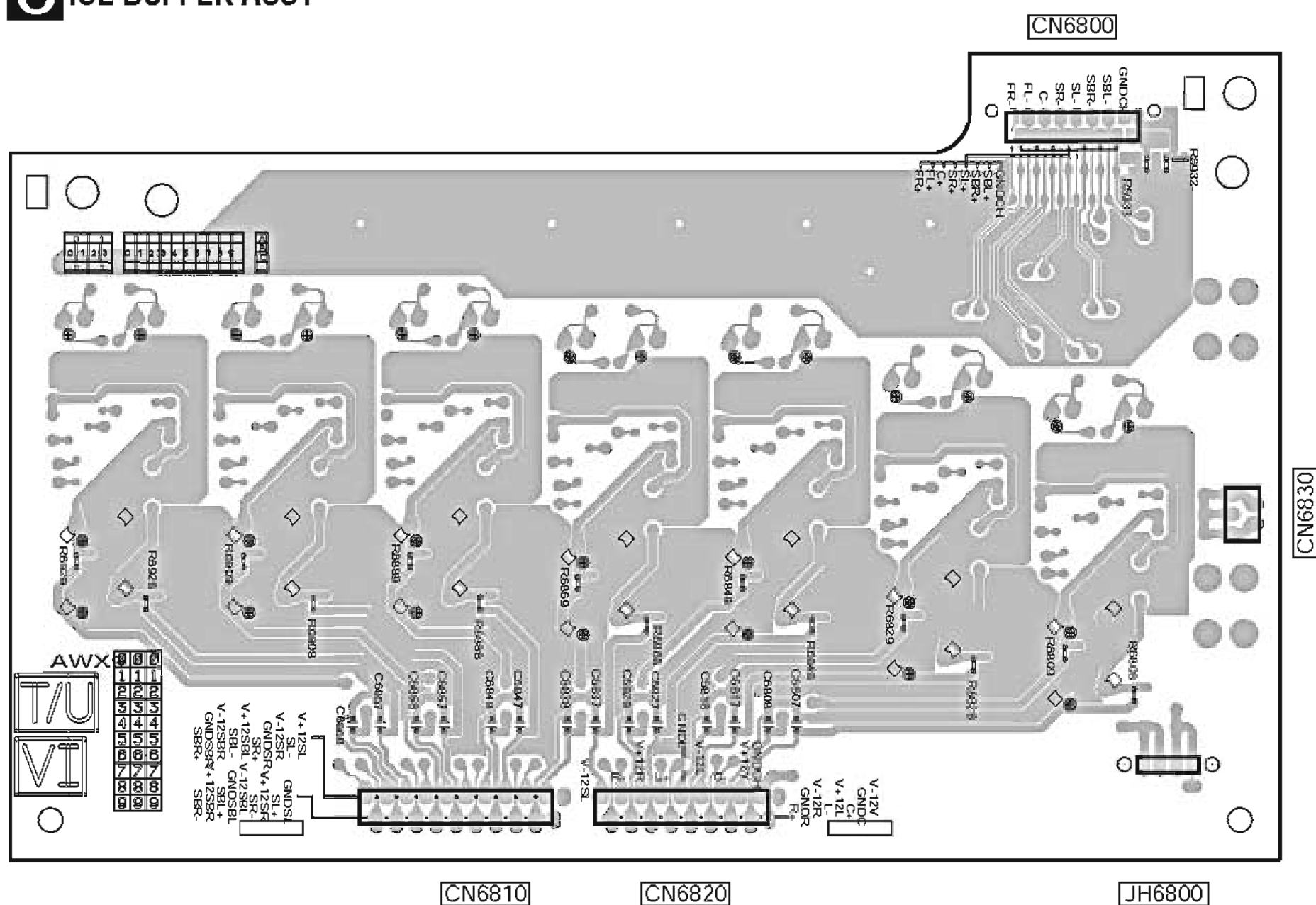


SIDE B

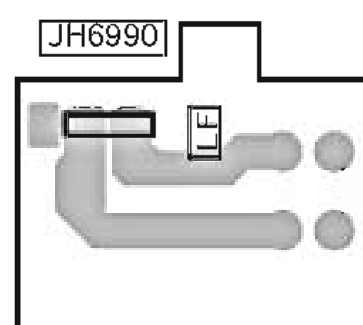
PRE BRIDGE ASSY

SIDE B

(ANP7652-C)

ICE BUFFER ASSY

(ANP7652-C)

RICE SHIELD ASSY

(ANP7652-C)

NOR

RON

189

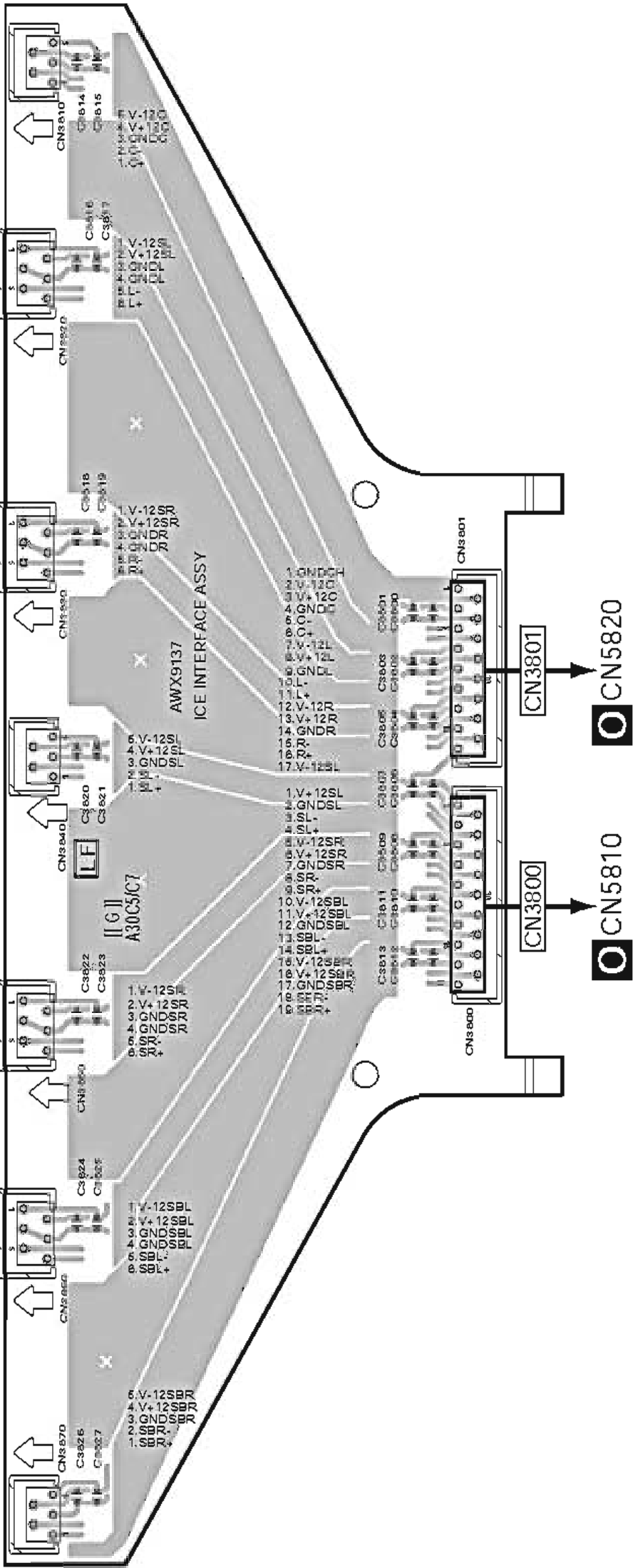
SC-07

11.12 ICE INTERFACE ASSY

SIDE A

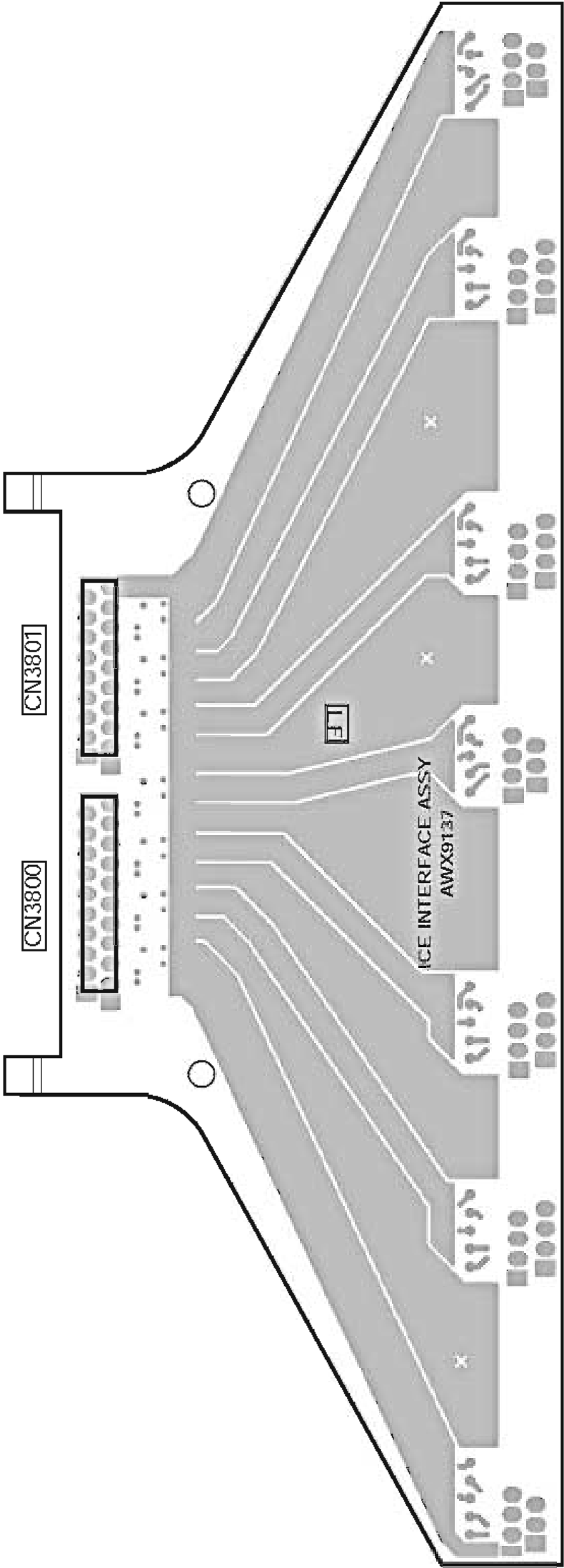
SIDE A

P ICE INTERFACE ASSY



(ANP7649-B)

P ICE INTERFACE ASSY

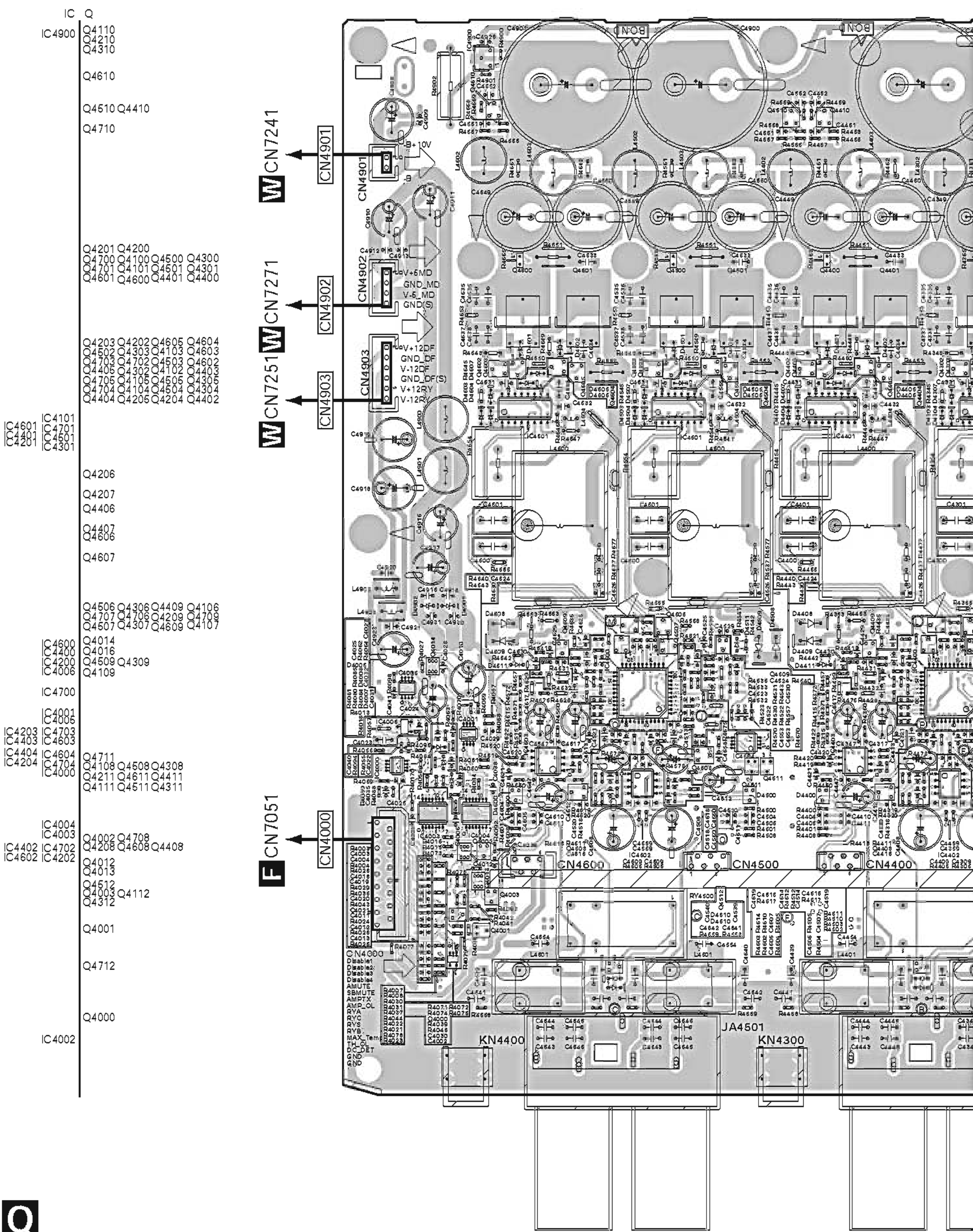


(ANP7649-B)

11.13 ICEPOWER AMP ASSY

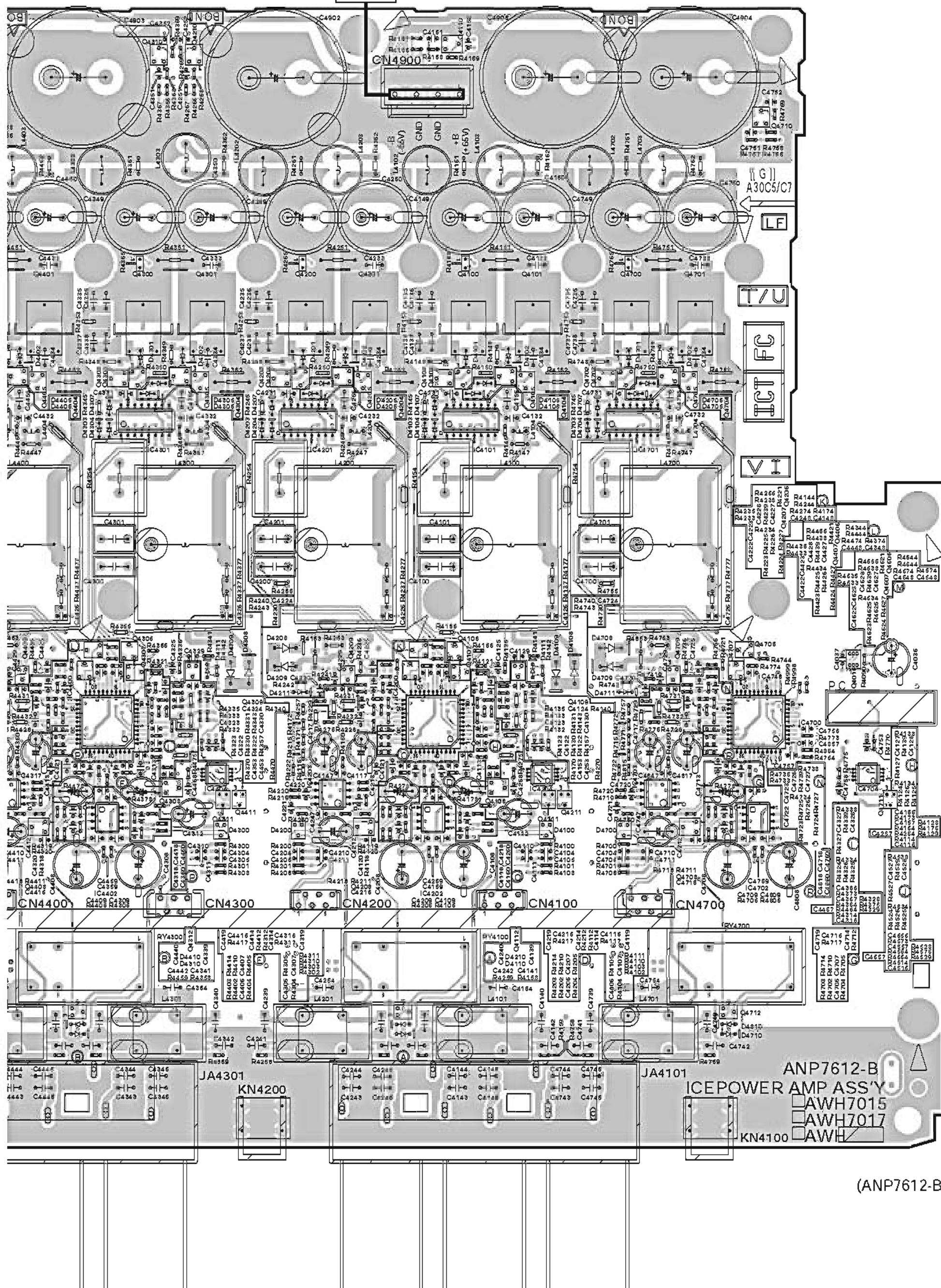
SIDE A

Q ICEPOWER AMP ASSY



Y CN703

CN4900



(ANP7612-B)

IC Q

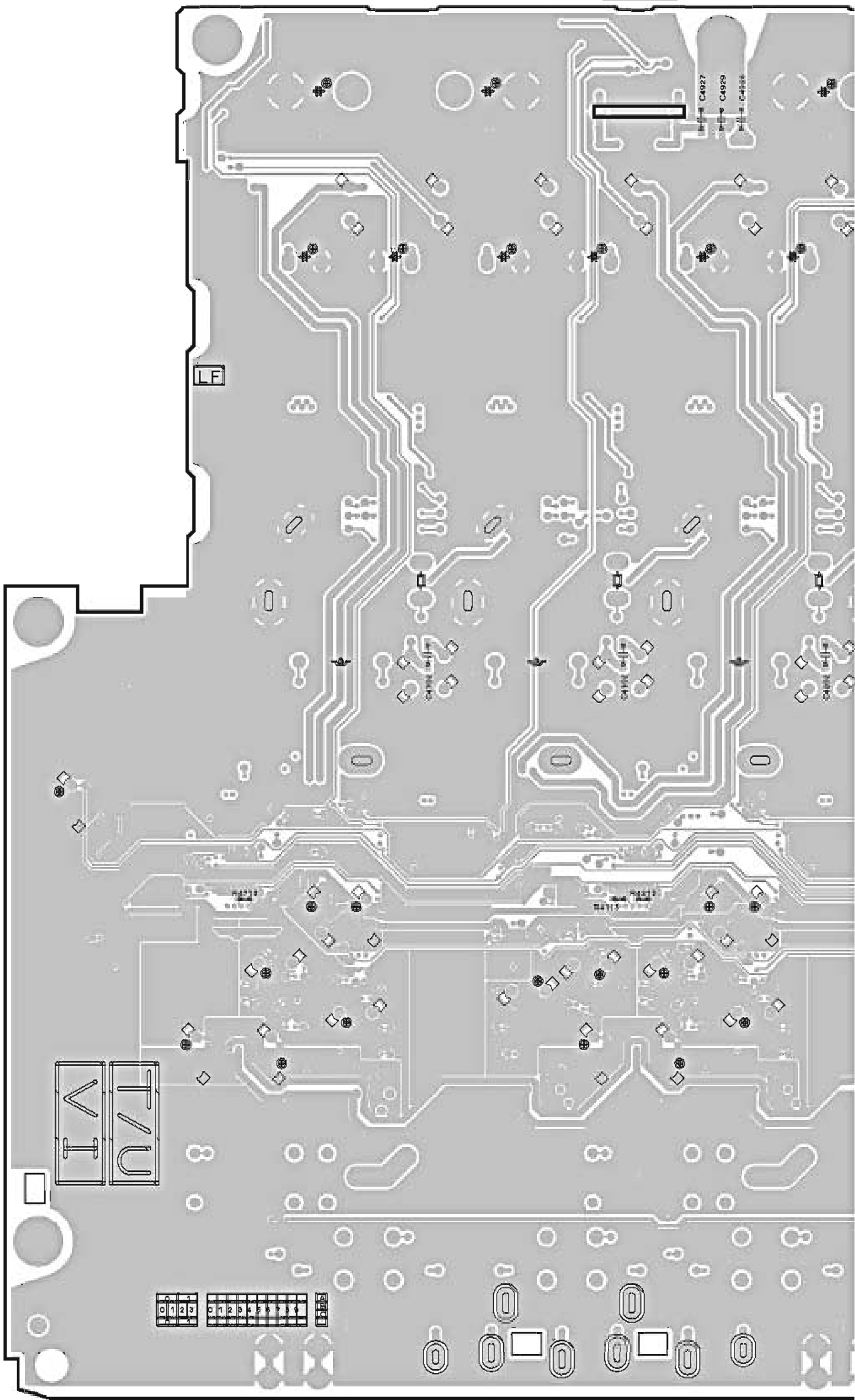
CN4900

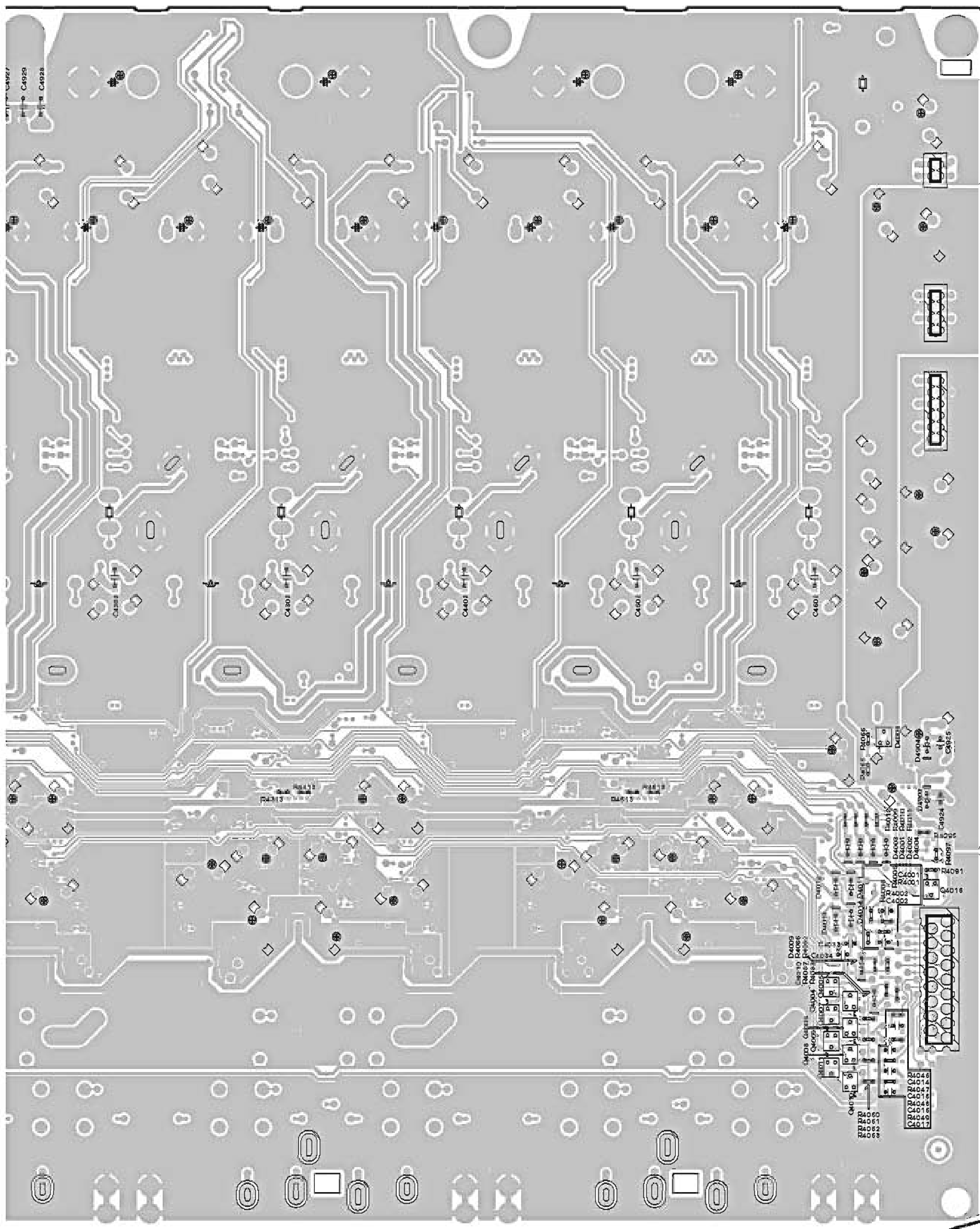
LF

Q4015

Q4004
Q4007
Q4006
Q4009
Q4008 Q4011Q4005

Q4010





CN4901

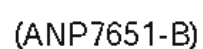
CN4902

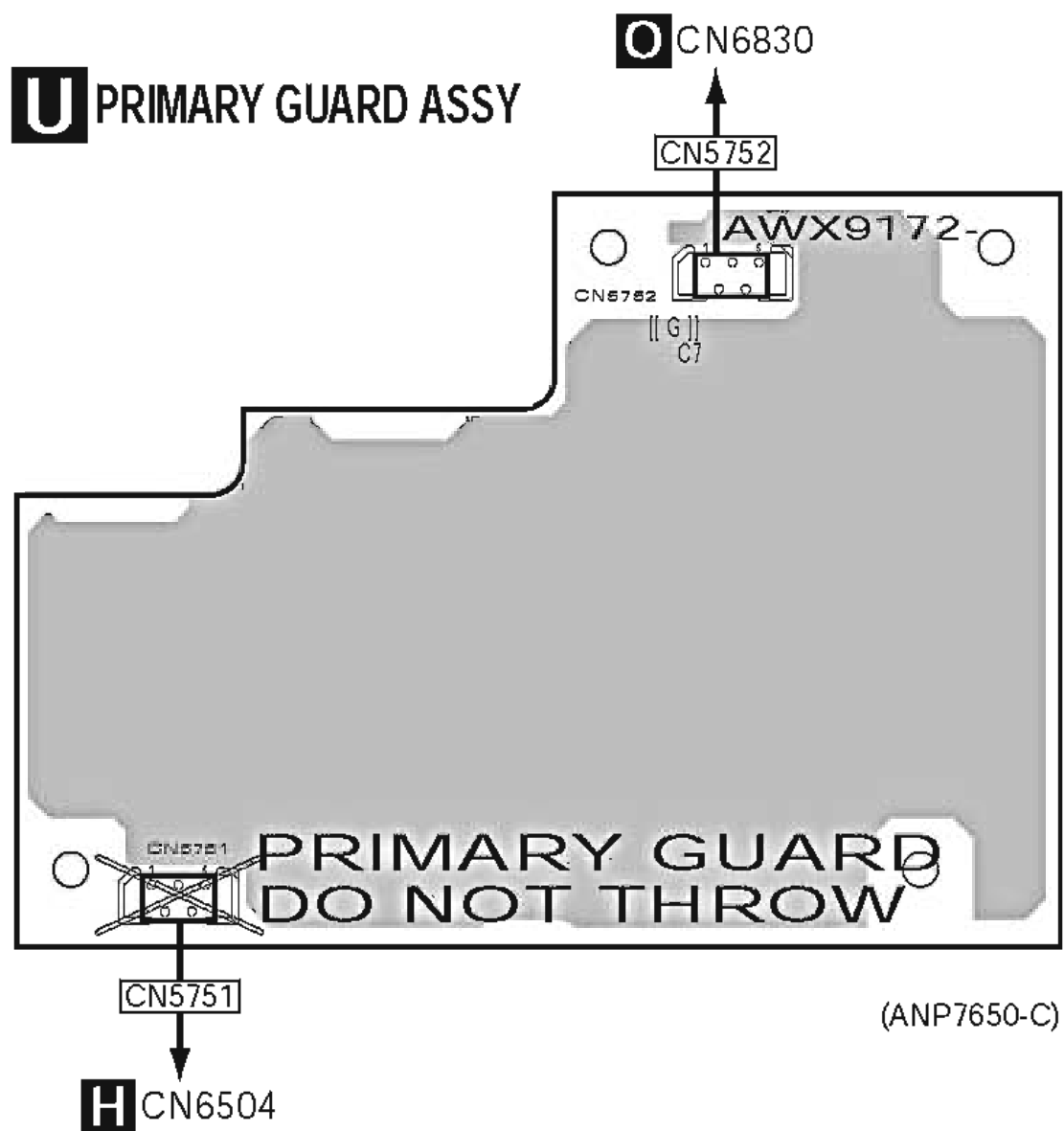
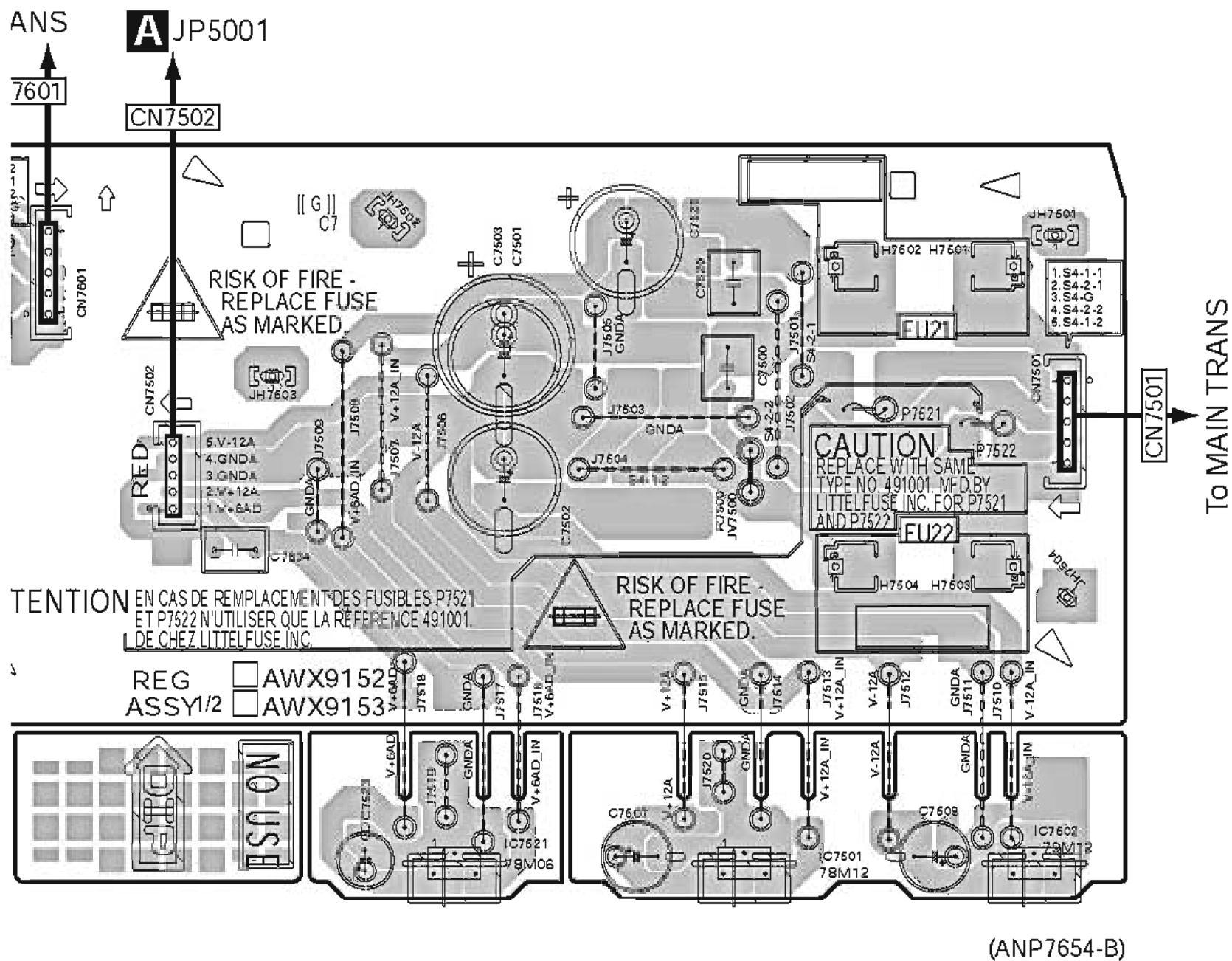
CN4903

CN4000

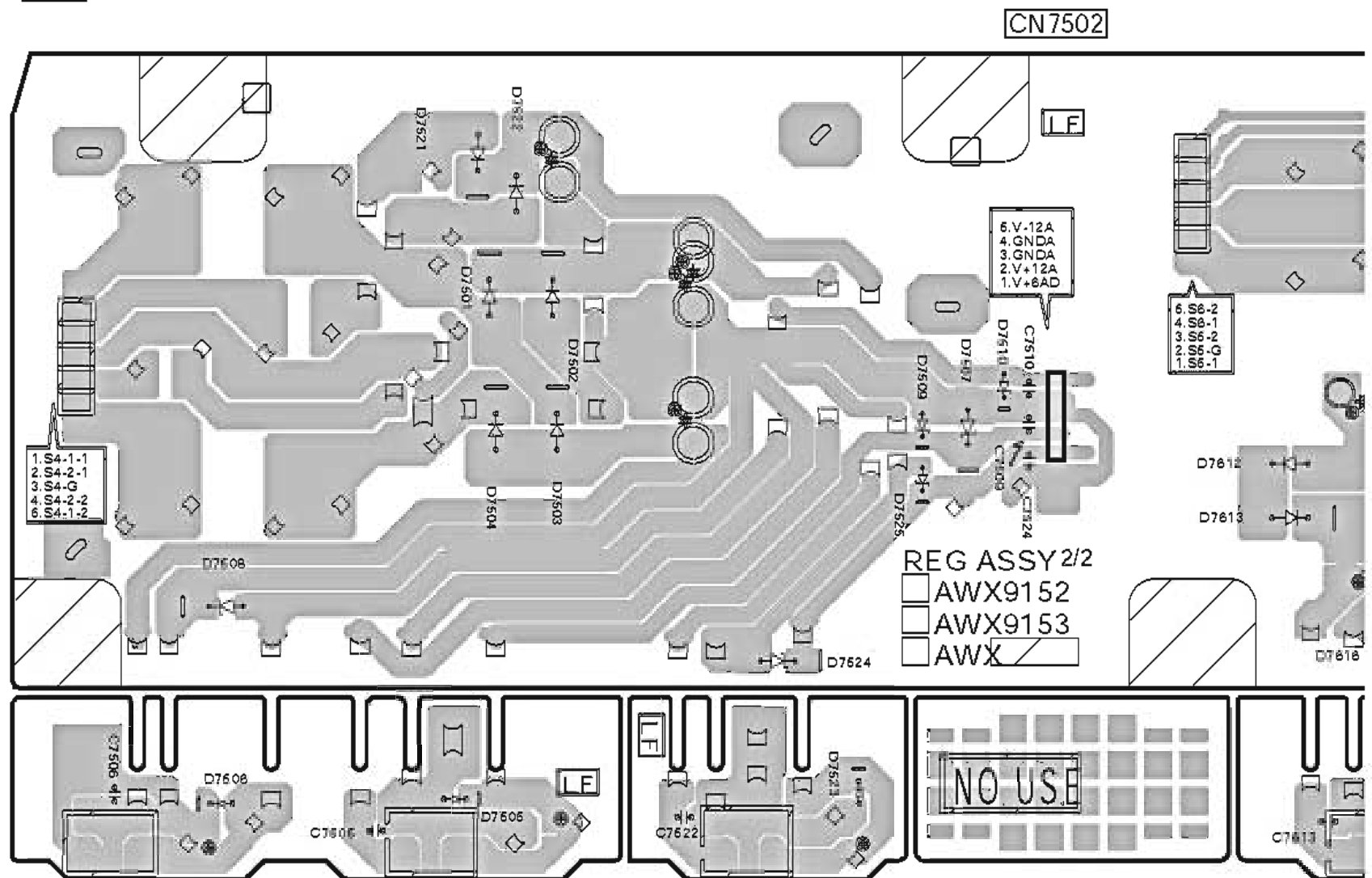
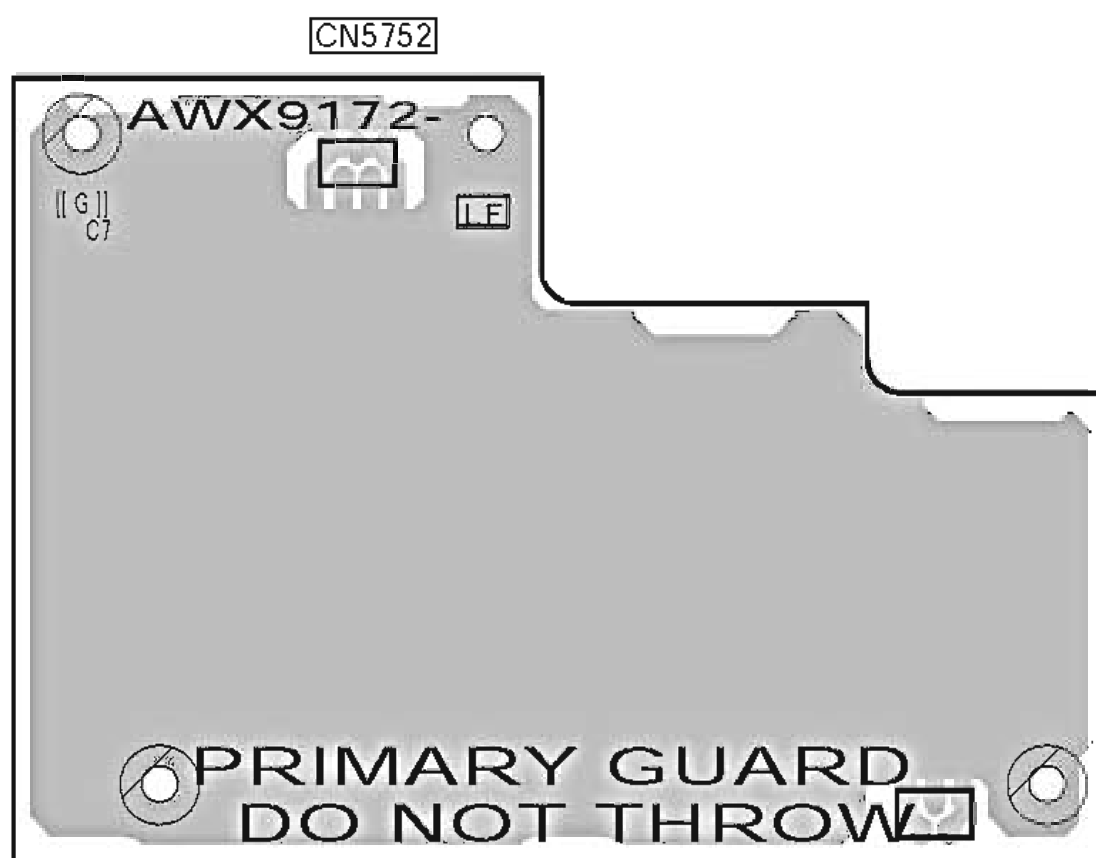
(ANP7612-B)

SIDE A





SIDE B

V REG ASSY**S** ZOUT ASSY

CN5751 (ANP7651-B)

11.15 PRIMARY ASSY

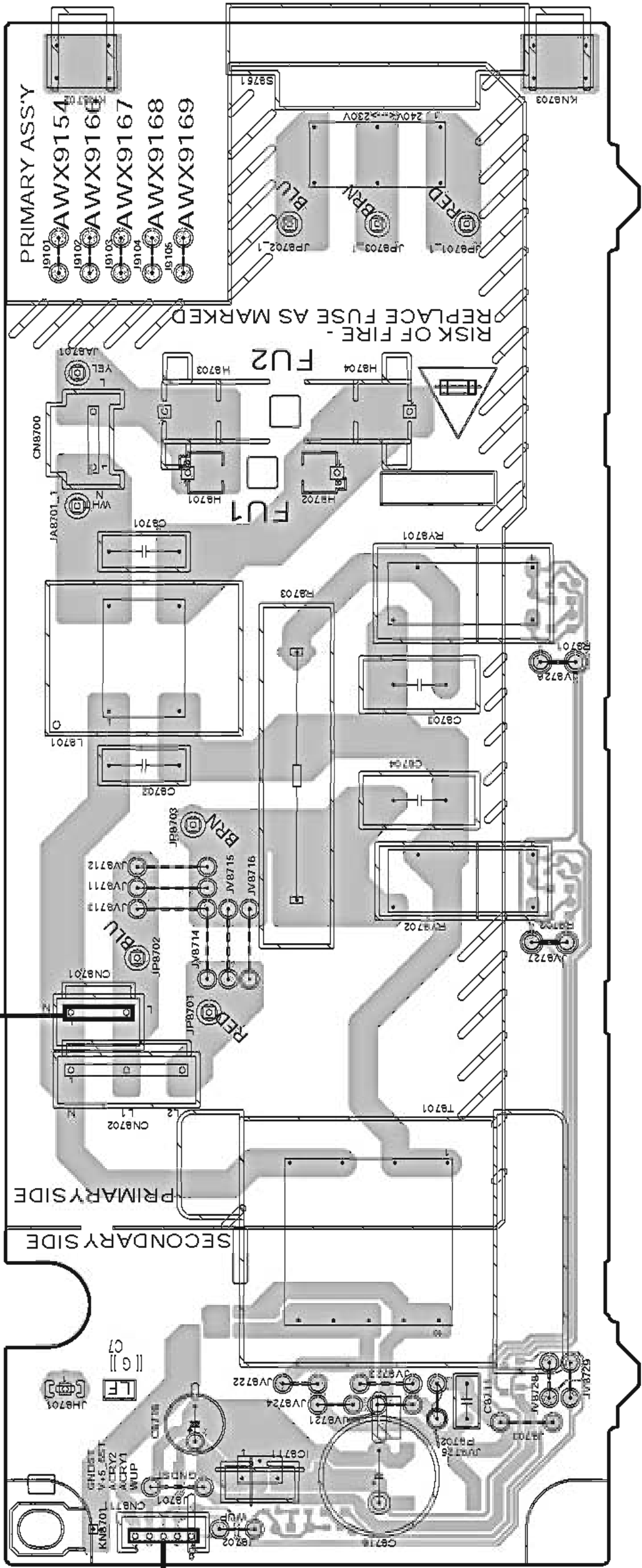
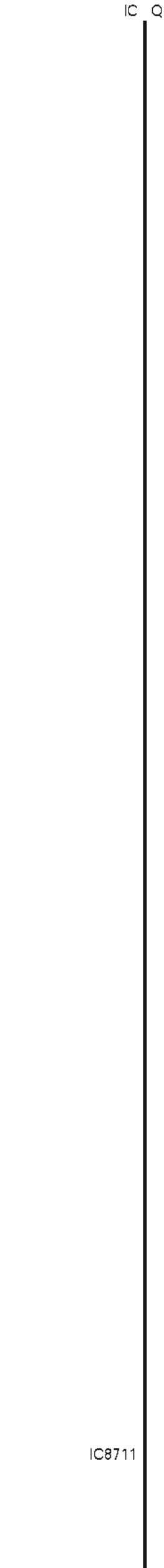
SIDE A

SIDE A

T PRIMARY ASSY

T

T



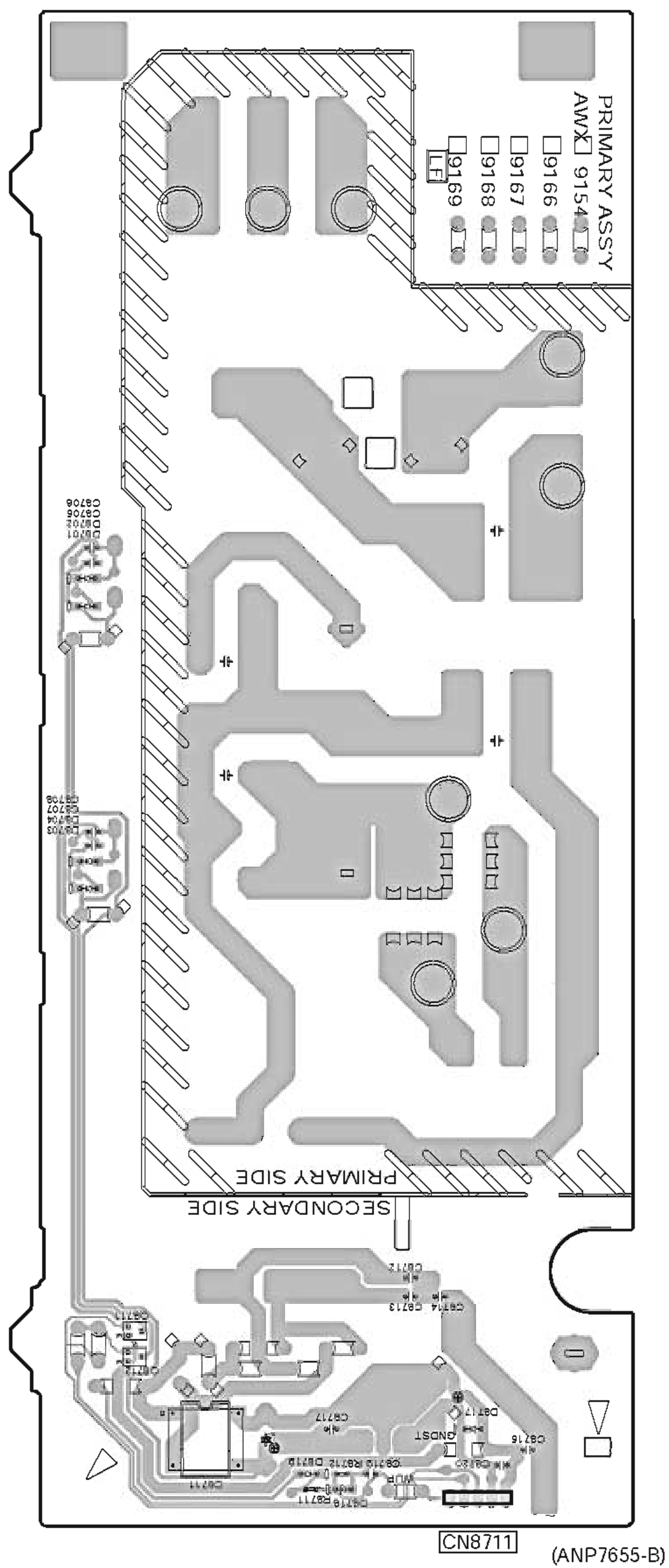
G CN6008

SIDE B

SIDE B

T PRIMARY ASSY

IC Q



T

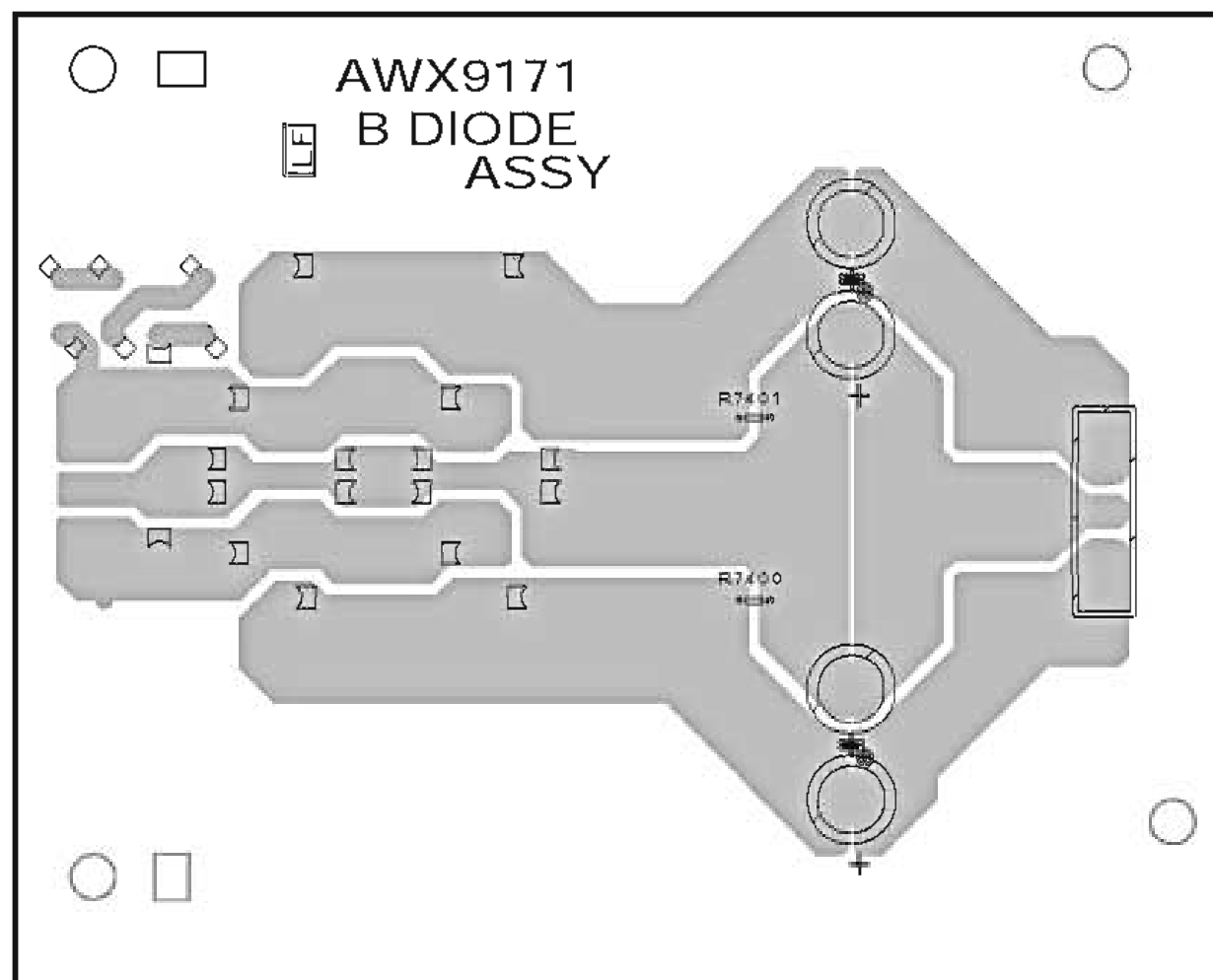
T

201

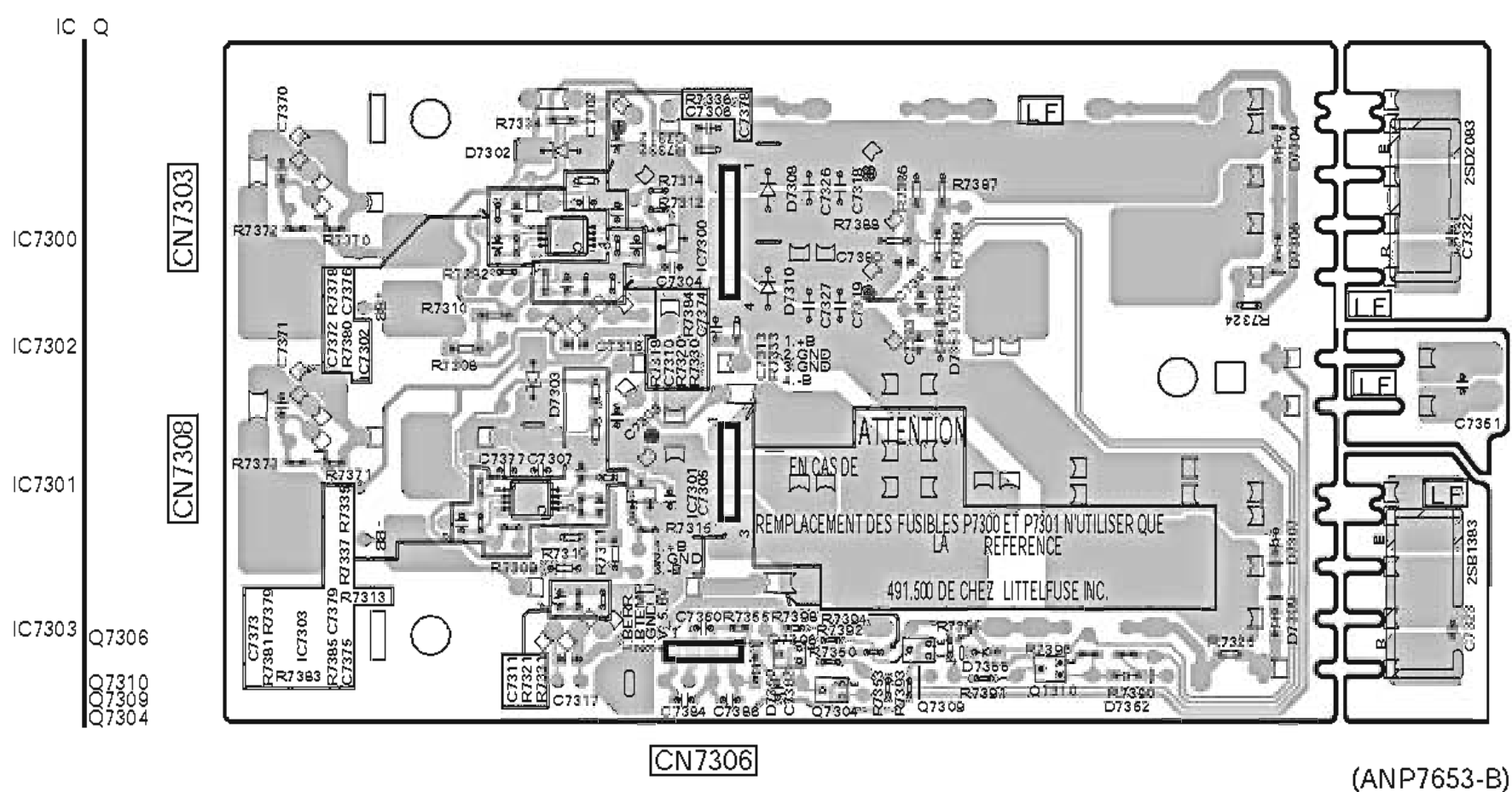
SIDE A



X B DIODE ASSY



(ANP7653-B)

Y B REG ASSY

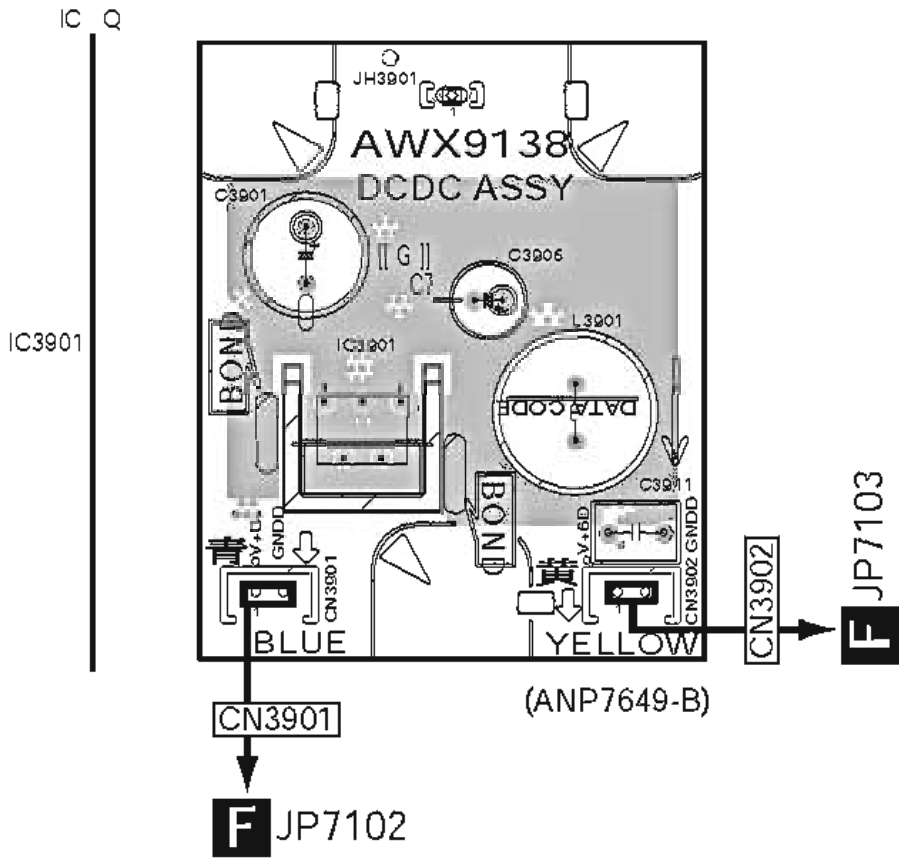
(ANP7653-B)

11.18 DCDC and HDMI RECT ASSYS

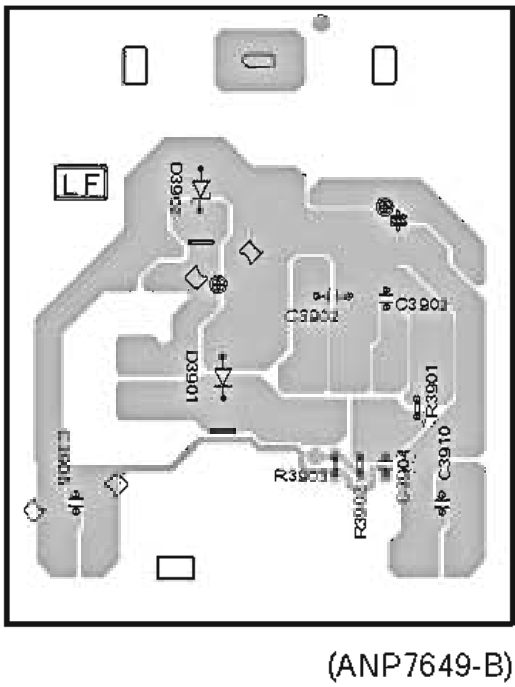
SIDE A

SIDE B

Z DCDC ASSY



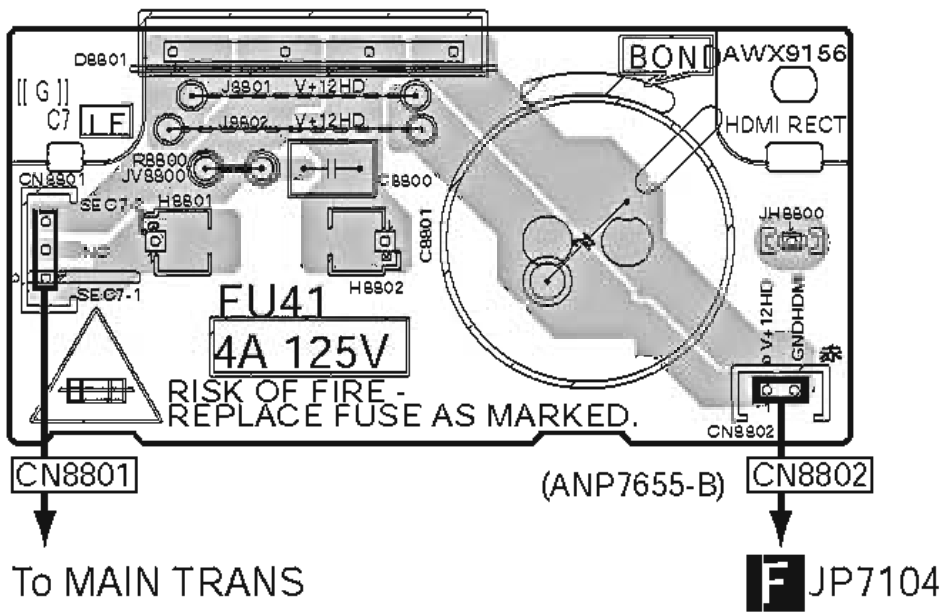
Z DCDC ASSY



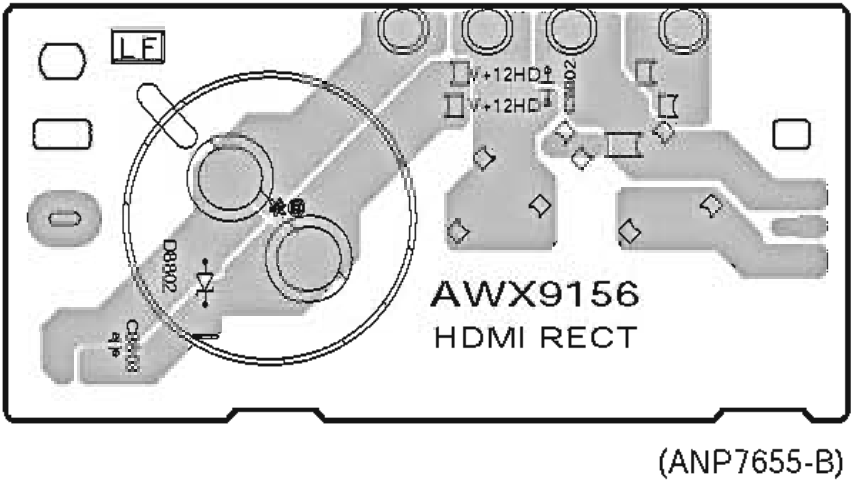
SIDE A

SIDE B

AA HDMI RECT ASSY



AA HDMI RECT ASSY



12. ELECTRICAL PARTS LIST

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

• The Δ 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 Ω $\rightarrow$ 56×10^1 $\rightarrow$ 561 RD1/4PU $\begin{bmatrix} 5 \\ 6 \end{bmatrix} \begin{bmatrix} 1 \\ 0 \end{bmatrix} J$

47 k Ω $\rightarrow$ 47×10^3 $\rightarrow$ 473 RD1/4PU $\begin{bmatrix} 4 \\ 7 \end{bmatrix} \begin{bmatrix} 3 \\ 0 \end{bmatrix} J$

0.5 Ω $\rightarrow$ R50 RN2H $\begin{bmatrix} 5 \\ 0 \end{bmatrix} K$

1 Ω $\rightarrow$ 1R0 RS1P $\begin{bmatrix} 1 \\ 0 \end{bmatrix} K$

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

5.62 k Ω $\rightarrow$ 562×10^1 $\rightarrow$ 5621 RN1/4PC $\begin{bmatrix} 5 \\ 6 \end{bmatrix} \begin{bmatrix} 2 \\ 1 \end{bmatrix} F$

• Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

Mark No.	Description	Part No.	Mark No.	Description	Part No.
LIST OF ASSEMBLIES					
	1..ICEPOWER AMP ASSY	AWH7015	NSP	1..COMPONENT FIN ASSY	AWQ7058
				2..COMPONENT ASSY (SC-07)	AWX9141
NSP	1..COMPOSITE ICE ASSY	AWM8106		2..COMPONENT ASSY (SC-05)	AWX9211
	2..COMPOSITE S ASSY	AWX9144		2..FRONT IN ASSY	AWX9142
	2..ICE BUFFER ASSY	AWX9145		2..ZOUT ASSY	AWX9143
	2..PRE BRIDGE ASSY	AWX9146	NSP	1..INTERFACE REG ASSY	AWR7067
	2..ICE SHIELD ASSY	AWX9173		2..INTERFACE ASSY	AWX9148
NSP	1..PRIM DISPLAY ASSY	AWM8119		2..ICE REG ASSY	AWX9149
	2..PRIMARY ASSY	AWX9154		2..B REG ASSY	AWX9150
	2..HDMI RECT ASSY	AWX9156		2..B DIODE ASSY	AWX9171
	2..DISPLAY ASSY (SC-07)	AWX9158	NSP	1..FBRIDGE REG ASSY	AWR7068
	2..DISPLAY ASSY (SC-05)	AWX9238		2..REG ASSY	AWX9152
	2..VOL ASSY	AWX9159		2..FRONT BRIDGE ASSY	AWX9155
	2..POWER SW ASSY	AWX9160	NSP	1..AUDIO ASSY	AWR7070
	2..V-BRIDGE ASSY	AWX9161		2..AUDIO ASSY	AWX9139
NSP	1..DIGITAL MOTHER ASSY	AWP7057		2..232C & CONTROL ASSY	AWX9140
	2..D-MOTHER ASSY (SC-07)	AWX9136		2..PRIMARY GUARD ASSY	AWX9172
	2..D-MOTHER ASSY (SC-05)	AWX9201			
	2..ICE INTERFACE ASSY	AWX9137		1..HDMI NETWORK ASSY (SC-07)	AWX9135
	2..DCDC ASSY	AWX9138		1..HDMI NETWORK ASSY (SC-05)	AWX9190
	2..H GUARD2 ASSY	AWX9147		1..FM/AM TUNER UNIT	AXX7250
	2..H GUARD ASSY	AWX9174			

CONTRAST OF PCB ASSEMBLIES

G COMPONENT ASSY

AWX9141 and AWX9211 are constructed the same except for the following:

Mark	Symbol and Description	AWX9141	AWX9211
	IC6008 Video IC	NJM2581M	Not used
	IC6002, IC6004 Multiplexer(4chx2)	TC74LVX4052FT	Not used
	JA6005 Pin Jack(3p)	Not used	AKB7203
	JA6003 Pin Jack(6p)	AKB7204	Not used
	R6043, R6044, R6045	RS1/16S750J	Not used
	R6108	RS1/16S103J	Not used
	C6050, C6051, C6055-C6057	CEAT101M10	Not used
	C6058, C6059, C6148, C6151, C6158, C6161	CKSRYB105K10	Not used
	C6060, C6061, C6149, C6150, C6159, C6160	CCSRCH102J50	Not used
	C6131-C6136	CKSRYB103K50	Not used

K DISPLAY ASSY

AWX9158 and AWX9238 are constructed the same except for the following:

Mark	Symbol and Description	AWX9158	AWX9238
	R8015, R8084	Not used	RS1/16S0R0J

PCB PARTS LIST FOR SC-07/KUXJ/CA UNLESS OTHER WISE NOTED

Mark No. Description Part No.

A AUDIO ASSY

SEMICONDUCTORS

IC 5001,5282,5302,5401	NJM4565MD
IC 5201	BD3473KS2
IC 5221	BD3814FV
IC 5255,5351	TC4053BFN
IC 5301	TC4066BFN
Q 5269,5301,5351	RT1N241M
Q 5302	RT1P241M
Q 5401,5402	2SK208
Q 5431	IMX25
Q 5451	RT3T22M
Q 5453	RT1N140M
△ Q 5501	2SD1858X
△ Q 5502	2SB1238X
△ Q 5601	2SD1664
D 5201,5301,5302	1SS302
D 5401,5402,5451,5452	1SS352
D 5501,5502	UDZS7R5(B)
D 5602	UDZS10(B)

MISCELLANEOUS

JA 5001,5002 PIN JACK(4P)	XKB3017
JA 5004-5009 PIN JACK(4P)	XKB3017
RY 5451 RELAY	VSR1017
CN 5002 CONNECTOR	CKS3384
CN 5003 CONNECTOR	CKS3386
CN 5004 13P CONNECTOR	52044-1345
CN 5005 17P CONNECTOR	52044-1745
CN 5006 21P SOCKET	XKP3081
CN 5007 9P CONNECTOR	52044-0945
CN 5008 11P CONNECTOR	52044-1145
CN 5009 CONNECTOR	CKS3376
JH 5001 PCB BINDER	VEF1040
JP 5001 5P HOUSING ASSY	ADX7653

RESISTORS

R 5413,5414	RD1/4MUF330J
Other Resistors	RS1/16S###J

CAPACITORS

C 5003,5004,5017,5018	CEAT100M50
C 5007,5008,5019,5020	CEAT470M16
C 5011,5012	CKSRYB822K50
C 5013-5016	CKSRYB122K50
C 5021,5022,5232,5234	CKSRYB104K16
C 5035,5038,5055,5056	CEAT220M50
C 5045,5046,5115,5116	CEAT100M50
C 5075,5076,5085,5086	CEAT220M50
C 5095,5096,5105,5106	CEAT220M50
C 5125,5126,5145,5146	CEAT220M50
C 5135,5136,5221,5222	CEAT100M50
C 5155,5156,5165,5166	CEAT220M50
C 5175,5176,5185,5186	CEAT220M50

Mark No. Description Part No.

C 5202,5204,5231,5233	CEAT470M16
C 5205,5206,5235,5236	CCSRCH101J50
C 5207,5208	CEAT220M50
C 5209,5210	CFHXSQ103J16
C 5223,5224,5227,5228	CEAT2R2M50
C 5225,5226,5271-5278	CEAT100M50
C 5265,5266,5285,5286	CKSRYB103K50
C 5282,5303,5304	CCSRCH101J50
C 5290,5503,5504	CEAT100M50
C 5301,5302,5305,5306	CKSRYB103K50
C 5307,5308	ACH7196
C 5351,5352,5421,5423	CKSRYB103K50
C 5356,5357,5508,5510	CCSRCH102J50
C 5401,5402	CEAT1R0M50
C 5403,5404	CCSRCH221J50
C 5409,5410	CEAT471M16
C 5411,5412	CEAT470M16
C 5422,5424	CEAT470M25
C 5431,5432,5601,5605	CKSRYB103K50
C 5451,5603,5606	CEAT101M16
C 5501,5502	CEAT2R2M50
C 5511	CCSRCH102J50
C 5602,5708,5710,5712	CKSRYB104K16
C 5701,5703,5709,5711	CKSRYB471K50
C 5702,5704	CKSRYB104K50
C 5705	CKSRYB103K50
C 5713,5715,5719	CKSRYB471K50
C 5714,5718	CKSRYB104K16

B D-MOTHER ASSY (SC-07)

SEMICONDUCTORS

IC 2001	PEG489B8
IC 2002,2003,2203,2204	TC4094BFN
IC 2005	BU4842F
IC 2006	TC74LCX244FTS1
IC 2007,2008,2406	TC74VHCT125AFTS1
IC 2009,2010	TC74VHCT541AFTS1
△ IC 2011,2412	NJM2880U1-33
IC 2201	PEG396A
IC 2202	AYW7256
IC 2205,2211,2408,2409	TC74VHC125FTS1
IC 2206	TC74VHC32FTS1
IC 2207,2407,2709,2805	TC74VHC08FTS1
IC 2208	TC74VHCT08AFTS1
IC 2209	TC74VHC04FTS1
IC 2210	TC74VHC00FTS1
IC 2213	TC7SH04FUS1
IC 2401	AK4114VQ
IC 2402-2404,2803	TC74LCX157FTS1
IC 2410,2411,2707	TC7SH08FUS1
△ IC 2413,2983	NJM2845DL1-05

Mark	No.	Description	Part No.
	IC	2414,2602,2603	TC74VHC125FTS1
	IC	2601	BU9450KV
⚠	IC	2604	AAT4618IGV-0.5-1
	IC	2701	DSPA56720AG
	IC	2702	AYW7234
	IC	2703	HY57V641620FTP-6
	IC	2704,2705	TC74LCX573FTS1
⚠	IC	2706	NJM2872BF33
⚠	IC	2710	NJM2846DL3-33
⚠	IC	2711	PQ1LAX95MSPQ
⚠	IC	2712	RP131H101D
⚠	IC	2713	NJM2846DL3-25
	IC	2714	TC7SH32FUS1
	IC	2801	DSPC56371AF180
	IC	2802	PDC168A8
	IC	2804,2806	TC74LCX08FTS1
	IC	2807	TC74VHC126FTS1
	IC	2808	TC7WH157FU
	IC	2901,2902,3401	NJM4565MD
	IC	2951	PCM1804DB
⚠	IC	2981	NJM2391DL1-33
⚠	IC	2982	NJM2885DL1-33
	IC	3001,3101,3201,3301	RNB4580F
	IC	3051,3151,3251,3351	SRC4190IDB
	IC	3052,3152,3252,3352	WM8740SEDS
	IC	3053,3153,3253,3353	TC7WH125FU
	IC	3451	AK4387ET
	Q	2005,2008	RT1N241M
	Q	2006	RT3P22M
	Q	2007	2SA1366
	Q	2201	RT1N141M-11
	Q	2202	2SA1602A
	Q	2203	RT1P431M
	Q	2205,2207,2208	RT1P241M
	D	2001,2003,2951,2952	MC2848-11
	D	2002	RB520S-30
⚠	D	2004,2005	MC2848-11
	D	2201	1SS357
	D	2601,2602	HZU5R6(B2)
	D	2701-2704	1SR154-400
	D	2953,2954	MC2846-11

Mark	No.	Description	Part No.
L	3251-3254	CHIP SOLID INDUCTOR	QTL1013
L	3281	CHIP SOLID INDUCTOR	QTL1013
L	3351-3354	CHIP SOLID INDUCTOR	QTL1013
L	3381,3451	CHIP SOLID INDUCTOR	QTL1013
JA	2401	PIN JACK(3P)	AKB7205
JA	2402-2405	OPT. LINK IN	AKS7001
JA	2406,2407	OPT. LINK OUT	AKS7002
JA	2601	4P SOCKET	AKP7201
KN	2001,2201	WRAPPING TERMINAL	VNF1084
KN	2401	SCREW PLATE	VNE1948
X	2001	RESONATOR (24.000 MHz)	CSS1716
X	2201	CERAMIC RESONATOR (15.7MHz)	ASS7087
X	2601	CRYSTAL RESONATOR (45.1584 MHz)	ASS7065
X	2701	CRYSTAL OSCILLATOR (24.576 MHz)	ASS7072
X	2702	CRYSTAL OSCILLATOR (22.5792 MHz)	ASS7071
CN	2001	16P CONNECTOR	VKN1420
CN	2002	29P CONNECTOR	VKN1844
CN	2003	22P CONNECTOR	RKN1063
CN	2005,2007,2902	PLUG	CKS1764
CN	2006	7P SOCKET	XKP3074
CN	2008,2903	PLUG	CKS1761
CN	2401	PLUG(3P)	KM200NA3
CN	2402	23P SOCKET	XKP3082
CN	2403	CONNECTOR	CKS3815
CN	2901	PLUG	CKS1758
JH	2001	PCB BINDER	VEF1040

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
R	2789		RS1/16SS1000F	C	2227,2402,2404		CKSRYB104K16
R	2790		RS1/16SS1202F	C	2230,2414,2421,2425		CKSSYB104K10
R	2791		RS1/10S0R0J				
				C	2406-2413,2417,2450		CKSRYB104K16
R	2822,3455		RAB4CQ101J	C	2415,2429,2431,2433		CKSSYB471K50
R	2907,2908,2911,2912		RS1/16S682J	C	2416,2419,2422,2458		CEHAZL101M10
R	2910		RS1/16S103J	C	2418,2420,2424,2747		CCSSCH471J16
R	2913-2918,3108,3116		RS1/16S392J	C	2423		CKSRYB474K10
R	2919,2920		RS1/16S822J				
				C	2428,2430,2432,2436		CKSSYB104K10
R	2921,2922		RS1/16S911J	C	2437,2439,2447,2449		CKSSYB471K50
R	3001,3002,3009,3010		RS1/16S181J	C	2438,2440,2448,2452		CKSSYB104K10
R	3007,3008,3015,3016		RS1/16S202J	C	2451,2785		ACH7273
R	3011-3014,3103-3106		RS1/16S222J	C	2453,2456,2604,2606		CKSRYB104K16
R	3017,3018,3051,3151		RS1/16S0R0J				
				C	2455,2732,2781,2783		CEHAZL221M10
R	3021,3022,3119,3120		RS1/16S221J	C	2461,2464,2608-2610		CKSSYB104K10
R	3101,3109,3201,3202		RS1/16S681J	C	2462,2463,2615,2701		CKSSYB471K50
R	3102,3110		RS1/16S181J	C	2601		CKSRYB105K10
R	3107,3112,3114,3115		RS1/16S122J	C	2603,2605		CEAT101M10
R	3111,3113,3211-3214		RS1/16S272J				
				C	2607		CKSRYB471K50
R	3203-3206,3303-3306		RS1/16S222J	C	2611,2780,2901,2902		CKSRYB104K16
R	3207,3208,3215,3216		RS1/16S122J	C	2612		CCSSCH150J50
R	3209,3210,3301,3302		RS1/16S681J	C	2613		CCSSCH120J50
R	3218,3317,3318,3413		RS1/16S474J	C	2614,2616,2626-2629		CKSSYB104K10
R	3219,3220,3319,3320		RS1/16S221J				
				C	2702,2705,2708,2710		CKSSYB104K10
R	3251,3351,3456		RS1/16S0R0J	C	2703,2704,2706,2707		CKSSYB471K50
R	3307,3308,3315,3316		RS1/16S122J	C	2709,2711,2713		CKSSYB471K50
R	3309,3310		RS1/16S681J	C	2712,2714,2718,2720		CKSSYB104K10
R	3311-3314		RS1/16S272J	C	2715-2717,2719,2721		CKSSYB471K50
R	3401,3402		RS1/16S223J				
				C	2722,2724,2726,2727		CKSSYB471K50
R	3403,3404		RS1/16S302J	C	2723,2725,2728,2737		CKSSYB104K10
R	3405,3406,3409,3410		RS1/16S332J	C	2729,2736,2743,2745		CKSSYB471K50
R	3407,3408		RS1/16S392J	C	2730,2734		CKSQYB474K25
R	3411,3412		RS1/16S221J	C	2731		CKSQYB225K16
R	3414		RS1/16S474J				
				C	2733		ACH7203
R	3458		RS1/16S4R7J	C	2735,2779,2851,2852		CKSQYB475K10
Other Resistors			RS1/16SS###J	C	2744,2746,2756,2758		CKSSYB104K10
				C	2748,2750,2751,2753		CKSSYB105K6R3
				C	2749,2752,2754		CCSSCH102J50
				C	2755,2791,2796		CKSSYB105K6R3
				C	2757,2759,2764,2766		CCSSCH471J16
				C	2760,2761,2763,2765		CKSSYB104K10
				C	2769,2772,2801,2803		CKSSYB471K50
				C	2770,2771,2773-2776		CKSSYB104K10
				C	2777,2778,2991,2993		CKSQYB225K10
				C	2782,2956,2957,3061		ACH7211
				C	2784,3065,3165,3265		CEHAZL221M10
				C	2786-2790,2797,2798		CKSSYB104K10
				C	2792-2795		CCSSCH102J50
				C	2799		VCH1234
				C	2800,2802,2804,2806		CKSSYB104K10
				C	2805,2807,2809,2811		CKSSYB471K50
				C	2808,2810,2812,2814		CKSSYB104K10
				C	2813,2815,2818,2820		CKSSYB471K50
				C	2816,2819,2821,2823		CKSSYB104K10
				C	2822,2824,2831,2833		CKSSYB471K50
				C	2825,2829,2830,2832		CKSSYB104K10
				C	2826,3055,3063,3155		ACH7268
				C	2834,2836,2839,2840		CKSSYB104K10
				C	2835,2837,2838,2841		CKSSYB471K50
				C	2903,2904		DCH1201

CAPACITORS

C	2001,2040,3060,3068	CKSRYB105K16
C	2002,2004,2006,2011	CKSRYB104K16
C	2003,2014,2015,2039	CKSRYB471K50
C	2005,2007,2030,2032	CKSRYB102K50
C	2008,2738,2817	CKSSYB103K16
C	2009	ACH7298
C	2012	CKSRYB472K50
C	2013,2220,2221,2954	CKSRYB103K50
C	2016,2047,3001,3002	CCSRCH102J50
C	2017,2018,2020-2024	CKSRYB104K16
C	2019,2026,2211-2215	CKSSYB104K10
C	2025	CEAT331M10
C	2027,2454,2457,2762	CKSQYB225K10
C	2028	CKSRYB473K50
C	2029,2031,2038,2041	CKSRYB104K16
C	2037,2929,2952,2984	CEHAZL101M25
C	2046,2209,2210,2217	CKSRYB104K16
C	2050-2054,2056-2065	CCSSCH100D50
C	2201,2426,2827	ACH7272
C	2202,2204,2205,2208	CCSSCH471J16
C	2206,2965,3052,3071	CCSRCH471J50
C	2216	CEAT102M10
C	2222,2224-2226,2228	CKSSYB104K10

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
C	2905,2908,3109,3110		ACH7196	IC	2007,2008,2406		TC74VHCT125AFTS1
C	2911,2912,2915,2916		CFHXSQ103J16				
C	2913,2914		CCSRCH101J50	IC	2009,2010		TC74VHCT541AFTS1
C	2928,2953,2955,2958		CKSRYB104K16	△ IC	2011,2412		NJM2880U1-33
C	2959,2964,3059,3070		CKSRYB103K50	IC	2201		PEG396A
C	2960,2981,2990,2995		CEHAZL101M10	IC	2202		AYW7256
C	2961-2963,2966,2983		CKSRYB104K16	IC	2205,2211,2408,2409		TC74VHC125FTS1
C	2987		CEHAZL101M25				
C	2992,2994,3053,3056		CKSRYB104K16	IC	2206		TC74VHC32FTS1
C	2996,2997,3007,3008		CFHXSQ103J16	IC	2207,2407,2709,2805		TC74VHC08FTS1
C	3003-3006,3103,3105		CCSRCH331J50	IC	2208		TC74VHCT08AFTS1
C	3013,3014,3113,3114		CFHXSQ472J16	IC	2209		TC74VHC04FTS1
C	3051,3151,3251,3351		CEHAZL101M10	IC	2210		TC74VHC00FTS1
C	3057,3075,3101,3102		CCSRCH102J50				
C	3058,3062,3064,3066		CKSRYB104K16	IC	2213		TC7SH04FUS1
C	3067,3161,3167,3261		ACH7211	IC	2401		AK4114VQ
C	3072,3153,3156,3158		CKSRYB104K16	IC	2402-2404,2803		TC74LCX157FTS1
C	3081,3181,3281,3381		CKSSYB104K10	IC	2410,2411,2707		TC7SH08FUS1
C	3082,3182,3282,3382		CKSSYB471K50	△ IC	2413,2983		NJM2845DL1-05
C	3104,3106		CCSRCH271J50				
C	3107,3108,3207,3208		CFHXSQ103J16	IC	2414,2602,2603		TC74VHC125FTS1
C	3152,3171,3252,3271		CCSRCH471J50	IC	2601		BU9450KV
C	3157,3175,3201,3202		CCSRCH102J50	△ IC	2604		AAT4618IGV-0.5-1
C	3159,3170,3259,3270		CKSRYB103K50	IC	2701		DSPA56720AG
C	3160,3168,3260,3268		CKSRYB105K16	IC	2702		AYW7234
C	3162,3164,3166,3172		CKSRYB104K16				
C	3163,3255,3263,3355		ACH7268	IC	2703		HY57V641620FTP-6
C	3203-3206,3303-3306		CCSRCH331J50	IC	2704,2705		TC74LCX573FTS1
C	3209,3210,3309,3310		ACH7196	△ IC	2706		NJM2872BF33
C	3213,3214,3313,3314		CFHXSQ472J16	△ IC	2710		NJM2846DL3-33
C	3253,3256,3258,3262		CKSRYB104K16	△ IC	2711		PQ1LAX95MSPQ
C	3257,3275,3301,3302		CCSRCH102J50				
C	3264,3266,3272,3353		CKSRYB104K16	△ IC	2712		RP131H101D
C	3267,3361,3367		ACH7211	△ IC	2713		NJM2846DL3-25
C	3307,3308		CFHXSQ103J16	IC	2714		TC7SH32FUS1
C	3352,3371,3405,3406		CCSRCH471J50	IC	2801		DSPC56371AF180
C	3356,3358,3362,3364		CKSRYB104K16	IC	2802		PDC168A8
C	3357,3375		CCSRCH102J50				
C	3359,3370,3456,3458		CKSRYB103K50	IC	2804,2806		TC74LCX08FTS1
C	3360,3368		CKSRYB105K16	IC	2807		TC74VHC126FTS1
C	3363		ACH7268	IC	2901,2902,3401		NJM4565MD
C	3365		CEHAZL221M10	IC	2951		PCM1804DB
C	3366,3372,3452,3455		CKSRYB104K16	△ IC	2981		NJM2391DL1-33
C	3401,3402		CEAT220M50				
C	3403,3404		CCSRCH391J50	IC	3001,3101,3201,3301		RNB4580F
C	3407,3408		CKSRYB104K25	IC	3052,3152,3252,3352		WM8740SEDS
C	3409,3410		CEAT100M50	IC	3451		AK4387ET
C	3453,3454		CEAT470M16	Q	2005,2008		RT1N241M
C	3457,3460		CKSRYB104K16	Q	2006		RT3P22M
C	3459		CCSRCH471J50				
C	3461		CKSSYB104K10	Q	2007		2SA1366
				Q	2201		RT1N141M-11
				Q	2202		2SA1602A
				Q	2203		RT1P431M
				Q	2205,2207,2208		RT1P241M
				D	2001,2003,2951,2952		MC2848-11
				D	2002		RB520S-30
				△ D	2004,2005		MC2848-11
				D	2201		1SS357
				D	2601,2602		HZU5R6(B2)
				D	2701-2704		1SR154-400
				D	2953,2954		MC2846-11

B D-MOTHER ASSY (SC-05)

SEMICONDUCTORS

IC	2001	PEG489B8
IC	2002,2003,2203,2204	TC4094BFN
IC	2005	BU4842F
IC	2006	TC74LCX244FTS1

MISCELLANEOUS

L	2001	CHIP SOLID INDUCTOR	QTL1013
L	2002,2003	CHIP SOLID INDUCTOR	ATL7002
L	2404-2409	CHIP SOLID INDUCTOR	QTL1013
L	2411-2416	CHIP SOLID INDUCTOR	QTL1013
L	2601	CHIP SOLID INDUCTOR	ATL7002

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
L	2602,2603	CHIP SOLID INDUCTOR	QTL1013	R	2423		RS1/16SS1802F
L	2701	CHIP SOLID INDUCTOR	QTL1013	R	2609,2795,2796		RS1/16S101J
L	2703-2711	CHIP SOLID INDUCTOR	QTL1013	R	2629,2715,2746,2802		RAB4CQ470J
L	2713	CHIP SOLID INDUCTOR	QTL1013	R	2714,2905,2906,2909		RS1/16S103J
L	2801-2804	CHIP SOLID INDUCTOR	QTL1013	R	2722,2761,2762,2765		RAB4CQ220J
				R	2747,2803		RAB4CQ103J
L	2806-2810	CHIP SOLID INDUCTOR	QTL1013	R	2759,2760,2763,2764		RAB4CQ221J
L	2951,2952	CHIP SOLID INDUCTOR	QTL1013	R	2766		RAB4CQ220J
L	3053,3054	CHIP SOLID INDUCTOR	QTL1013	R	2789		RS1/16SS1000F
L	3153,3154	CHIP SOLID INDUCTOR	QTL1013	R	2790		RS1/16SS1202F
L	3253,3254	CHIP SOLID INDUCTOR	QTL1013	R	2791		RS1/10S0R0J
L	3353,3354	CHIP SOLID INDUCTOR	QTL1013	R	2822,3455		RAB4CQ101J
L	3451	CHIP SOLID INDUCTOR	QTL1013	R	2907,2908,2911,2912		RS1/16S682J
JA	2402-2405	OPT. LINK IN	AKS7001	R	2910		RS1/16S103J
JA	2406,2407	OPT. LINK OUT	AKS7002	R	2913-2918,3108,3116		RS1/16S392J
JA	2408	PIN JACK(2P)	AKB7173	R	2919,2920		RS1/16S822J
JA	2601	4P SOCKET	AKP7201	R	2921,2922		RS1/16S911J
KN	2001,2201	WRAPPING TERMINAL	VNF1084	R	3001,3002,3009,3010		RS1/16S181J
KN	2401	SCREW PLATE	VNE1948	R	3007,3008,3015,3016		RS1/16S202J
X	2001	RESONATOR (24.000 MHz)	CSS1716	R	3011-3014,3103-3106		RS1/16S222J
X	2201	CERAMIC RESONATOR (15.7 MHz)	ASS7087	R	3017,3018,3065,3066		RS1/16S0R0J
X	2601	CRYSTAL RESONATOR (45.1584 MHz)	ASS7065	R	3021,3022,3119,3120		RS1/16S221J
X	2701	CRYSTAL OSCILLATOR (24.576 MHz)	ASS7072	R	3080,3165,3166,3180		RS1/16S0R0J
X	2702	CRYSTAL OSCILLATOR (22.5792 MHz)	ASS7071	R	3101,3109,3201,3202		RS1/16S681J
CN	2001	16P CONNECTOR	VKN1420	R	3102,3110		RS1/16S181J
CN	2002	29P CONNECTOR	VKN1844	R	3107,3112,3114,3115		RS1/16S122J
CN	2003	22P CONNECTOR	RKN1063	R	3111,3113,3211-3214		RS1/16S272J
CN	2005,2007,2902	PLUG	CKS1764	R	3203-3206,3303-3306		RS1/16S222J
CN	2006	7P SOCKET	XKP3074	R	3207,3208,3215,3216		RS1/16S122J
CN	2008,2903	PLUG	CKS1761	R	3209,3210,3301,3302		RS1/16S681J
CN	2401	PLUG(3P)	KM200NA3	R	3218,3317,3318,3413		RS1/16S474J
CN	2402	23P SOCKET	XKP3082	R	3219,3220,3319,3320		RS1/16S221J
CN	2403	CONNECTOR	CKS3815	R	3265,3266,3280,3365		RS1/16S0R0J
CN	2901	PLUG	CKS1758	R	3307,3308,3315,3316		RS1/16S122J
JH	2001	PCB BINDER	VEF1040	R	3309,3310		RS1/16S681J
				R	3311-3314		RS1/16S272J
				R	3366,3380,3456		RS1/16S0R0J
				R	3401,3402		RS1/16S223J
				R	3403,3404		RS1/16S302J
				R	3405,3406,3409,3410		RS1/16S332J
				R	3407,3408		RS1/16S392J
				R	3411,3412		RS1/16S221J
				R	3414		RS1/16S474J
				R	3458		RS1/16S4R7J
				Other Resistors			RS1/16SS###J
RESISTORS				CAPACITORS			
R	2001-2003,2005-2007		RS1/16S104J	C	2001,2040,3060,3068		CKSRYB105K16
R	2010,2011,2035,2201		RS1/16S473J	C	2002,2004,2006,2011		CKSRYB104K16
R	2015,2027,2032,2039		RS1/16S104J	C	2003,2014,2015,2039		CKSRYB471K50
R	2018,2209		RS1/16S512J	C	2005,2007,2030,2032		CKSRYB102K50
R	2021,2026,2028,2030		RAB4CQ101J	C	2008,2738,2817		CKSSYB103K16
R	2031,3003-3006		RS1/16S222J	C	2009		ACH7298
R	2033,2034		RAB4CQ471J	C	2012,3011,3012,3111		CKSRYB472K50
R	2036,2049,2207,2214		RAB4CQ101J	C	2013,2220,2221,2954		CKSRYB103K50
R	2041,2043,2045,2046		RS1/16S104J	C	2016,2047,3001,3002		CCSRCH102J50
R	2047,3117,3118,3217		RS1/16S474J	C	2017,2018,2020-2024		CKSRYB104K16
R	2048,2050,2066,2067		RS1/16S104J	C	2019,2026,2211-2215		CKSSYB104K10
R	2069,2255,2610,2615		RS1/16S104J	C	2025		CEAT331M10
R	2072,2103,2105,2107		RAB4CQ473J	C	2027,2454,2457,2762		CKSQYB225K10
R	2073		RS1/16S472J				
R	2114,2118,2241		RAB4CQ473J				
R	2140,2141,2270,2271		RS1/16S0R0J				
R	2203,2717-2719,2721		RAB4CQ220J				
R	2210,2237,2466,2467		RS1/16S101J				
R	2211,2217,2229,2230		RS1/16S473J				
R	2216,2218,2223,2226		RAB4CQ101J				
R	2233,2235		RS1/16S473J				
R	2234,2425,2730,2812		RAB4CQ101J				
R	2401,2402		RS1/16S750J				
R	2404,2405,2901-2904		RS1/16S220J				

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
C	2028		CKSRYPB473K50	C	2804,2806,2808,2810		CKSSYPB104K10
C	2029,2031,2038,2041		CKSRYPB104K16	C	2805,2807,2809,2811		CKSSYPB471K50
				C	2812,2814,2816,2819		CKSSYPB104K10
C	2037,2929,2952,2984		CEHAZL101M25	C	2813,2815,2818,2820		CKSSYPB471K50
C	2046,2209,2210,2217		CKSRYPB104K16	C	2821,2823,2825,2829		CKSSYPB104K10
C	2050-2054,2056-2065		CCSSCH100D50	C	2822,2824,2831,2833		CKSSYPB471K50
C	2201,2426,2827		ACH7272	C	2826,3063,3163,3263		ACH7268
C	2202,2204,2205,2208		CCSSCH471J16	C	2830,2832,2834,2836		CKSSYPB104K10
C	2206,2965,3071,3171		CCSRCH471J50	C	2835,2837,2838		CKSSYPB471K50
C	2216		CEAT102M10	C	2839,3461		CKSSYPB104K10
C	2222,2224-2226,2228		CKSSYPB104K10	C	2903,2904		DCH1201
C	2227,2402,2404		CKSRYPB104K16	C	2905-2908,3109,3110		ACH7196
C	2230,2414,2421,2425		CKSSYPB104K10	C	2911,2912,2915,2916		CKSQYB103K50
C	2407-2413,2417,2450		CKSRYPB104K16	C	2913,2914		CCSRCH101J50
C	2415,2429,2431,2433		CKSSYPB471K50	C	2928,2953,2955,2958		CKSRYPB104K16
C	2416,2419,2422,2458		CEHAZL101M10	C	2959,2964,3059,3070		CKSRYPB103K50
C	2418,2420,2424,2747		CCSSCH471J16	C	2960,2981,2995		CEHAZL101M10
C	2423		CKSRYPB474K10	C	2961-2963,2966,2983		CKSRYPB104K16
C	2428,2430,2432,2434		CKSSYPB104K10	C	2985,2986,3407,3408		CKSRYPB104K25
C	2436,2438,2440,2448		CKSSYPB104K10	C	2987		CEHAZL101M25
C	2437,2439,2447,2449		CKSSYPB471K50	C	2994,3058,3062,3064		CKSRYPB104K16
C	2451,2785		ACH7273	C	3003-3006,3103,3105		CCSRCH331J50
C	2452,2461,2464		CKSSYPB104K10	C	3007,3008,3107,3108		CKSQYB103K50
C	2453,2456,2604,2606		CKSRYPB104K16	C	3066,3072,3158,3162		CKSRYPB104K16
C	2455,2732,2781,2783		CEHAZL221M10	C	3067,3161,3167,3261		ACH7211
C	2462,2463,2615,2701		CKSSYPB471K50	C	3101,3102,3201,3202		CCSRCH102J50
C	2601		CKSRYPB105K10	C	3104,3106		CCSRCH271J50
C	2603,2605		CEAT101M10	C	3112,3211,3212,3311		CKSRYPB472K50
C	2607		CKSRYPB471K50	C	3159,3170,3259,3270		CKSRYPB103K50
C	2608-2610,2614,2616		CKSSYPB104K10	C	3160,3168,3260,3268		CKSRYPB105K16
C	2611,2780,2901,2902		CKSRYPB104K16	C	3164,3166,3172,3258		CKSRYPB104K16
C	2612		CCSSCH150J50	C	3203-3206,3303-3306		CCSRCH331J50
C	2613		CCSSCH120J50	C	3207,3208,3307,3308		CKSQYB103K50
C	2626-2629,2702,2705		CKSSYPB104K10	C	3209,3210,3309,3310		ACH7196
C	2703,2704,2706,2707		CKSSYPB471K50	C	3262,3264,3266,3272		CKSRYPB104K16
C	2708,2710,2712,2714		CKSSYPB104K10	C	3267,3361,3367		ACH7211
C	2709,2711,2713		CKSSYPB471K50	C	3271,3371,3405,3406		CCSRCH471J50
C	2715-2717,2719,2721		CKSSYPB471K50	C	3301,3302		CCSRCH102J50
C	2718,2720,2723,2725		CKSSYPB104K10	C	3312		CKSRYPB472K50
C	2722,2724,2726,2727		CKSSYPB471K50	C	3358,3362,3364,3366		CKSRYPB104K16
C	2728,2737,2744,2746		CKSSYPB104K10	C	3359,3370,3456,3458		CKSRYPB103K50
C	2729,2736,2743,2745		CKSSYPB471K50	C	3360,3368		CKSRYPB105K16
C	2730,2734		CKSQYB474K25	C	3363		ACH7268
C	2731		CKSQYB225K16	C	3365		CEHAZL221M10
C	2733		ACH7203	C	3372,3452,3455,3457		CKSRYPB104K16
C	2735,2779,2851,2852		CKSQYB475K10	C	3401,3402		CEAT220M50
C	2748,2750,2751,2753		CKSSYPB105K6R3	C	3403,3404		CCSRCH391J50
C	2749,2752,2754		CCSSCH102J50	C	3409,3410		CEAT100M50
C	2755,2791,2796		CKSSYPB105K6R3	C	3453,3454		CEAT470M16
C	2756,2758,2760,2761		CKSSYPB104K10	C	3459		CCSRCH471J50
C	2757,2759,2764,2766		CCSSCH471J16	C	3460		CKSRYPB104K16
C	2763,2765,2770,2771		CKSSYPB104K10				
C	2769,2772,2801,2803		CKSSYPB471K50				
C	2773-2776,2786-2790		CKSSYPB104K10				
C	2777,2778,2993		CKSQYB225K10				
C	2782,2956,2957,3061		ACH7211				
C	2784,3065,3165,3265		CEHAZL221M10				
C	2792-2795		CCSSCH102J50				
C	2797,2798,2800,2802		CKSSYPB104K10				
C	2799		VCH1234				

C FRONT IN ASSY **SEMICONDUCTORS**

IC	6201	NJM4565MD
Q	6201	HN1C01FU
D	6201,6202,6204,6351	1SS302
D	6203,6205,6206	UDZS5R1(B)
D	6303,6304	UMZU6.2N

Mark No.	Description	Part No.
MISCELLANEOUS		
L 6201	CHIP SOLID INDUCTOR	QTL1013
JA 6201	JACK	RKN1004
JA 6202	FRONT AV INPUT	AKX7019
JA 6301	USB CONNECTOR	XKP3086
JA 6351	PHONE JACK	AKN7029
KN 6201,6202	WRAPPING TERMINAL	VNF1084
KN 6351	WRAPPING TERMINAL	VNF1084
CN 6201	PLUG(3P)	KM200NA3
CN 6202	CONNECTOR	CKS3380
CN 6301	PLUG(5P)	KM200NA5
CN 6351	4P JUMPER CONNECTOR	52147-0410
RESISTORS		
All Resistors		RS1/16S###J
MISCELLANEOUS		
JH 6302	PCB BINDER	VEF1040
CAPACITORS		
C 6202,6208,6218,6224		CKSRYB104K16
C 6204,6220,6226,6228		CKSRYB103K50
C 6205,6206		CKSRYB221K50
C 6209		CKSRYB105K6R3
C 6210,6211,6234,6235		CEAT100M50
C 6212,6351		CKSRYB471K50
C 6213		CKSQYB106K6R3
C 6214-6216,6249-6251		CCSRCH101J50
C 6219		CEJQ100M16
C 6222,6227		CCSRCH220J50
C 6223,6225		CEAT330M25
C 6229		CKSRYB102K50
C 6230-6232,6239,6246		CKSRYB103K50
C 6233		CKSRYB472K50
C 6236,6245,6247		CKSRYB104K16
C 6237		CEAT100M50
C 6240-6242,6356		CCSRCH102J50
C 6243,6244		CEAL220M16
C 6248,6352		CKSRYB103K50
C 6303		CKSRYB104K25
C 6353,6354		CKSRYB822K50

D

232C & CONTROL ASSY

SEMICONDUCTORS

IC 5801	HIN202EIBNZ
Q 5801	2SC4154
Q 5802	DTA114TUA
Q 5806	2SA1366
Q 5807	RT1N241M
D 5804,5805	1SS352
D 5806,5807	1SS357
D 5809,5810	SIM-20STS1
D 5813,5814	MC2848-11
D 5815,5816	HZU5R1(B2)
D 5858	1SS302
MISCELLANEOUS	
L 5803-5807	CHIP SOLID INDUCTOR
L 5809-5811	CHIP SOLID INDUCTOR
JA 5801	9P D-SUB SOCKET
QTL1013	
QTL1013	
AKP1213	

Mark No.	Description	Part No.
JA 5802,5804-5806	JACK	VKB1243
JA 5803	MINI JACK(4P) /W SW	XKN3015
JA 5807	SOCKET	BKP1127
KN 5801	SCREW PLATE	VNE1948
CN 5801	23P SOCKET	XKP3082
RESISTORS		
All Resistors		RS1/16S###J
MISCELLANEOUS		
U 5801	REMOTE RECEIVER UNIT	GP1UE284QKC1
CAPACITORS		
C 5802,5811,5828,5852		CKSRYB103K50
C 5803		CCSRCH331J50
C 5804,5805		CKSRYB102K50
C 5807-5810		CKSRYB104K16
C 5812,5829		CEAT101M16
C 5830,5831		CKSRYB471K50
C 5832-5834		CCSRCH100D50
C 5857,5858		CEAT220M50

E

HDMI NETWORK ASSY (SC-07)

SEMICONDUCTORS

△ IC 11	NJM2846DL3-33
△ IC 21	NJM2846DL3-18
△ IC 31	NJM2886DL3-33
IC 101	SII9135CTU
IC 201	TC74VHC541FTS1
IC 202	ICS571MLF
IC 203	TC7WH74FU
IC 204,205,208	TC7WH157FU
IC 251	TC74VHC157FTS1
IC 252	TC7SH08FUS1
IC 301,351	SII9134CTU
△ IC 302,352	NJM2872BF05
IC 401	ADV7800BSTZ-80
IC 402	TC7WHU04FU
IC 501	PEG118A
IC 502	AYW7254
IC 504	BU4094BCFV
IC 505,911,1871	TC74VHC08FTS1
IC 601	ADV7172KSTZ
NSP IC 701	DM850E
NSP IC 791	341S2154
IC 801	AAT4618IGV-0.5-1
IC 861	RTL8201CP-LF
IC 881	AYW7255
IC 891	HY57V281620FTP-6
IC 921,1861	TC74VHCT08AFTS1
△ IC 1001	TPS54350PWP
△ IC 1021	LTC3850EGN
△ IC 1051	LT3505EMS8E
△ IC 1071	NJM2885DL1-05
IC 1081	TC7WH125FU
IC 1082	TC7WT125FU
IC 1151	SII9185ACTU
IC 1204	S-24CS02AFT
IC 1208	TC7MB3257FK
IC 1301	FLI2310-LF-CF

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	IC	1351	M12L64322A-6TG		L	1401-1404 CHIP SOLID INDUCTOR	QTL1013
	IC	1381,1383,1384,1402	TC74LCX541FTS1		L	1701-1706,1902 FERRITE CORE	VTF1091
	IC	1382,1401,1403	TC7SZ125FU		L	1821,1831 INDUCTOR	ATL7015
	IC	1404	TC74LCX541FTS1		L	1861,1871 CHIP SOLID INDUCTOR	QTL1013
	IC	1701	UPD61111GM-100UEVA		L	1951 FERRITE CORE	VTF1091
△	IC	1702	NJM2885DL1-15		JA	301,351 HDMI CONNECTOR	AKP7225
	IC	1703	KA5SDKAS01TSN		JA	701 RJ45 CONNECTOR TRNS	VKN2078
	IC	1901	K4H561638H-UCB3		JA	1101-1104 HDMI CONNECTOR	AKP7225
△	IC	1902	S-1132B25-U5		X	101 CRYSTAL RESONATOR (28.322 MHz)	ASS7085
	IC	1903	NJM12904V		X	401 CRYSTAL RESONATOR (28.63636 MHz)	ASS7069
	IC	1951	AYW7232		X	501 CERAMIC RESONATOR (15.7 MHz)	XSS3004
	Q	201	RT1P241M		X	701 CRYSTAL RESONATOR (24.576 MHz)	XSS3003
	Q	301,351,1104,1203	DTC114YUA		X	702 CRYSTAL RESONATOR (25.0 MHz)	ASS7084
	Q	302,352	UMB1N		X	791 CRYSTAL OSCILLATOR (32.768 kHz)	ASS1172
	Q	631,641,651,661	2SA1602A		X	1301 CRYSTAL RESONATOR (13.5 MHz)	ASS7070
	Q	671,681,1801,1811	2SA1602A		X	1701 CRYSTAL RESONATOR (27.0000 MHz)	BSS1123
△	Q	1001	RTQ045N03		CN	201 23P SOCKET	XKP3083
△	Q	1021,1022	SP8K1		CN	502 13P SOCKET	XKP3077
	Q	1204	DTC114YUA		CN	601 CONNECTOR	CKS4898
	Q	1281	HN1K02FU		CN	801 CONNECTOR	AKM1276
	Q	1821,1831	2SA1602A		CN	902 5P CONNECTOR	VKN1374
	D	301,351	UDZS5R1(B)		CN	1001 CONNECTOR	CKS3815
	D	551,1701	RB501V-40		CN	1002 15P SOCKET	XKP3078
△	D	1001	RLZ6.8B		CN	1003 CONNECTOR	CKS1755
	D	1021,1022,1052	RB160VA-40		CN	1701 22P CONNECTOR	VKN1426
△	D	1023,1024	RLZ5.6B		CN	1702 CONNECTOR	VKN2040
	D	1051	RB160M-30		JH	1 PCB BINDER	VEF1040
	D	1101-1104	DAN202U				
	D	1861	1SS352				
MISCELLANEOUS				RESISTORS			
	L	101-104,301-305 CHIP BEADS	ATL7010		R	101,103-105,108	RAB4CQ100J
	L	105,106 CHIP SOLID INDUCTOR	QTL1013		R	115,204	RAB4CQ680J
	L	201 INDUCTOR	CTF1379		R	119,320,322-330	RAB4CQ473J
	L	202-204 CHIP SOLID INDUCTOR	QTL1013		R	130-132,134-136	RAB4CQ100J
	L	207,208 CHIP SOLID INDUCTOR	QTL1013		R	141-144	ACN1275
	L	251,252 CHIP SOLID INDUCTOR	QTL1013		R	305,355,609,612	RS1/16SS6800F
	L	306-309,356-359 COIL	ATH7022		R	428,429,789	RAB4CQ330J
	L	351-355,401,402 CHIP BEADS	ATL7010		R	432,433,1385-1388	RAB4CQ470J
	L	403,405 CHIP SOLID INDUCTOR	QTL1013		R	434,437,442,443	RAB4CQ473J
	L	404,406,1001,1021 CHIP BEADS	ATL7010		R	446,447,450,708	RAB4CQ473J
	L	501,601 CHIP SOLID INDUCTOR	ATL7002		R	464,465,467,468	RAB4CQ472J
	L	602 CHIP SOLID INDUCTOR	ATL7002		R	480-483,741,761	RAB4CQ220J
	L	631,641,651,661 INDUCTOR	ATL7015		R	596	RAB4CQ101J
	L	671,681,1801,1811 INDUCTOR	ATL7015		R	610,611	RS1/16SS5601F
	L	701,702,805,861 INDUCTOR	CTF1357		R	633,643,653,663	RS1/16SS2200F
	L	704-707 CHIP FERRITE BEADS	ATF1211		R	634,644,654,664	RS1/16SS4700F
	L	801 CHIP FERRITE BEADS	VTL1169		R	673,683,1702	RS1/16SS2200F
	L	802 COIL	VTH1043		R	674,684	RS1/16SS4700F
	L	862,871,881,891 INDUCTOR	CTF1357		R	723	RS1/16S5101F
	L	863,864 COIL	VTH1056		R	724	RS1/16S3900F
	L	911,936 INDUCTOR	CTF1357		R	746,747,749	RAB4CQ100J
	L	1002 POWER INDUCTOR	ATH7059		R	769,771,1322-1324	RAB4CQ220J
	L	1022 INDUCTOR	CTH1261		R	806,977,1031	RS1/16S0R0J
	L	1023 INDUCTOR	ATH7060		R	824	RS1/16SS1003F
	L	1051,1151-1153 CHIP BEADS	ATL7010		R	851-854,1906,1907	RAB4CQ330J
	L	1052 INDUCTOR	ATH7061		R	867	RS1/16S2001F
	L	1097-1099 INDUCTOR	CTF1386		R	868-871	RS1/16S49R9F
	L	1301-1305 CHIP SOLID INDUCTOR	ATL7002		R	919	RS1/10S102J
	L	1351,1901 CHIP SOLID INDUCTOR	ATL7002		R	1009,1056	RS1/16SS1002F
	L	1381-1384 CHIP SOLID INDUCTOR	QTL1013		R	1011	RS1/16SS2001F

C 359,362,366,367

CKSSYB104K10

C 1008
C 1009,1052,1151,1156
C 1023,1027
C 1024,1026
C 1025,1028

CKSQYB105K16
BCG1059
CCG1233
CKSQYB475K10
CCSRCH101J50

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
C	1032		CKSRYP105K10				
C	1035,1040		CKSRYP223K16	IC	502		AYW7254
C	1036		CKSRYP222K50	IC	504		BU4094BCFV
C	1037		CCSRCH470J50	IC	505,911,1871		TC74VHC08FTS1
C	1038		CCSRCH121J50	IC	601		ADV7172KSTZ
				NSP IC	701		DM850E
C	1042,1053		CKSRYP104K25				
C	1051		CKSQYB105K25	NSP IC	791		341S2154
C	1054		CCSSCH220J50	IC	801		AAT4618IGV-0.5-1
C	1056		CCSRCH151J50	IC	861		RTL8201CP-LF
C	1057,1071,1099,1701		CKSRYP104K16	IC	881		AYW7255
				IC	891		HY57V281620FTP-6
C	1101-1104,1352,1363		VCG1063				
C	1152-1155,1158-1165		CKSSYP104K10	IC	921,1861		TC74VHCT08AFTS1
C	1167,1207,1208,1306		CKSSYP104K10	△ IC	1001		TPS54350PWP
C	1168-1175,1323,1333		CKSSYP471K50	△ IC	1021		LTC3850EGN
C	1308-1312,1319-1322		CKSSYP104K10	△ IC	1051		LT3505EMS8E
				△ IC	1071		NJM2885DL1-05
C	1314-1318,1353-1362		CKSSYP105K6R3				
C	1324-1332,1335-1338		CKSSYP104K10	IC	1081		TC7WH125FU
C	1334,1343-1350		CKSSYP471K50	IC	1082		TC7WT125FU
C	1340		CCSSCH120J50	IC	1151		SII9185ACTU
C	1341,1381-1384		CKSSYP104K10	IC	1204		S-24CS02AFT
				IC	1208		TC7MB3257FK
C	1342,1708		CEVW101M16				
C	1351		ACH7174	IC	1301		FLI2310-LF-CF
C	1364-1368,1385-1388		CKSSYP471K50	IC	1351		M12L64322A-6TG
C	1369		CKSRYP103K25	IC	1381,1383,1384,1402		TC74LCX541FTS1
C	1399		VCG1063	IC	1382,1401,1403		TC7SZ125FU
				IC	1404		TC74LCX541FTS1
C	1401-1404,1711-1717		CKSSYP104K10				
C	1405-1408,1748-1754		CKSSYP471K50	IC	1701		UPD61111GM-100UEVA
C	1706,1709,1904,1905		DGH1201	△ IC	1702		NJM2885DL1-15
C	1710		CKSRYP104K16	IC	1703		KA5SDKAS01TSN
C	1719-1721,1723-1727		CKSSYP104K10	IC	1901		K4H561638H-UCB3
				△ IC	1902		S-1132B25-U5
C	1729-1736,1738,1739		CKSSYP104K10				
C	1740,1741		CCSSCK1R0C50	IC	1903		NJM12904V
C	1742		CKSSYP102K50	IC	1951		AYW7232
C	1743,1745,1746,1801		CKSSYP104K10	Q	201		RT1P241M
C	1747,1907-1915		CKSSYP105K6R3	Q	351,1104,1203,1204		DTC114YUA
				Q	352		UMB1N
C	1802,1803,1812,1813		CCSSCH470J50				
C	1811,1821,1831,1861		CKSSYP104K10	Q	631,641,651,661		2SA1602A
C	1822,1823,1832,1833		CCSSCH470J50	Q	671,681,1821		2SA1602A
C	1871,1916,1951		CKSSYP104K10	△ Q	1001		RTQ045N03
C	1901-1903		CKSQYB225K10	△ Q	1021,1022		SP8K1
				Q	1281		HN1K02FU
C	1917-1922		CKSSYP471K50				
				D	351		UDZS5R1(B)
				D	551,1701		RB501V-40
				△ D	1001		RLZ6.8B
				D	1021,1022,1052		RB160VA-40
				△ D	1023,1024		RLZ5.6B
				D	1051		RB160M-30
				D	1101-1104		DAN202U
				D	1861		1SS352

E HDMI NETWORK ASSY (SC-05)

SEMICONDUCTORS

△ IC	11	NJM2846DL3-33
△ IC	21	NJM2846DL3-18
△ IC	31	NJM2886DL3-33
IC	101	SII9135CTU
IC	201	TC74VHC541FTS1
IC	202	ICS571MLF
IC	203	TC7WH74FU
IC	204,205,208	TC7WH157FU
IC	251	TC74VHC157FTS1
IC	252	TC7SH08FUS1
IC	351	SII9134CTU
△ IC	352	NJM2872BF05
IC	401	ADV7800BSTZ-80
IC	402	TC7WHU04FU
IC	501	PEG118A

MISCELLANEOUS

L	101-104,351-355 CHIP BEADS	ATL7010
L	105,106 CHIP SOLID INDUCTOR	QTL1013
L	201 INDUCTOR	CTF1379
L	202-204 CHIP SOLID INDUCTOR	QTL1013
L	207,208 CHIP SOLID INDUCTOR	QTL1013
L	251,252 CHIP SOLID INDUCTOR	QTL1013
L	356-359 COIL	ATH7022
L	401,402,404,406 CHIP BEADS	ATL7010
L	403,405 CHIP SOLID INDUCTOR	QTL1013
L	501,601 CHIP SOLID INDUCTOR	ATL7002

Mark	No.	Description	Part No.
L	602	CHIP SOLID INDUCTOR	ATL7002
L	631,641,651,661	INDUCTOR	ATL7015
L	671,681,1821	INDUCTOR	ATL7015
L	701,702,805,861	INDUCTOR	CTF1357
L	704-707	CHIP FERRITE BEADS	ATF1211
L	801	CHIP FERRITE BEADS	VTL1169
L	802	COIL	VTH1043
L	862,871,881,891	INDUCTOR	CTF1357
L	863,864	COIL	VTH1056
L	911,936	INDUCTOR	CTF1357
L	1001,1021,1051	CHIP BEADS	ATL7010
L	1002	POWER INDUCTOR	ATH7059
L	1022	INDUCTOR	CTH1261
L	1023	INDUCTOR	ATH7060
L	1052	INDUCTOR	ATH7061
L	1097-1099	INDUCTOR	CTF1386
L	1151-1153	CHIP BEADS	ATL7010
L	1301-1305	CHIP SOLID INDUCTOR	ATL7002
L	1351,1901	CHIP SOLID INDUCTOR	ATL7002
L	1381-1384	CHIP SOLID INDUCTOR	QTL1013
L	1401-1404	CHIP SOLID INDUCTOR	QTL1013
L	1701-1706,1902	FERRITE CORE	VTF1091
L	1861,1871	CHIP SOLID INDUCTOR	QTL1013
L	1951	FERRITE CORE	VTF1091
JA	351,1101-1104	HDMI CONNECTOR	AKP7225
JA	701	RJ45 CONNECTOR TRNS	VKN2078
X	101	CRYSTAL RESONATOR (28.322 MHz)	ASS7085
X	401	CRYSTAL RESONATOR (28.63636 MHz)	ASS7069
X	501	CERAMIC RESONATOR (15.7 MHz)	XSS3004
X	701	CRYSTAL RESONATOR (24.576 MHz)	XSS3003
X	702	CRYSTAL RESONATOR (25.0 MHz)	ASS7084
X	791	CRYSTAL OSCILLATOR (32.768 kHz)	ASS1172
X	1301	CRYSTAL RESONATOR (13.5 MHz)	ASS7070
X	1701	CRYSTAL RESONATOR (27.0000 MHz)	BSS1123
CN	201	23P SOCKET	XKP3083
CN	502	13P SOCKET	XKP3077
CN	601	CONNECTOR	CKS4898
CN	801	CONNECTOR	AKM1276
CN	902	5P CONNECTOR	VKN1374
CN	1001	CONNECTOR	CKS3815
CN	1002	15P SOCKET	XKP3078
CN	1003	CONNECTOR	CKS1755
CN	1701	22P CONNECTOR	VKN1426
CN	1702	CONNECTOR	VKN2040
JH	1	PCB BINDER	VEF1040

RESISTORS

R	101,103-105,108	RAB4CQ100J
R	115,204	RAB4CQ680J
R	119,320,322-330	RAB4CQ473J
R	130-132,134-136	RAB4CQ100J
R	141-144	ACN1275
R	355,609,612	RS1/16SS6800F
R	428,429,789	RAB4CQ330J
R	432,433,1385-1388	RAB4CQ470J
R	434,437,442,443	RAB4CQ473J
R	446,447,450,708	RAB4CQ473J
R	464,465,467,468	RAB4CQ472J
R	480-483,741,761	RAB4CQ220J

R	596	RAB4CQ101J
R	610,611	RS1/16SS5601F
R	633,643,653,663	RS1/16SS2200F
R	634,644,654,664	RS1/16SS4700F
R	673,683,1702	RS1/16SS2200F
R	674,684	RS1/16SS4700F
R	723	RS1/16S5101F
R	724	RS1/16S3900F
R	746,747,749	RAB4CQ100J
R	769,771,1322-1324	RAB4CQ220J
R	806,977,1031	RS1/16S0R0J
R	824	RS1/16SS1003F
R	851-854,1906,1907	RAB4CQ330J
R	867	RS1/16S2001F
R	868-871	RS1/16S49R9F
R	919	RS1/10S102J
R	1009,1056	RS1/16SS1002F
R	1011	RS1/16SS2001F
R	1016,1029,1030,1057	RS1/10S0R0J
R	1021,1022,1025,1026	ACN7160
R	1023	RS1/16SS4702F
R	1024,1027	RS1/16SS1502F
R	1028	RS1/16SS1202F
R	1055	RS1/16SS6802F
R	1071-1074,1905	RS1/16S0R0J
R	1158,1159	RS1/16SS1501F
R	1314-1317,1352	RAB4CQ100J
R	1327,1354-1361,1717	RAB4CQ220J
R	1389,1729,1730,1740	RAB4CQ560J
R	1403,1404,1409,1410	RAB4CQ0R0J
R	1405,1406,1411,1412	RAB4CQ470J
R	1701,1901,1902	RS1/10S0R0J
R	1703	RS1/16SS1500F
R	1706,1707	RS1/16SS9100F
R	1718	RAB4CQ220J
R	1726	RAB4CQ0R0J
R	1741,1743,1748,1754	RAB4CQ560J
R	1755	RAB4CQ560J
R	1792-1794	RAB4CQ473J
R	1822,1823	RS1/16SS8200F
R	1824	RS1/16SS3900F
R	1903,1904	RS1/16SS1001F
R	1914,1915	RAB4CQ330J
Other Resistors		RS1/16SS###J

CAPACITORS

C	11,31,372,801	CKSRYB104K16
C	12,32,1072	CKSQYB225K10
C	21,106-108,110	CKSSYB104K10
C	22,1702	CKSQYB475K6R3
C	23,1703,1705,1906	CEVW221M4
C	33	CEVW101M6R3
C	101,102,351,352	DCH1165
C	103,104,353-355	CKSQYB106K6R3
C	105,113,121,122	CKSSYB105K6R3
C	109,111,131,203	CKSSYB103K16
C	114-120,123-126	CKSSYB104K10
C	127,463,740,1339	CCSSCH120J50
C	128,462,741	CCSSCH100D50
C	129,130,133,356	CKSSYB105K6R3

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
C	132,134-139,201		CKSSYB104K10	C	1001		CKSQYB104K25
C	140-153,155,156		CKSSYB471K50	C	1002		CEVW101M25
C	202		CEVW4R7M35	C	1003,1004,1021,1022		CCG1195
C	204,360,412,414		CKSSYB103K16	C	1005,1011		CKSRYPB682K25
C	206-208,211,251		CKSSYB104K10	C	1006,1039		CCSRCH681J50
C	210,383-386		CKSSYB471K50	C	1007,1029-1031,1041		CKSRYPB104K25
C	216-218,252,421		CKSSYB102K50	C	1008		CKSQYB105K16
C	219,220,369		VCG1063	C	1009,1052,1151,1156		BCG1059
C	253,357,359,362		CKSSYB104K10	C	1023,1027		CCG1233
C	358,361,363-365		CKSSYB105K6R3	C	1024,1026		CKSQYB475K10
C	366,367,374,403		CKSSYB104K10	C	1025,1028		CCSRCH101J50
C	368,404,433,505		CKSSYB105K6R3	C	1035,1040		CKSRYPB223K16
C	370,371,1032		CKSRYPB105K10	C	1036		CKSRYPB222K50
C	375-382		VCG1066	C	1037		CCSRCH470J50
C	401,402,419,434		CEVW101M16	C	1038		CCSRCH121J50
C	405-411,418,420		CKSSYB104K10	C	1042,1053		CKSRYPB104K25
C	413		CKSSYB823K10	C	1051		CKSQYB105K25
C	415		CKSRYPB824K10	C	1054		CCSSCH220J50
C	416		CKSSYB393K10	C	1056		CCSRCH151J50
C	417,430,432,1157		CKSQYB106K6R3	C	1071,1099,1701,1710		CKSRYPB104K16
C	422-429,431,437		CKSSYB104K10	C	1082,1152-1155		CKSSYB104K10
C	435,436,501,613		CKSSYB103K16	C	1101-1104,1352,1363		VCG1063
C	438,441-443		CKSSYB104K10	C	1158-1165,1167,1207		CKSSYB104K10
C	439,440,1303,1704		DCH1201	C	1166,1313		CKSSYB103K16
C	445-449,461,502		CKSSYB104K10	C	1208,1306,1308-1312		CKSSYB104K10
C	481-485,619-622		CKSSYB471K50	C	1319-1322,1324-1332		CKSSYB104K10
C	503,601,611,802		CEVW101M16	C	1323,1333,1334		CKSSYB471K50
C	504,506,511,551		CKSSYB104K10	C	1335-1338,1341		CKSSYB104K10
C	512,735,1033,1034		CKSSYB102K50	C	1340		CCSSCH120J50
C	552,602-609,612		CKSSYB104K10	C	1342,1708		CEVW101M16
C	610,791,1314-1318		CKSSYB105K6R3	C	1343-1350,1364-1368		CKSSYB471K50
C	614,615,617,631		CKSSYB104K10	C	1351		ACH7174
C	632,642,652,662		CCSSCH101J50	C	1353-1362,1747		CKSSYB105K6R3
C	633,643,653,663		CCSSCH560J50	C	1369		CKSRYPB103K25
C	641,651,661,671		CKSSYB104K10	C	1381-1384,1401-1404		CKSSYB104K10
C	672,682,951		CCSSCH101J50	C	1385-1388,1405-1408		CKSSYB471K50
C	673,683		CCSSCH560J50	C	1399		VCG1063
C	681,701,702		CKSSYB104K10	C	1706,1709,1904,1905		DCH1201
C	704-709,711-717		CKSSYB104K10	C	1711-1717,1719-1721		CKSSYB104K10
C	710,742,743		CEVW100M16	C	1723-1727,1729-1736		CKSSYB104K10
C	718,721,744-750		CKSSYB471K50	C	1738,1739,1743,1745		CKSSYB104K10
C	719,722,724-734		CKSSYB104K10	C	1740,1741		CCSSCK1R0C50
C	720,867,870,883		CEVW220M16	C	1742		CKSSYB102K50
C	723,936		CEVW470M6R3	C	1746,1821,1861,1871		CKSSYB104K10
C	736-739,861-865		CKSSYB104K10	C	1748-1754,1917-1922		CKSSYB471K50
C	792,860,866,869		CKSSYB471K50	C	1822,1823		CCSSCH470J50
C	803-805,1014,1057		CKSRYPB104K16	C	1901-1903		CKSQYB225K10
C	807,1301,1302,1305		CEVW101M16	C	1907-1915		CKSSYB105K6R3
C	868,871,872,874		CKSSYB104K10	C	1916,1951		CKSSYB104K10
C	873		CEVW330M16				
C	875,1015,1046,1047		CCSRCH102J50				
C	881,895,897-899		CKSSYB471K50				
C	882,891-894,900		CKSSYB104K10				
C	911,922,950,1081		CKSSYB104K10				
C	912,921,1168-1175		CKSSYB471K50				
C	934,935,937,938		CKSSYB103K16				
C	939		CCSSCH180J50				
C	940		CCSSCH150J50				
C	946		CSZS330M6R3				

F INTERFACE ASSY **SEMICONDUCTORS**

△ D 7101

D3SBA20(B)

MISCELLANEOUS

H 7101,7102 FUSE CLIP
J 7061 JUMPER WIRE
KN 7001-7006 WRAPPING TERMINAL
CN 7001 7P PLUG

AKR7001
D20PDY0415E
VNF1084
XKP3063

Mark No.	Description	Part No.
CN 7002,7005,7006	CONNECTOR	CKS1730
CN 7003,7004	CONNECTOR	CKS1727
CN 7007	PLUG	CKS1724
CN 7008,7014,7021	23P PLUG	XKP3071
CN 7009,7013	CONNECTOR	CKS3813
CN 7011	15P PLUG	XKP3067
CN 7012	CONNECTOR	CKS1721
CN 7031	27P CONNECTOR	VKN1258
CN 7032,7042	CONNECTOR	CKS3384
CN 7041	CONNECTOR	CKS3386
CN 7051	CONNECTOR	CKS3382
CN 7062	CONNECTOR	CKS3380
CN 7101	2P TOP POST	B2B-EH

RESISTORS

All Resistors	RS1/16S###J
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MISCELLANEOUS

JH 7002-7005	PCB BINDER	VEF1040
JH 7061	4P CABLE HOLDER	51048-0400
JP 7071	4P HOUSING ASSY	ADX7676
JP 7102	HOUSING ASSY	ADX7635
JP 7103	HOUSING ASSY	ADX7634
JP 7104	HOUSING ASSY	ADX7636

CAPACITORS

C 7101	CFTLA394J50
C 7102,7105-7109	CCSRCH102J50
C 7104	CEAT682M25

G COMPONENT ASSY

SEMICONDUCTORS

IC 6001-6004	TC74LVX4052FT
IC 6005	TC74LVX4053FT
IC 6006	LA7213
IC 6007,6008	NJM2581M
IC 6009,6012	TC4094BFN
IC 6010,6013-6015	TC74VHCT08AFTS1
Q 6001-6007,6017,6018	2SA1602A
Q 6008,6019,6021	RT1N241M
△ Q 6015	2SC4154
△ Q 6016	2SA1602A
Q 6020	2SA1602A
D 6001	1SS352
D 6002,6003	RR264M-400
D 6010	UDZS5R1(B)

MISCELLANEOUS

L 6001	CHIP SOLID INDUCTOR	ATL7002
JA 6001	PIN JACK(3P)	AKB7203
JA 6002,6003	PIN JACK(6P)	AKB7204
JA 6004	JACK	AKN-209
KN 6001	SCREW PLATE	VNE1948
CN 6002	PLUG	CKS3545
CN 6004	13P PLUG	XKP3066
CN 6006	16P CONNECTOR	VKN1420
CN 6007	5P HOUSING ASSY	ADX7654
CN 6008	5P HOUSING ASSY	ADX7674
CN 6009	30P SOCKET	XKP3092

RESISTORS

Mark No.	Description	Part No.
R 6007,6012,6017	Other Resistors	RS1/16S1103D
		RS1/16S###J

CAPACITORS

C 6004,6048,6049,6060	CCSRCH102J50
C 6012,6013,6016,6017	CKSRYB103K50
C 6018,6021,6024	CEAT100M50
C 6019,6020,6022,6023	CKSRYB103K50
C 6025	CEAT3R3M50
C 6026,6027,6111,6112	CKSRYB103K50
C 6028,6038,6039	CEAT101M10
C 6043-6045,6050,6051	CEAT101M10
C 6046,6047,6058,6059	CKSRYB105K10
C 6055-6057	CEAT101M10
C 6061,6065,6069,6071	CCSRCH102J50
C 6064,6070,6072,6074	CKSRYB105K10
C 6068	CKSRYB105K16
C 6073,6075,6085,6087	CCSRCH102J50
C 6084,6086,6088,6091	CKSRYB105K10
C 6089,6092,6095,6100	CCSRCH102J50
C 6090,6093,6096,6103	CEAT101M16
C 6094,6099,6101,6105	CKSRYB105K10
C 6097,6098	CKSRYB224K10
C 6102,6106,6108,6138	CCSRCH102J50
C 6104,6143,6144,6174	CEAT101M16
C 6107,6137,6147,6148	CKSRYB105K10
C 6110,6115-6117	CKSRYB104K16
C 6113,6114,6121-6124	CCSRCH100D50
C 6125-6136,6184	CKSRYB103K50
C 6146,6149,6150,6153	CCSRCH102J50
C 6151,6152,6155,6157	CKSRYB105K10
C 6154,6156,6159,6160	CCSRCH102J50
C 6158,6161,6162,6165	CKSRYB105K10
C 6163,6164,6172,6173	CCSRCH102J50
C 6175,6181,6197-6199	CCSRCH100D50
C 6176,6177,6179,6180	CEAT101M16
C 6182,6183	CEAT101M16
C 6185,6187	CKSRYB105K10
C 6186,6188,6196	CCSRCH102J50
C 6189-6191	CEAT100M50

H COMPOSITE ASSY

SEMICONDUCTORS

IC 6501,6512	TC4094BFN
IC 6502,6513	LA7109
IC 6505,6506,6508,6509	TC74HC4051AFT
IC 6510	LA7213
IC 6511	TC74HC4053AFT
IC 6516-6518	NJM2505AF
Q 6501-6508	IMX25
Q 6509	2SA1602A
Q 6510	RT1N241M
Q 6516,6524,6525	2SC4154
D 6501	1SS352
D 6502,6503	RR264M-400
D 6504-6508	DAN217U

MISCELLANEOUS

JA 6501,6502	PIN JACK(4P)	XKB3017
JA 6503	COMB.JACK(S+1P)	AKB7199

Mark No. Description

JA 6504-6507 COMB.JACK(2S+2P)
 JA 6509 JACK
 KN 6501-6503 SCREW PLATE

CN 6501 CONNECTOR
 CN 6502 19P CONNECTOR
 CN 6503 PLUG

Part No.

AKB7200
 XKB3069
 VNE1948

CKS3374
 52044-1945
 CKS3545

RESISTORS

All Resistors

RS1/16S###J

CAPACITORS

C 6501,6503,6509,6547
 C 6502,6504,6506,6508
 C 6505,6507,6670-6673
 C 6510,6548,6550-6555
 C 6511,6512,6519,6520

CKSRYB105K10
 CCSRCH102J50
 CKSRYB105K16
 CCSRCH102J50
 CCSRCH101J50

C 6517,6518,6525,6526
 C 6527,6528,6535,6536
 C 6533,6534,6541,6542
 C 6544,6599,6600,6605
 C 6549,6556,6558,6567

CCSRCH331J50
 CCSRCH101J50
 CCSRCH331J50
 CKSRYB103K50
 CEAT101M10

C 6557,6559,6566,6568
 C 6560-6565,6576,6578
 C 6581,6586,6587,6601
 C 6584,6585
 C 6598

CKSRYB104K16
 CCSRCH181J50
 CEAT101M10
 CCSRCH181J50
 CEAT100M50

C 6602-6604,6641,6643
 C 6606,6608,6609,6611
 C 6607,6610,6613
 C 6612,6648,6694,6698
 C 6620,6621,6662-6667

CKSRYB104K16
 CKSRYB103K50
 CEAT220M50
 CKSRYB103K50
 CEAT101M16

C 6624
 C 6625,6634-6639,6660
 C 6640,6642
 C 6650-6655,6689
 C 6661,6668,6669,6674

CKSRYB105K10
 CCSRCH102J50
 CEAT101M10
 CCSRCH100D50
 CCSRCH102J50

C 6675,6679-6681
 C 6676-6678,6682-6684
 C 6685-6687,6692,6693
 C 6688
 C 6690,6691

CCSRCH102J50
 CKSRYB105K16
 CCSRCH102J50
 CEAT101M16
 CKSRYB105K16

C 6696,6697,6699,6700
 C 6701,6704
 C 6702,6703
 C 6708-6710,6712
 C 6714-6716

CKSQYB106K6R3
 CKSRYB103K50
 CKSQYB106K6R3
 CEAT220M50
 CEAT220M50

C 6717-6722

CKSRYB104K16

I FRONT BRIDGE ASSY**MISCELLANEOUS**

CN 7701 PLUG(6P)
 CN 7704 19P CONNECTOR
 CN 7705,7708 CONNECTOR
 CN 7706 CONNECTOR
 CN 7707 CONNECTOR

KM200NA6R
 52044-1945
 CKS3374
 CKS3378
 CKS3382

CN 7709 PLUG(3P)
 CN 7710 27P CONNECTOR
 7701 PCB BINDER

KM200NA3
 VKN1287
 VEF1040

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

All Resistors

RS1/16S###J

MISCELLANEOUS

JH 7702 PCB BINDER

VEF1040

CAPACITORS

C 7702,7704
 C 7703
 C 7711-7714
 C 7715

CCSRCH102J50
 CKSRYB103K50
 CCSRCH100D50
 CCSRCH181J50

J V-BRIDGE ASSY**MISCELLANEOUS**

CN 8601,8602 CONNECTOR

CKS3573

CAPACITORS

C 8602-8604

CKSRYB103K50

K DISPLAY ASSY**SEMICONDUCTORS**

IC 8001
 IC 8002
 △ IC 8004
 IC 8201
 Q 8001-8007

 Q 8009
 Q 8010
 Q 8012
 D 8001,8003,8005,8007
 D 8009,8013

 D 8011
 D 8015,8016,8202
 D 8017,8201
 D 8019
 D 8020

PDC179A8
 GP1UE274XKC1
 S-1200B33-M5
 PE5615A
 RT1N431M

 2SA1602A
 RT1N241M
 2SK2034
 SLR-343VC(NPQ)
 SLR343BC4T(JKLM)

 SLR343WBCT(MNPQ)
 1SS352
 MC2848-11
 RB751V-40
 1SS302

MISCELLANEOUS

L 8201 INDUCTOR
 J 9201 3P JUMPER WIRE
 J 9203 4PJUMPER WIRE
 KN 8201 FL HOLDER(FE)
 V 8201 FL TUBE DISPLAY

CTF1385
 D20PDD0305E
 D20PDD0410E
 VNF1096
 AAV7113

S 8001-8012,8015-8020 SWITCH
 S 8023 SWITCH
 S 8024 ROTARY ENCODER
 X 8002 CRYSTAL OSCILLATOR CRYSTAL OSC (15.0MHz)
 X 8201 CERAMIC RESONATOR (5.00 MHz)

VSG1024
 VSG1024
 ASX7051
 CSS1653
 VSS1142

CN 8001 29P CONNECTOR
 CN 8002 9P CONNECTOR

VKN1872
 VKN1269

RESISTORS

All Resistors

RS1/16S###J

MISCELLANEOUS

JH 8001 3P CABLE HOLDER
 JH 8003 4P CABLE HOLDER
 JH 8201 6P HOUSING ASSY

51048-0300
 51048-0400
 ADX7675

CAPACITORS

C 8001-8007

CCSRCH101J50

Mark No.	Description	Part No.
C 8008		CCSRCH471J50
C 8009,8015,8016,8018		CKSRYP104K16
C 8012,8013		CCSRCH150J50
C 8014,8030,8031,8228		CKSRYP105K10
C 8019-8021,8202,8223		CKSRYP102K50
C 8022,8023,8027,8034		CKSRYP103K50
C 8024		CEJQ101M6R3
C 8025,8026,8232,8233		CCSRCH102J50
C 8032,8033,8036,8224		CKSRYP104K16
C 8035,8222		CKSRYP103K50
C 8037		CCSRCH151J50
C 8201,8230		CKSRYP104K50
C 8203		CEAT101M35
C 8204-8220,8226		CKSRYP471K50
C 8221		ACH7268
C 8225,8227		CKSRYP104K16
C 8229		CKSRYP102K50
C 8231		CEAT470M50

L VOL ASSY

MISCELLANEOUS

S 8401 ROTARY ENCODER

JH 8401 3P CABLE HOLDER

CAPACITORS	
C 8401,8402	CKSRYP103K50

M POWER SW ASSY

SEMICONDUCTORS

Q 8501

D 8502

RT1N431M

SLR343BC4T(JKLM)

MISCELLANEOUS	
S 8501 SWITCH	VSG1024

RESISTORS	
All Resistors	RS1/16S###J

MISCELLANEOUS	
JH 8501 4P CABLE HOLDER	51048-0400

CAPACITORS	
C 8501	CCSRCH101J50

N PRE BRIDGE ASSY

MISCELLANEOUS

CN 6951 19P CONNECTOR

CN 6952 21P PLUG

CN 6953 FLOATING CONNECTOR

52044-1945

XKP3070

AKP7227

O ICE BUFFER ASSY

SEMICONDUCTORS

IC 6800,6820,6840,6860

IC 6880,6900,6920

UPC4570G2-A

UPC4570G2-A

MISCELLANEOUS	
J 6800 JUMPER WIRE	D20PDY0410E
KN 6800,6801 SCREW PLATE	VNE1948
CN 6800 FLOATING CONNECTOR	AKM7086

Mark No.	Description	Part No.
CN 6810 19P PLUG		XKP3069
CN 6820 17P PLUG		XKP3068
CN 6830 5P SOCKET		XKP3073
JH 6800 4P CABLE HOLDER		51048-0400

RESISTORS	
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
Other Resistors	RS1/16S###J

CAPACITORS	
C 6801,6802,6821,6822	CEJQ221M16
C 6803,6804,6823,6824	CFHXSQ103J16
C 6807,6808,6817,6818	CCSRCH102J50
C 6827,6828,6837,6838	CCSRCH102J50
C 6841,6842,6861,6862	CEJQ221M16
C 6843,6844,6863,6864	CFHXSQ103J16
C 6847,6848,6857,6858	CCSRCH102J50
C 6867,6868	CCSRCH102J50
C 6881,6882,6901,6902	CEJQ221M16
C 6883,6884,6903,6904	CFHXSQ103J16
C 6921,6922	CEJQ221M16
C 6923,6924	CFHXSQ103J16

P ICE INTERFACE ASSY

MISCELLANEOUS

CN 3800 19P SOCKET

CN 3801 17P SOCKET

CN 3810,3840,3870 5P SOCKET

CN 3820,3830,3850,3860 PLUG

XKP3080

XKP3079

XKP3073

CKS1750

Q ICEPOWER AMP ASSY

SEMICONDUCTORS

IC 4000,4001

IC 4003

IC 4004

IC 4005

IC 4006

△ IC 4101,4201,4301,4401

IC 4200,4400,4600,4700

IC 4202,4402,4602,4702

IC 4203,4403,4603,4703

IC 4204,4404,4604,4704

BU7262SFVM

TC74VHC04FTS1

TC74VHC08FTS1

HA17431GLTPA

TC7WH08FU

ICC3-AVR

ICC1-AVR

UPC4570G2-A

NJM4565MD

NJM12904V

△ IC 4501,4601,4701

△ IC 4900

Q 4000,4002,4003

Q 4001,4111,4211,4311

Q 4004,4006,4008,4010

Q 4005,4007,4009,4011

Q 4012,4013

Q 4014,4016

Q 4015,4109,4209,4309

△ Q 4100,4101,4200,4201

ICC3-AVR

NJM1431AU

RT1N241M

2SA1602A

RT1P241M

RT1N140M

RT3AMMM

HN1C01FU

2SC4154

PHB45NQ15T

Q 4102,4104,4202,4204	2SC5738
Q 4103,4105,4203,4205	2SA2061
Q 4106,4107,4206,4207	2SA1682
Q 4108,4208,4308,4408	2SD2704K
Q 4110,4210,4310,4410	2SA1514K

Mark	No.	Description	Part No.
	Q	4112,4312,4512,4712	RT1N140M
⚠	Q	4300,4301,4400,4401	PHB45NQ15T
	Q	4302,4304,4402,4404	2SC5738
	Q	4303,4305,4403,4405	2SA2061
	Q	4306,4307,4406,4407	2SA1682
	Q	4409,4509,4609,4709	2SC4154
	Q	4411,4511,4611,4711	2SA1602A
⚠	Q	4500,4501,4600,4601	PHB45NQ15T
	Q	4502,4504,4602,4604	2SC5738
	Q	4503,4505,4603,4605	2SA2061
	Q	4506,4507,4606,4607	2SA1682
	Q	4508,4608,4708	2SD2704K
	Q	4510,4610,4710	2SA1514K
⚠	Q	4700,4701	PHB45NQ15T
	Q	4702,4704	2SC5738
	Q	4703,4705	2SA2061
	Q	4706,4707	2SA1682
	D	4001-4005,4007-4014	1SS352
	D	4100,4200,4300,4400	1SS302
	D	4101,4102,4201,4202	RB161VA-20
	D	4103-4107,4203-4207	RF051VA2S
	D	4108,4109,4208,4209	RF101L2S
	D	4110,4210,4310,4410	1SS352
	D	4301,4302,4401,4402	RB161VA-20
	D	4303-4307,4403-4407	RF051VA2S
	D	4308,4309,4408,4409	RF101L2S
	D	4500,4600,4700	1SS302
	D	4501,4502,4601,4602	RB161VA-20
	D	4503-4507,4603-4607	RF051VA2S
	D	4508,4509,4608,4609	RF101L2S
	D	4510,4610,4710,4810	1SS352
	D	4701,4702	RB161VA-20
	D	4703-4707	RF051VA2S
	D	4708,4709	RF101L2S
MISCELLANEOUS			
	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 COMMON MODE COIL	ATL7022
	L	4702,4703 INDUCTOR	ATL7018
	L	4704 CHIP INDUCTOR	ATL7020
	L	4902,4903 CHIP COIL	ATL7016
	JA	4101 SP TERMINAL 6-P(V0)	AKE7137
	JA	4301,4501 SP TERMINAL 4-P(V0)	AKE7135
	KN	4100,4200,4300,4400 SCREW PLATE	VNE1948
	RY	4100,4300,4500,4700 RELAY	ASR7001
	CN	4000 CONNECTOR	CKS3382
	CN	4100,4200,4400,4500 CONNECTOR	CKS1716
	CN	4300,4600,4700 5P PLUG	XKP3062
	CN	4900 4P-TOP POST(VH)	B4P-VH
	CN	4901 PLUG(2P)	KM200NA2
	CN	4902 PLUG(4P)	KM200NA4
	CN	4903 PLUG(6P)	KM200NA6

MISCELLANEOUS

Mark	No.	Description	Part No.
	4100,4200,4300,4400,4500,4600,4700	COIL SHIELD 60(MTL)	ANK7139
<u>RESISTORS</u>			
R	4057		RS1/8SQ471J
R	4060,4139,4239,4339		RS1/16S5602F
R	4061		RS1/16S3302F
R	4100,4101,4200,4201		RN1/16SE1000D
R	4102,4103,4202,4203		RN1/16SE9100D
R	4104,4105,4204,4205		RN1/16SE1001D
R	4123,4125,4167,4223		RS1/16S1001F
R	4124,4224,4324,4424		RS1/16S2702F
R	4126,4127,4226,4227		RS1/16S1501F
R	4128,4228,4328,4428		RS1/10S2702F
R	4129,4229,4329,4429		RS1/8SQ1R0J
R	4130,4230,4330,4430		RS1/8SQ4702F
R	4131,4231,4331,4431		RS1/8SQ6802F
R	4132,4232,4332,4432		RS1/16S1802F
R	4133,4135,4156,4176		RS1/16S1801F
R	4134,4234,4334,4434		RS1/16S1201F
R	4136,4236,4336,4436		RS1/16S1502F
R	4137,4237,4337,4437		RS1/4SA2702F
R	4138,4238,4338,4438		RS1/16S2701F
R	4145,4150,4245,4250		RS1/10S1002F
R	4146,4246,4346,4446		RS1/16S3902F
R	4147-4149,4161,4162		ACN7165
R	4151,4152,4251,4252		ACN7162
R	4153,4253,4353,4453		RS1/10S334J
R	4154,4254,4354,4454		ACN7161
R	4155,4255,4355,4455		RS1/10S1502F
R	4163,4263,4363,4463		RS1/4SA1053F
R	4164,4264,4364,4464		RS1/16S3301F
R	4166,4266,4366,4466		RS1/16S1002F
R	4168,4268,4368,4468		RS1/16S2202F
R	4169,4269,4369,4469		RS1/16S1202F
R	4177,4277,4377,4477		RS1/4SA2002F
R	4225,4267,4323,4325		RS1/16S1001F
R	4233,4235,4256,4276		RS1/16S1801F
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		RS1/16S1501F
R	4333,4335,4356,4376		RS1/16S1801F
R	4345,4350,4445,4450		RS1/10S1002F
R	4347-4349,4361,4362		ACN7165
R	4351,4352,4451,4452		ACN7162
R	4367,4423,4425,4467		RS1/16S1001F
R	4433,4435,4456,4476		RS1/16S1801F
R	4439,4539,4639,4739		RS1/16S5602F
R	4447-4449,4461,4462		ACN7165
R	4500,4501,4600,4601		RN1/16SE1000D
R	4502,4503,4602,4603		RN1/16SE9100D
R	4504,4505,4604,4605		RN1/16SE1001D
R	4523,4525,4567,4623		RS1/16S1001F
R	4524,4624,4724		RS1/16S2702F
R	4526,4527,4626,4627		RS1/16S1501F
R	4528,4628,4728		RS1/10S2702F
R	4529,4629,4729		RS1/8SQ1R0J
R	4530,4630,4730		RS1/8SQ4702F

Mark No.	Description	Part No.	Mark No.	Description	Part No.
R 4531,4631,4731		RS1/8SQ6802F	C 4126,4226,4326,4426		ACG7079
R 4532,4632,4732		RS1/16S1802F	C 4127,4227,4327,4427		ACG7070
R 4533,4535,4556,4576		RS1/16S1801F			
R 4534,4634,4734		RS1/16S1201F	C 4129,4152,4153,4156		CKSRYB104K16
			C 4131,4132,4231,4232		CKSQYB224K25
R 4536,4636,4736		RS1/16S1502F	C 4133,4233,4333,4433		ACG7064
R 4537,4637,4737		RS1/4SA2702F	C 4134,4234,4334,4434		ACG7063
R 4538,4638,4738		RS1/16S2701F	C 4135-4138,4235-4238		ACG7065
R 4545,4550,4645,4650		RS1/10S1002F			
R 4546,4646,4746		RS1/16S3902F	C 4141,4142,4241,4242		CCG1245
			C 4143-4146,4243-4246		CCG1248
R 4547-4549,4561,4562		ACN7165	C 4147,4148,4215,4218		CKSRYB105K10
R 4551,4552,4651,4652		ACN7162	C 4149,4150,4249,4250		ACH7304
R 4553,4653,4753		RS1/10S334J	C 4155,4255,4355,4455		CKSYB475K25
R 4554,4654,4754		ACN7161			
R 4555,4655,4755		RS1/10S1502F	C 4157,4257,4357,4457		CKSRYB222K50
			C 4160,4260,4360,4460		CCSRCH102J50
R 4563,4663,4763,4863		RS1/4SA1053F	C 4213,4217,4312,4313		ACH1479
R 4564,4664,4764,4864		RS1/16S3301F	C 4220,4230,4247,4248		CKSRYB105K10
R 4566,4666,4766,4900		RS1/16S1002F	C 4221,4229,4252,4253		CKSRYB104K16
R 4568,4668,4768		RS1/16S2202F			
R 4569,4669,4769		RS1/16S1202F	C 4258,4321,4329,4352		CKSRYB104K16
			C 4304,4305,4404,4405		ACG7069
R 4577,4677,4777		RS1/4SA2002F	C 4306,4307,4406,4407		ACG7072
R 4625,4667,4723,4725		RS1/16S1001F	C 4315,4318,4320,4330		CKSRYB105K10
R 4633,4635,4656,4676		RS1/16S1801F	C 4316,4351,4416,4451		CKSRYB105K16
R 4647-4649,4661,4662		ACN7165			
R 4700,4701		RN1/16SE1000D	C 4317,4412,4413,4417		ACH1479
			C 4322,4328,4422,4428		ACG7073
R 4702,4703		RN1/16SE9100D	C 4331,4332,4431,4432		CKSQYB224K25
R 4704,4705		RN1/16SE1001D	C 4335-4338,4435-4438		ACG7065
R 4726,4727		RS1/16S1501F	C 4341,4342,4441,4442		CCG1245
R 4733,4735,4756,4776		RS1/16S1801F			
R 4745,4750		RS1/10S1002F	C 4343-4346,4443-4446		CCG1248
			C 4347,4348,4415,4418		CKSRYB105K10
R 4747-4749,4761,4762		ACN7165	C 4349,4350,4449,4450		ACH7304
R 4751,4752		ACN7162	C 4353,4356,4421,4429		CKSRYB104K16
R 4767		RS1/16S1001F	C 4420,4430,4447,4448		CKSRYB105K10
R 4901		RS1/16S3301F			
R 4902		RS2LMF682J	C 4452,4453,4458,4521		CKSRYB104K16
			C 4500,4600,4700		CFTNA104J2A
Other Resistors		RS1/16S###J	C 4501,4601,4701		CFTNA274J2A
			C 4504,4505,4604,4605		ACG7069
			C 4506,4507,4606,4607		ACG7072
			C 4508,4608,4708,4808		CEHAT221M25
			C 4509,4609,4709,4809		CFHXSQ103J16
			C 4512,4513,4517,4612		ACH1479
			C 4514,4614,4714		ACG7068
			C 4515,4518,4520,4530		CKSRYB105K10
			C 4516,4551,4616,4651		CKSRYB105K16
			C 4519,4619,4719		CKSQYB474K16
			C 4522,4528,4622,4628		ACG7073
			C 4523,4623,4723		ACG7066
			C 4524,4624,4724		ACG7078
			C 4525,4625,4725		ACG7071
			C 4526,4626,4726		ACG7079
			C 4527,4627,4727		ACG7070
			C 4529,4552,4553,4556		CKSRYB104K16
			C 4531,4532,4631,4632		CKSQYB224K25
			C 4533,4633,4733		ACG7064
			C 4534,4634,4734		ACG7063
			C 4535-4538,4635-4638		ACG7065
			C 4541,4542,4641,4642		CCG1245
			C 4543-4546,4643-4646		CCG1248
			C 4547,4548,4615,4618		CKSRYB105K10
			C 4549,4550,4649,4650		ACH7304

CAPACITORS

C 4001-4004,4011-4021	CCSRCH102J25
C 4005,4006,4026,4027	CKSRYB104K16
C 4010,4036,4916,4917	CEHAT331M10
C 4022,4025,4029,4040	CKSRYB105K10
C 4023	CKSYB106K10
C 4024	CEHAT101M10
C 4028,4926	CKSRYB103K25
C 4031-4035,4041,4121	CKSRYB104K16
C 4100,4200,4300,4400	CFTNA104J2A
C 4101,4201,4301,4401	CFTNA274J2A
C 4104,4105,4204,4205	ACG7069
C 4106,4107,4206,4207	ACG7072
C 4108,4208,4308,4408	CEHAT221M25
C 4109,4209,4309,4409	CFHXSQ103J16
C 4112,4113,4117,4212	ACH1479
C 4114,4214,4314,4414	ACG7068
C 4115,4118,4120,4130	CKSRYB105K10
C 4116,4151,4216,4251	CKSRYB105K16
C 4119,4219,4319,4419	CKSQYB474K16
C 4122,4128,4222,4228	ACG7073
C 4123,4223,4323,4423	ACG7066
C 4124,4224,4324,4424	ACG7078
C 4125,4225,4325,4425	ACG7071

Mark No.	Description	Part No.	Mark No.	Description	Part No.
C 4555,4655,4755		CKSYB475K25	△ L 8701	LINE FILTER	XTF3004
C 4557,4657,4757,4857		CKSRYB222K50	H 8701,8702	FUSE CLIP	AKR7001
C 4560,4660,4760,4860		CCSRCH102J50	KN 8701	WRAPPING TERMINAL	VNF1084
			KN 8702,8703	SCREW PLATE	VNE1948
C 4613,4617,4712,4713		ACH1479	△ RY 8702	POWER RELAY	ASR7022
C 4620,4630,4647,4648		CKSRYB105K10			
C 4621,4629,4652,4653		CKSRYB104K16	△ T 8701	STANDBY TRANSFORMER	ATT7043
C 4658,4721,4729,4752		CKSRYB104K16	△ CN 8700	AC CODE SOCKET	RKP1751
C 4704,4705		ACG7069	△ CN 8701	CONNECTOR	B2P3-VH
			CN 8711	PLUG(5P)	KM200NA5
C 4706,4707		ACG7072	JH 8701	PCB BINDER	VEF1040
C 4715,4718,4720,4730		CKSRYB105K10			
C 4716,4751,4912,4913		CKSRYB105K16			
C 4717,4817		ACH1479			
C 4722,4728		ACG7073			
C 4731,4732		CKSQYB224K25			
C 4735-4738		ACG7065			
C 4741,4742,4927-4929		CCG1245			
C 4743-4746		CCG1248			
C 4747,4748,4818,4847		CKSRYB105K10			
C 4749,4750		ACH7304			
C 4753,4756,4758		CKSRYB104K16			
C 4900-4905		ACH7305			
C 4908		CEHAT221M25			
C 4909,4924,4925		CKSRYB104K25			
C 4914,4915		CKSQYB104K16			
C 4920,4921		CKSQYB105K25			
C 4930,4931		CCSRCH102J50			

R ICE SHIELD ASSY

MISCELLANEOUS

KN 6990 SCREW PLATE
JH 6990 4P JUMPER CONNECTOR

VNE1948
52147-0410

S ZOUT ASSY

SEMICONDUCTORS

Q 6401,6411

IMX25

MISCELLANEOUS

JA 6401 PIN JACK(4P)
CN 6401 11P CONNECTOR

XKB3017
52044-1145

RESISTORS

All Resistors

RS1/16S###J

CAPACITORS

C 6401,6402,6411,6412
C 6421,6423

CCSRCH471J50
CKSRYB103K50

T PRIMARY ASSY

SEMICONDUCTORS

△ IC 8711
Q 8712
D 8703,8704,8719
△ D 8711
D 8717

NJM78M56FA
RT1N431M
1SS352
S1WB(A)60SD
1SS357

D 8718

UDZS5R1(B)

MISCELLANEOUS

Mark No.	Description	Part No.
△ L 8701	LINE FILTER	XTF3004
H 8701,8702	FUSE CLIP	AKR7001
KN 8701	WRAPPING TERMINAL	VNF1084
KN 8702,8703	SCREW PLATE	VNE1948
△ RY 8702	POWER RELAY	ASR7022
△ T 8701	STANDBY TRANSFORMER	ATT7043
△ CN 8700	AC CODE SOCKET	RKP1751
△ CN 8701	CONNECTOR	B2P3-VH
CN 8711	PLUG(5P)	KM200NA5
JH 8701	PCB BINDER	VEF1040

RESISTORS

R 8702
Other Resistors

RD1/4MUF220J
RS1/16S###J

CAPACITORS

△ C 8701,8702
△ C 8704
C 8711
C 8712-8715,8720
C 8716

ACE7013
ACG7039
CFTLA103J50
CCSRCH102J50
CEAT332M25

C 8717,8719
C 8718

CKSRYB103K50
CEAT221M25

U PRIMARY GUARD ASSY

MISCELLANEOUS

CN 5752 5P PLUG

XKP3062

V REG ASSY

SEMICONDUCTORS

△ IC 7501,7611
△ IC 7502
△ IC 7521
△ IC 7601
△ IC 7602

NJM78M12FA
NJM79M12FA
NJM78M06FA
NJM78M56FA
NJM79M05FA

△ D 7501-7504,7521,7522
D 7505,7506,7523,7603
△ D 7601
D 7602
D 7604,7614

1SR154-400
1SS357
D3SBA20(B)
1SS352
1SS357

△ D 7611,7612,7621-7623
D 7613
D 7624
D 7625

1SR154-400
1SR154-400
HZU6R2(B2)
PTZ24(B)

MISCELLANEOUS

H 7501-7504,7601-7604 FUSE CLIP
CN 7501,7601 5P TOP POST
CN 7502 PLUG(5P)
CN 7602 PLUG(5P)
CN 7621 PLUG(6P)

AKR7001
B5B-EH
KM200NA5R
KM200NA5E
KM200NA6

JH 7502,7601 PCB BINDER
△ P 7521,7522 PROTECTOR(1A)

VEF1040
AEK7009

RESISTORS

R 7621
△ Other Resistors

RS1/16S473J
RD1/4MUF###J

CAPACITORS

C 7500,7520,7600,7634
C 7501

CFTLA394J50
CEAT332M25

Mark No.	Description	Part No.
C 7502,7521		CEAT222M25
C 7505,7506,7522,7603		CKSRYB103K50
C 7507,7508		CEAT221M25
C 7523		CEAT221M16
C 7601		CEAT472M16
C 7602		CEAT222M16
C 7604,7613,7626		CKSRYB103K50
C 7605,7606,7624		CEAT101M16
C 7611		CEAT102M35
C 7612		CEAT471M35
C 7614		CEAT100M50
C 7621		CEANP101M35
C 7622		CEAT101M35
C 7623		CEAT221M35
C 7625		CEAT470M50
C 7628,7632		CCSRCH102J50
C 7629		CFTLA104J50

W ICE REG ASSY SEMICONDUCTORS

△ IC 7251	NJM78M12FA
△ IC 7252	NJM79M12FA
△ IC 7271	NJM78M05FA
△ IC 7272	NJM79M05FA
△ Q 7201	RSQ035P03
△ Q 7202	RSQ035N03
Q 7203,7204	RT1N431M
Q 7205,7222	RT1P431M
△ Q 7211	2SD1763A
△ Q 7212	2SB1186A
Q 7221	RT1N241M
Q 7241	2SD1763A
Q 7242	2SC4154
△ D 7201-7204,7211,7212	1SR154-400
D 7205,7206,7245	1SS352
D 7213,7214	HZU7R5(B1)
D 7215,7216	1SR154-400
△ D 7241-7244,7251-7254	1SR154-400
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 7201-7204,7241,7242 FUSE CLIP	AKR7001
H 7251-7254 FUSE CLIP	AKR7001
CN 7201 8P TOP POST	B8B-EH
CN 7241 PLUG(2P)	KM200NA2
CN 7251 PLUG(6P)	KM200NA6E
CN 7271 PLUG(4P)	KM200NA4
CN 7302 PLUG(6P)	KM200NA6R
JH 7251-7253 PCB BINDER	VEF1040

RESISTORS

R 7211,7213	RD1/4MUF102J
R 7241	RS1/4S152J
R 7255,7256	RS1/10S0R0J
Other Resistors	RS1/16S###J

CAPACITORS

Mark No.	Description	Part No.
C 7200,7240,7250,7270		CFTLA394J50
C 7201,7202		CEAT102M16
C 7211-7215,7219,7245		CEAT100M50
C 7217,7218,7242,7253		CKSRYB103K50
C 7221,7246		CEAT470M25
C 7241,7251,7252		CEAT222M25
C 7254,7273,7274		CKSRYB103K50
C 7255,7256		CEAT221M25
C 7271,7272		CEAT222M16
C 7275,7276		CEAT221M16
C 7277,7278		CCSRCH102J50

X B DIODE ASSY SEMICONDUCTORS

△ D 7400,7401	LN6SB60-4003
CN 7400 CONNECTOR	B3P-VH
7400,7401 HEAT SINK B	ANH1021
7402,7403 SCREW	IBZ30P080FCC
JP 7401 3P HOUSING ASSY	ADX7649

MISCELLANEOUS

RESISTORS

R 7402	RD1/4MUF100J
Other Resistors	RS1/4SA###J

CAPACITORS

C 7400,7401	ACH7270
C 7402,7403	CFTLA104J2A

Y 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
Q 7309	2SC4154
Q 7310	2SA1602A
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)
D 7353	UDZS20(B)
D 7355	1SS352
△ TH 7300	PTFM04BB222Q2N34B0

MISCELLANEOUS

H 7300-7303 FUSE CLIP	AKR7001
CN 7303 4P-TOP POST(VH)	B4P-VH
CN 7306 PLUG(4P)	KM200NA4
CN 7308 CONNECTOR	B3P-VH
JH 7300 PCB BINDER	VEF1040

△ P 7300,7301 PROTECTOR(500MA)	AEK7005
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RESISTORS

Mark No. Description

R 7302,7303
R 7306,7307
R 7308-7311
R 7312-7315
R 7318,7319

R 7322,7323
R 7324,7325
R 7326-7329
R 7332,7333
R 7334,7335

R 7336,7337
R 7386
R 7387
R 7388
R 7389

Other Resistors

CAPACITORS

C 7302,7303,7376-7379
C 7304-7307,7350
C 7310,7311
C 7318,7319
C 7320,7321

C 7324,7325
C 7326,7327
C 7380-7384
C 7386

Part No.

RS2LMF222J
RS2LMF472J
RS1/4SA333J
RN1/16SE2702D
RS1/10S473J

RS2LMF152J
RS1/10S100J
RS1LMF332J
RN1/10SE8202D
RN1/10SE6801D

RN1/10SE1800D
RS1/4SA154J
RS1/4SA393J
RS1/4SA223J
RS1/4SA473J

RS1/16S###J

CCSRCH102J50
CKSRYB104K50
CKSRYB473K50
CCG1248
CEAT4R7M50

CEHAT470M2A
ACG7064
CKSRYB104K50
CCSRCH102J50

Mark No. Description

H 8801,8802 FUSE CLIP
CN 8801 3P TOP POST
CN 8802 CONNECTOR

CAPACITORS

C 8800
C 8801
C 8803

Part No.

AKR7001
B3B-EH
B2B-EH-R

CFTLA274J50
ACH7286
CCSRCH102J50

FM/AM TUNER UNIT

FM/AM TUNER UNIT has no service parts.

Z DCDC ASSY

SEMICONDUCTORS

△ IC 3901
D 3901
△ D 3902

PQ1CG3032FZ
RB050L-40
PTZ6R8(B)

MISCELLANEOUS

L 3901 INDUCTOR
CN 3901 CONNECTOR
CN 3902 CONNRCTOR
3900 HEAT SINK
3901 SCREW

ATH7052
B2B-EH-E
B2B-EH-Y
ANH-309
BBZ30P080FCC

JH 3901 PCB BINDER

VEF1040

RESISTORS

R 3901
R 3902
Other Resistors

RN1/16SE1001D
RN1/16SE3301D
RS1/16S###J

CAPACITORS

C 3901
C 3902
C 3903
C 3905
C 3906,3910

CEHAZL471M25
CKSYB105K25
CKSRYB104K25
CEHAZL221M10
CCSRCH102J50

C 3911

CFTLA394J50

AA HDMI RECT ASSY

SEMICONDUCTORS

△ D 8801

D5SBA20(B)

MISCELLANEOUS