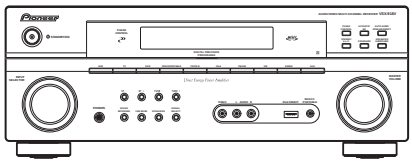
Pioneer sound.vision.soul

Service Manual



VSX-918V-K

ORDER NO.
RRV3706

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-918V-K
VSX-918V-S
VSX-818V-K
VSX-818V-S

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

Model	Type	Power Requirement	Remarks
VSX-918V-K	KUXJ/CA	AC 120 V	
VSX-918V-S	KUXJ/CA	AC 120 V	
VSX-818V-K	KUXJ/CA	AC 120 V	
VSX-818V-S	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 lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 Ð 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.

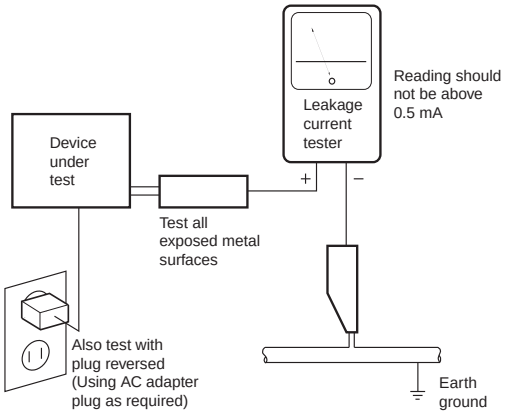
(FOR USA MODEL ONLY)

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.

CONTENTS

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 AMPLIFIER FAILURE DIAGNOSIS FLOW CHART

■ Amplifier failure diagnosis flow chart

When DC detection is activated ("AMP_ERR" flashes on the display), failure (damage) of the power amplifier section is considered.

Caution:
When releasing the lock state of power key before repair, please be careful because there is the possibility that more damages will occur when turning on the power once again!

- According to a symptom, perform the following confirmation beforehand.

1) Are there any Fuses and IC protectors open?
↓
2) After turn on the power, confirm that the supply voltage of the point that can be measured is appropriate. (Particularly the supply voltage of the power Tr and drive step)
↓
3) Whether the voltage of pin2 and pin5 of IC601 or IC603 is equal to (VL-0.7V). If not (eg, equal to VH), then change the corresponding power pack IC601 or IC603.
↓
4) Furthermore, check the output DC voltage of each channel of power pack IC601 and IC603 to limit the failure channel and identify the defect power pack.

↓
- After identify the failure channel, check that each part is not damaged (resistor, diode... etc. value / open / short)

2. SPECIFICATIONS

2.1 SPECIFICATIONS

Amplifier section

- **Continuous power output (stereo)**

Front . . .95 W (20 Hz to 20 kHz, THD 0.2 %, 8 Ω)[1]

- **Rated power output**
  (surround / 20 Hz to 20 kHz, THD 0.06 %, 8 Ω)

Front . . . . . .95 W per channel
Center. . . . . 95 W
Surround. . . . . .95 W per channel

- **Rated power output**
  (surround / 1 kHz, THD 0.05 %, 8 Ω)

Front . . . . . .120 W per channel
Center. . . . . 120 W
Surround. . . . . .120 W per channel

Audio section

- **Input (Sensitivity/Impedance)**

AUX, CD, CD-R/TAPE/MD, DVD/BD,
TV/SAT, DVR/VCR . . . . . .335 mV/47 kΩ

- **Frequency response**

AUX, CD, CD-R/TAPE/MD, DVD/BD,
TV/SAT, DVR/VCR . . . . .5 Hz to 100 000 Hz $^{+0}_{-3}$ dB

- **Output (Level/Impedance)**

CD-R/TAPE/MD, DVR/VCR . . . . . 335 mV/2.2 kΩ

- **Tone control**

Bass . . . . . ± 6 dB (100 Hz)
Treble . . . . . ± 6 dB (10 kHz)
Loudness . . . . . +10 dB/+5 dB (100 Hz/10 kHz)
(at volume level –50 dB)

- **Signal-to-Noise Ratio (IHF, short circuited, A network)**

AUX, CD, CD-R/TAPE/MD, DVD/BD,
TV/SAT, DVR/VCR . . . . . .96 dB

- **Signal-to Noise Ratio [EIA, at 1 W (1 kHz)]**

AUX, CD, CD-R/TAPE/MD, DVD/BD,
TV/SAT, DVR/VCR . . . . . 79 dB

Video Section

- **Input (Sensitivity/Impedance)**

DVR/VCR, DVD/BD, TV/SAT . . . . . 1 Vp-p/75 Ω

- **Output (Level/Impedance)**

DVR/VCR, MONITOR OUT . . . . . 1 Vp-p/75 Ω

- **Frequency response**

DVR/VCR, DVD/BD,
TV/SAT ⇨ MONITOR . . . . . 5 Hz to 7 MHz $^{+0}_{-3}$ dB
Signal-to-Noise Ratio. . . . . 55 dB
Crosstalk. . . . . 50 dB

Component video section

- **Input (Sensitivity)**

DVD/BD, TV/SAT, DVR/VCR . . . . . 1 Vp-p/75 Ω

- **Output (Level/Impedance)**

MONITOR OUT. . . . . 1 Vp-p/75 Ω

- **Frequency response**

DVD/BD, TV/SAT,
DVR/VCR ⇨ MONITOR . . 5 Hz to 40 MHz $^{+0}_{-3}$ dB
Signal-to-Noise Ratio. . . . . 60 dB

FM Tuner Section

Frequency Range. . . . . 87.5 MHz to 108 MHz
Usable Sensitivity . . . . . .Mono:13.2 dBf, IHF
(1.3 µV/75 Ω)
50 dB Quieting Sensitivity. . . . . Mono: 20.2 dBf
Stereo: 38.6 dBf
Signal-to-Noise Ratio. . . Mono: 73 dB (at 85 dBf)
Stereo: 70 dB (at 85 dBf)
Distortion . . . . . .Stereo: 0.5 % (1 kHz)
Alternate Channel Selectivity. . . . . 60 dB
(400 kHz)
Stereo Separation . . . . . 40 dB (1 kHz)
Frequency Response. . . . . 30 Hz to 15 kHz
(±1 dB)
Antenna Input (DIN) . . . . . .75 Ω unbalanced

AM Tuner Section

Frequency Range . . . . . .530 kHz to 1700 kHz
Sensitivity (IHF, Loop antenna). . . . . 350 µV/m
Signal-to-Noise Ratio . . . . . 50 dB
Antenna. . . . . Loop antenna

Other Input/Output Section

HDMI terminal
Input . . . . . 19 pin x2
Output. . . . . .19 pin (5 V, 55 mA)
XM connector . . . . . .4 pin (5 V, 370 mA)
SIRIUS connector. . . . . .8 pin

Miscellaneous

Power requirements. . . . . .AC 120 V/60 Hz
Power consumption. . . . . .300 W
In standby . . . . . 0.5 W
Dimensions
. . . . . 420 mm (W) x 158 mm (H) x 352.5 mm (D)
. . . . . $16^{9}/_{16}$ in. (W) x $6^{1}/_{4}$ in. (H) x $13^{7}/_{8}$ in. (D)
Weight (without package) . . . . 8.1 kg (17 lb 9 oz)

Furnished Parts

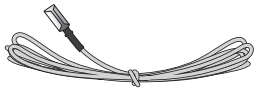
Microphone (for Auto MCACC setup) 1
Remote control 1
Dry cell batteries (AA size IEC R6). 2
AM loop antenna 1
FM wire antenna 1
Operating instructions

Note

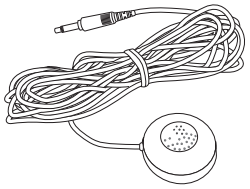
1Continuous average power output of 95 watts* per channel, min., at 8 ohms, from 20 Hz to 20 000 Hz with no more than 0.2 %** total harmonic distortion (front).
* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers.
** Measured by Audio Spectrum Analyzer.

Accessories

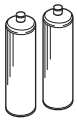
AM loop antenna
(ATB7013)



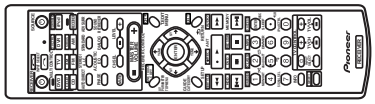
FM wire antenna
(ADH7030)



Microphone
(for Auto MCACC setup)
(APM7008)



AA size IEC R6
Dry cell batteries (x2)

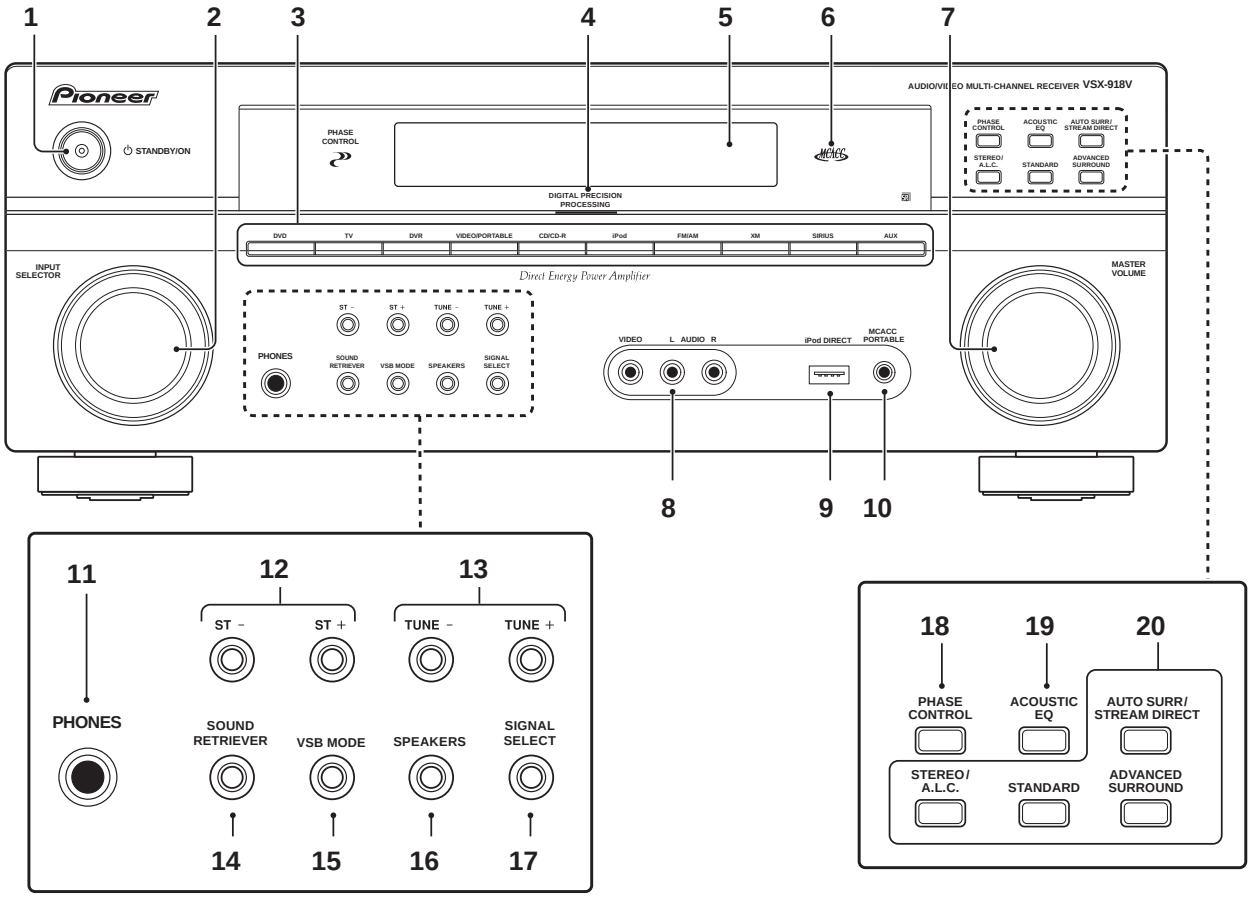


Remote control
(VSX-918V-K : XXD3147)
(VSX-918V-S : XXD3161)
(VSX-818V-K : XXD3152)
(VSX-818K-S : XXD3163)

2.2 PANEL FACILITIES

Front panel

Illustration shows the VSX-918V model



1 ⏻ STANDBY/ON

2 INPUT SELECTOR dial
Selects an input source.

3 Input select buttons
Selects an input source.

4 Digital Precision Processing indicator
(VSX-918V model only)
Lights to indicate digital processing.

5 Character display

6 MCACC indicator
Lights when Acoustic Calibration EQ is on (Acoustic Calibration EQ is automatically set to **ALL CH ADJUST** after the Auto MCACC Setup or EQ Auto Setup).

7 MASTER VOLUME dial

8 AUDIO/VIDEO input

9 iPod DIRECT terminal
Use to connect your Apple iPod as an audio source.

10 MCACC PORTABLE jack
Use to connect a microphone when performing Auto MCACC setup, or connect an auxiliary component using a stereo mini-jack cable.

11 PHONES jack
Use to connect headphones (when connected, there is no sound output from the speakers (except speaker system B connections)).

12 ST +/–
Use to select preset radio stations.

13 TUNE +/–
Used to find radio frequencies.

14 SOUND RETRIEVER
Press to restore CD quality sound to compressed audio sources.

15 VSB MODE
Press to switch on/off Virtual Surround Back (VSB) mode.

16 SPEAKERS
Use to change the speaker system and the impedance setting.

17SIGNAL SELECT
Selects an input signal.

18 PHASE CONTROL
Press to switch on/off Phase Control.

19 ACOUSTIC EQ
Press to select an Acoustic Calibration EQ setting.

20Listening mode buttons

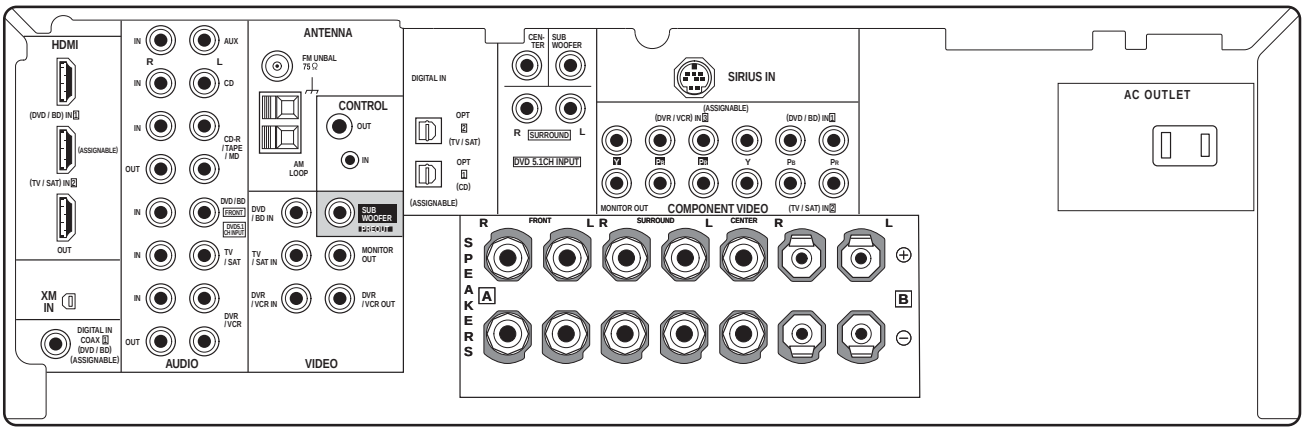
AUTO SURR/STREAM DIRECT
Switches between Auto surround mode (Auto playback) and Stream Direct playback. Stream Direct playback bypasses the tone controls for the most accurate reproduction of a source.

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

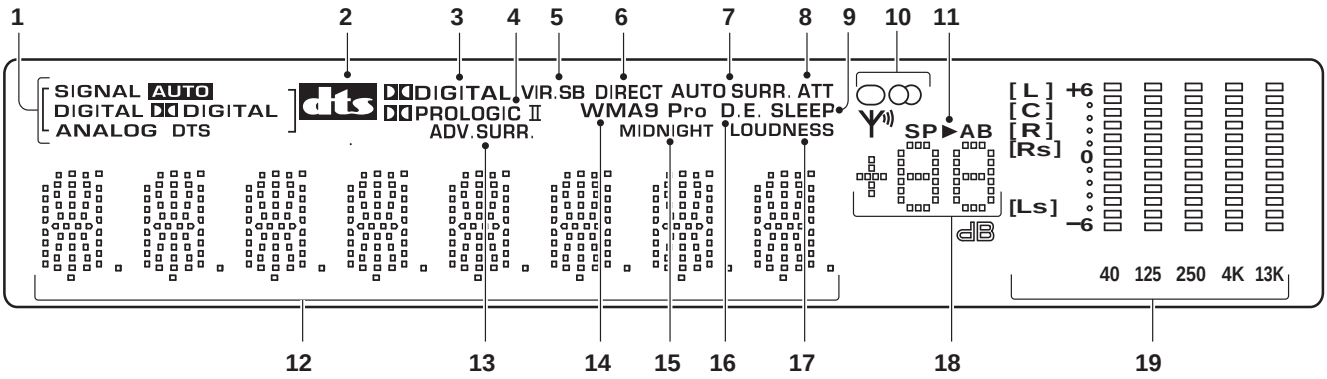
STANDARD
Press for Standard decoding and to switch between the various Pro Logic II options.

ADVANCED SURROUND
Switches between the various surround modes.

VSX-918V



Display



1 SIGNAL indicators
Lights to indicate the type of input signal:

AUTO
Lights when **AUTO** signal select is on.

DIGITAL
Lights when a digital audio signal is detected.

DIGITAL
Lights when a Dolby Digital encoded signal is detected.

ANALOG
Lights when an analog signal is detected.

DTS
Lights when a source with DTS encoded audio signals is detected.

2
Lights to indicate decoding of a DTS multichannel signal.

3 DIGITAL
Lights to indicate decoding of a Dolby Digital multichannel signal.

4 PRO LOGIC II
Lights to indicate Pro Logic II decoding.

5 VIR. SB
Lights during Virtual surround back processing.

6 DIRECT
Lights when source Stream Direct playback is in use. Direct playback bypasses the tone controls for the most accurate reproduction of a source.

7 AUTO SURR.
Lights when Auto Surround or XM HD Surround is on.

8 ATT
Lights when **ANALOG ATT**is used to attenuate (reduce) the level of the analog input signal.

9 SLEEP
Lights when the sleep mode is active.

10 Tuner indicators

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

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

/ TUNED
Lights when a broadcast is being received.

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

12 Character display

13 ADV.SURR. (Advanced Surround)
Lights when one of the Advanced Surround modes has been selected.

14 WMA9 Pro
Lights to indicate decoding of a WMA9 Pro signal.

15 MIDNIGHT
Lights during Midnight listening.

16 D.E.
Lights when Dialog Enhancement is switched.

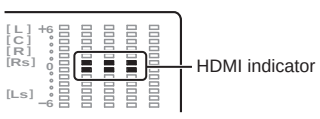
17 LOUDNESS
Lights during Loudness listening.

18 Master volume level
Shows the overall volume level.

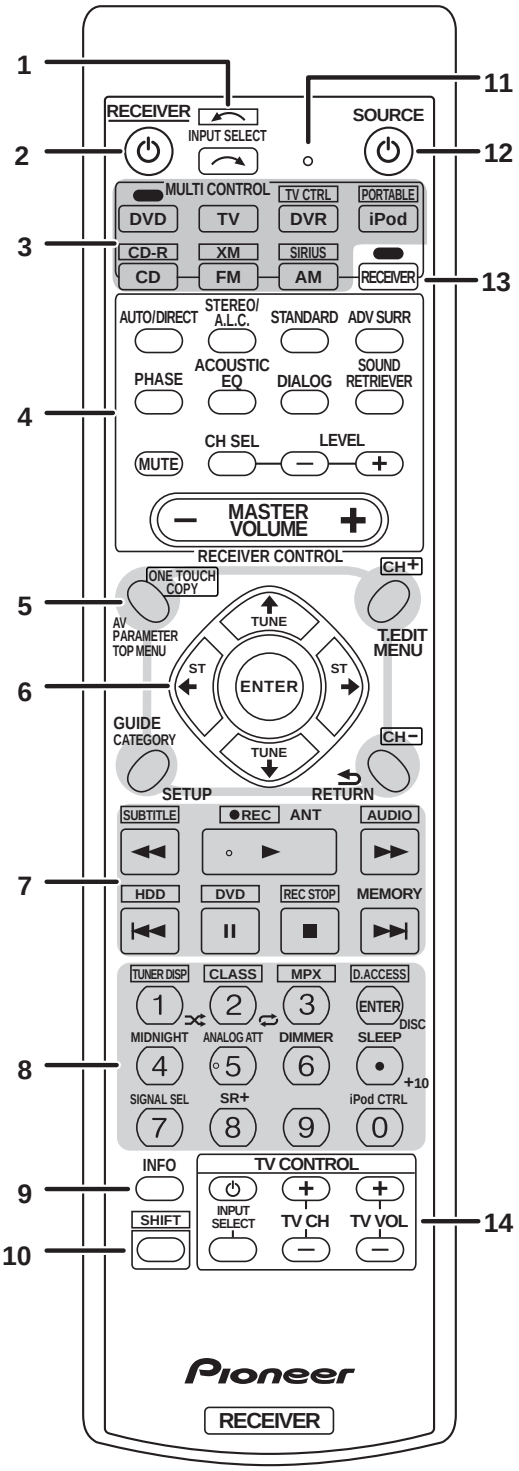
19 MCACC channel EQ / Sound Retriever / HDMI indicators
These indicators show the EQ balance for each channel in Checking your Acoustic Calibration EQ settings. Also, **L** and **R** light when the Sound Retriever is active.

In addition, the HDMI connection state is displayed as shown below.

Blinks when connecting an HDMI-equipped component: lights when the component is connected.



Remote control Illustration shows the VSX-918V model



1 INPUT SELECT
Use to select the input source (use **SHIFT** for **INPUT SELECT**).

2 ⏻ RECEIVER
Switches the receiver between standby and on.

3 MULTI CONTROL buttons
Press to select control of other components.

TV CTRL,**PORTABLE**,**CD-R**,**XM** and **SIRIUS** buttons can be used with **SHIFT** button.

4 RECEIVER CONTROL buttons

AUTO/DIRECT
Switches between Auto surround mode (Auto playback) and Stream Direct playback. Direct playback bypasses the tone controls for the most accurate reproduction of a source.

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

STANDARD
Press for Standard decoding and to switch between DII Pro Logic II options.

ADV SURR
Switches between the various surround modes.

PHASE
Press to switch on/off Phase Control.

ACOUSTIC EQ
Press to select an Acoustic Calibration EQ setting.

DIALOG
Use to make dialog stand out when watching TV or a movie.

SOUND RETRIEVER
Press to restore CD quality sound to compressed audio sources.

MUTE
Mutes/unmutes the sound.

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

LEVEL +/–
Use to adjust the channel levels.

MASTER VOLUME +/–
Use to set the listening volume.

5 System Setup and Component control buttons
The following button controls can be accessed after you have selected the corresponding **MULTI CONTROL** button (**DVD**,**DVR**, **RECEIVER**, etc.).

AV PARAMETER
Use to access the AV options.

TOP MENU
Displays the disc ‘top’ menu of a DVD.

ONE TOUCH COPY*
Copies the currently playing title from DVD to HDD or vice-versa.

GUIDE
Displays/changes the subtitles on multilingual DVDs.

CATEGORY
Press to browse digital radio broadcasts.

SETUP
Press to access the System Setup menu. Also functions as the **SETUP** button for DVD/DVR units.

T.EDIT
Memorizes/names stations for recall.

MENU
Displays the disc menu of DVD-Video discs.

RETURN
Confirm and exit the current menu screen.

CH +/–*
Use to select channels for DVD/DVR units.

6 ↑↓←→ (TUNE↑/↓, ST←/→), ENTER
Use the arrow buttons when setting up your surround sound system. Also used to control DVD menus/options.

Use the **TUNE ↑/↓** buttons can be used to find radio frequencies and the **ST←/→** buttons can be used to select preset radio stations.

7 Component control buttons
The main buttons (►, ■, etc.) are used to control a component after you have selected it using the **MULTI CONTROL** buttons.

The controls above these buttons can be accessed after you have selected the corresponding **MULTI CONTROL** button (for example **DVD**,**DVR** or **TV** (when connected to a DTV)).

SUBTITLE*
Displays/changes the subtitles included in multilingual DVD-Video discs.

● REC*
Start recording.

AUDIO*
Changes the audio language or channel on DVD discs.

HDD*, DVD*
These buttons switch between the hard disk and DVD controls for HDD/DVD recorders.

REC STOP*
Stops recording.

ANT
Use to select the VHF/UHF antennas or Cable TV.

MEMORY
Use to register a song title you are currently listening to.

8 Number buttons and other component controls
Use the number buttons to directly select a radio frequency or the tracks on a CD, DVD, etc. There are other buttons that can be accessed after the **RECEIVER** button is pressed. (For example **MIDNIGHT**, etc.)

TUNER DISP*
Switches between named station presets and radio frequencies.

CLASS*
Switches between the three banks (classes) of radio station presets.

MPX*
Switches between stereo and mono reception of FM broadcasts. If the signal is weak then switching to mono will improve the sound quality.

D.ACCESS*
After pressing, you can access a radio station directly using the number buttons.

MIDNIGHT
Switches to Midnight or Loudness listening.

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

DIMMER
Dims or brightens the display.

SLEEP
Press to change the amount of time before the receiver switches into standby (**30 min – 60 min – 90 min – Off**). You can check the remaining sleep time at any time by pressing**SLEEP** once.

SIGNAL SEL
Use to select an input signal.

SR + (VSX-918V model only)
Switches the SR+ mode on/off.

iPod CTRL
Switches between the iPod controls and the receiver controls.

DISC (ENTER)
Use to enter commands for TV or DTV, and also use to select a disc in a multi-CD player.

9 INFO
Use to bring up information screens on a digital TV.

10 SHIFT
Press to access the 'boxed' commands (above the buttons) on the remote. These buttons are marked with an asterisk (*****) in this section.

11 Remote control LED
Lights when a command is sent from the remote control.

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

13 RECEIVER
Switches the remote to control the receiver (used to select the green commands above the number buttons (**SETUP**, etc)). Also use this button to set up surround sound.

14 TV CONTROL buttons
These buttons are dedicated to control the TV assigned to the **TV CTRL** button. Thus if you only have one TV to hook up to this system assign it to the **TV CTRL MULTI CONTROL** button. If you have two TVs, assign the main TV to the **TV CTRL**button.

⏻
Use to turn on/off the power of the TV.

INPUT SELECT
Use to select the TV input signal.

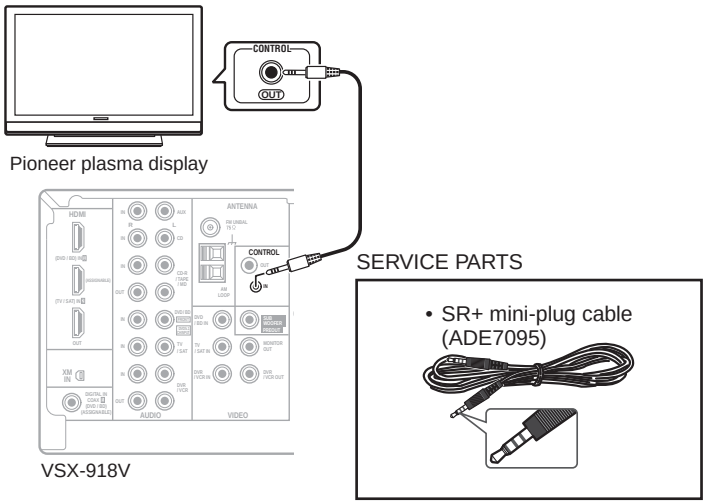
TV CH +/–
Use to select channels.

TV VOL +/–
Use to adjust the volume on your TV.

Using this receiver with a Pioneer flat panel TV

(VSX-918V model only)

If you have a Pioneer flat panel TV [1], you can use an SR+ cable to connect it to this unit and take advantage of various convenient features, such as automatic video input switching of the flat panel TV when the input is changed.



SERVICE PARTS

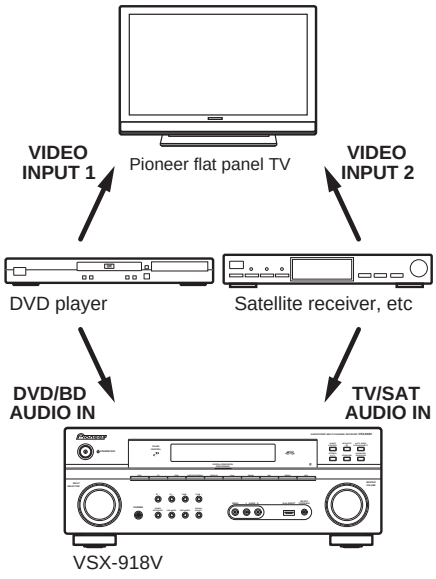
- SR+ mini-plug cable (ADE7095)

Note

1 This receiver is compatible with all Pioneer flat panel TVs from 2003 onward.

• Use a 3-ringed miniplug SR+ cable[1] to connect the CONTROL INjack of this receiver with the CONTROL OUT of your flat panel TV.

Before you can use the extra SR+ features, you need to make a few settings in the receiver.

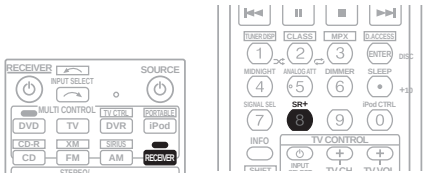


To make the most of the SR+ features, you should connect your source components (DVD player, etc.) in a slightly different way to that described in this chapter. For each component, connect the video output directly to the flat panel TV, and just connect the audio (analog and/or digital) to this receiver.

Using the SR+ mode with a Pioneer flat panel TV

When connected using an SR+ cable, a number of features become available to make using this receiver with your Pioneer flat panel TV even easier. These features include:

- On-screen volume display.
- On-screen display of listening mode.
- Automatic video input switching on the flat panel TV.
- Automatic volume muting on the flat panel TV.[2]



1 Make sure that the flat panel TV and this receiver are switched on and that they are connected with the SR+ cable.

2 To switch SR+ mode on/off, press RECEIVER, then the SR+ button.

The front panel display shows **SR+ ON** or **OFF**.

Note

1• The 3-ringed SR+ cable from Pioneer is commercially available under the part number ADE7095. Contact the Pioneer Customer Support division for more information on obtaining an SR+ cable (you can also use a commercially available 3-ringed mini phone plug for the connection).

• If you connect to a Pioneer flat panel TV using an SR+ cable, you will need to point the remote control at the flat panel TV remote sensor to control the receiver. In this case, you won't be able to control the receiver using the remote control if you switch the flat panel TV off.

2 The automatic volume muting feature is enabled separately.

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.	Procedure	Check points
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

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

Position to be cleaned	Cleaning tools
Fans	Cleaning paper : GED-008

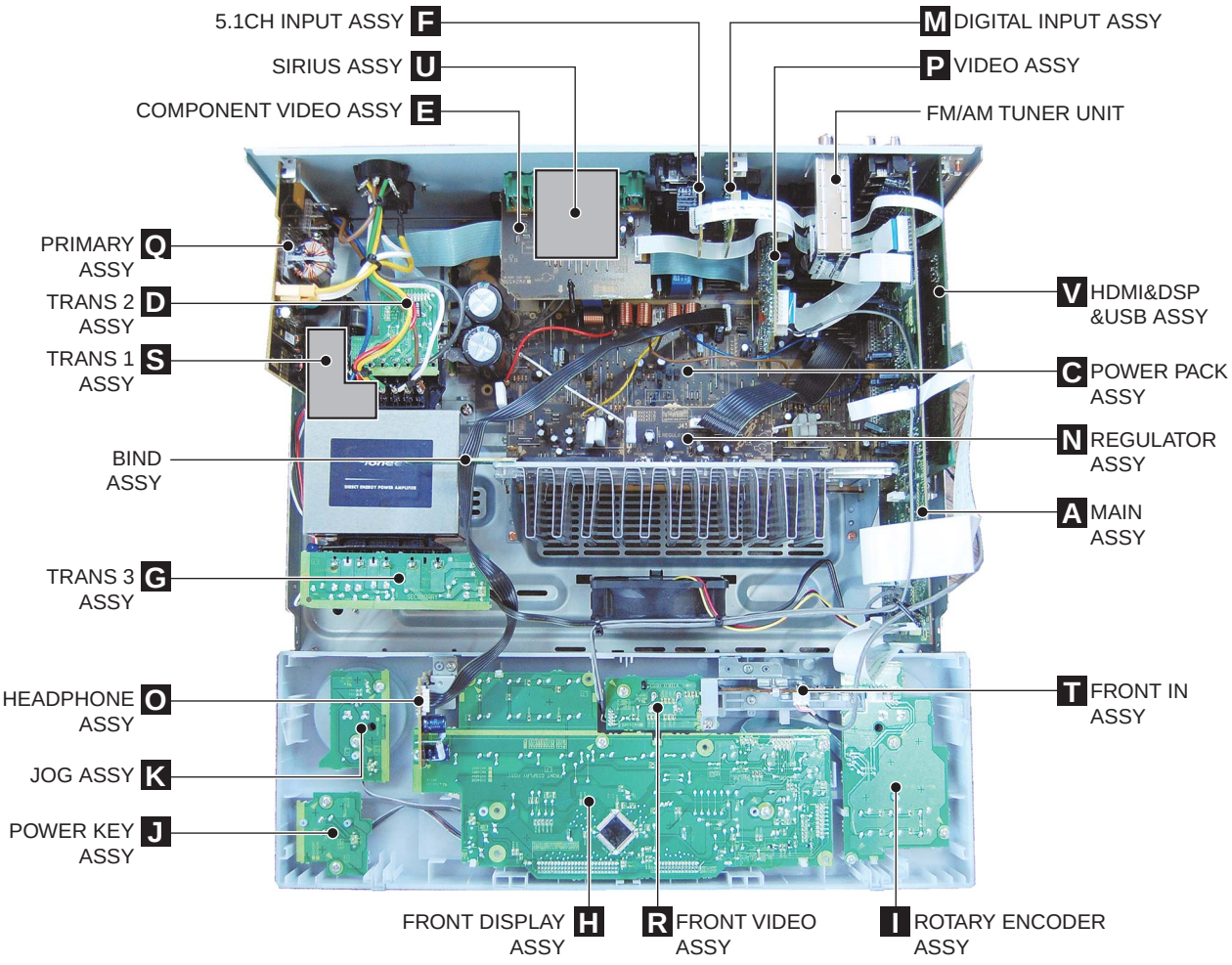
3.2 JIGS LIST

■ Jigs list

Name	Jig No.	Remarks
13P board to board extension jig cable	GGD1483	Diagonosis
21P board to board extension jig cable	GGD1485	Diagonosis

3.3 PCB LOCATIONS

VSX-918V

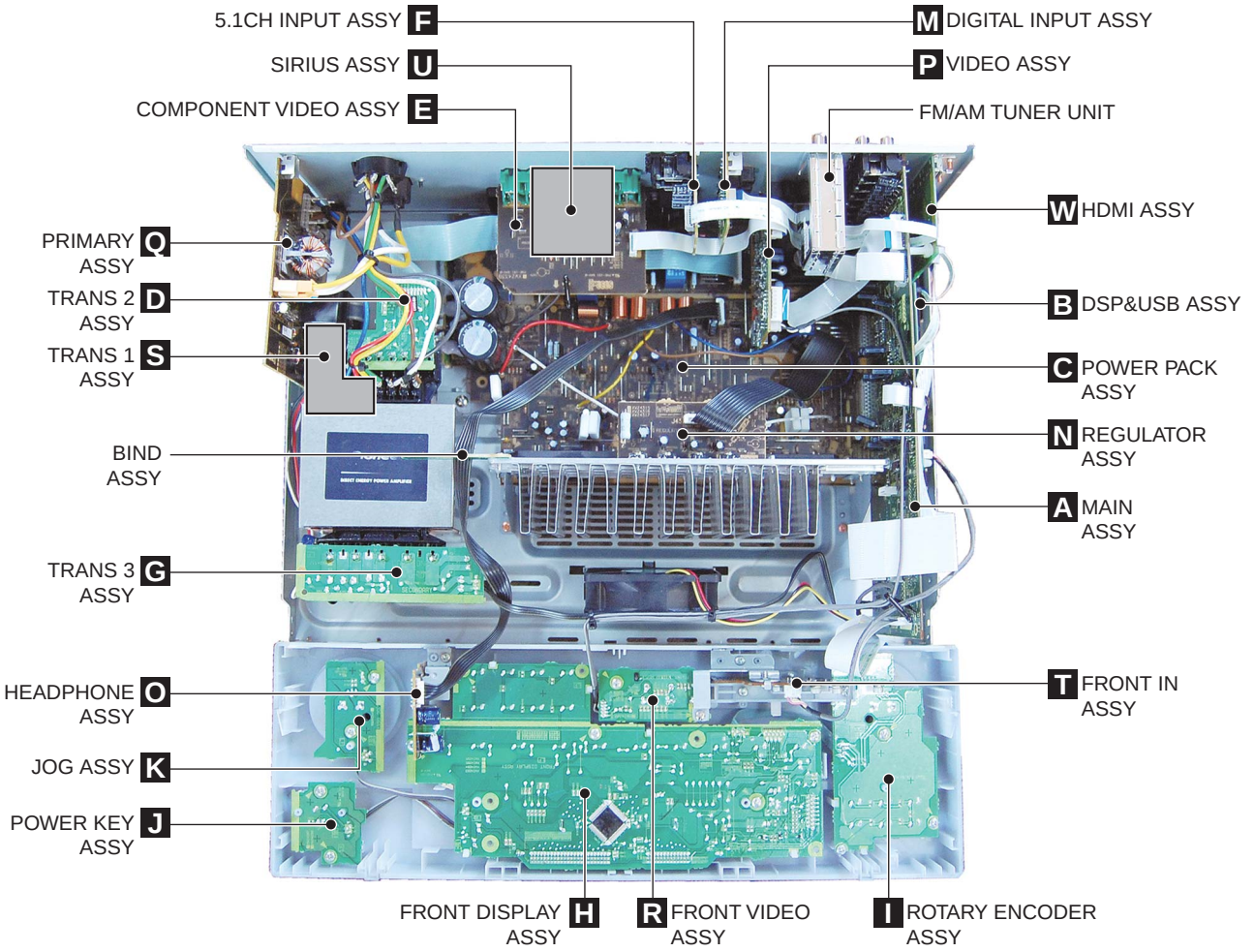


NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
	1	HDMI&DSP&USB ASSY	AWX9162
NSP	1	COMPLEX ASSY	XWK3340
	2	FRONT DISPLAY ASSY	XWZ4285
	2	ROTARY ENCODER ASSY	XWZ4286
	2	POWER KEY ASSY	XWZ4288
	2	JOG ASSY	XWZ4289
	2	VIDEO ASSY	XWZ4294
	2	DIGITAL INPUT ASSY	XWZ4299
	2	FRONT VIDEO ASSY	XWZ4300
	2	PRIMARY ASSY	XWZ4305
	2	REGULATOR ASSY	XWZ4316
	2	TRANS 1 ASSY	XWZ4320
	2	HEADPHONE ASSY	XWZ4321
NSP	1	AMP ASSY	XWK3348
	2	POWER PACK ASSY	XWZ4325
	2	TRANS 2 ASSY	XWZ4335
	2	TRANS 3 ASSY	XWZ4337
	2	COMPONENT VIDEO ASSY	XWZ4339
	2	5.1CH INPUT ASSY	XWZ4341
	2	SIRIUS ASSY	XWZ4343
	2	BIND ASSY	XWZ4344
	1	MAIN ASSY	XWK3362
	1	FRONT IN ASSY	XWK3366
	1	FM/AM TUNER UNIT	AXX7210

VSX-818V



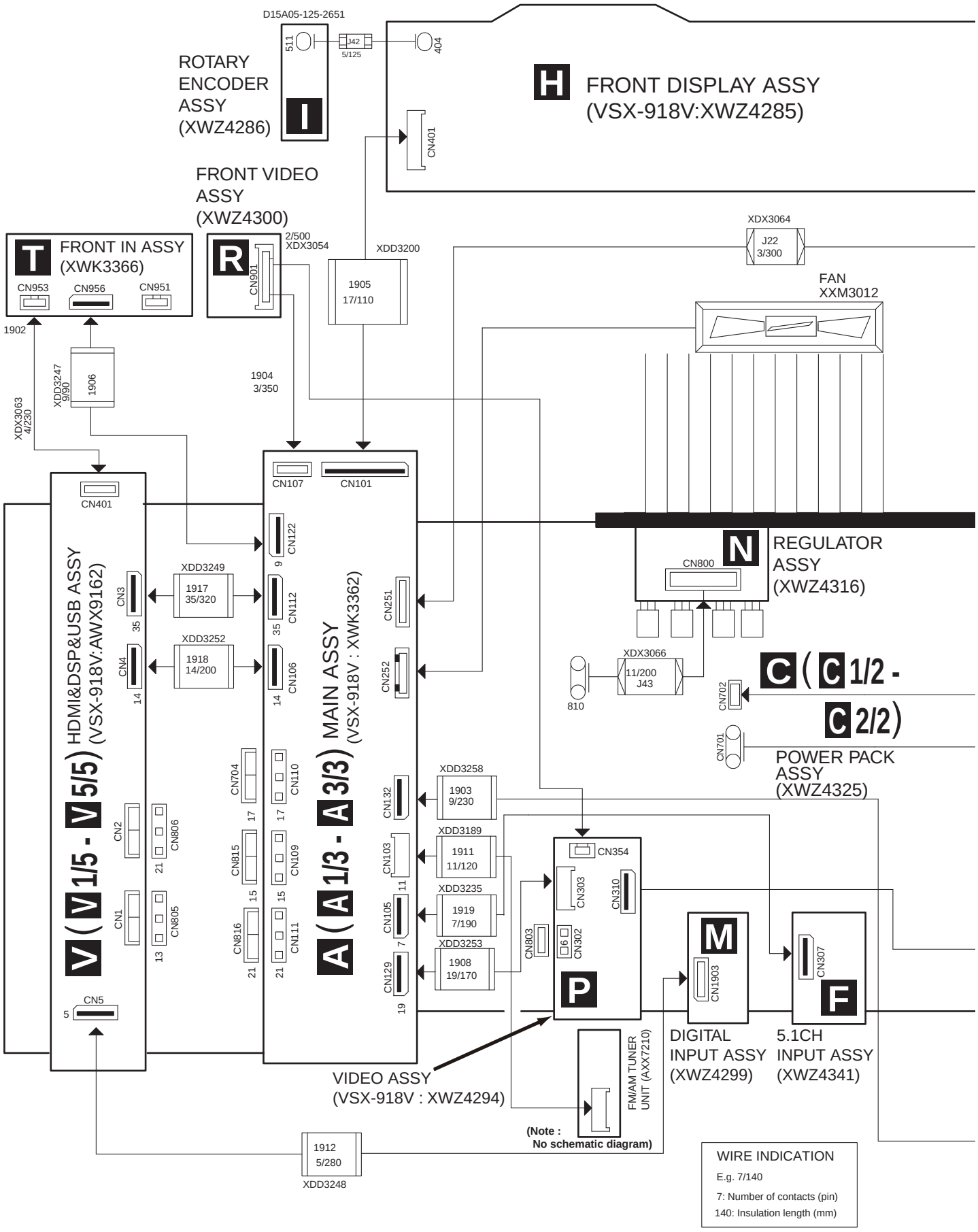
NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

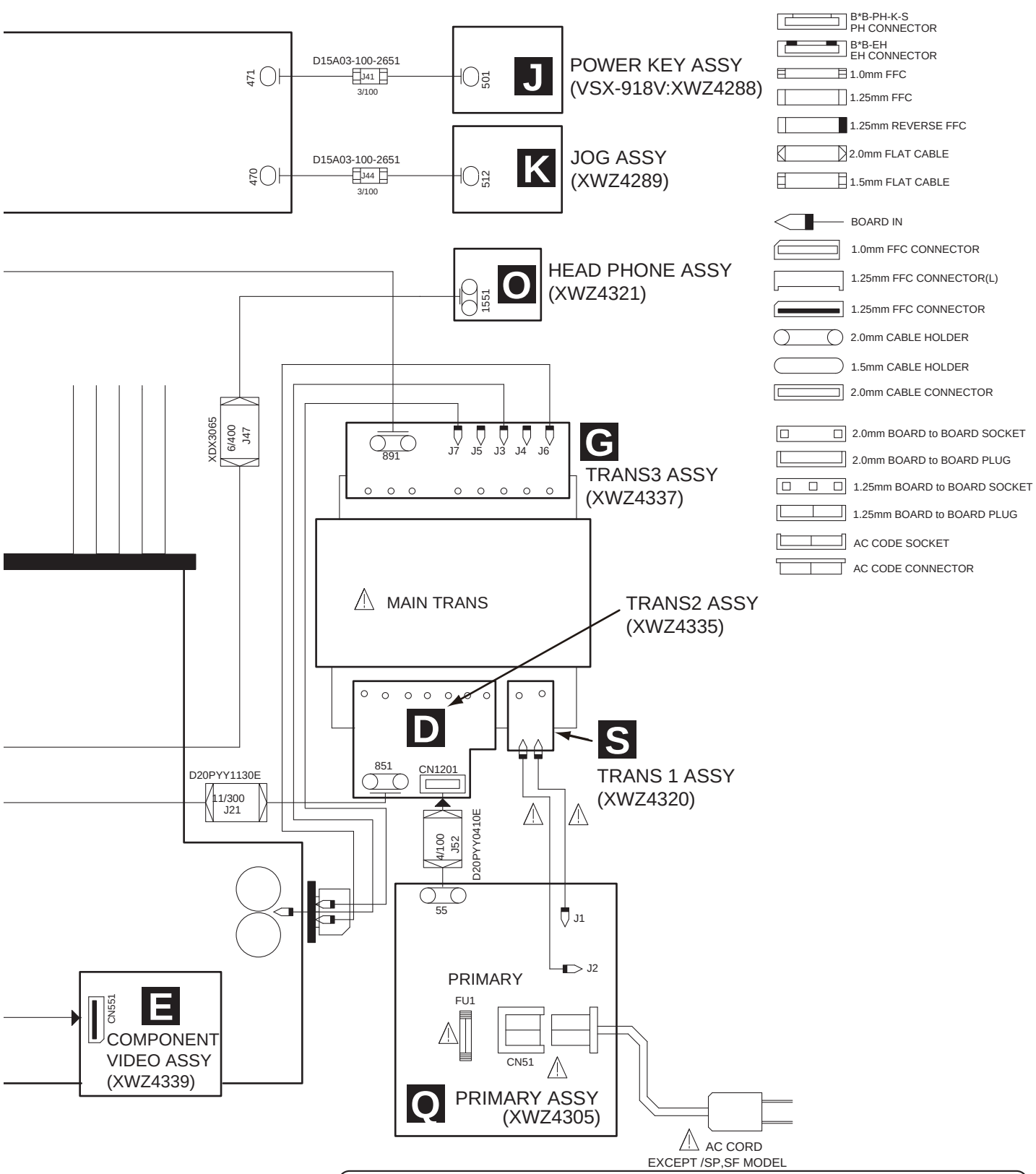
LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
	1	HDMI ASSY	AWX8966
	1	DSP&USB ASSY	AWX9163
NSP	1	COMPLEX ASSY	XWK3335
	2	FRONT DISPLAY ASSY	XWZ4284
	2	ROTARY ENCODER ASSY	XWZ4286
	2	POWER KEY ASSY	XWZ4287
	2	JOG ASSY	XWZ4289
	2	VIDEO ASSY	XWZ4292
	2	DIGITAL INPUT ASSY	XWZ4299
	2	FRONT VIDEO ASSY	XWZ4300
	2	PRIMARY ASSY	XWZ4305
	2	REGULATOR ASSY	XWZ4316
	2	TRANS 1 ASSY	XWZ4320
	2	HEADPHONE ASSY	XWZ4321
NSP	1	AMP ASSY	XWK3348
	2	POWER PACK ASSY	XWZ4325
	2	TRANS 2 ASSY	XWZ4335
	2	TRANS 3 ASSY	XWZ4337
	2	COMPONENT VIDEO ASSY	XWZ4339
	2	5.1CH INPUT ASSY	XWZ4341
	2	SIRIUS ASSY	XWZ4343
	2	BIND ASSY	XWZ4344
	1	MAIN ASSY	XWK3358
	1	FRONT IN ASSY	XWK3366
	1	FM/AM TUNER UNIT	AXX7210

4. BLOCK BIAGRAM

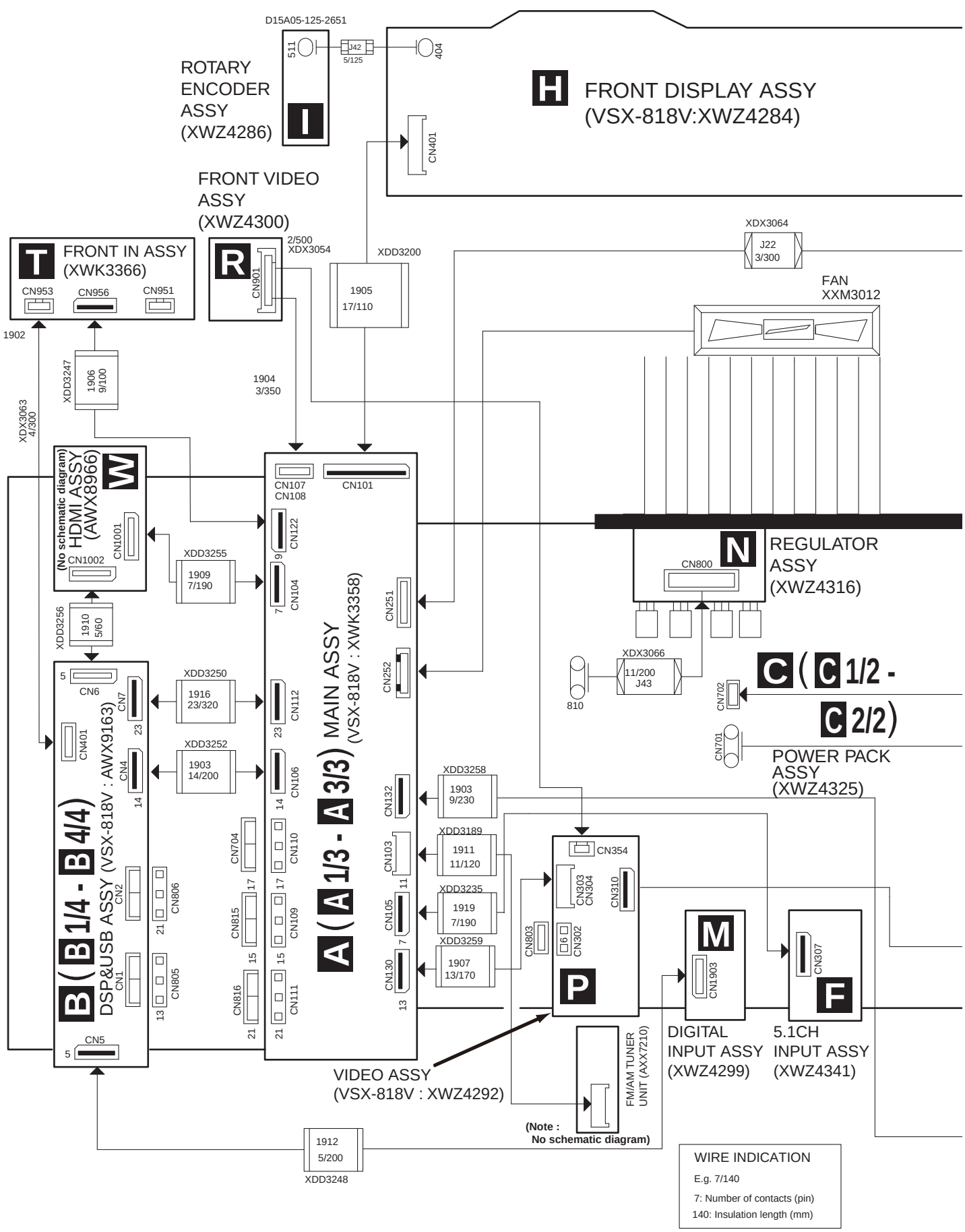
4.1 OVERALL WIRING CONNECTION DIAGRAM (VSX-918V)

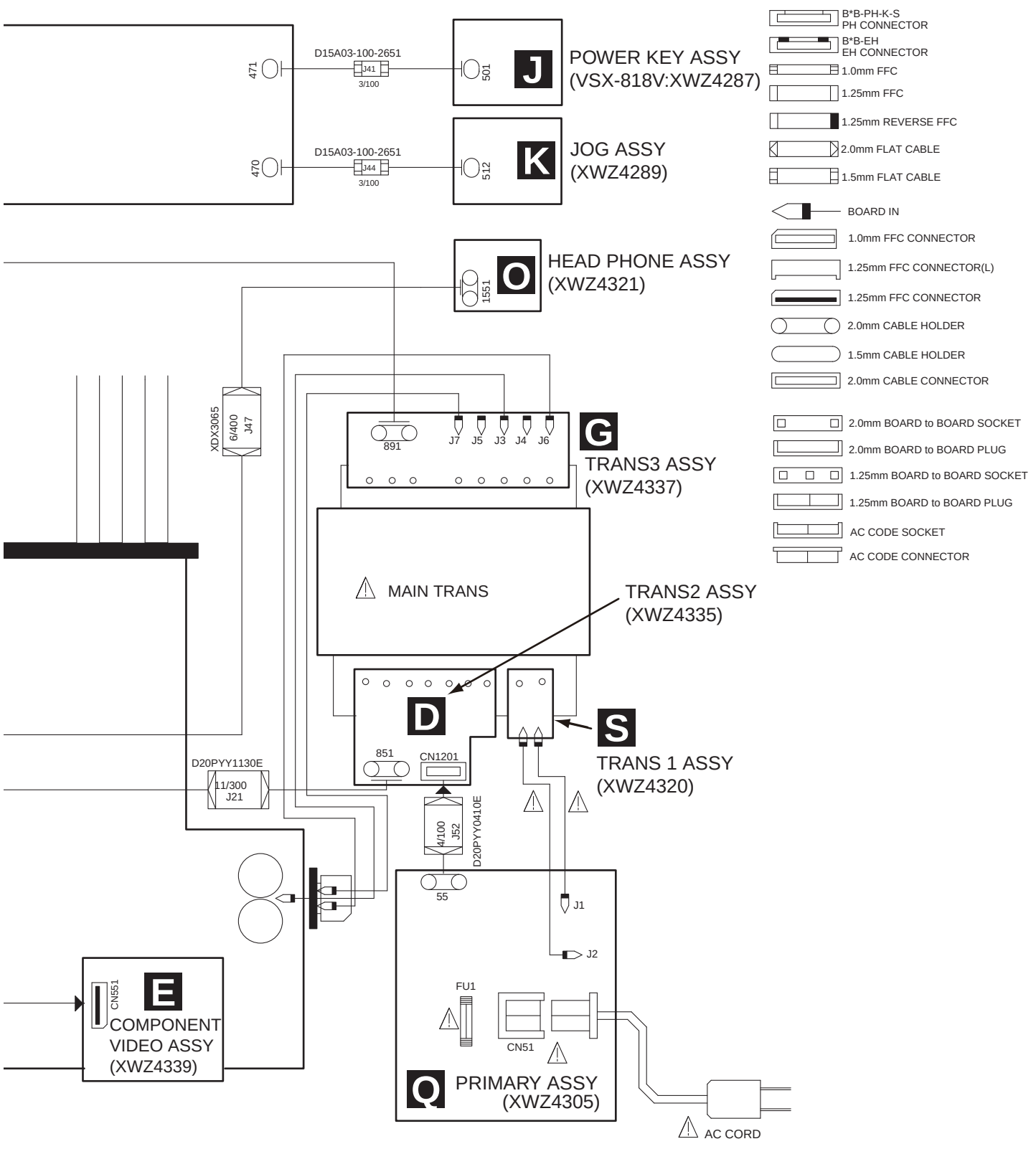




- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- : The power supply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

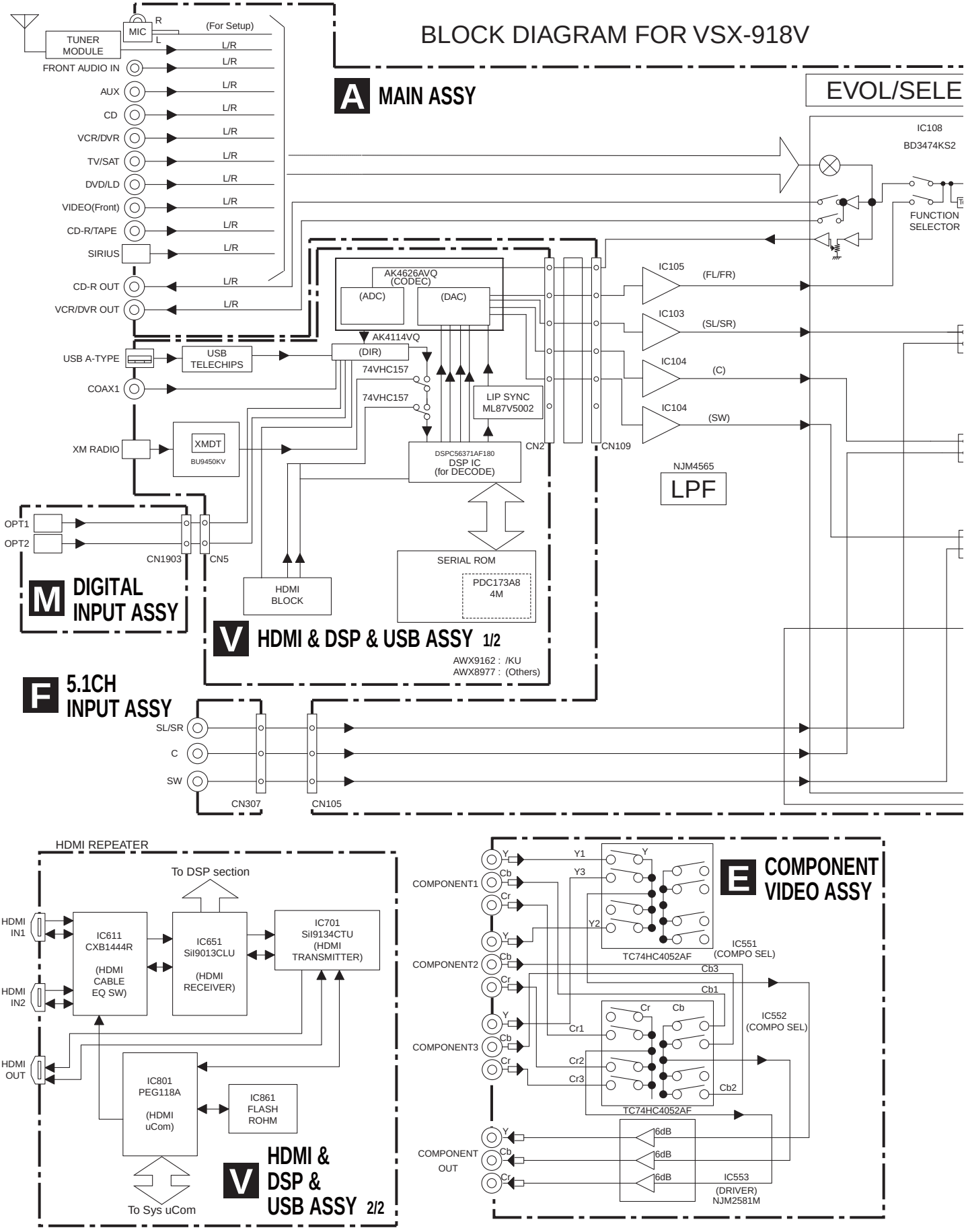
4.2 OVERALL WIRING CONNECTION DIAGRAM (VSX-818V)

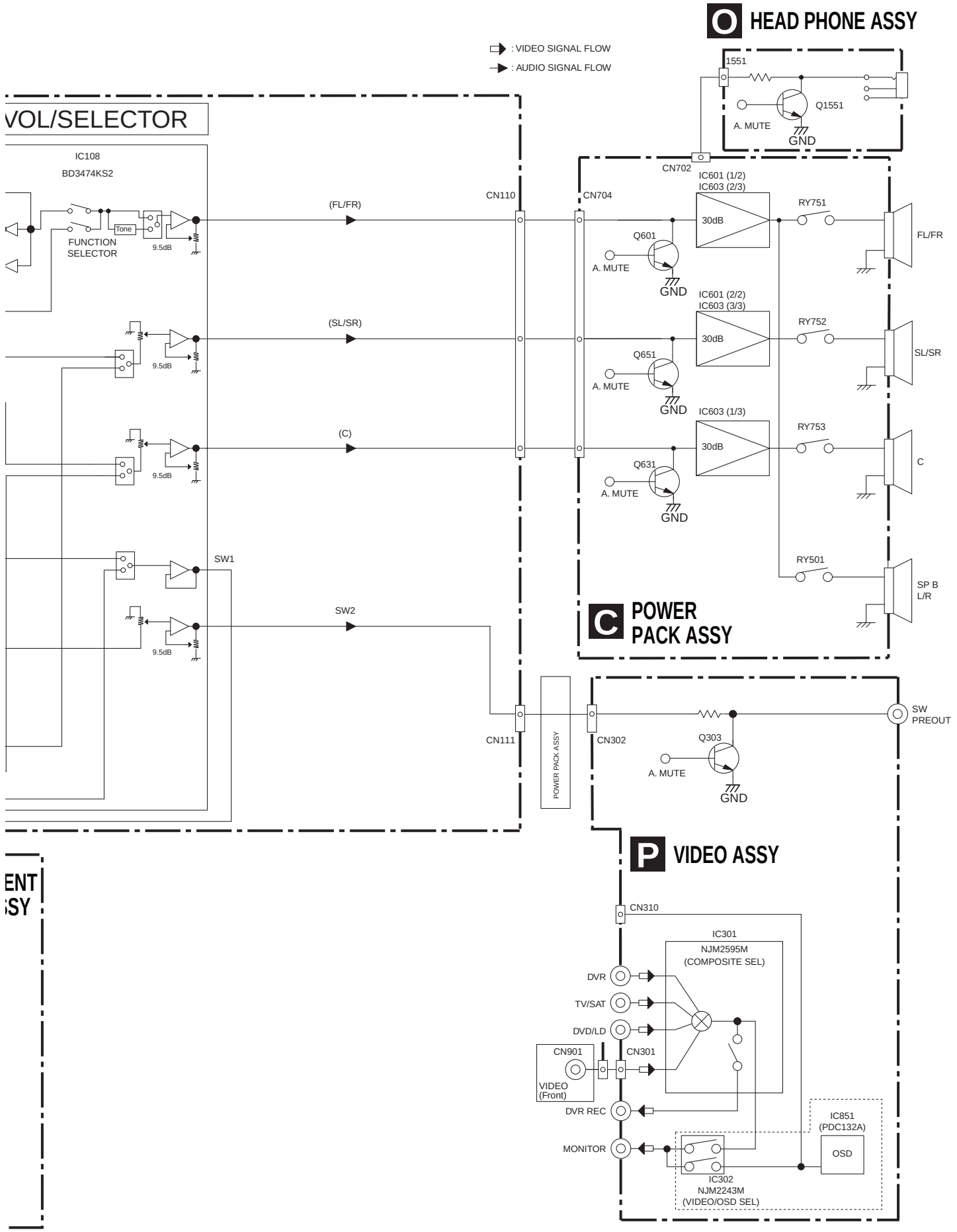




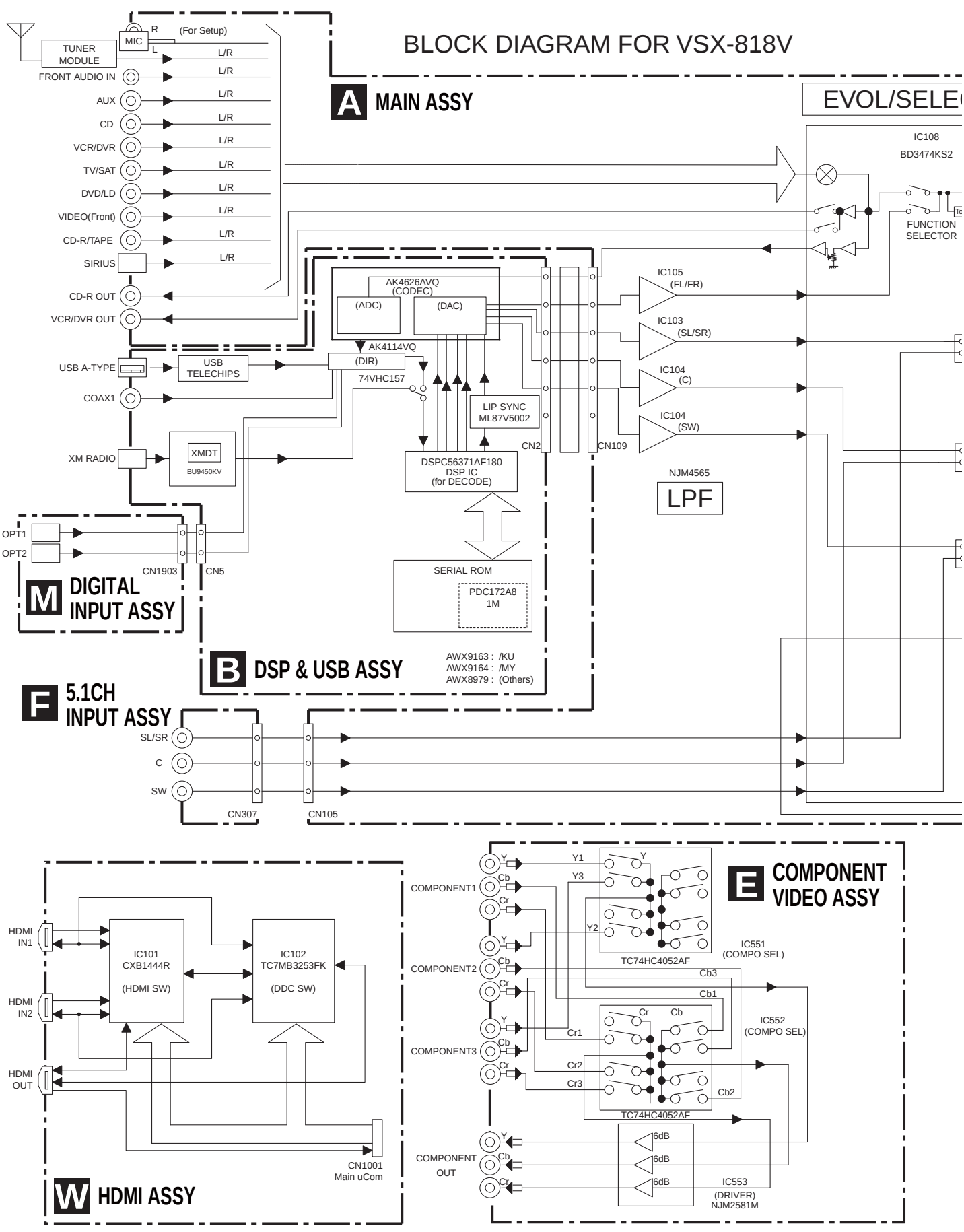
- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- : The power supply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

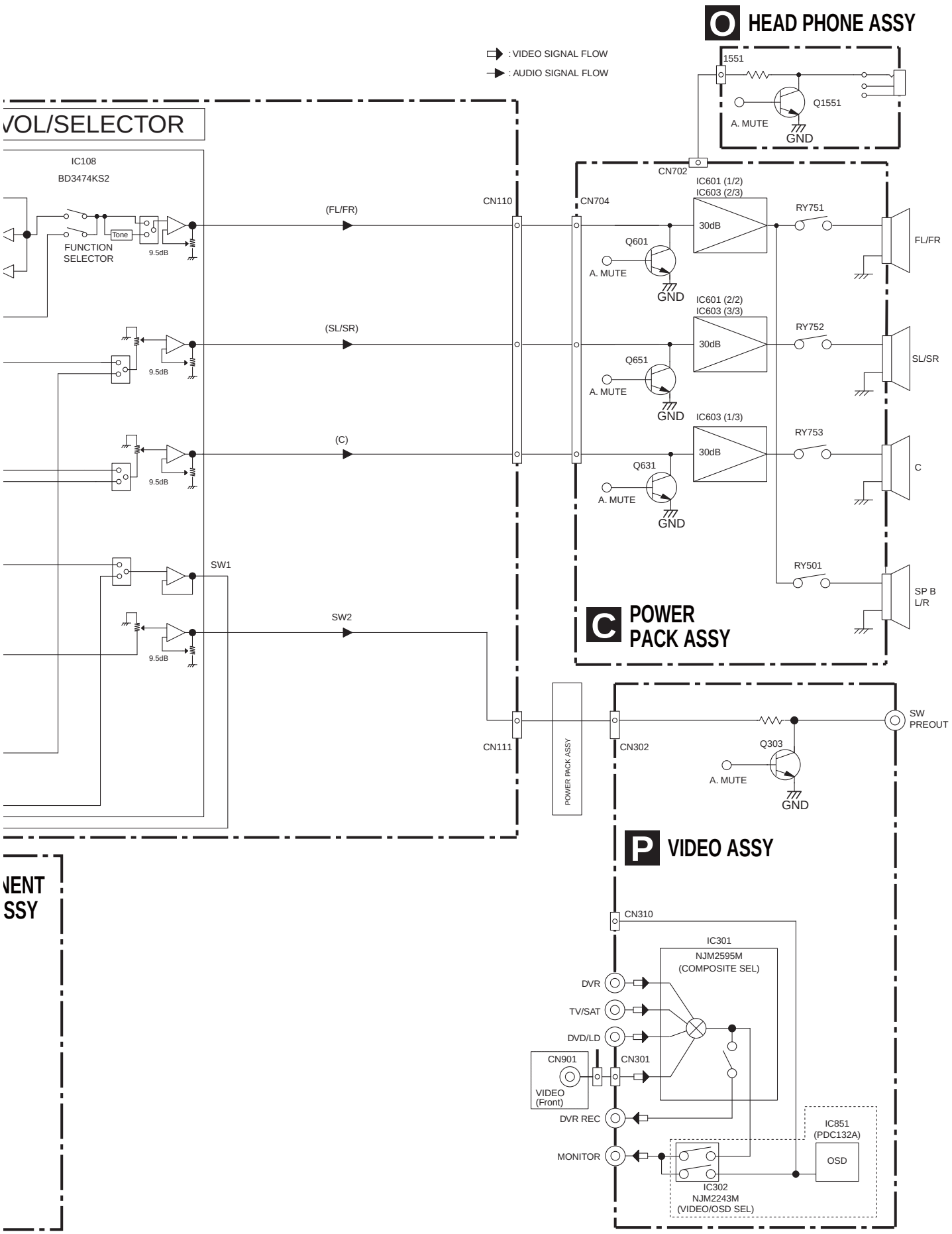
4.3 BLOCK DIAGRAM (VSX-918V)




O HEAD PHONE ASSY
: VIDEO SIGNAL FLOW
: AUDIO SIGNAL FLOW
VOL/SELECTOR
IC108
BD3474KS2
FUNCTION SELECTOR
Tone
9.5dB
(FL/FR)
(SL/SR)
(C)
SW1
SW2
CN110
CN111
CN702
CN704
1551
Q1551
A. MUTE
GND
IC601 (1/2)
IC603 (2/3)
IC601 (2/2)
IC603 (3/3)
IC603 (1/3)
30dB
Q601
Q651
Q631
RY751
RY752
RY753
RY501
FL/FR
SL/SR
C
SP B L/R
C POWER PACK ASSY
POWER PACK ASSY
CN302
Q303
SW PREOUT
P VIDEO ASSY
CN310
IC301
NJM2595M
(COMPOSITE SEL)
DVR
TV/SAT
DVD/LD
CN901
CN301
VIDEO (Front)
DVR REC
MONITOR
IC851
(PDC132A)
OSD
IC302
NJM2243M
(VIDEO/OSD SEL)

4.4 BLOCK DIAGRAM (VSX-818V)



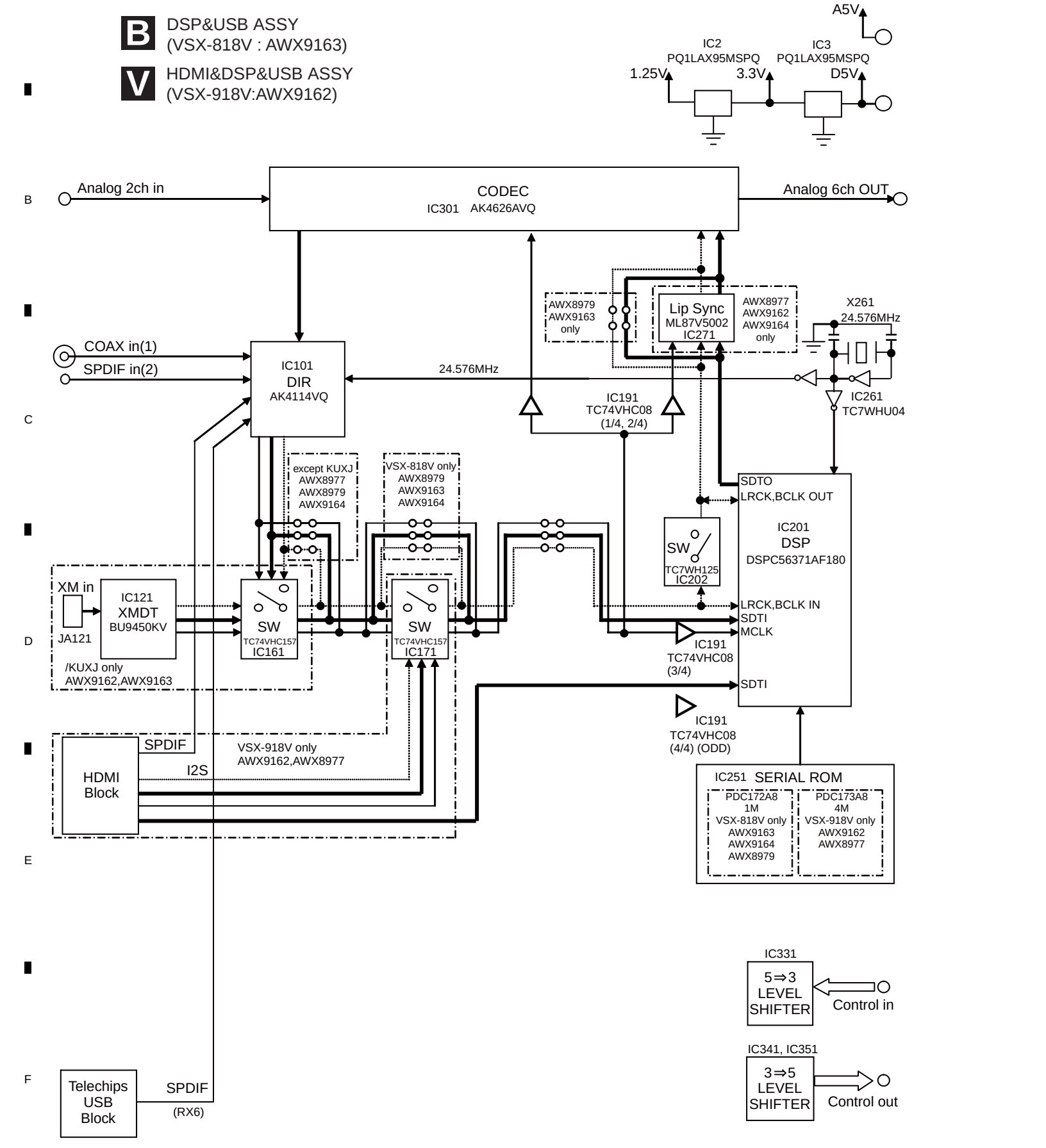

O HEAD PHONE ASSY
: VIDEO SIGNAL FLOW
: AUDIO SIGNAL FLOW
1551
Q1551
A. MUTE
GND
CN702
VOL/SELECTOR
IC108
BD3474KS2
FUNCTION SELECTOR
Tone
9.5dB
(FL/FR)
(SL/SR)
(C)
SW1
SW2
CN110
CN704
IC601 (1/2)
IC603 (2/3)
30dB
RY751
FL/FR
Q601
IC601 (2/2)
IC603 (3/3)
RY752
SL/SR
Q651
IC603 (1/3)
RY753
C
Q631
RY501
SP B L/R
C POWER PACK ASSY
CN111
POWER PACK ASSY
CN302
SW PREOUT
Q303
P VIDEO ASSY
CN310
IC301
NJM2595M
(COMPOSITE SEL)
DVR
TV/SAT
DVD/LD
CN901
CN301
VIDEO (Front)
DVR REC
MONITOR
IC851
(PDC132A)
OSD
IC302
NJM2243M
(VIDEO/OSD SEL)

4.5 DSP BLOCK DIAGRAM

Block Diagram (DSP portion)

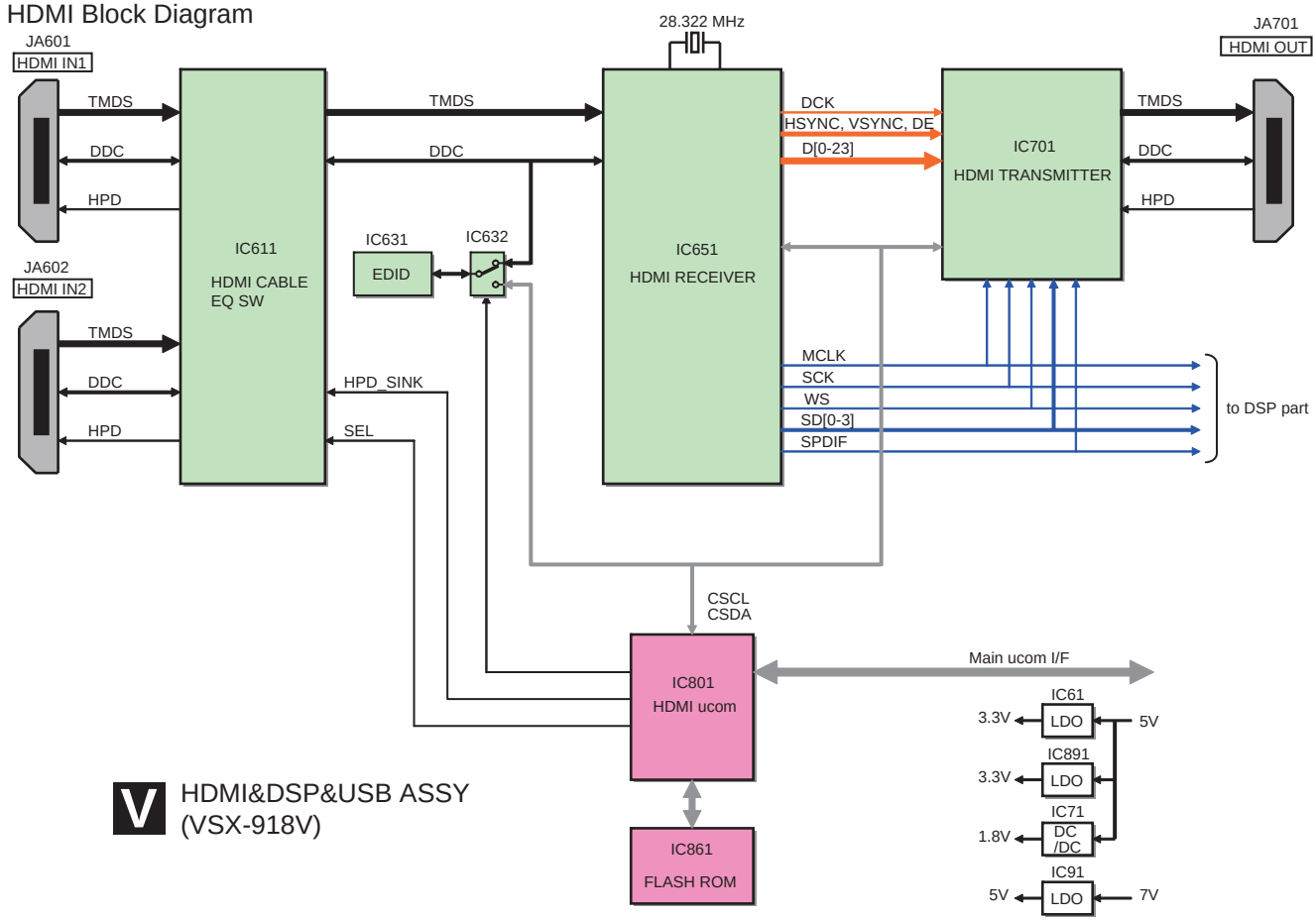
B DSP&USB ASSY
(VSX-818V : AWX9163)

V HDMI&DSP&USB ASSY
(VSX-918V:AWX9162)



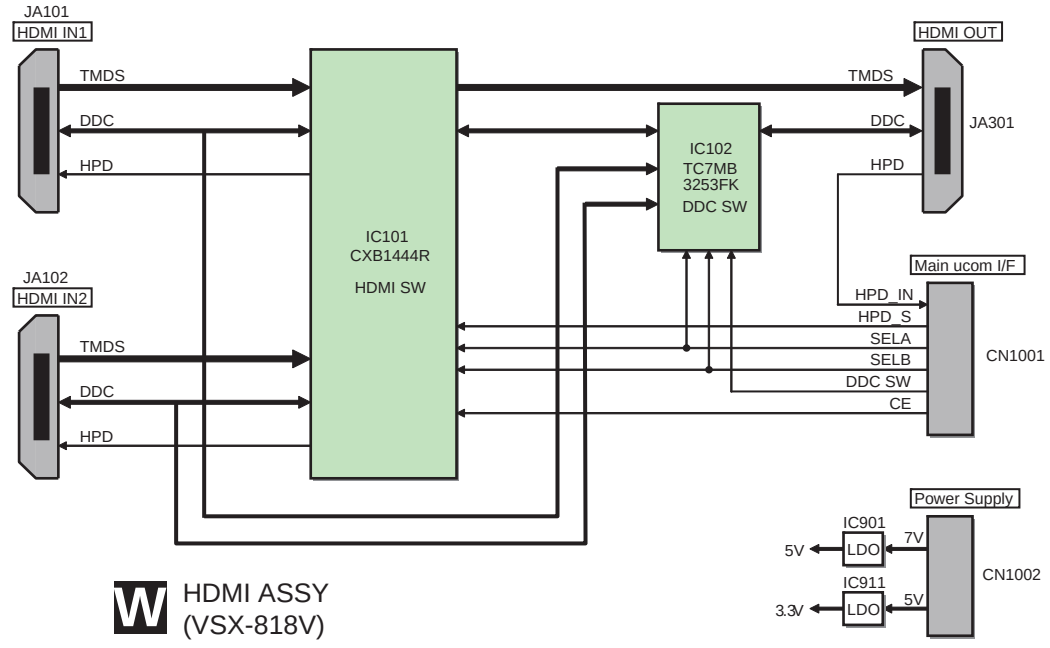
4.6 HDMI BLOCK DIAGRAM

VSX-918V HDMI&DSP&USB ASSY
HDMI Block Diagram



V HDMI&DSP&USB ASSY
(VSX-918V)

VSX-818V HDMI ASSY(Pass through SW) Block Diagram



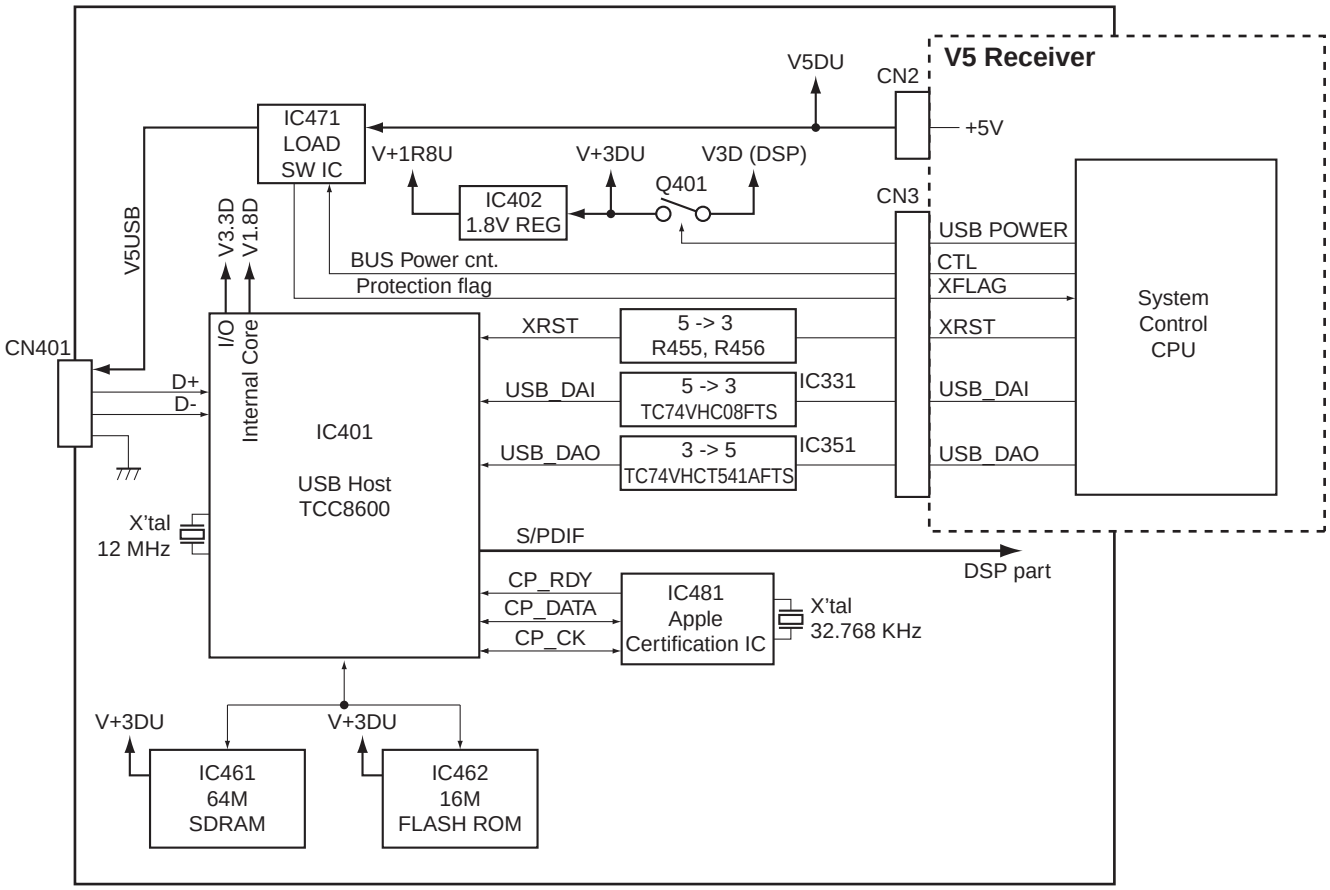
W HDMI ASSY
(VSX-818V)

4.7 USB (iPod) BLOCK DIAGRAM

Block Diagram (USB portion)

B DSP&USB ASSY
(VSX-818V : AWX9163)

V HDMI&DSP&USB ASSY
(VSX-918V:AWX9162)



5. DIAGNOSIS

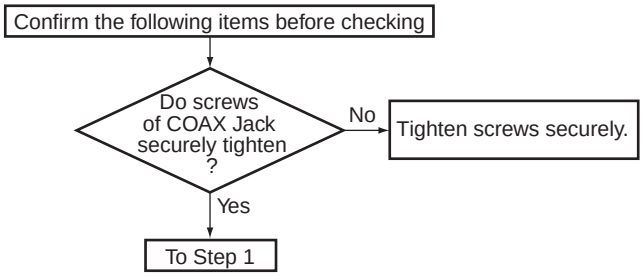
5.1 DIAGNOSIS FLOWCHART

[1] DSP TROUBLESHOOTING

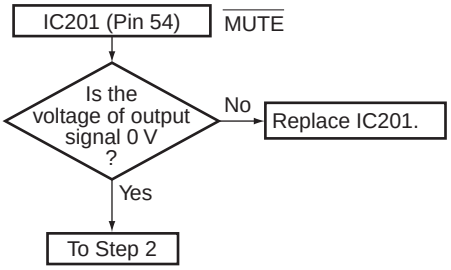
■ Troubleshooting for all destination

- When a sound is not out in the multi-CH signal playback mode or surround mode with the COAX, OPT, USB or HDMI input. (SurroundBack is not output by setting.)
- Suppose CR to be normal contact and that is not damaged.
- This shows failure analysis of DSP Block.

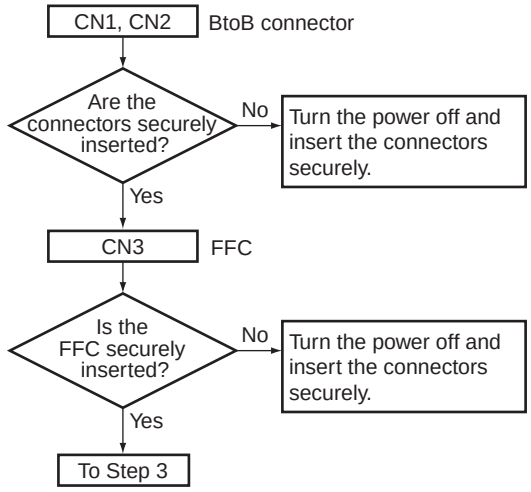
Step 0: Preliminary confirmation



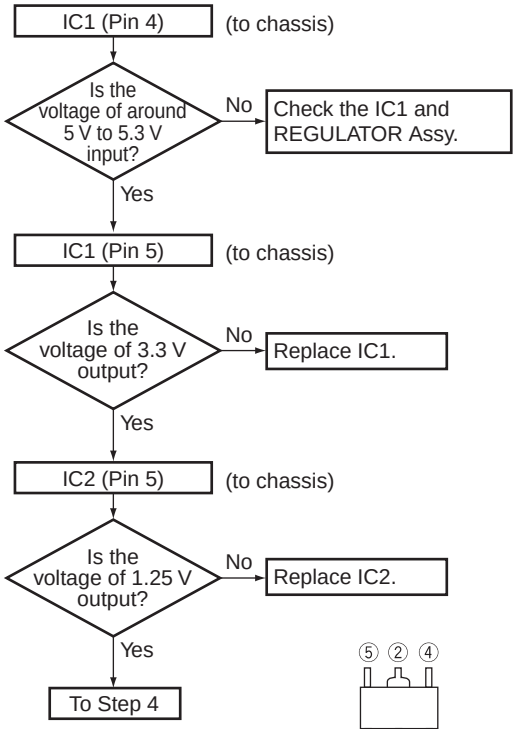
Step 1: MUTE pin



Step 2: BtoB connector and FFC

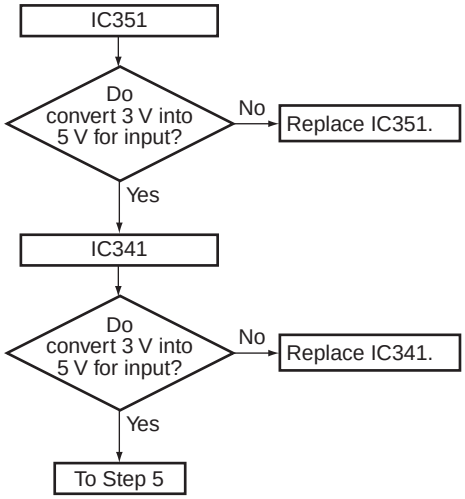


Step 3: Regulator IC

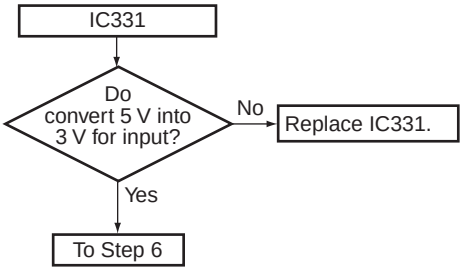


Part shape and Pin arrangement of IC1 and IC2

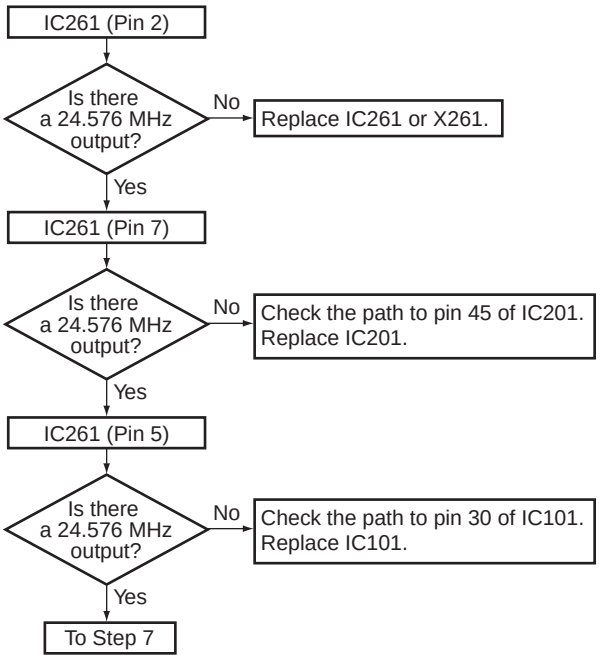
Step 4: 3 V to 5 V conversion



Step 5: 5 V to 3 V conversion



Step 6: X'tal

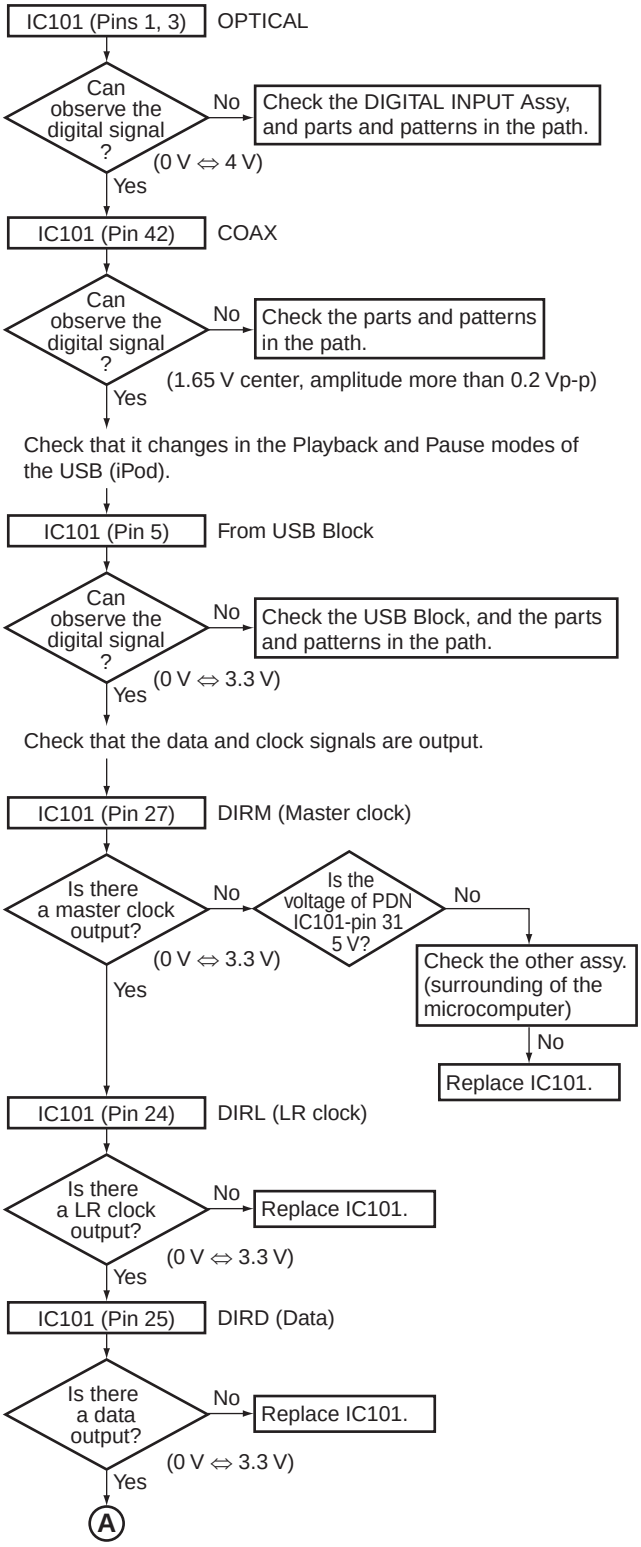


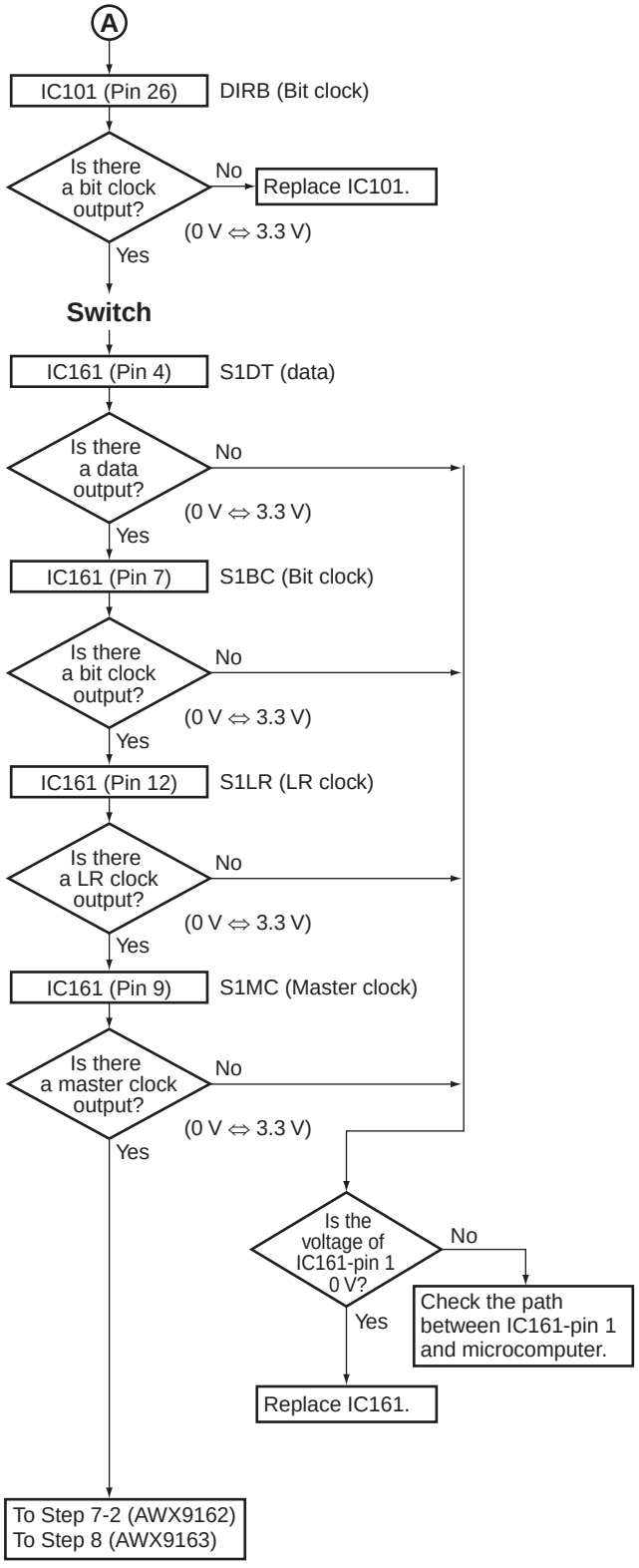
Step 7

When the COAX, OPT or USB is input, go to Step 7-1.
When the HDMI is input, go to Step 7-2.

Step 7-1: DIR

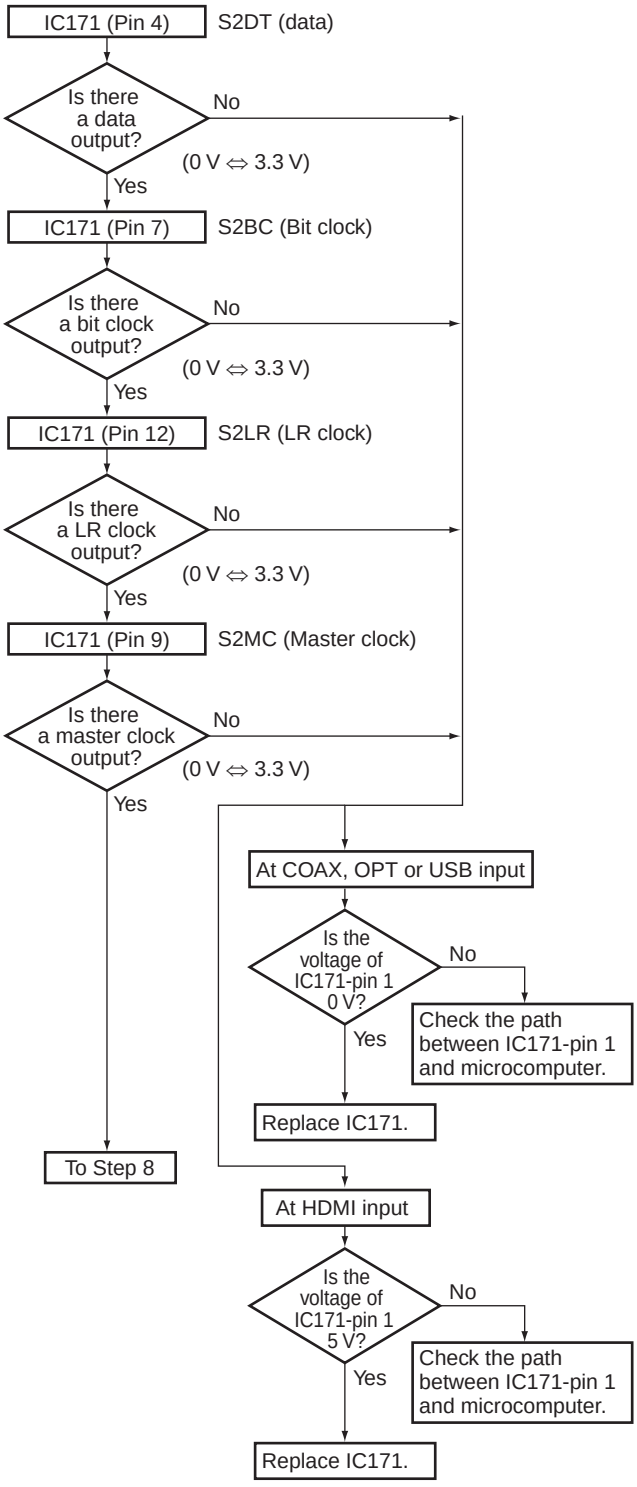
Check that the S/PDIF signal is output.
Check that changes by pulling out and inserting the digital input lines.





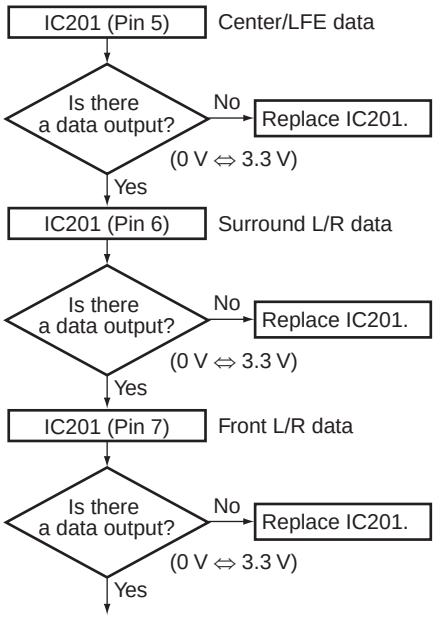
Step 7-2 (AWX9162 only)

Check that the data and clock signals are output.

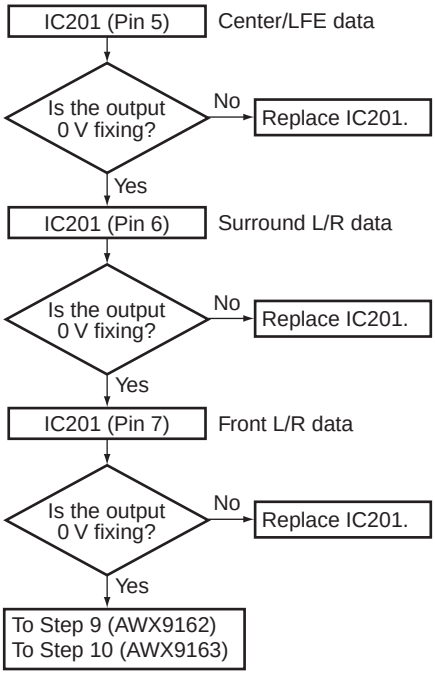


Step 8: DSP output (digital)

Digital output of each CH when inputting the digital signal with audio.

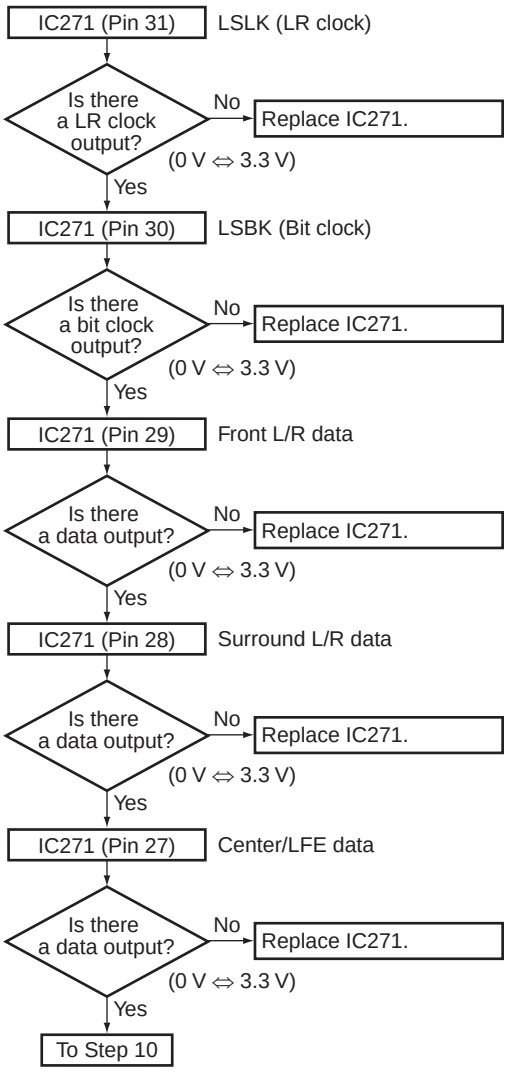


Digital output of each CH when inputting the digital signal (-∞ dB (no audio)).



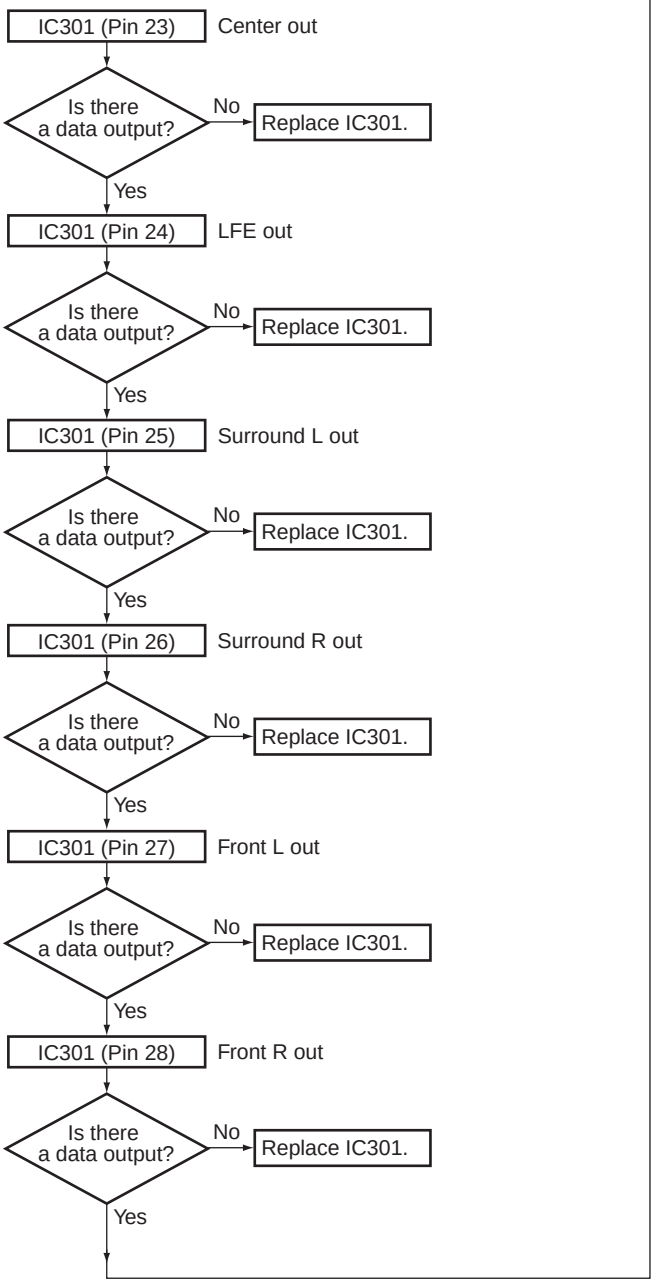
Step 9: LIPSYNC output (Digital) (AWX9162 only)

Check that the data and clock signals are output.

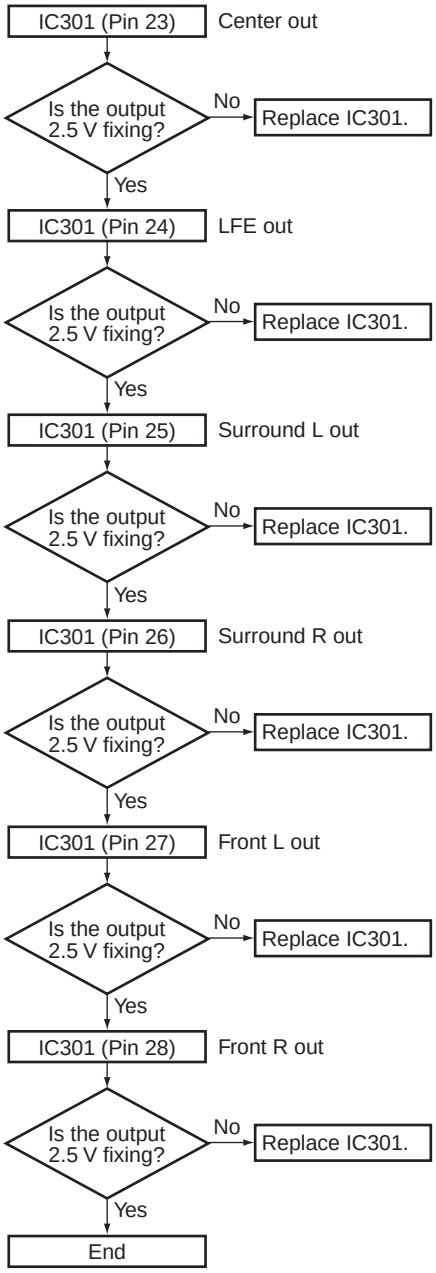


Step 10: Codec output (analog)

Analog output of each CH when inputting the digital signal with audio.



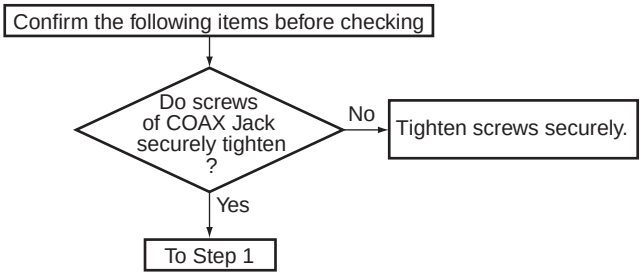
Analog output of each CH when inputting the digital signal (-∞ dB (no audio)).



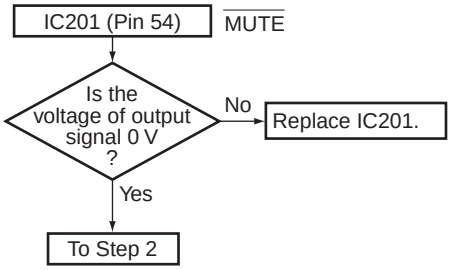
■ Troubleshooting in the XM mode

- When a sound is not output in the XM antenna input. (SurroundBack is not output by setting.)
- Suppose CR to be normal contact and that is not damaged.
- This shows failure analysis of DSP Block.

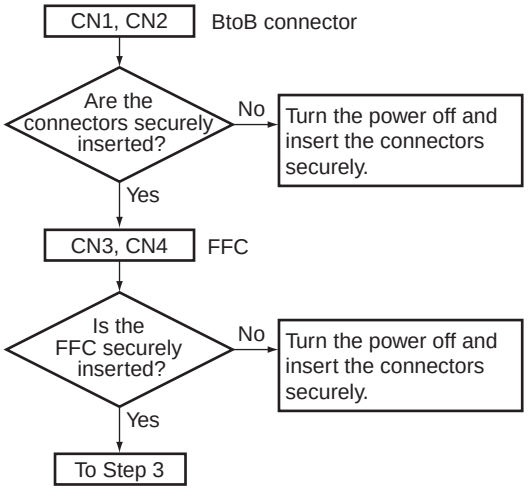
Step 0: Preliminary confirmation



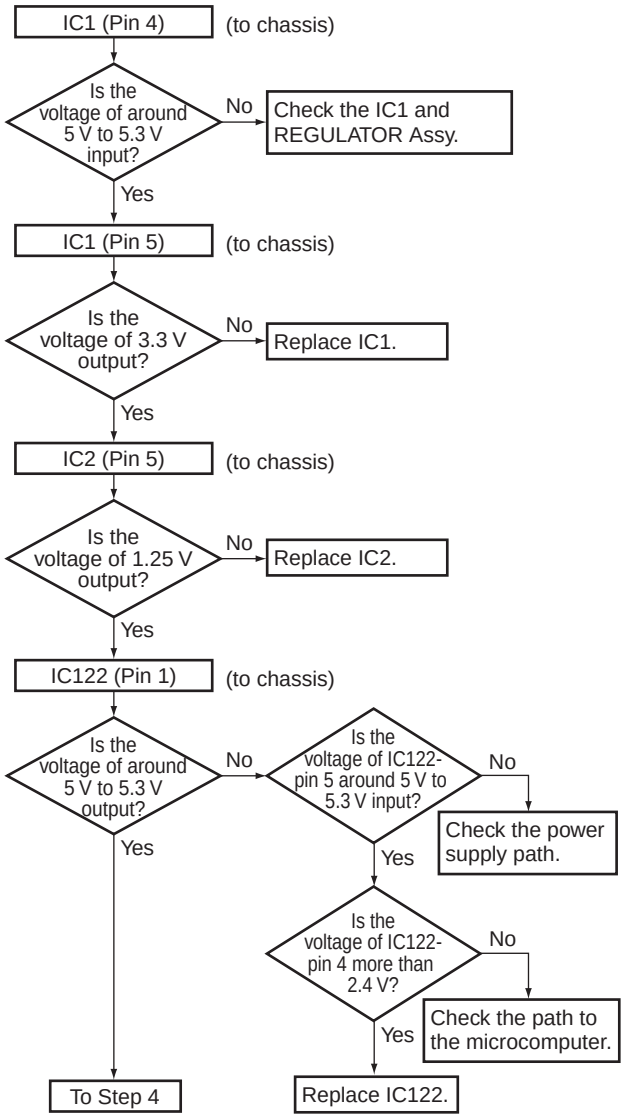
Step 1: MUTE pin

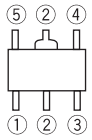


Step 2: BtoB connector and FFC



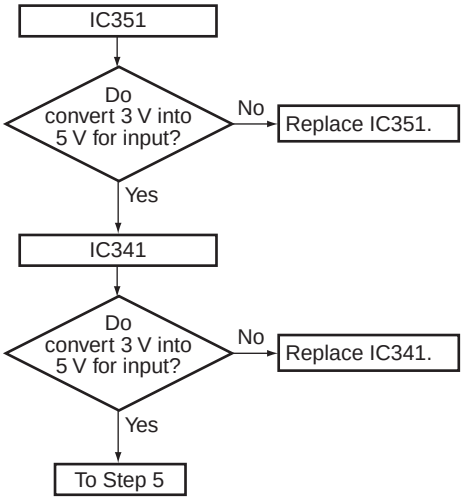
Step 3: Regulator IC



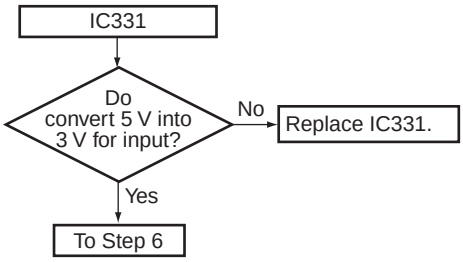


Part shape and Pin arrangement of IC1 and IC2

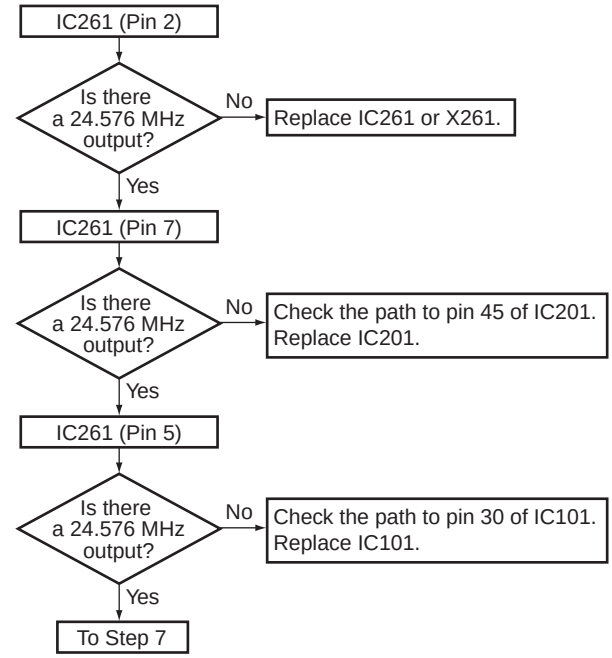
Step 4: 3 V to 5 V conversion



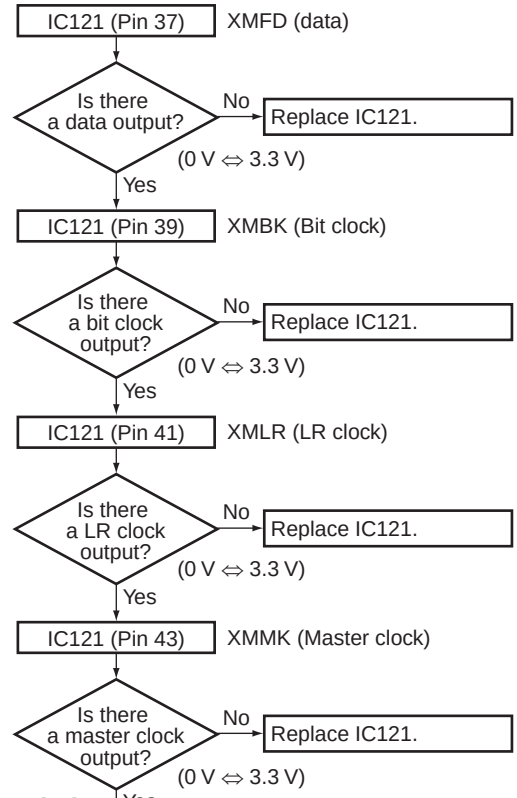
Step 5: 5 V to 3 V conversion



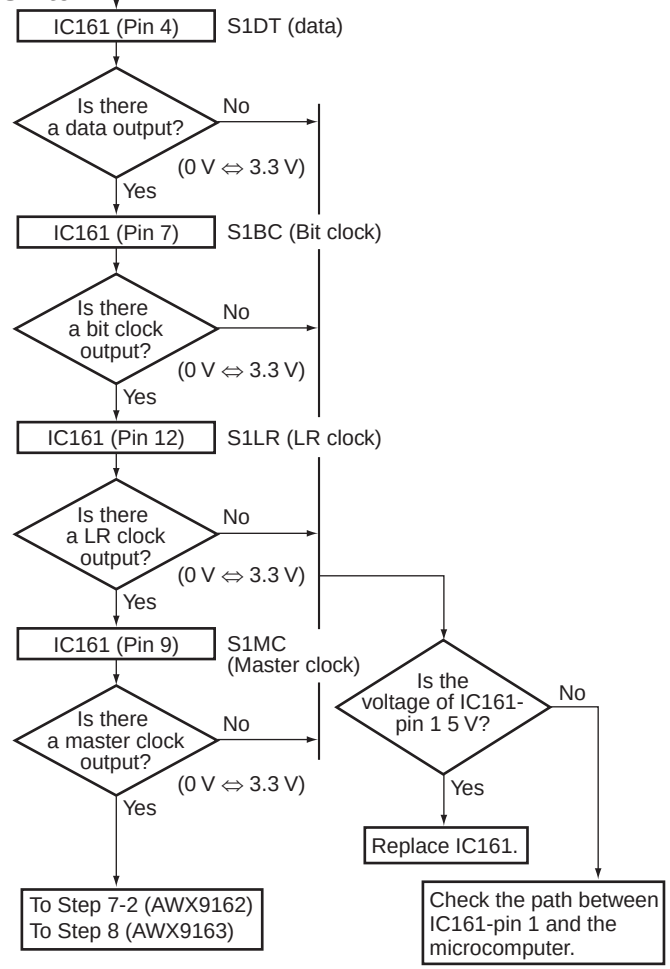
Step 6: X'tal



Step 7-1: XM/DT

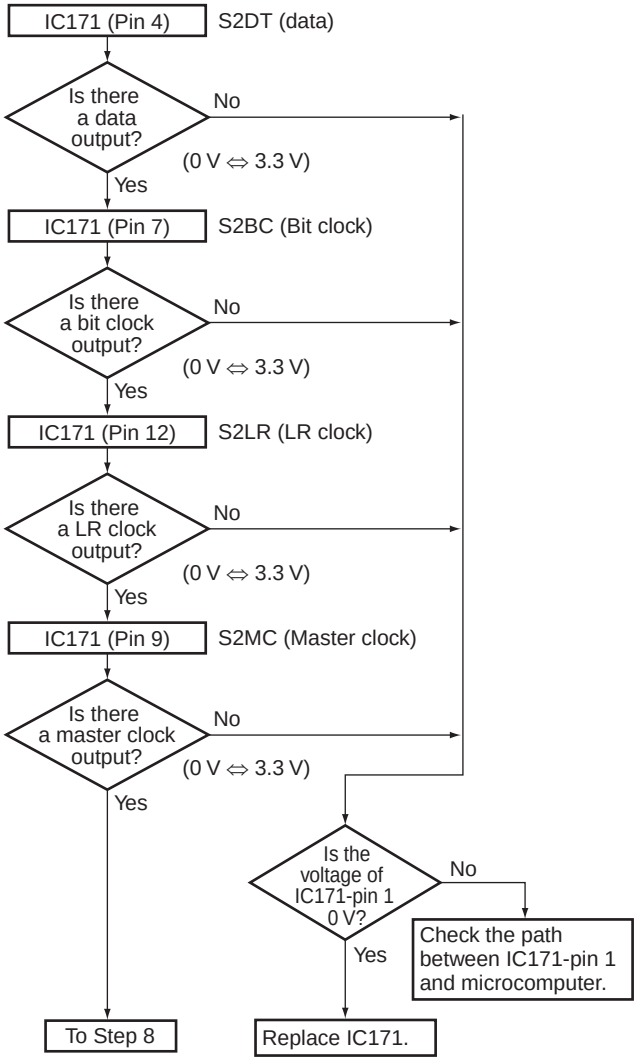


Switch



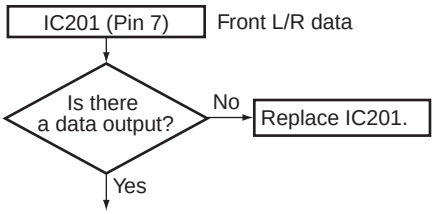
Step 7-2 (AWX9162 only)

Check that the data and clock signals are output.

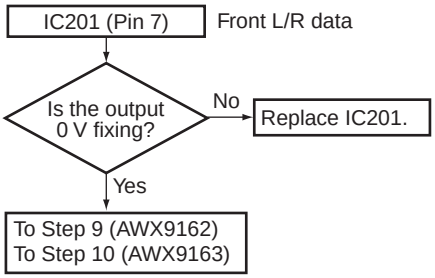


Step 8: DSP output (digital)

Digital output of each CH when receiving the broadcast signal with audio.



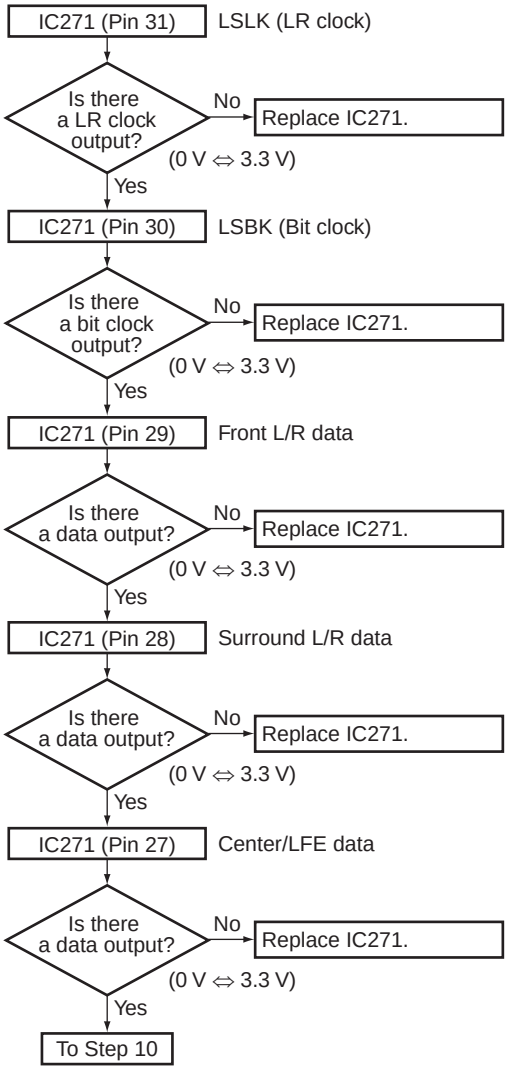
Digital output of each CH when not receiving the broadcast signal (-∞ dB (no audio)).



Note:
When confirm the output in the XM surround system, refer to step 8 of "Troubleshooting for all destination".

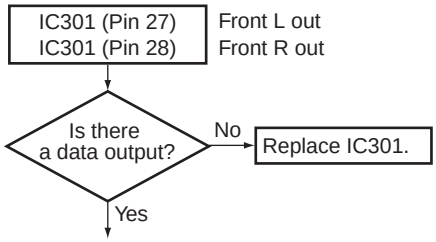
Step 9: LIPSYNC output (Digital) (AWX9162 only)

Check that the data and clock signals are output.

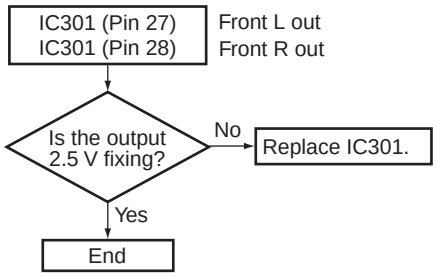


Step 10: Codec output (analog)

Analog output of each CH when inputting the broadcast signal with audio.



Analog output of each CH when not receiving the broadcast signal (-∞ dB (no audio)).

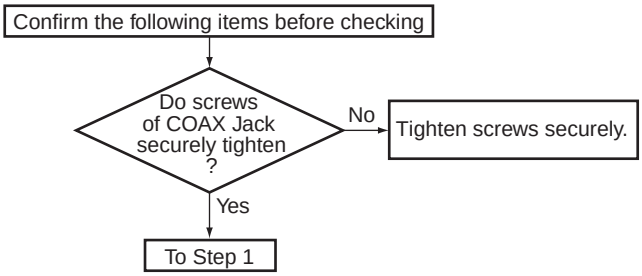


Note:
When confirm the output in the XM surround system, refer to step 10 of "Troubleshooting for all destination".

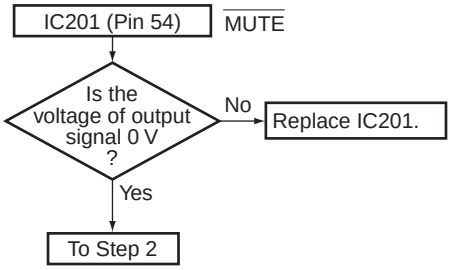
■ Troubleshooting in the MCACC mode

- When the MCACC mode is turned on (SurroundBack is not output by setting.)
- Suppose CR to be normal contact and that is not damaged.
- This shows failure analysis of DSP Block.

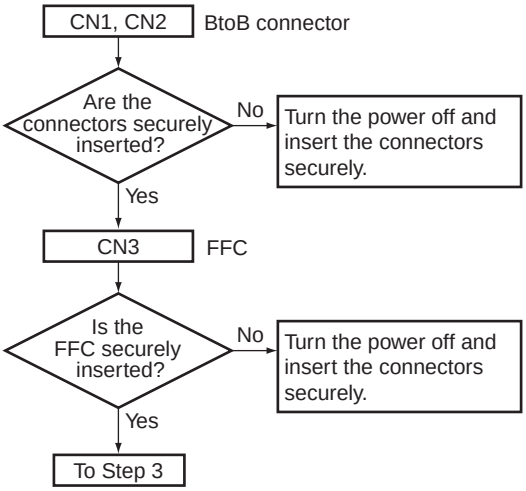
Step 0: Preliminary confirmation



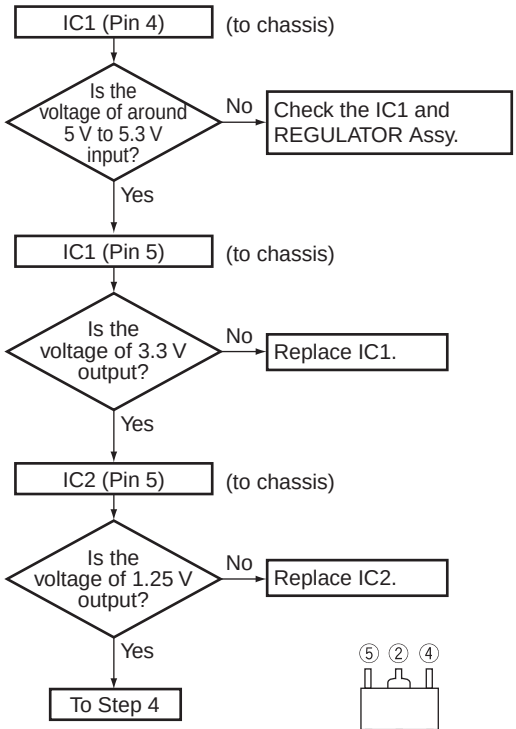
Step 1: MUTE pin



Step 2: BtoB connector and FFC

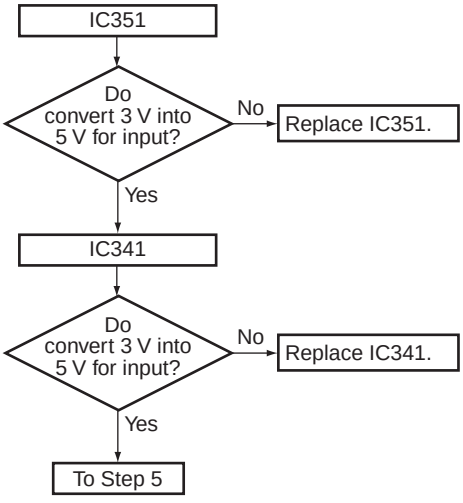


Step 3: Regulator IC

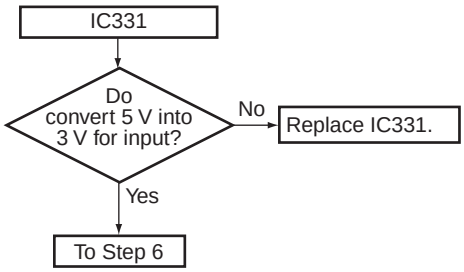


Part shape and Pin arrangement of IC1 and IC2

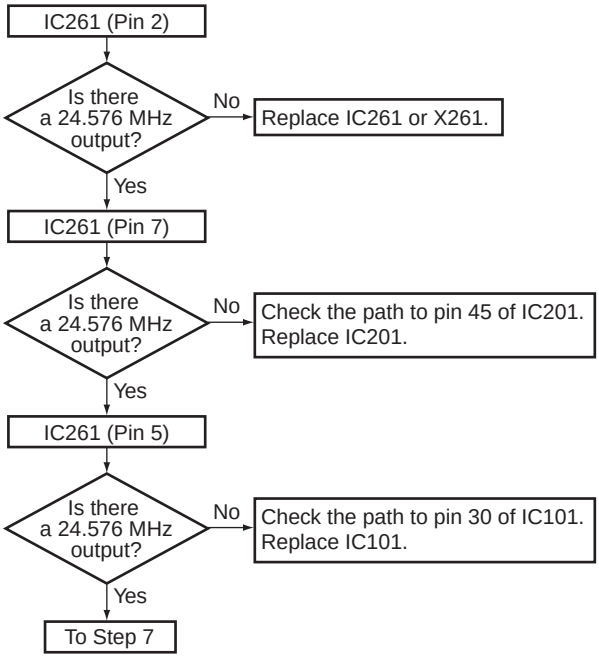
Step 4: 3 V to 5 V conversion



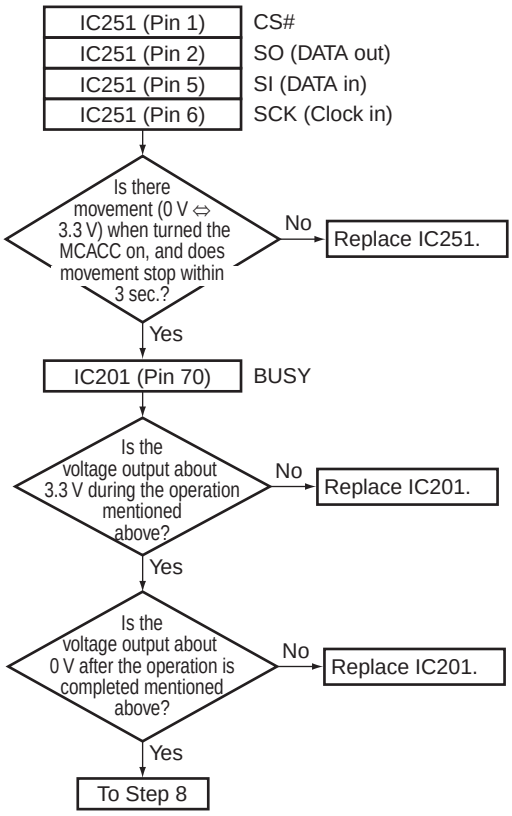
Step 5: 5 V to 3 V conversion



Step 6: X'tal

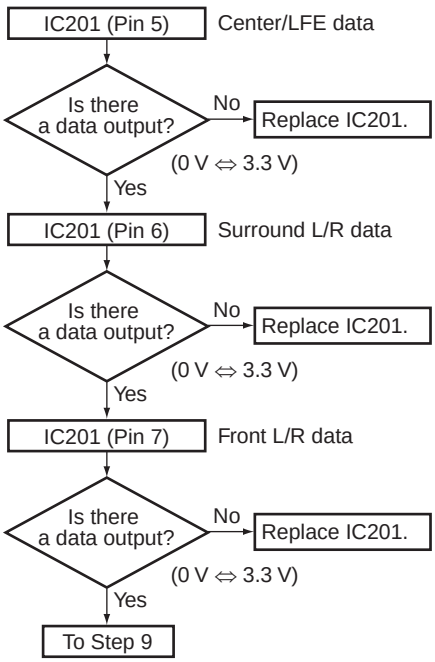


Step 7: ROM



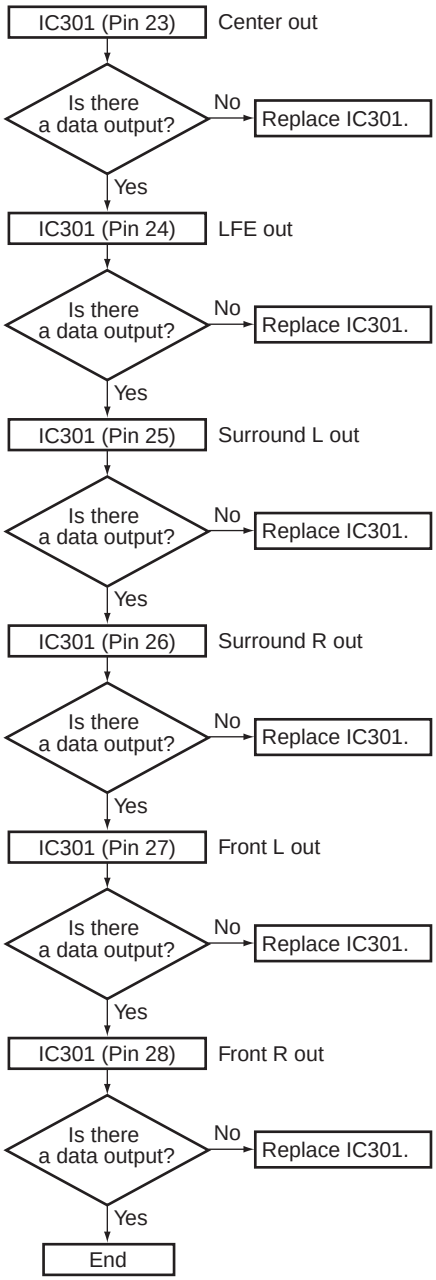
Step 8: DSP output (digital)

Digital output when indicated each CH.



Step 9: CODEC output (analog)

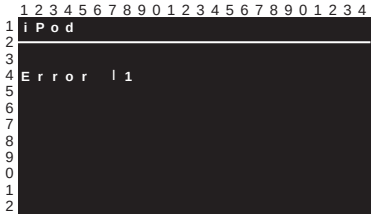
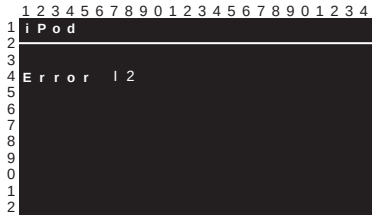
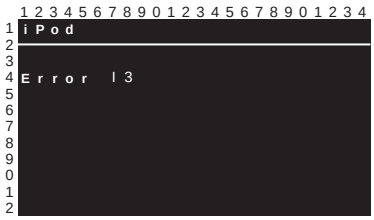
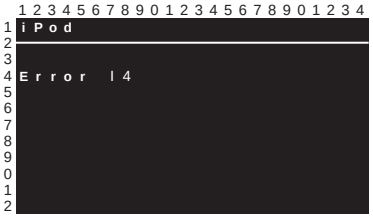
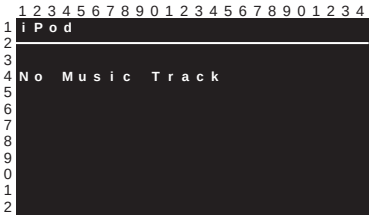
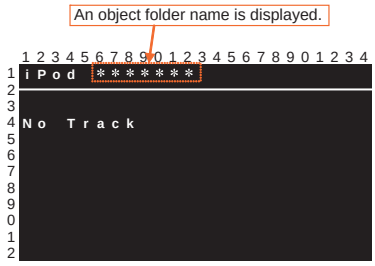
Analog output when indicated each CH.



[2] USB (iPod) TROUBLESHOOTING

iPod Error Message

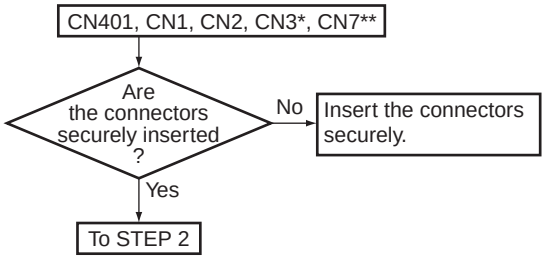
When the abnormality occurred, the error messages are indicated.

key sequence change	OSD display	FL display
Error I1 Communication Error When the communication is not possible normally. [Procedure] Disconnect a connector once, then connect a connector surely again after the main menu of the iPod was displayed. Nevertheless, reset the iPod when the iPod does not operate normally.		(8-digit) ERROR I1
Error I2 Protocol Ver.Error (in the Type 2 operation only) When a version of the iPod software is old. [Procedure] Update the iPod software to the newest version.		(8-digit) ERROR I2
Error I3 Generation Error (in the Type 1 operation only) When the non-support model for the iPod Mode Type 1 was connected. When the non-support function will be executed. When a version of the iPod software is old. [Procedure] Change the iPod Mode to Type2. Update the iPod software to the newest version.		(8-digit) ERROR I3
Error I4 Loading Error When there is no response from the iPod. [Procedure] The power is shut off once, then the unit back on. Reset the iPod. Update the iPod software to the newest version.		(8-digit) ERROR I4
No Music Track No Music Track Cautuion When a music track does not exist in the connected iPod. [Procedure] Transfer a music track to the iPod. When play a video track, turn on the iPod CTRL, and playback a track by operating the main unit of the iPod.		(8-digit) NO MUSIC
No Track No Music Track Cautuion When a track does not exist in the selected category [Procedure] Select another category.		(8-digit) NO TRACK

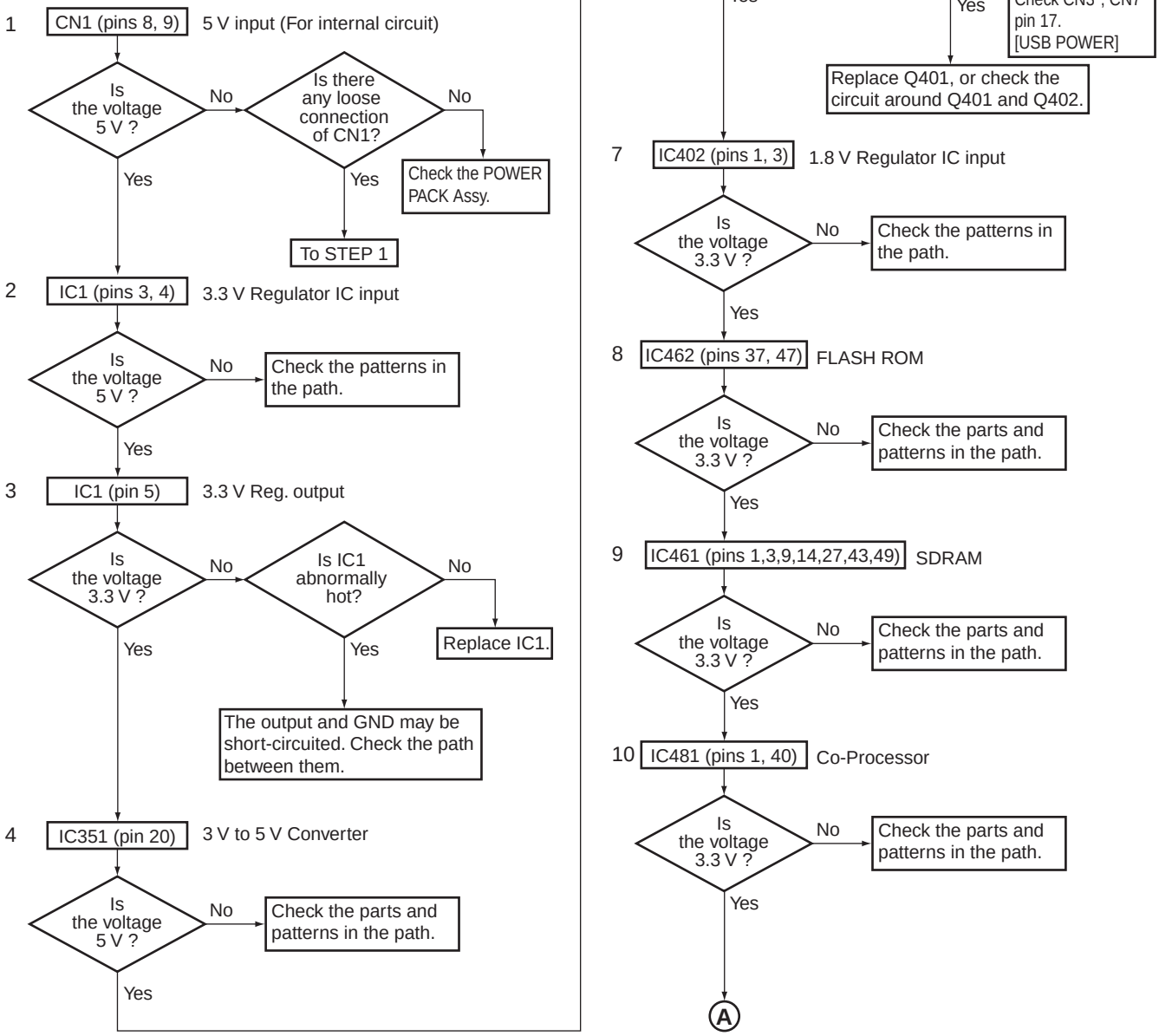
iPod Troubleshooting

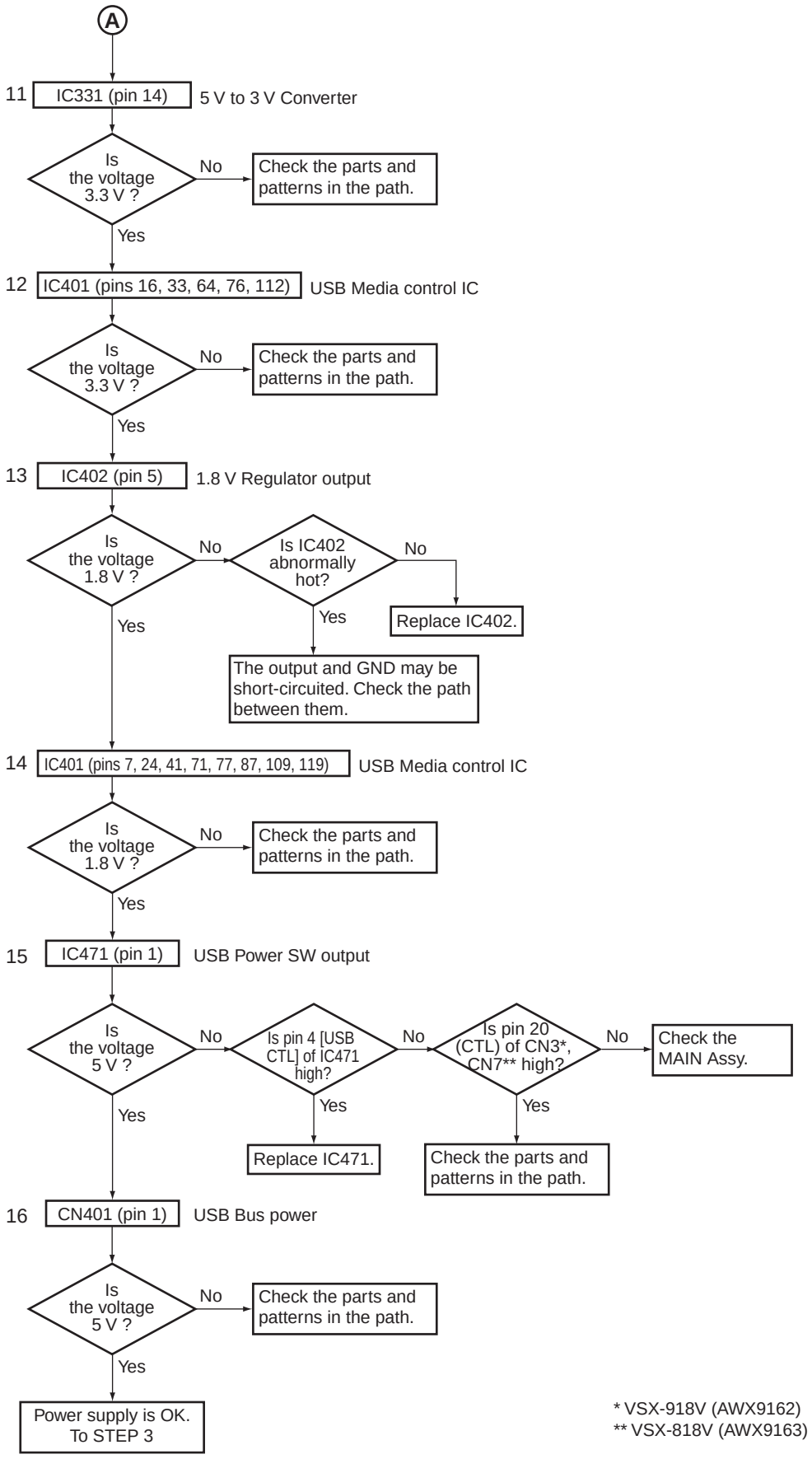
* VSX-918V (AWX9162)
** VSX-818V (AWX9163)

Step 1: Connectors



Step 2: Power supply



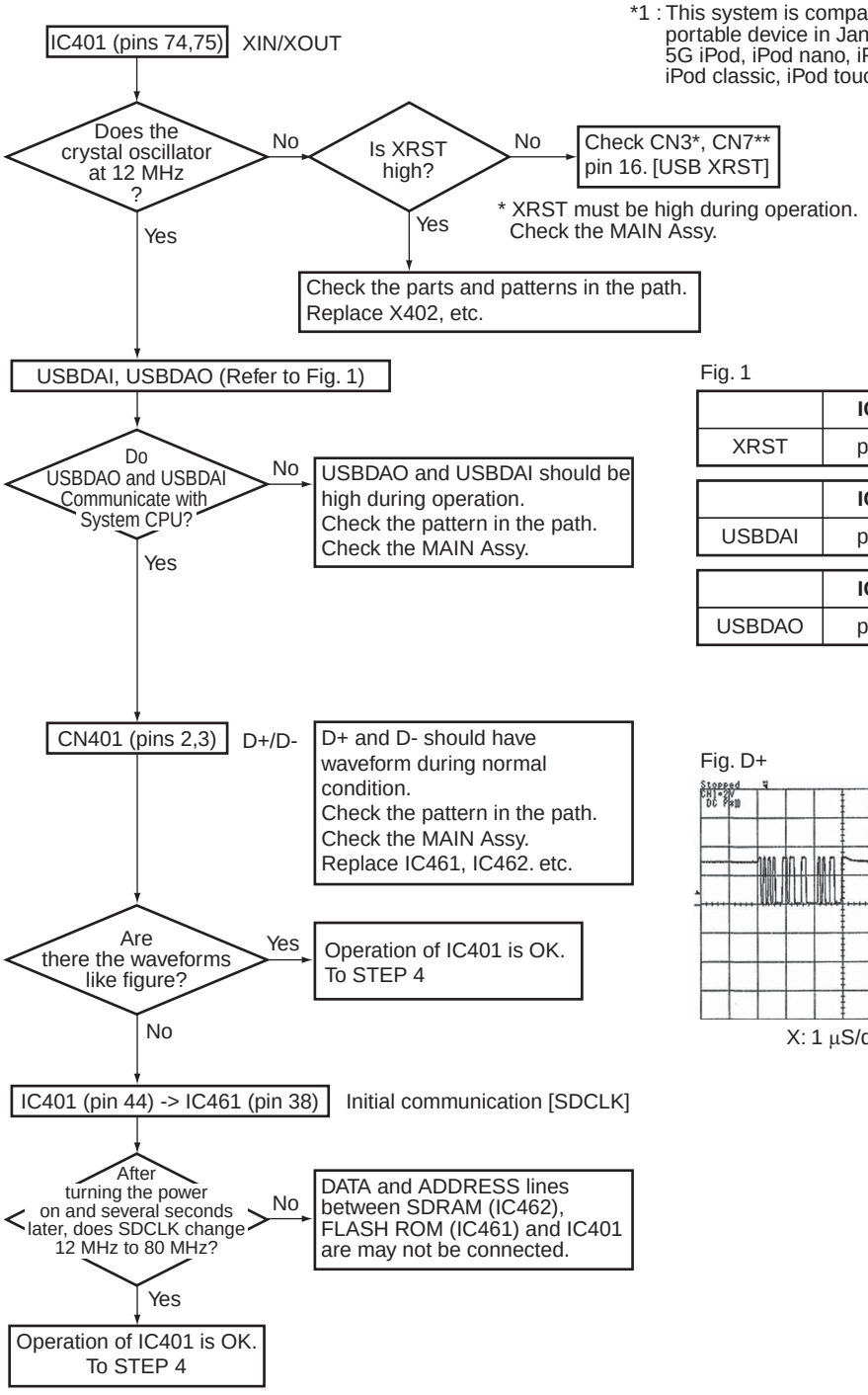


* VSX-918V (AWX9162)
** VSX-818V (AWX9163)

Step 3: Operation of USB Media control IC

Note: Please confirm it with the iPod*1 connected for the content.

*1 : This system is compatible with the audio of the following portable device in Jan. 2008.
5G iPod, iPod nano, iPod nano 2G, iPod nano 3G, iPod classic, iPod touch



* VSX-918V (AWX9162)
** VSX-818V (AWX9163)

Fig. 1

	IC401		CN3*, CN7**
XRST	pin 77	R455 / R456	pin 16

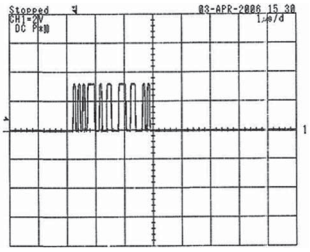
	IC401	IC331 (5 V -> 3 V)		CN3*, CN7**
USBDAI	pin 96	pin 8	pins 9, 10	pin 18

	IC401	IC351 (3 V -> 5 V)		CN3*, CN7**
USBDAO	pin 95	pin 9	pin 11	pin 19

Fig. D+

X: 1 μS/div, Y: 2 V/div

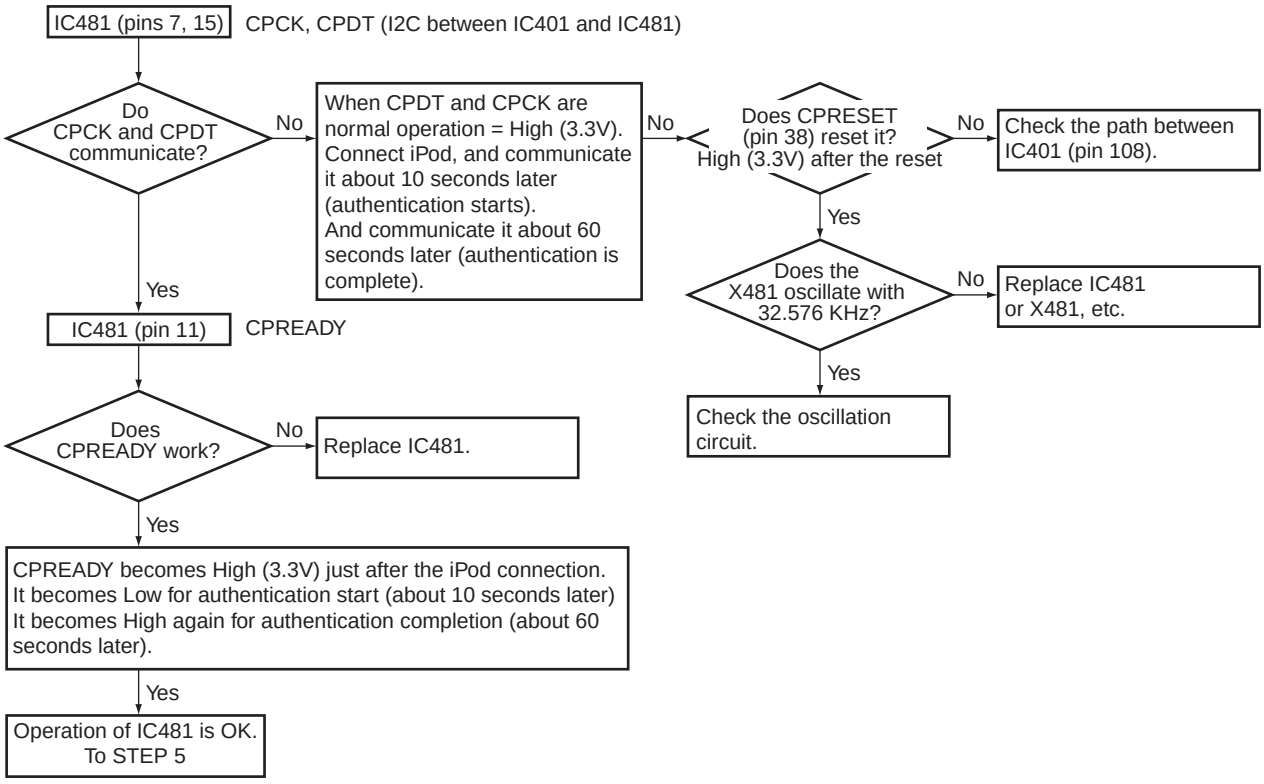
Fig. D-



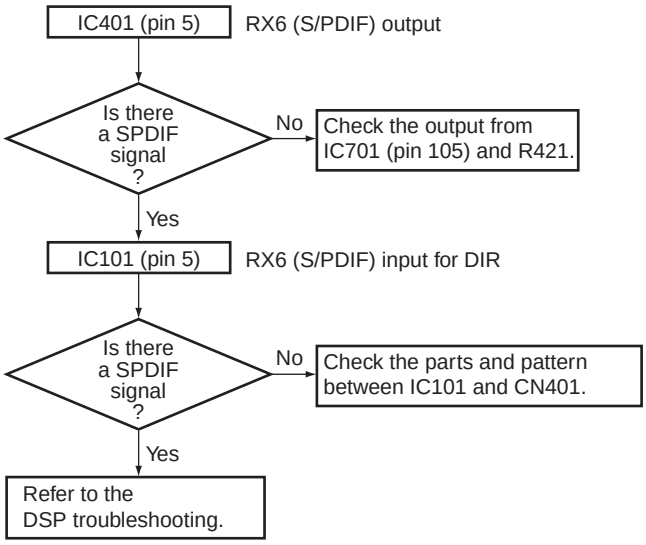
X: 1 μS/div, Y: 2 V/div

Step 4: Operation of iPod (Authentication process)

Note: Please confirm it with connecting the iPod.



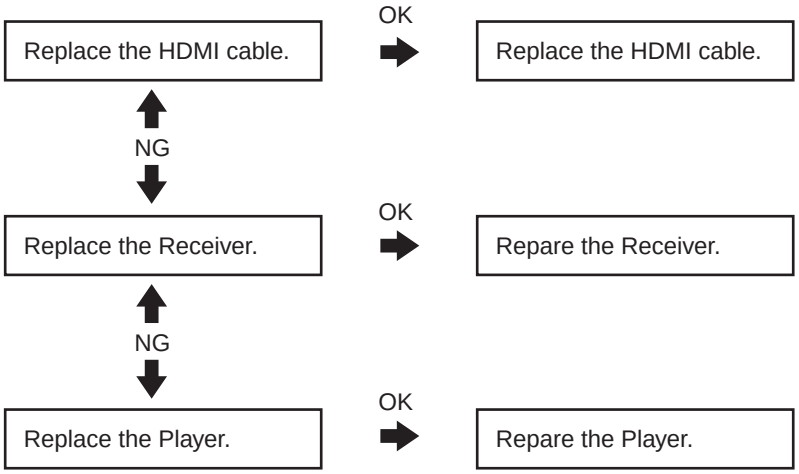
Step 5: Audio Out check



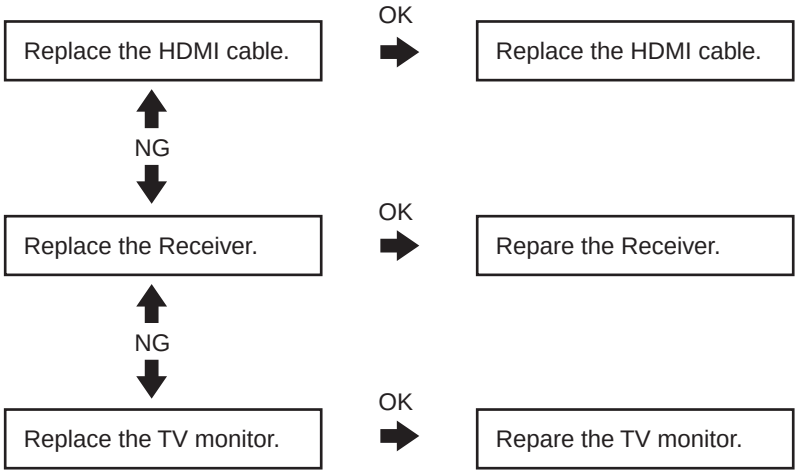
[3] HDMI TROUBLESHOOTING

■ HDMI Simple Diagnosis (VSX-918V)

1. Causes for noncompletion of HDMI authentication between the source equipment and this unit (the HDMI indicator is unlit or flashes)

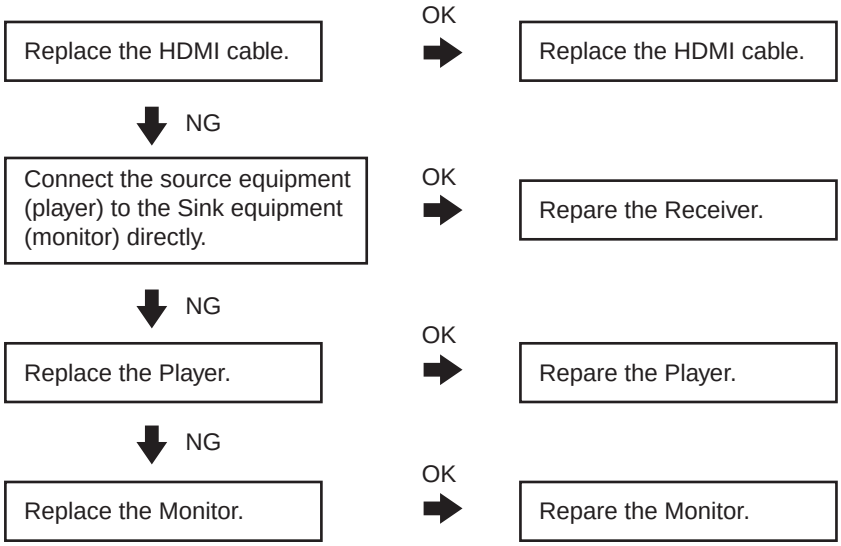


2. Causes for noncompletion of HDMI authentication between the monitor and this unit (no display or sound from the monitor)



■ HDMI Simple Diagnosis (VSX-818V)

Causes for no display or sound from the monitor



■ HDMI Troubleshooting (VSX-818V)

• This shows failure analysis of the HDMI Assy.

Preparation

Step 1-1: Screws on the rear panel

JA101 — COAXIAL jack

Do screws of COAXIAL jack securely tighten? — No → Tighten screws securely.

Yes

JA601, JA602, JA701 — HDMI connector

Do screws securely tighten? — No → Tighten screws securely.

*Should tighten one screw at least for diagnosis.

Yes

Step 1-2: FFC

CN1001, CN1002

Is FFC cable inserted securely? — No → Insert it securely.

Yes

Step 1-3: Connect the HDMI equipment

Source equipment:
Connect a DVD player to HDMI 1 or HDMI 2.

Sink equipment:
Connect a TV to HDMI OUT.

Step 1-4: POWER ON

Turn on the power of the Receiver and equipments which was connected with HDMI.

Step 1-5: Function switch (HDMI 1 or HDMI 2)

Switch the function that HDMI was assigned.
Factory shipments setting:
HDMI 1: DVD
HDMI 2: TV

To Step 2

Diagnosis

Step 2-1: CE

CN1001 (Pin 1) — CE

Is the voltage "H" (5 V)? — No → Diagnose the MAIN Assy.

Yes

Step 2-2: Power supply

CN1002 (Pins 1, 2) — V+5

Is the voltage 5 V? — No → Diagnose the MAIN Assy.

Yes

CN1002 (Pin 5) — V+7

Is the voltage 7 V? — No → Diagnose the MAIN Assy.

Yes

IC901 (Pin 1) — V+3R3V

Is the voltage 3.3 V? — No → Check the IC901. If IC901 is failure, replace IC901.

Yes

IC911 (Pin 5) — V+5HD

Is the voltage 5 V? — No → Check the IC911. If IC911 is failure, replace IC911.

Yes

* When connected the equipment to IN1;

JA101 (Pin 18) — V+5R0

Is the voltage 5 V? — No → Check the JA101. If JA101 is failure, replace JA101.

Yes

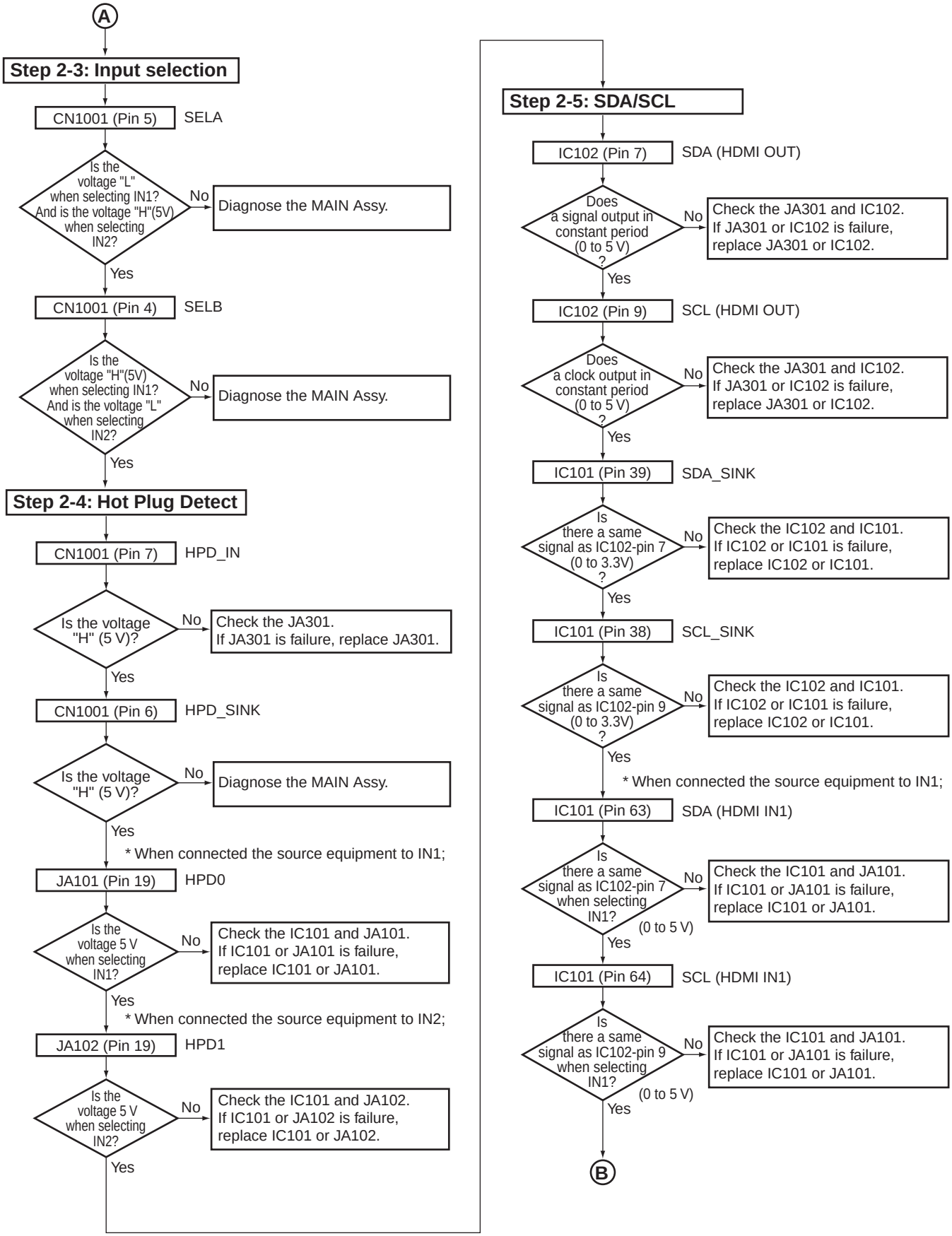
* When connected the equipment to IN2;

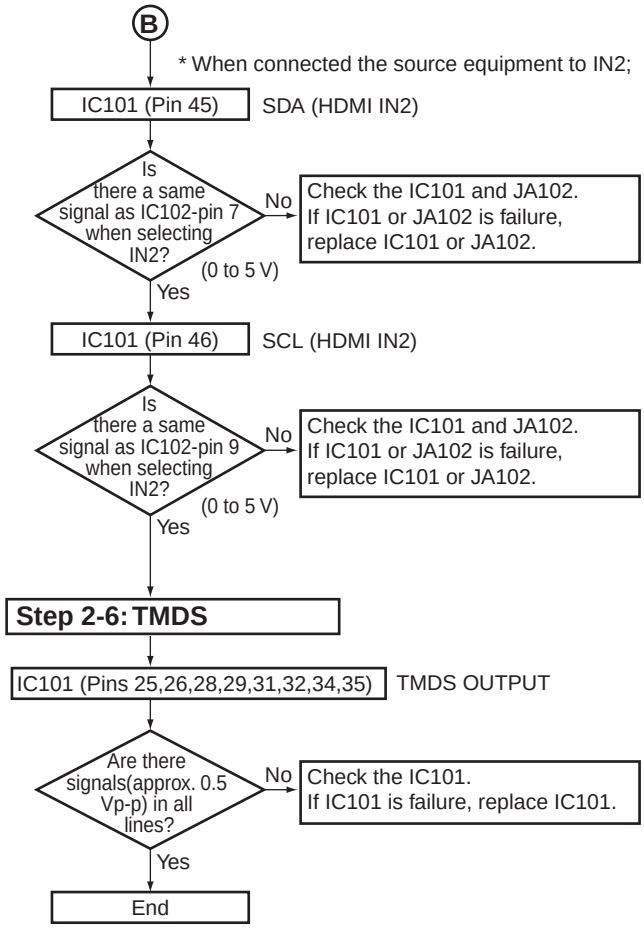
JA102 (Pin 18) — V+5R1

Is the voltage 5 V? — No → Check the JA102. If JA102 is failure, replace JA102.

Yes

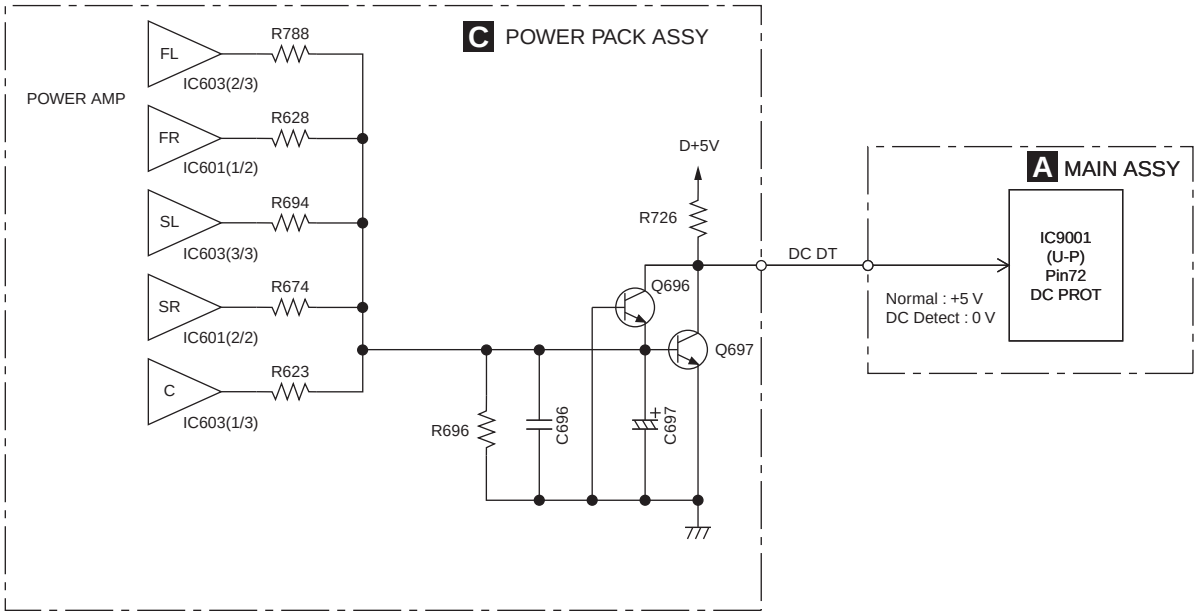
Ⓐ


A
Step 2-3: Input selection
CN1001 (Pin 5)
SELA
Is the voltage "L" when selecting IN1? And is the voltage "H"(5V) when selecting IN2?
No
Diagnose the MAIN Assy.
Yes
CN1001 (Pin 4)
SELB
Is the voltage "H"(5V) when selecting IN1? And is the voltage "L" when selecting IN2?
No
Diagnose the MAIN Assy.
Yes
Step 2-4: Hot Plug Detect
CN1001 (Pin 7)
HPD_IN
Is the voltage "H" (5 V)?
No
Check the JA301. If JA301 is failure, replace JA301.
Yes
CN1001 (Pin 6)
HPD_SINK
Is the voltage "H" (5 V)?
No
Diagnose the MAIN Assy.
Yes
* When connected the source equipment to IN1;
JA101 (Pin 19)
HPD0
Is the voltage 5 V when selecting IN1?
No
Check the IC101 and JA101. If IC101 or JA101 is failure, replace IC101 or JA101.
Yes
* When connected the source equipment to IN2;
JA102 (Pin 19)
HPD1
Is the voltage 5 V when selecting IN2?
No
Check the IC101 and JA102. If IC101 or JA102 is failure, replace IC101 or JA102.
Yes
Step 2-5: SDA/SCL
IC102 (Pin 7)
SDA (HDMI OUT)
Does a signal output in constant period (0 to 5 V) ?
No
Check the JA301 and IC102. If JA301 or IC102 is failure, replace JA301 or IC102.
Yes
IC102 (Pin 9)
SCL (HDMI OUT)
Does a clock output in constant period (0 to 5 V) ?
No
Check the JA301 and IC102. If JA301 or IC102 is failure, replace JA301 or IC102.
Yes
IC101 (Pin 39)
SDA_SINK
Is there a same signal as IC102-pin 7 (0 to 3.3V) ?
No
Check the IC102 and IC101. If IC102 or IC101 is failure, replace IC102 or IC101.
Yes
IC101 (Pin 38)
SCL_SINK
Is there a same signal as IC102-pin 9 (0 to 3.3V) ?
No
Check the IC102 and IC101. If IC102 or IC101 is failure, replace IC102 or IC101.
Yes
* When connected the source equipment to IN1;
IC101 (Pin 63)
SDA (HDMI IN1)
Is there a same signal as IC102-pin 7 when selecting IN1? (0 to 5 V)
No
Check the IC101 and JA101. If IC101 or JA101 is failure, replace IC101 or JA101.
Yes
IC101 (Pin 64)
SCL (HDMI IN1)
Is there a same signal as IC102-pin 9 when selecting IN1? (0 to 5 V)
No
Check the IC101 and JA101. If IC101 or JA101 is failure, replace IC101 or JA101.
Yes
B

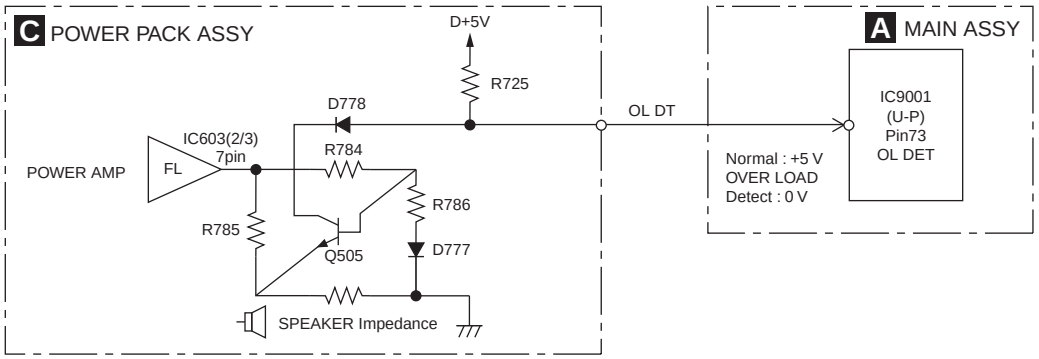

B
* When connected the source equipment to IN2;
IC101 (Pin 45)
SDA (HDMI IN2)
Is there a same signal as IC102-pin 7 when selecting IN2?
(0 to 5 V)
No
Check the IC101 and JA102. If IC101 or JA102 is failure, replace IC101 or JA102.
Yes
IC101 (Pin 46)
SCL (HDMI IN2)
Is there a same signal as IC102-pin 9 when selecting IN2?
(0 to 5 V)
No
Check the IC101 and JA102. If IC101 or JA102 is failure, replace IC101 or JA102.
Yes
Step 2-6: TMDS
IC101 (Pins 25,26,28,29,31,32,34,35)
TMDS OUTPUT
Are there signals(approx. 0.5 Vp-p) in all lines?
No
Check the IC101. If IC101 is failure, replace IC101.
Yes
End

5.2 DETECTION CIRCUIT

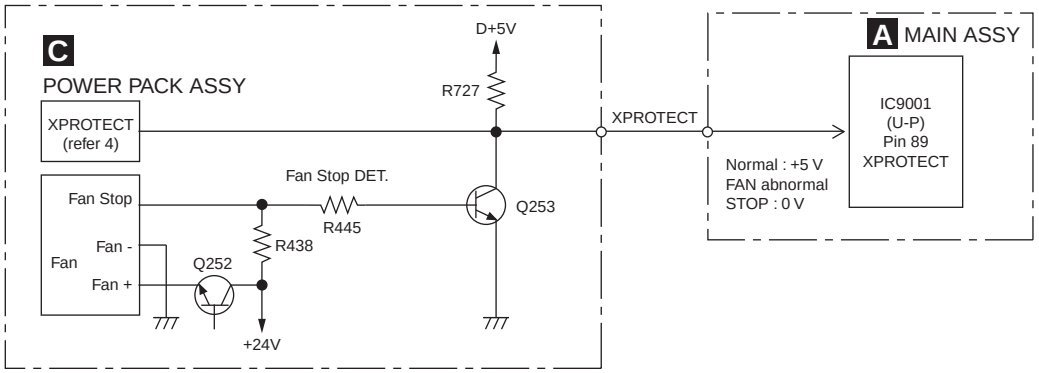
1. DC Derection Circuit Diagram : Example of VSX-918V/KUXJ/CA



2. Overload Detection Circuit Diagram: Example of VSX-918V/KUXJ/CA FRONT Channel



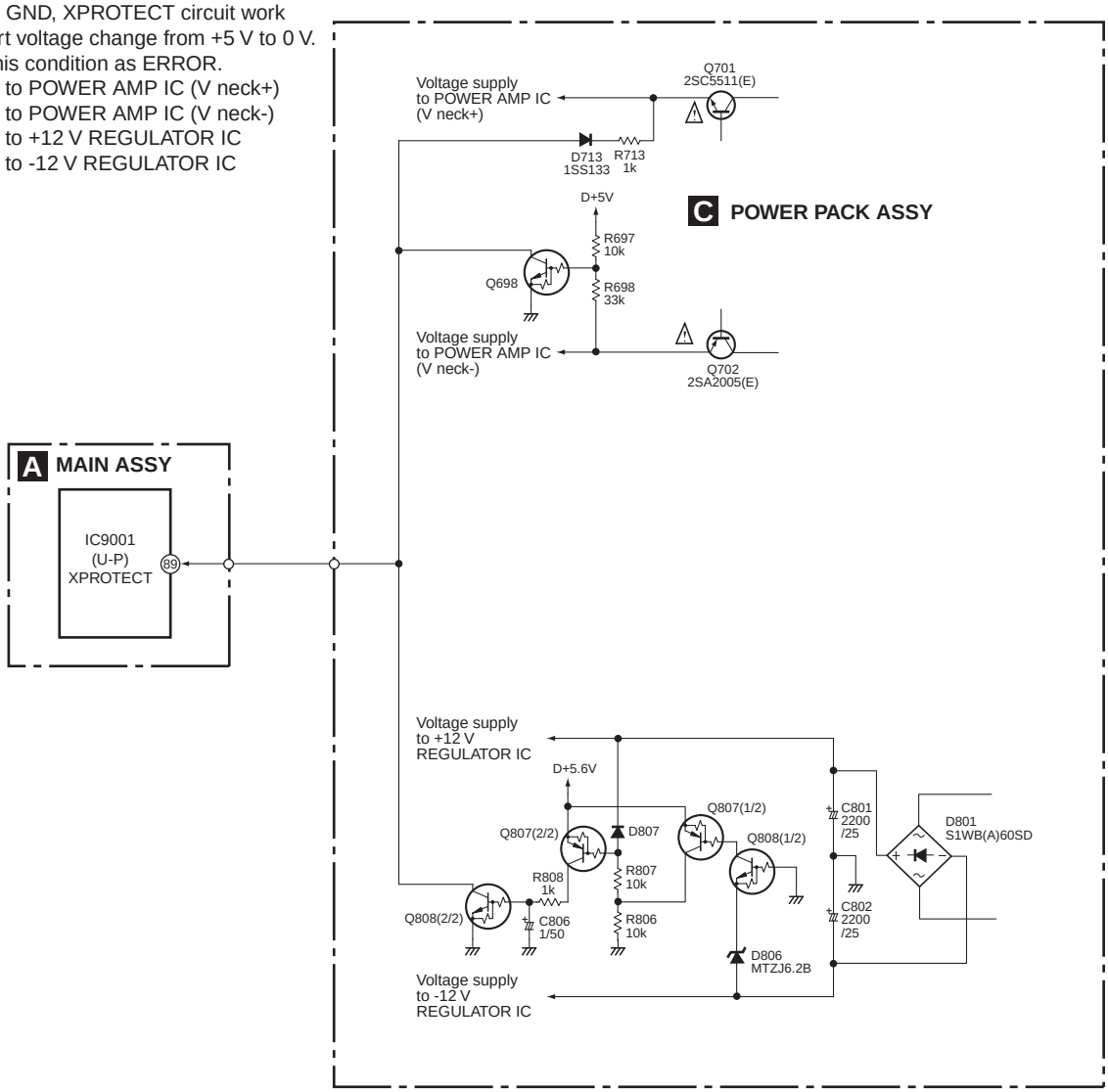
3. Fan Stop Protection Circuit Diagram



4. XPROTECT Detection Circuit Diagram

When below 6 kind of voltage supply become to be short circuit to GND, XPROTECT circuit work and U-P input port voltage change from +5 V to 0 V. The U-P detect this condition as ERROR.

- Voltage supply to POWER AMP IC (V neck+)
- Voltage supply to POWER AMP IC (V neck-)
- Voltage supply to +12 V REGULATOR IC
- Voltage supply to -12 V REGULATOR IC

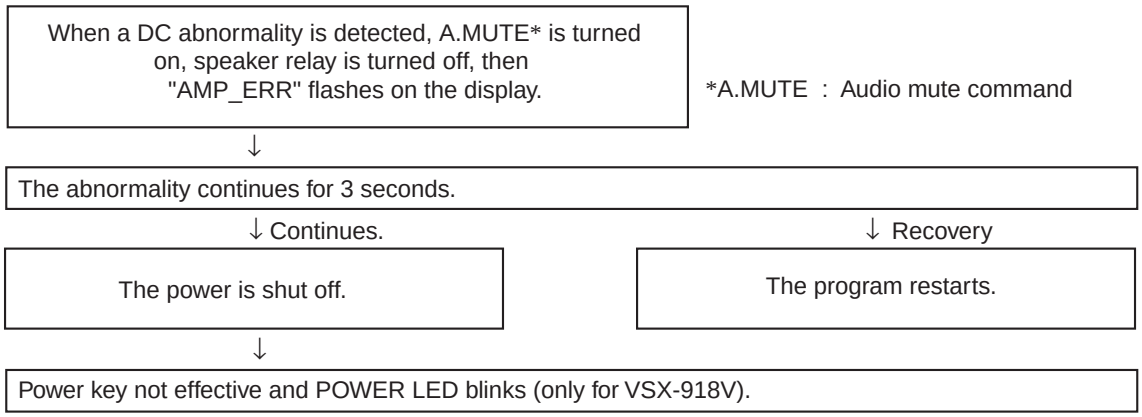


5.3 AMPLIFIER SYSTEM PROTECTION OPERATION SPECIFICATION

1. DC-abnormality detection

DC detection is only enabled 2 seconds after power-on.
If there is a fault in the power amplifier or a high-level signal lower than 5 Hz is input, the DC_DET port becomes “L”.
If the “L” is detected, the microprocessor will perform as following flow chart.

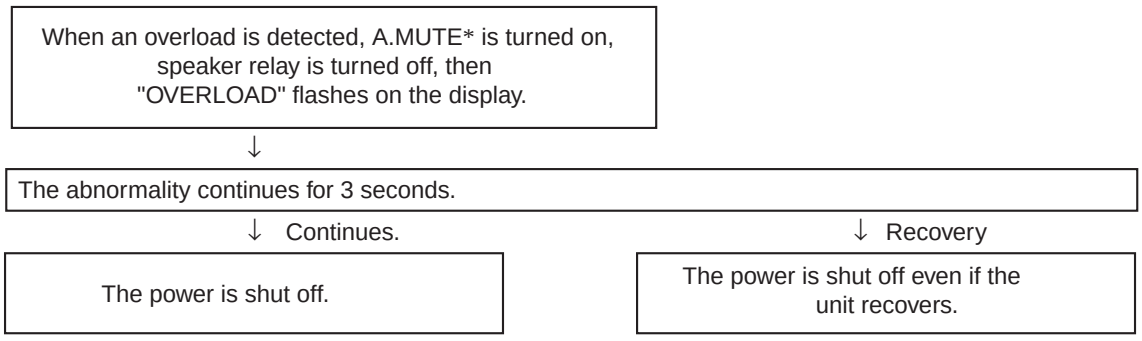
In the case of simultaneous detection with the overload protection circuit, DC-abnormality detection is performed preferentially to overload detection.



However, when the following keys are pushed so that the key input of a line and the service can be carried out, power can be on.
① TESTMODE ON (A55F+A55F)
② When power off, push TUNE+ key + AUTO SURR/DIRECT key continuously 2sec.
(②: When a DC abnormality is detected and the power is shut off.)
Any other key input from front panel or remote control will not be detected.

2. Overload detection

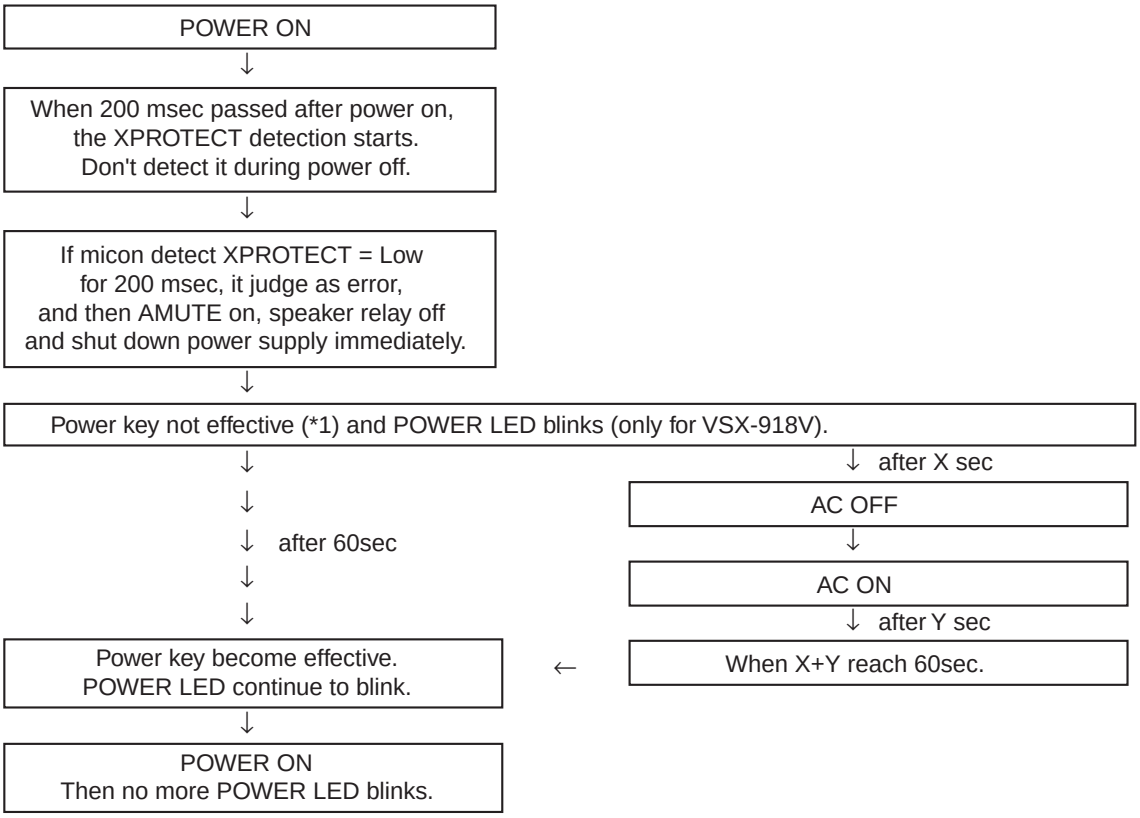
If the speaker terminals are short-circuited or low-load driving is detected, the OL_DET port becomes “L”.
If the “L” is detected, the microprocessor will perform as following flow chart.



3. XPROTECT detection

XPROTECT is started to be monitored 200msec after power on.
XPROTECT port is checked every 20msec.
If Low level (ERROR) is recognized during consecutive 9 times, micon judge it as XPROTECT ERROR.

It processes more preferentially than DC abnormal detection and overload detection.



(*1) However, when the following keys are pushed so that the key input of a line and the service can be carried out, power can be on.
① TESTMODE ON (A55F+A55F)
② When power off, push TUNE+ key + AUTO SURR/DIRECT key continuously 2sec.
(Effective, only when power-off is carried out by DC detection / XPROTECT detection)
Any other key input from front panel or remote control will not be detected.

4. Fan stop detection operation flow in the XPROTECT detection

If the fan is forcibly stopped or become out of order, the 'XPROTECT' port becomes "L". Then an abnormality of fan is detected.

- Detection routine and recovery is same as "3. XPROTECT detection".

6. SERVICE MODE

There is no information to be shown in this chapter.

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 are required:
• Extension jig cables : GGD1483, GGD1485

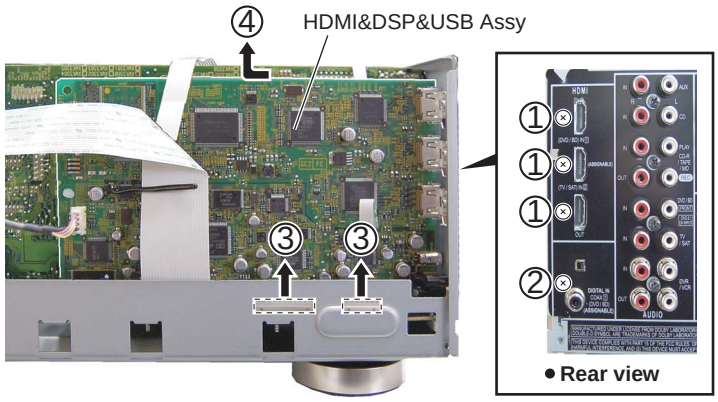
Diagnosis of HDMI

Caution:
Heatsink section in work becomes hot, and be careful with it.

❶ Remove the bonnet by removing the six screws.

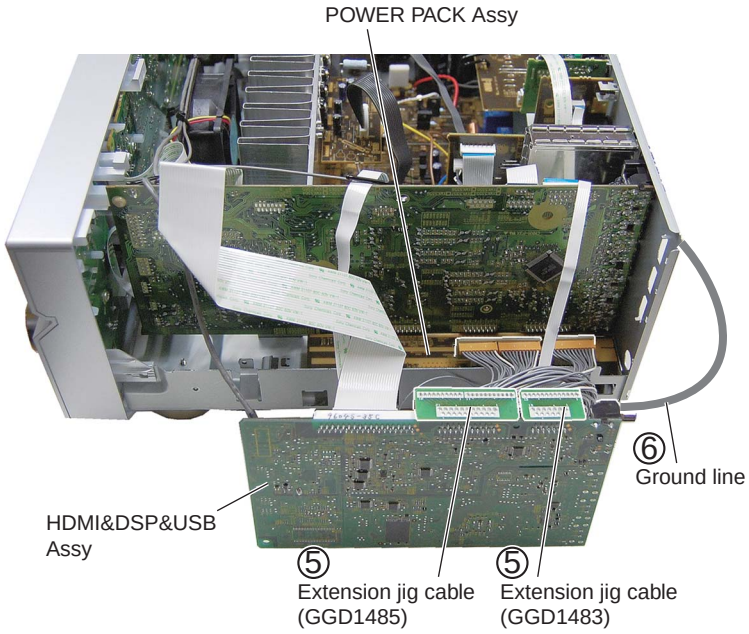
● **For VSX-918V**

① Remove the three screws.
② Remove the one screw.
③ Disconnect the two connectors.
④ Remove the HDMI&DSP&USB Assy.



⑤ Connect the two extension jig cables.
GGD1483
(HDMI&DSP&USB CN1 <=> POWER PACK CN805)
GGD1485
(HDMI&DSP&USB CN2 <=> POWER PACK CN806)

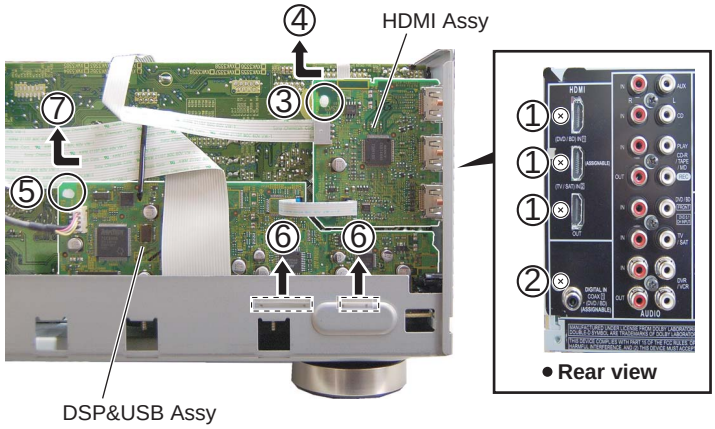
⑥ Connect the ground line.
(HDMI&DSP&USB COAX terminal <=> Rear panel,
One of the three HDMI terminals <=> Rear panel)



Diagnosis

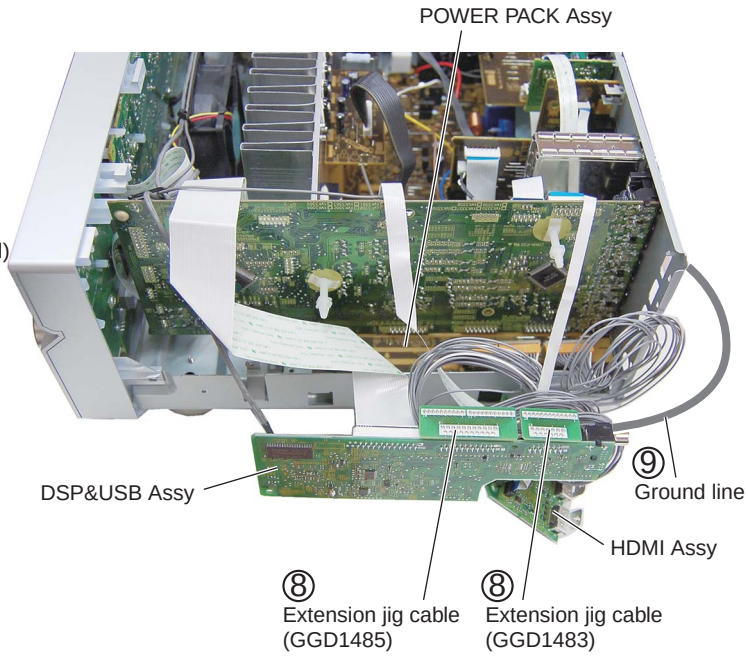
● **For VSX-818V**

① Remove the three screws.
② Remove the one screw.
③ Release the PCB holder.
④ Remove the HDMI Assy.
⑤ Release the PCB holder.
⑥ Disconnect the two connectors.
⑦ Remove the DSP&USB Assy.



⑧ Connect the two extension jig cables.
GGD1483
(DSP&USB CN1 <=> POWER PACK CN805)
GGD1485
(DSP&USB CN2 <=> POWER PACK CN806)

⑨ Connect the ground line.
(DSP&USB COAX terminal <=> Rear panel)
(HDMI One of the three HDMI terminals <=> Rear panel)



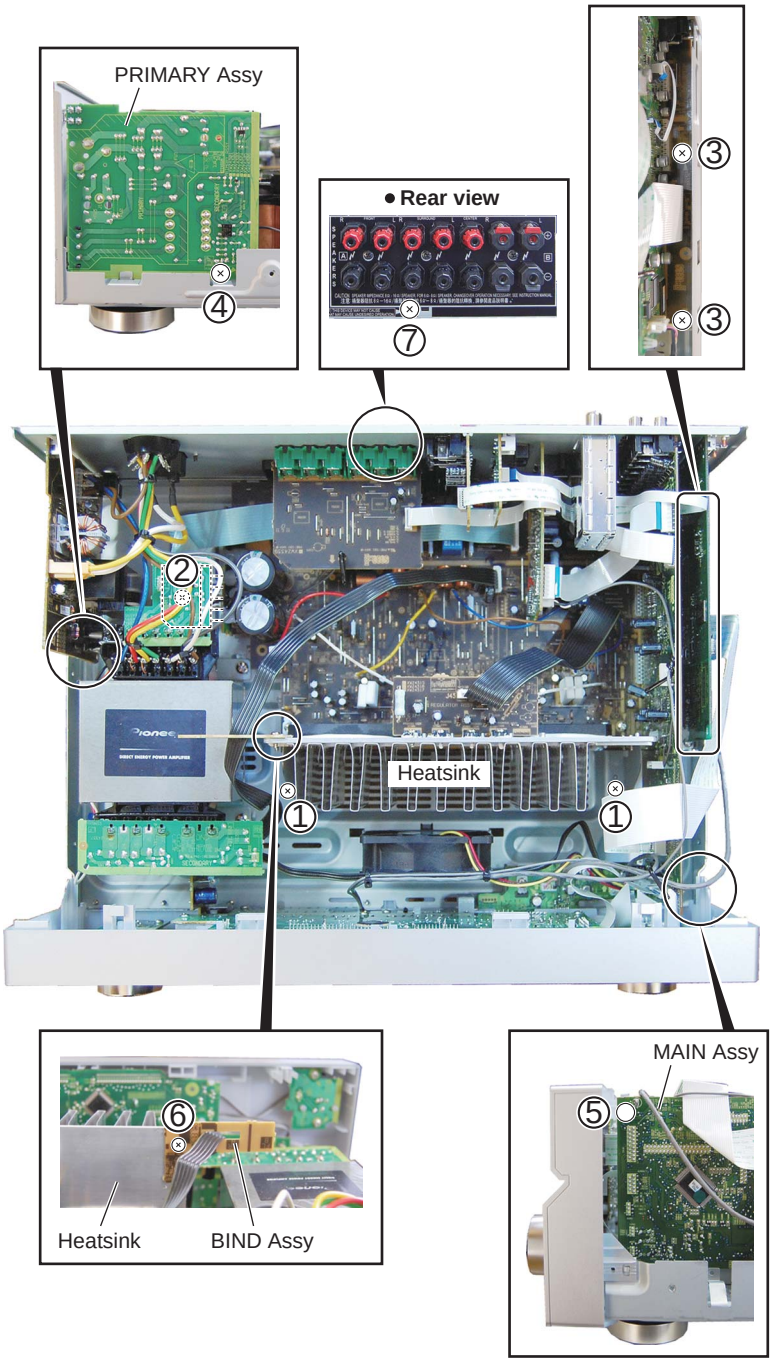
Diagnosis

Diagnosis of the Unit

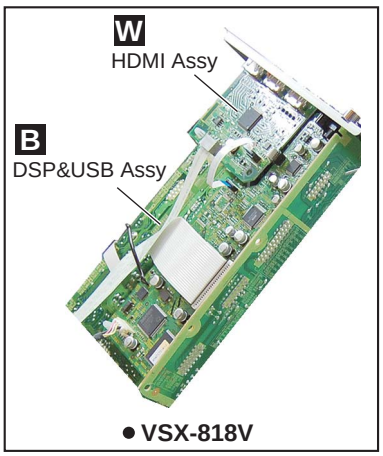
Caution:
Heatsink section in work becomes hot, and be careful with it.

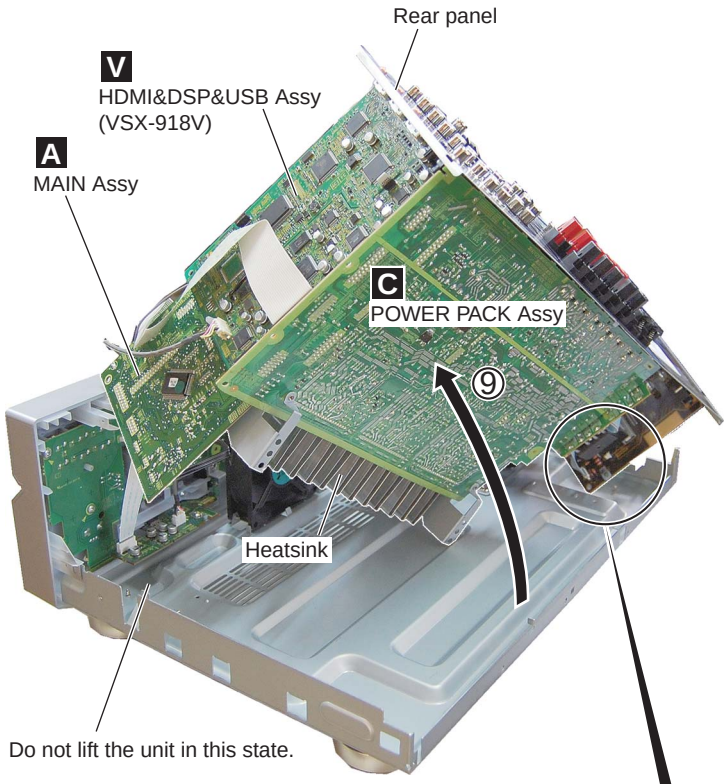
❶ Remove the bonnet by removing the six screws.

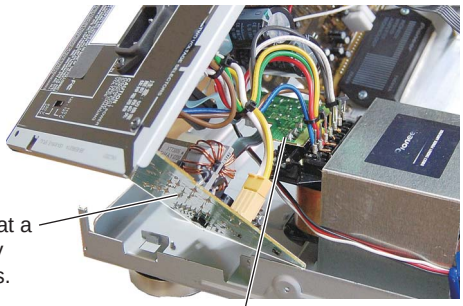
① Remove the two screws.
② Remove the one screw.
③ Remove the two screws.
④ Remove the one screw.
⑤ Remove the push rivet.
⑥ Remove the BIND Assy by removing the one screw.
⑦ Remove the one screw.
⑧ Release the binders, as required.



⑨ Arrange the unit as shown in the photo below.

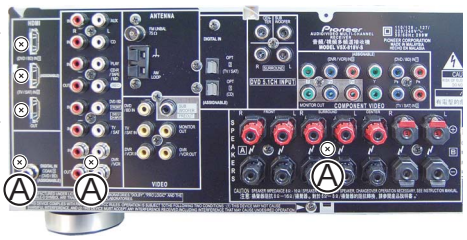






Diagnosis

Caution:
During diagnosis, be sure NOT to remove the four screws marked Ⓐ in the above photo.
There is the case that a product does not work normally when removes these screws.

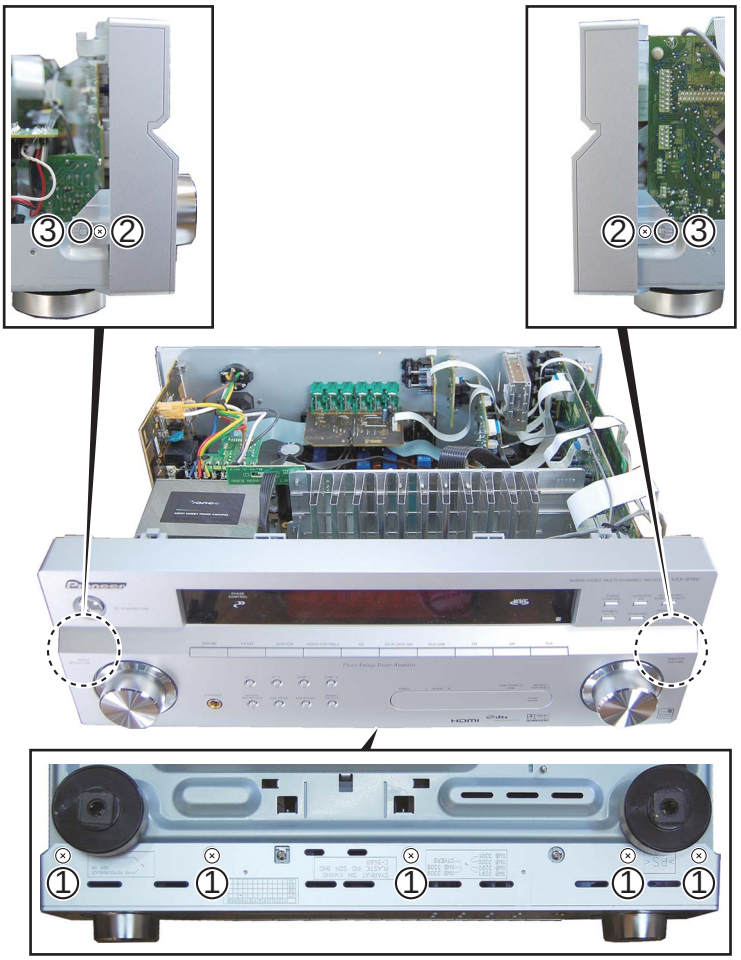


Front Panel Section

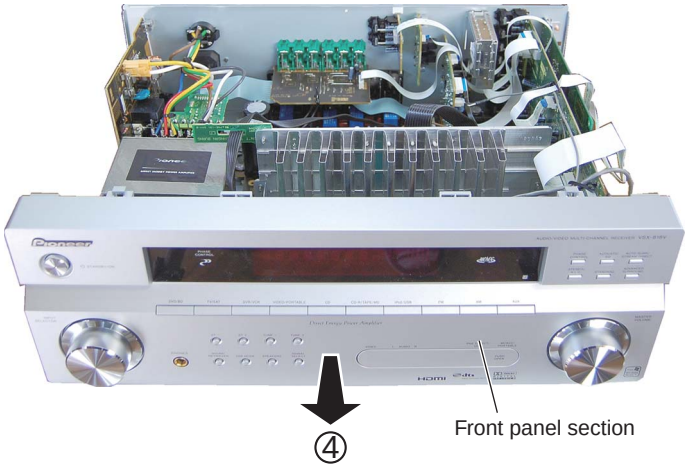
Caution:
Heatsink section in work becomes hot, and be careful with it.

❶ Remove the bonnet by removing the six screws.

① Remove the five screws.
② Remove the two screws.
③ Unhook the two hooks.



④ Remove the front panel section.



8. EACH SETTING AND ADJUSTMENT

8.1 HOW TO UPDATE FIRMWARE

■ USB Firmware Update

[Purpose]

Refer to this section when updating the USB firmware is required by the service information, etc.
It is able to update the USB firmware by using USB flash memory.

[Necessary Tools]

• USB Flash Memory which is saved the firmware file ("player.rom" file).

Note:
In rare cases, it is not able to update the firmware depending on the type of USB flash memory.
In such a case, try to use other model of USB flash memory.

[Procedures]

When the Master Volume is "--- dB" , the firmware rewriting mode can enter with the following key operation.

During POWER OFF

1. Press and hold the "POWER" and "PHASE CONTROL" keys for about 5sec.
2. "USB" or "IPOD" is appeared on the FL display.
3. "WAITING" is appeared on the FL display.
4. After 20 seconds, current version "CORE1.50" is appeared on the FL display.
   Note: Do not insert the USB flash memory till this indication is displayed.
5. Connect the USB flash memory which is saved the firmware file ("player.rom" file).
6. "UPDT 024" is displayed on the FL display.
7. Wait until "COMPLETE" is appeared on the FL display.
8. USB/iPod can be used by turning OFF and ON the POWER (Release the download mode.)

After the power is turned off once

1. Turn off the unit then press and hold "POWER" and "PHASE CONTROL" keys for about 5sec.
2. "USB" or "IPOD" is appeared on the FL display.
3. "WAITING" is appeared on the FL display.
4. After 20 seconds, version "CORE2.00" is appeared on the FL display.
5. USB/iPod can be used by turning OFF and ON the POWER (Release the download mode.)

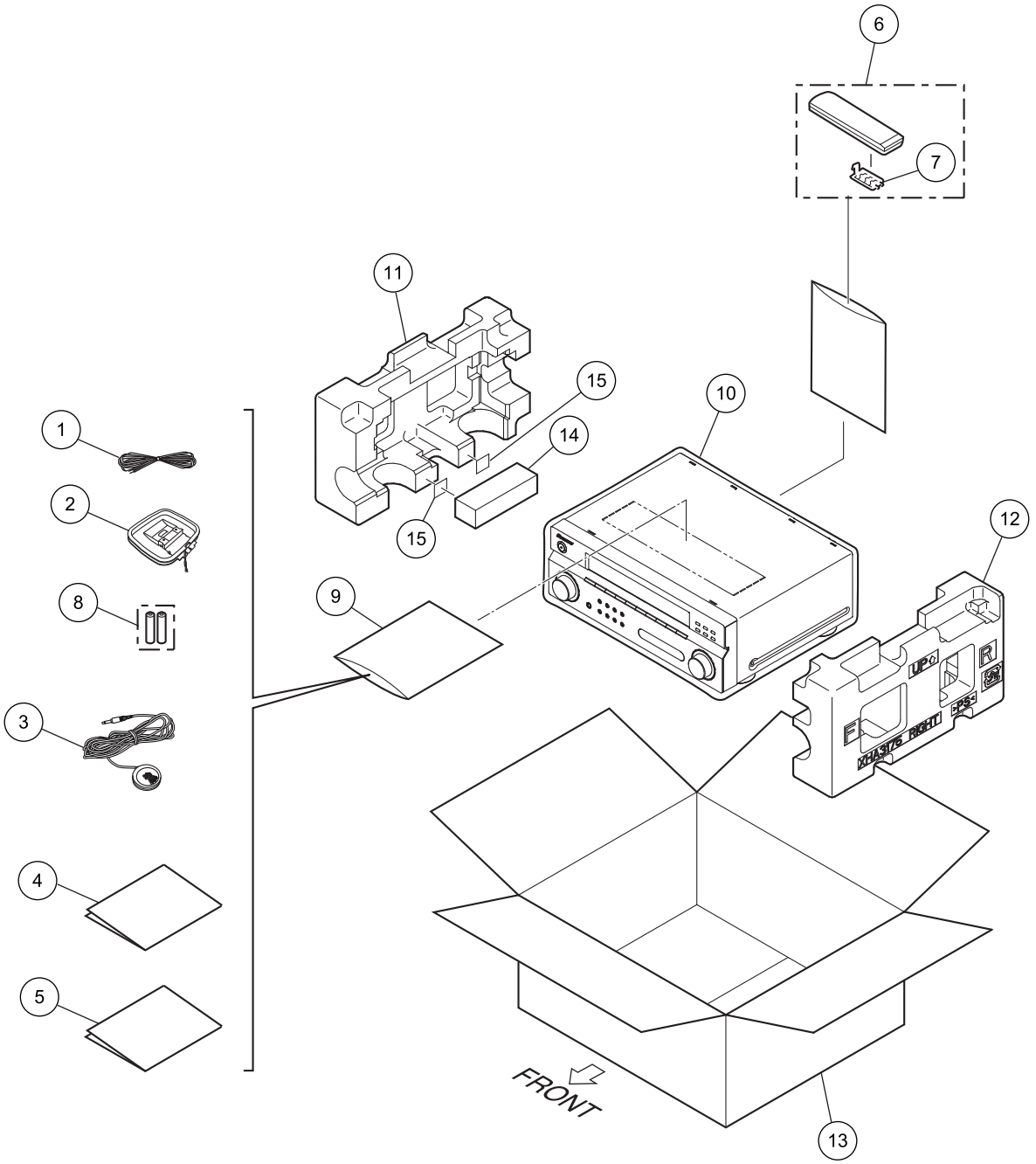
Note:

• Do NOT reconnect the USB flash memory which is saved the "player.rom" file.
• Do NOT change the function setting or turn off the power during step 5 through 7.
  If you do, the updating is failed and it is required to replace the USB flash ROM on the USB module.

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



(1) PACKING SECTION PARTS LIST

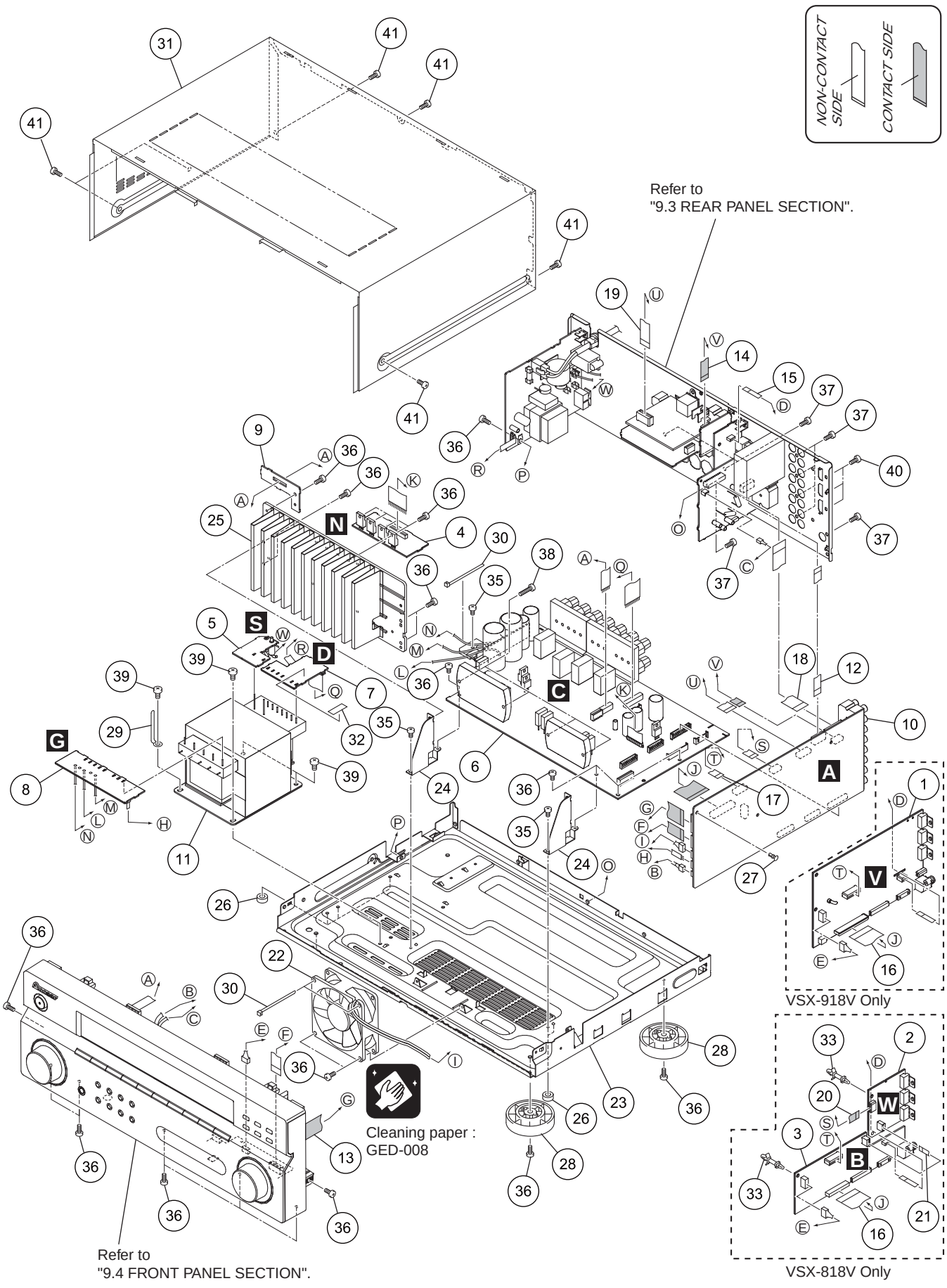
Mark	No.	Description	Part No.
	1	FM Wire Antenna	ADH7030
	2	AM Loop Antenna	ATB7013
	3	Microphone (for Auto MCACC setup)	APM7008
	4	Operating Instructions (English)	XRB3089
	5	Operating Instructions (Spanish)	XRC3358
	6	Remote Control	See Contrast table (2)
	7	Battery Cover	AZN7933
NSP	8	Dry Cell Battery (AA, R6)	XEX3002
NSP	9	Polyethylene Bag (0.06 x 230 x 340)	AHG7117
	10	Packing Sheet	AHG7069
	11	Left Pad V5	XHA3174
	12	Right Pad V5	XHA3175
	13	Packing Case	See Contrast table (2)
	14	Sub Pad	XHA3179
NSP	15	DS Tape	XEH3001

(2) CONTRAST TABLE

VSX-918V-K/KUXJ/CA, VSX-918V-S/KUXJ/CA, VSX-818V-K/KUXJ/CA and VSX-818V-S/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-918V-K /KUXJ/CA	VSX-918V-S /KUXJ/CA	VSX-818V-K /KUXJ/CA	VSX-818V-S /KUXJ/CA
	6	Remote Control	XXD3147	XXD3161	XXD3152	XXD3163
	13	Packing Case	XHD3762	XHD3763	XHD3771	XHD3772

9.2 EXTERIOR SECTION



(1) EXTERIOR SECTION PARTS LIST

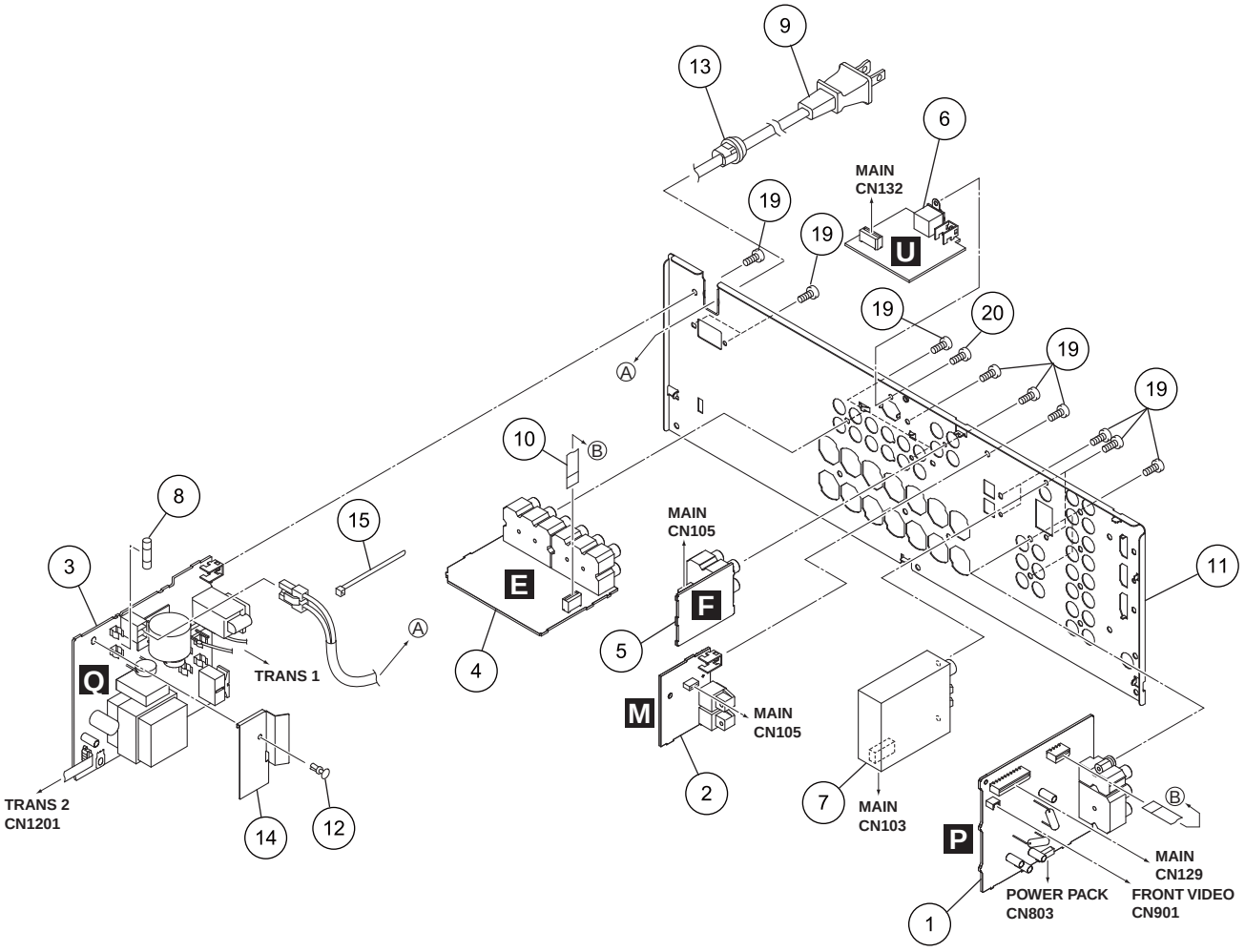
Mark	No.	Description	Part No.
	1	HDMI&DSP&USB Assy	See Contrast table (2)
	2	HDMI Assy	See Contrast table (2)
	3	DSP&USB Assy	See Contrast table (2)
	4	REGULATOR Assy	XWZ4316
	5	TRANS 1 Assy	XWZ4320
	6	POWER PACK Assy	XWZ4325
	7	TRANS 2 Assy	XWZ4335
	8	TRANS 3 Assy	XWZ4337
	9	BIND Assy	XWZ4344
	10	MAIN Assy	See Contrast table (2)
⚠	11	Power Transformer (T1501)	XTS3111
	12	11P Flexible Cable (J1911)	XDD3189
	13	17P Flexible Cable (J1905)	XDD3200
	14	7P Flexible Cable (J1919)	XDD3235
	15	5P Flexible Cable (J1912)	XDD3248
	16	35P Flexible Cable (J1917)	See Contrast table (2)
	17	14P Flexible Cable (J1918)	XDD3252
	18	19P Flexible Cable (J1908)	See Contrast table (2)
	19	9P Flexible Cable (J1903)	XDD3258
	20	7P Flexible Cable	See Contrast table (2)
	21	5P Flexible Cable	See Contrast table (2)
⚠	22	DC Fan Motor	XXM3012
NSP	23	Chassis 918	XNA3060
	24	H/S Angle V3	XNG3145
NSP	25	H/Sink V5	XNH3048
NSP	26	Spacer	AEB7092
	27	Push Rivet	AEC7205
	28	Insulator	PNW2766
	29	Cord Clamper	RNH1005
NSP	30	Binder (BK-1)	ZCA-BK1
	31	Bonnet	See Contrast table (2)
	32	ICP Label	XAX3121
NSP	33	PCB Holder	See Contrast table (2)
	34	• • • • •	
	35	Screw	BBZ30P060FCC
	36	Screw	BBZ30P080FNI
	37	Screw	BBZ30P080FTB
	38	Screw	BBZ30P140FTC
	39	Screw	BBZ40P080FNI
	40	Screw	PMZ30P060FCC
	41	Screw	See Contrast table (2)

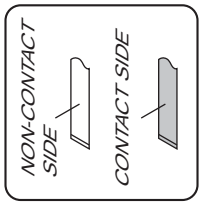
(2) CONTRAST TABLE

VSX-918V-K/KUXJ/CA, VSX-918V-S/KUXJ/CA, VSX-818V-K/KUXJ/CA and VSX-818V-S/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-918V-K /KUXJ/CA	VSX-918V-S /KUXJ/CA	VSX-818V-K /KUXJ/CA	VSX-818V-S /KUXJ/CA
	1	HDMI&DSP&USB Assy	AWX9162	AWX9162	Not used	Not used
	2	HDMI Assy	Not used	Not used	AWX8966	AWX8966
	3	DSP&USB Assy	Not used	Not used	AWX9163	AWX9163
	10	MAIN Assy	XWK3362	XWK3362	XWK3358	XWK3358
	16	35P Flexible Cable (J1917)	XDD3249	XDD3249	Not used	Not used
	16	23P Flexible Cable	Not used	Not used	XDD3250	XDD3250
	18	19P Flexible Cable (J1908)	XDD3253	XDD3253	Not used	Not used
	18	13P Flexible Cable	Not used	Not used	XDD3259	XDD3259
	20	7P Flexible Cable	Not used	Not used	XDD3255	XDD3255
	21	5P Flexible Cable	Not used	Not used	XDD3256	XDD3256
	31	Bonnet	XZN3196	XZN3197	XZN3196	XZN3197
NSP	33	PCB Holder	Not used	Not used	PNW2174	PNW2174
	41	Screw	BBZ30P080FTB	BBZ30P080FNI	BBZ30P080FTB	BBZ30P080FNI

9.3 REAR PANEL SECTION





(1) REAR PANEL SECTION PARTS LIST

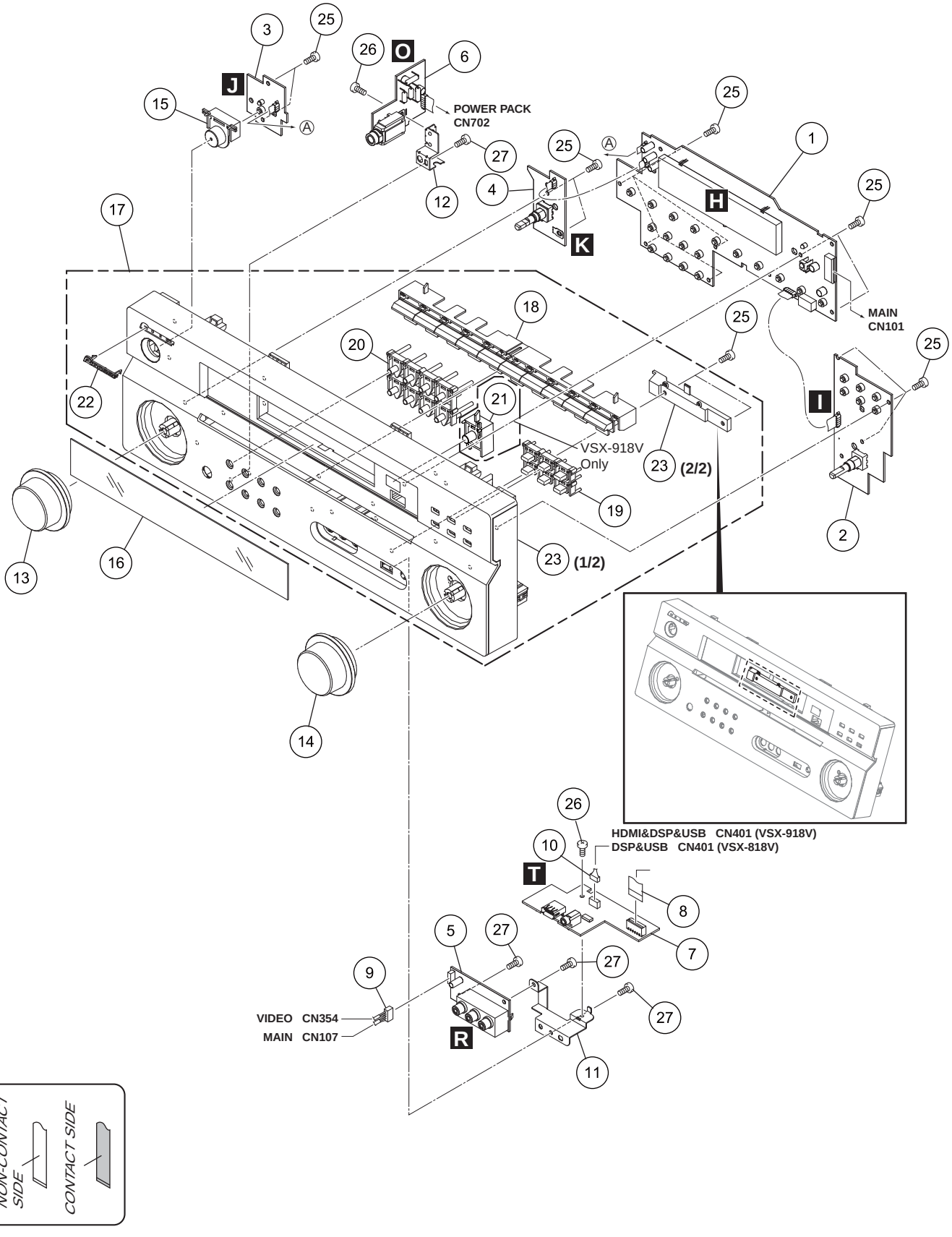
Mark	No.	Description	Part No.
	1	VIDEO Assy	See Contrast table (2)
	2	DIGITAL INPUT Assy	XWZ4299
	3	PRIMARY Assy	XWZ4305
	4	COMPONENT VIDEO Assy	XWZ4339
	5	5.1CH INPUT Assy	XWZ4341
	6	SIRIUS Assy	XWZ4343
	7	FM/AM TUNER Unit	AXX7210
⚠	8	Fuse (FU1: 8A)	REK1153
⚠	9	AC Power Cord	ADG7024
	10	7P Flexible Cable (J1913)	XDD3254
	11	R Panel	See Contrast table (2)
	12	Push Rivet	AEC7205
	13	Cord Stopper	CM-22C
	14	PRI Barrier	XEC3087
NSP	15	Binder (BK-1)	ZCA-BK1
	16	• • • • •	
	17	• • • • •	
	18	Screw	BBZ30P080FNI
	19	Screw	BBZ30P080FTB
	20	Screw	PMZ30P060FCC

(2) CONTRAST TABLE

VSX-918V-K/KUXJ/CA, VSX-918V-S/KUXJ/CA, VSX-818V-K/KUXJ/CA and VSX-818V-S/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-918V-K /KUXJ/CA	VSX-918V-S /KUXJ/CA	VSX-818V-K /KUXJ/CA	VSX-818V-S /KUXJ/CA
	1	VIDEO Assy	XWZ4294	XWZ4294	XWZ4292	XWZ4292
	11	R Panel	XNC3537	XNC3538	XNC3546	XNC3547

9.4 FRONT PANEL SECTION



(1) FRONT PANEL SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	FRONT DISPLAY Assy	See Contrast table (2)
	2	ROTARY ENCODER Assy	XWZ4286
	3	POWER KEY Assy	See Contrast table (2)
	4	JOG Assy	XWZ4289
	5	FRONT VIDEO Assy	XWZ4300
	6	HEADPHONE Assy	XWZ4321
	7	FRONT IN Assy	XWK3366
	8	9P Flexible Cable (J1906)	XDD3247
	9	5P Shield Cable (J1904)	XDX3054
	10	4P Shield Cable (J1902)	XDX3063
	11	Earth Plate FR V3	XNG3144
NSP	12	HP GND Plate	XNG3178
	13	VOL Knob V4	See Contrast table (2)
	14	VOL Knob V5	See Contrast table (2)
	15	STANDBY BTN Assy	See Contrast table (2)
	16	D Panel	See Contrast table (2)
NSP	17	F Panel Assy	See Contrast table (2)
	18	FUNC BTN	See Contrast table (2)
	19	SUB BTN	See Contrast table (2)
	20	TUNER BTN	See Contrast table (2)
	21	C Lens V3	See Contrast table (2)
	22	Pioneer Name Plate	See Contrast table (2)
	23	FRT Panel	See Contrast table (2)
	24	• • • • •	
	25	Screw	BBZ30P080FTC
	26	Screw	BBZ30P080FNI
	27	Screw	BPZ30P080FTC

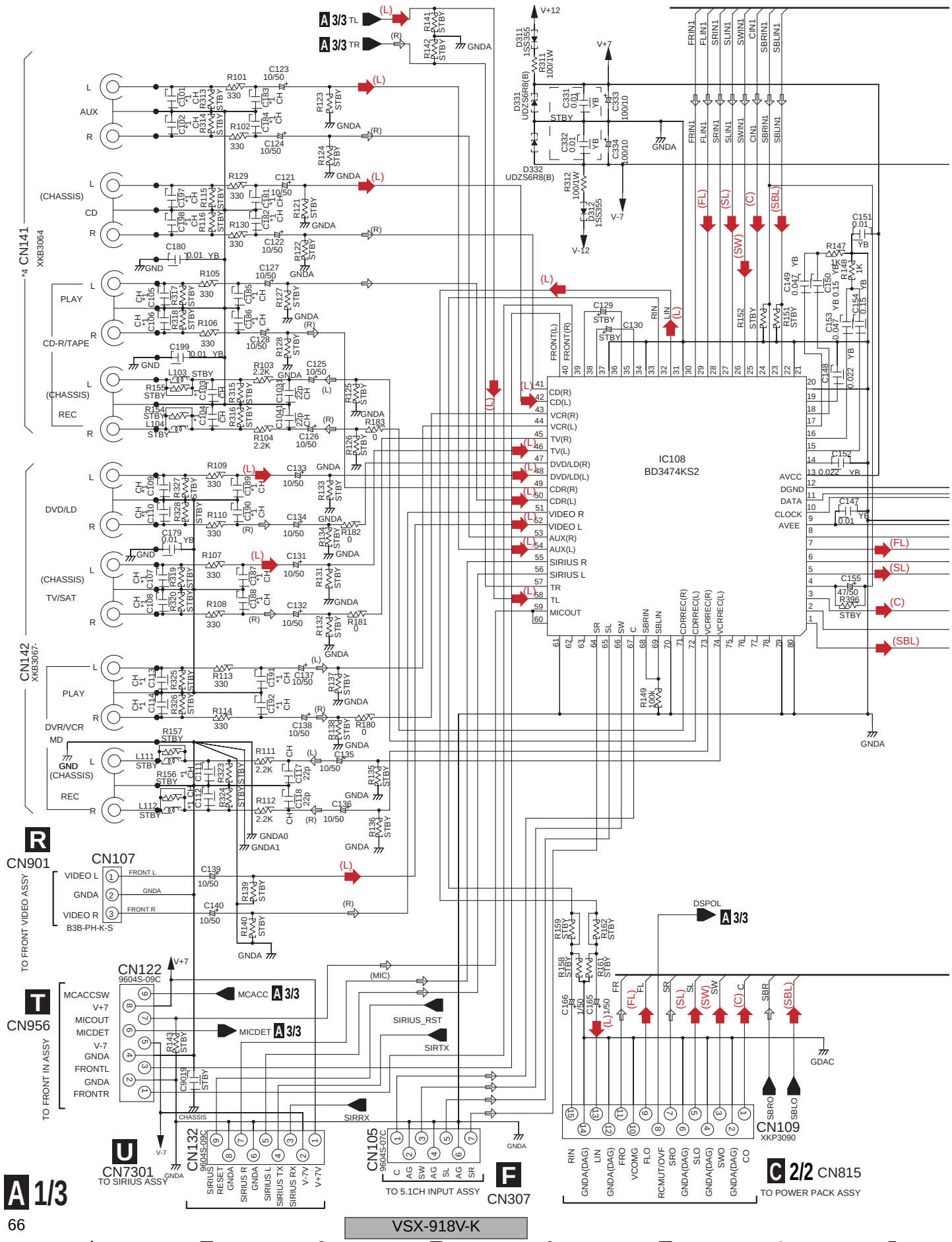
(2) CONTRAST TABLE

VSX-918V-K/KUXJ/CA, VSX-918V-S/KUXJ/CA, VSX-818V-K/KUXJ/CA and VSX-818V-S/KUXJ/CA are constructed the same except for the following:

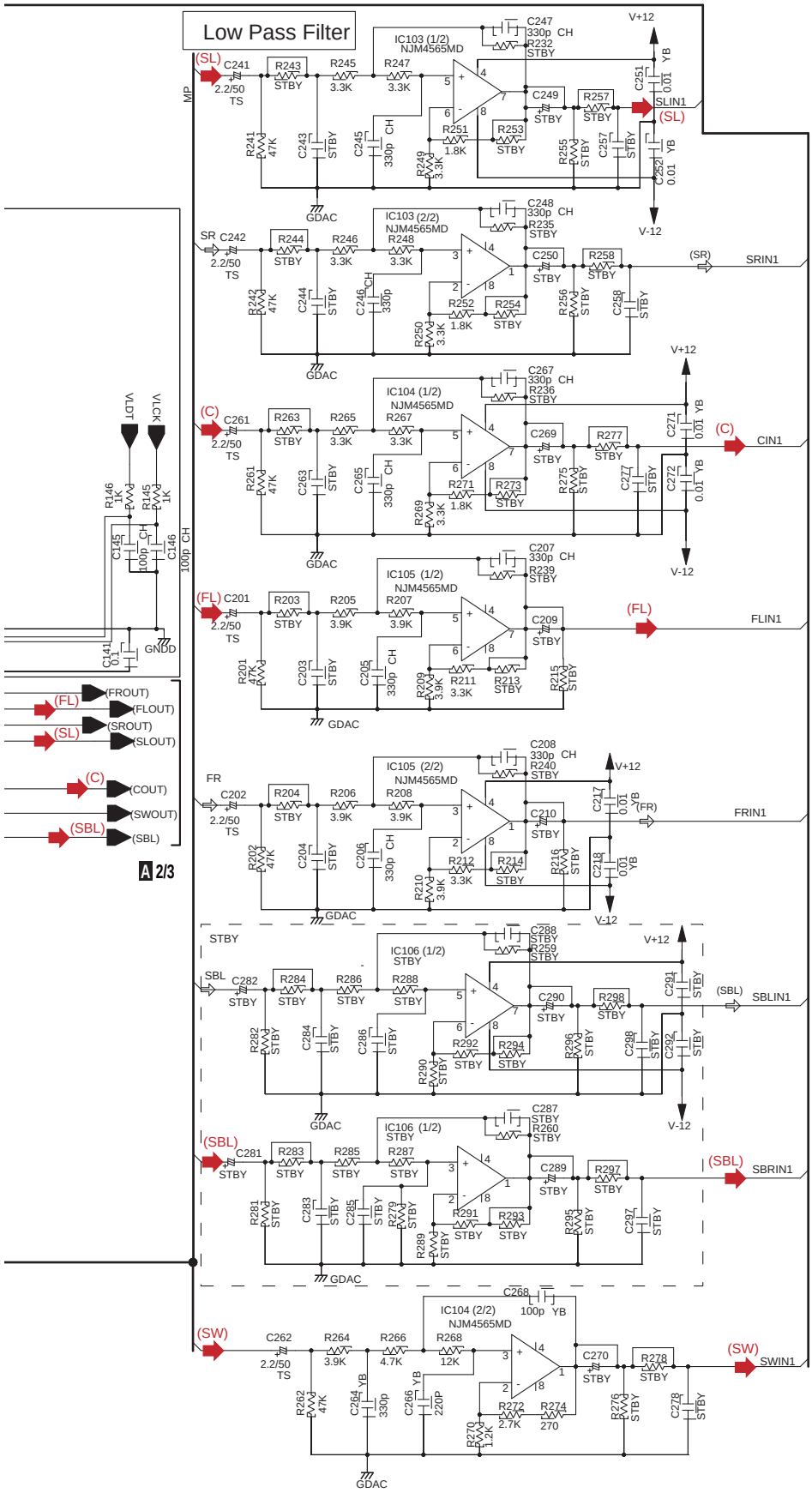
Mark	No.	Symbol and Description	VSX-918V-K /KUXJ/CA	VSX-918V-S /KUXJ/CA	VSX-818V-K /KUXJ/CA	VSX-818V-S /KUXJ/CA
	1	FRONT DISPLAY Assy	XWZ4285	XWZ4285	XWZ4284	XWZ4284
	3	POWER KEY Assy	XWZ4288	XWZ4288	XWZ4287	XWZ4287
	13	VOL Knob V4	XAB3053	XAB3056	XAB3053	XAB3056
	14	VOL Knob V5	XAB3058	XAB3059	XAB3058	XAB3059
	15	STANDBY BTN Assy	XAD3216	XAD3217	Not used	Not used
	15	STANDBY BTN	Not used	Not used	XAD3202	XAD3208
	16	D Panel	XAK3593	XAK3593	XAK3594	XAK3594
NSP	17	F Panel Assy	XXG3342	XXG3343	XXG3351	XXG3352
	18	FUNC BTN	XAD3257	XAD3258	XAD3257	XAD3258
	19	SUB BTN	XAD3259	XAD3260	XAD3259	XAD3260
	20	TUNER BTN	XAD3261	XAD3262	XAD3261	XAD3262
	21	C Lens V3	XAK3534	XAK3534	Not used	Not used
	22	Pioneer Name Plate	XAM3006	VAM1129	XAM3006	VAM1129
	23	FRT Panel	XMB3291	XMB3292	XMB3300	XMB3301

10. SCHEMATIC DIAGRAM

10.1 MAIN ASSY (1/3)

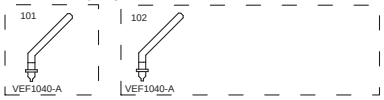


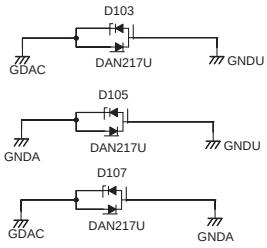
A 1/3 MAIN ASSY (VSX-918V:XWK3362) (VSX-818V:XWK3358)



NOTES: NO INDICATED PARTS IS....
RESISTOR: RS1/16S***J-T, RS1/10S***J-T
CHEMICAL CAPACITOR: CEAT***M**-T,-TS
CERAMIC CAPACITOR: CCSRCH****50-T
CKSRYB****50-T
(SQ):CKSQ.CCSQ
( ) : AUDIO SIGNAL FLOW

For Wire Styling





*1	Not used

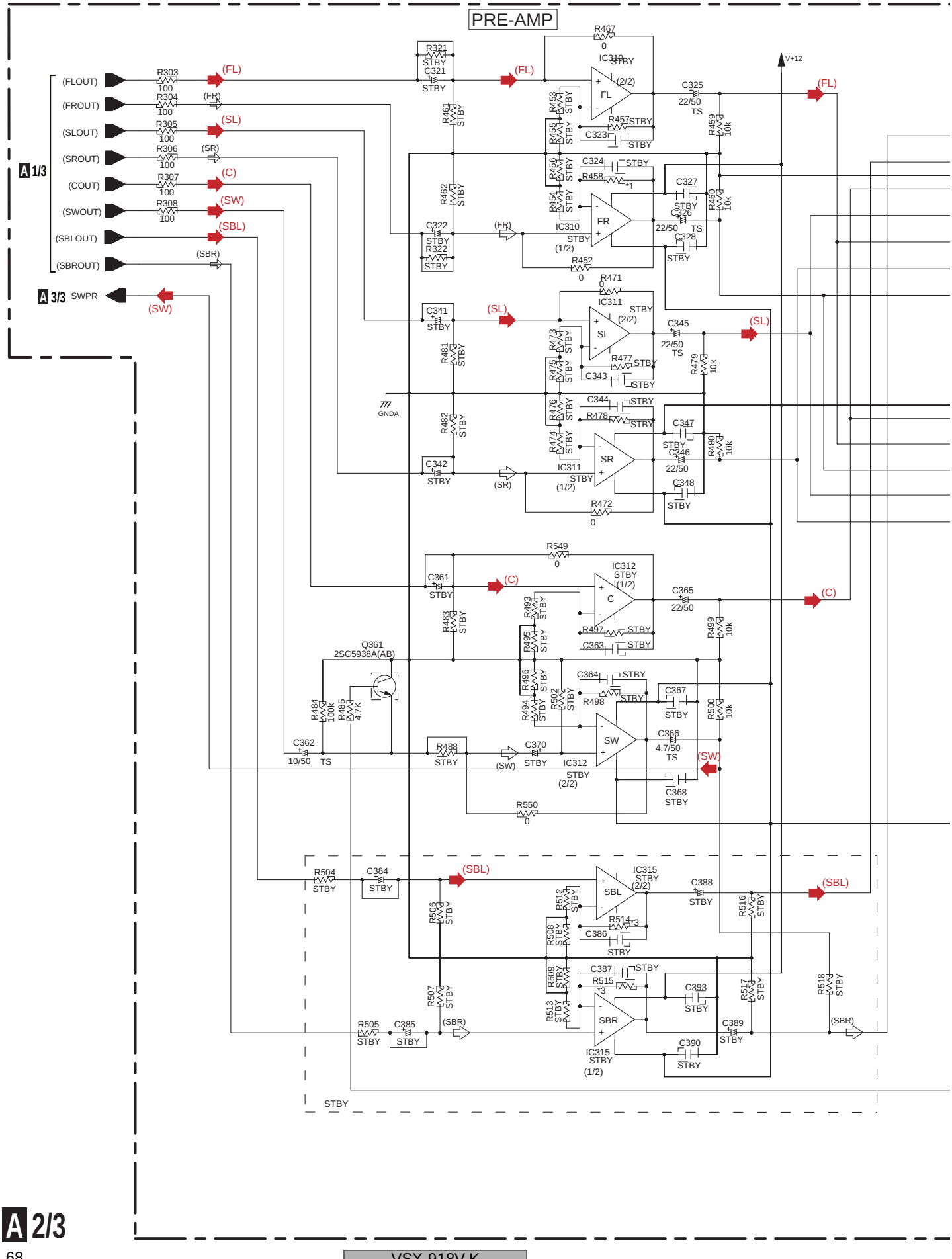
*4	VSX-918V, VSX-818V
CN141	XKB3064

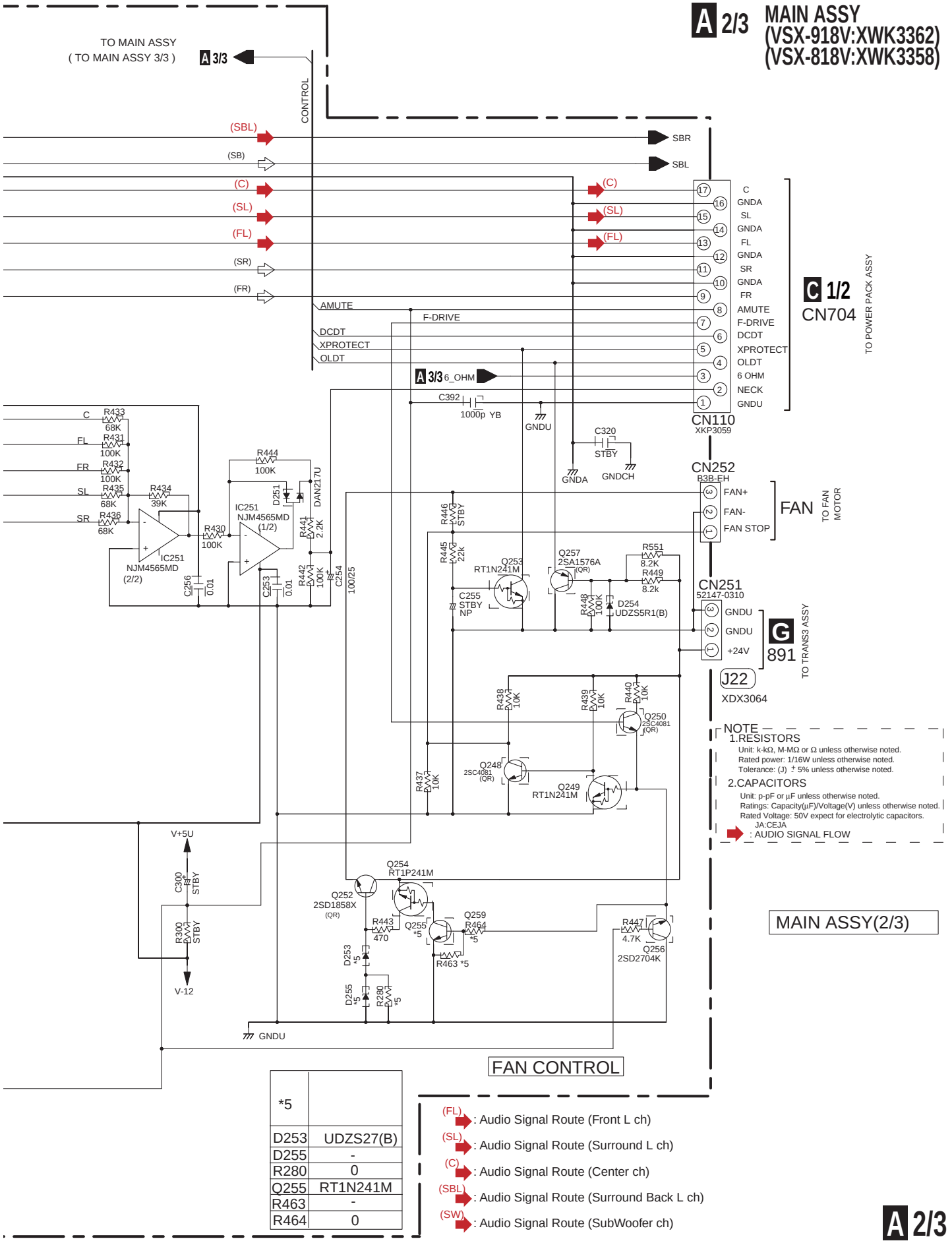
MAIN ASSY(1/3)

(L) : Audio Signal Route (L ch)
(M) : Audio Signal Route (Mic ch)
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)

A 1/3

10.2 MAIN ASSY (2/3)





NOTE
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ± 5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
JA:CEJA
: AUDIO SIGNAL FLOW

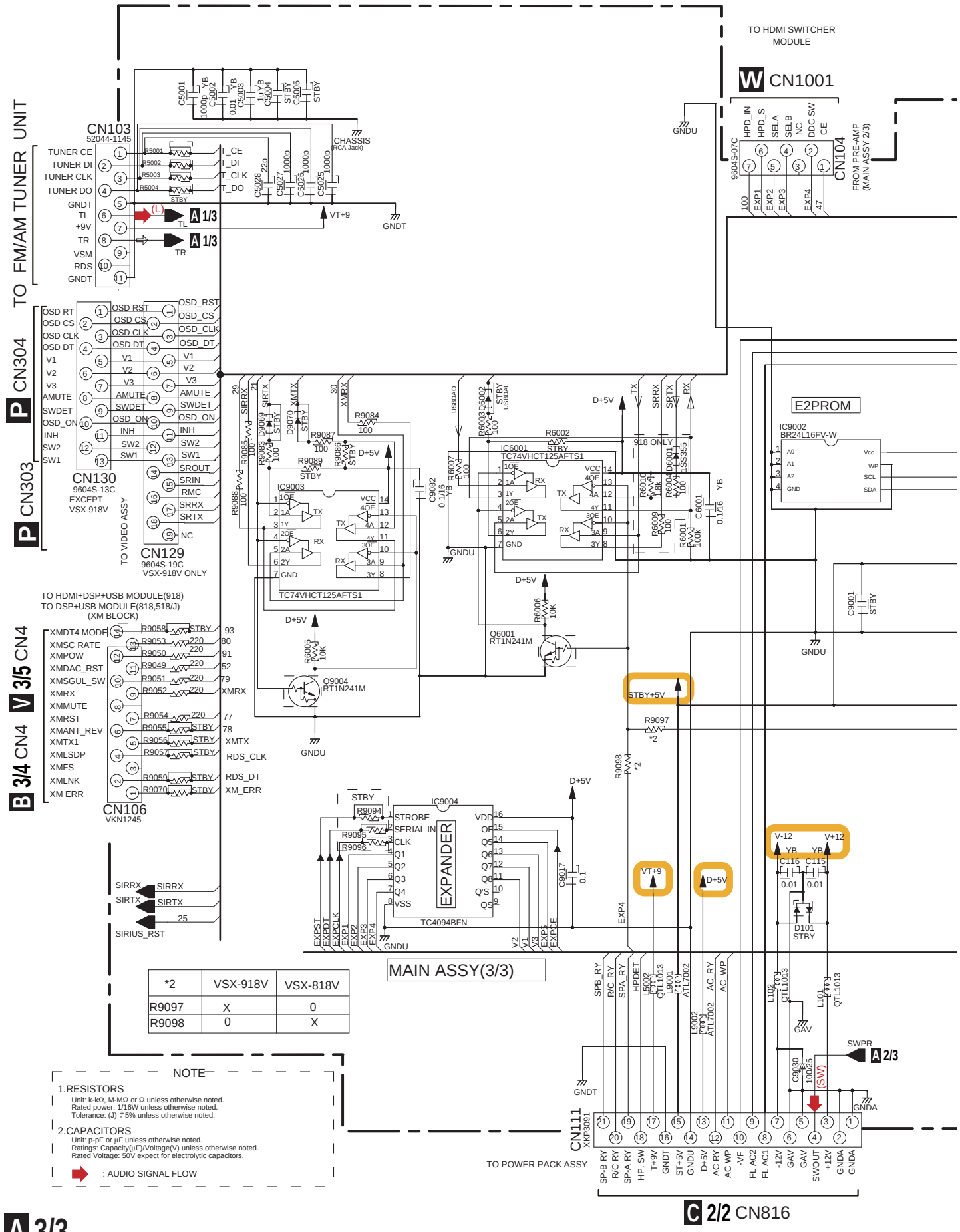
MAIN ASSY(2/3)

FAN CONTROL

*5	
D253	UDZS27(B)
D255	-
R280	0
Q255	RT1N241M
R463	-
R464	0

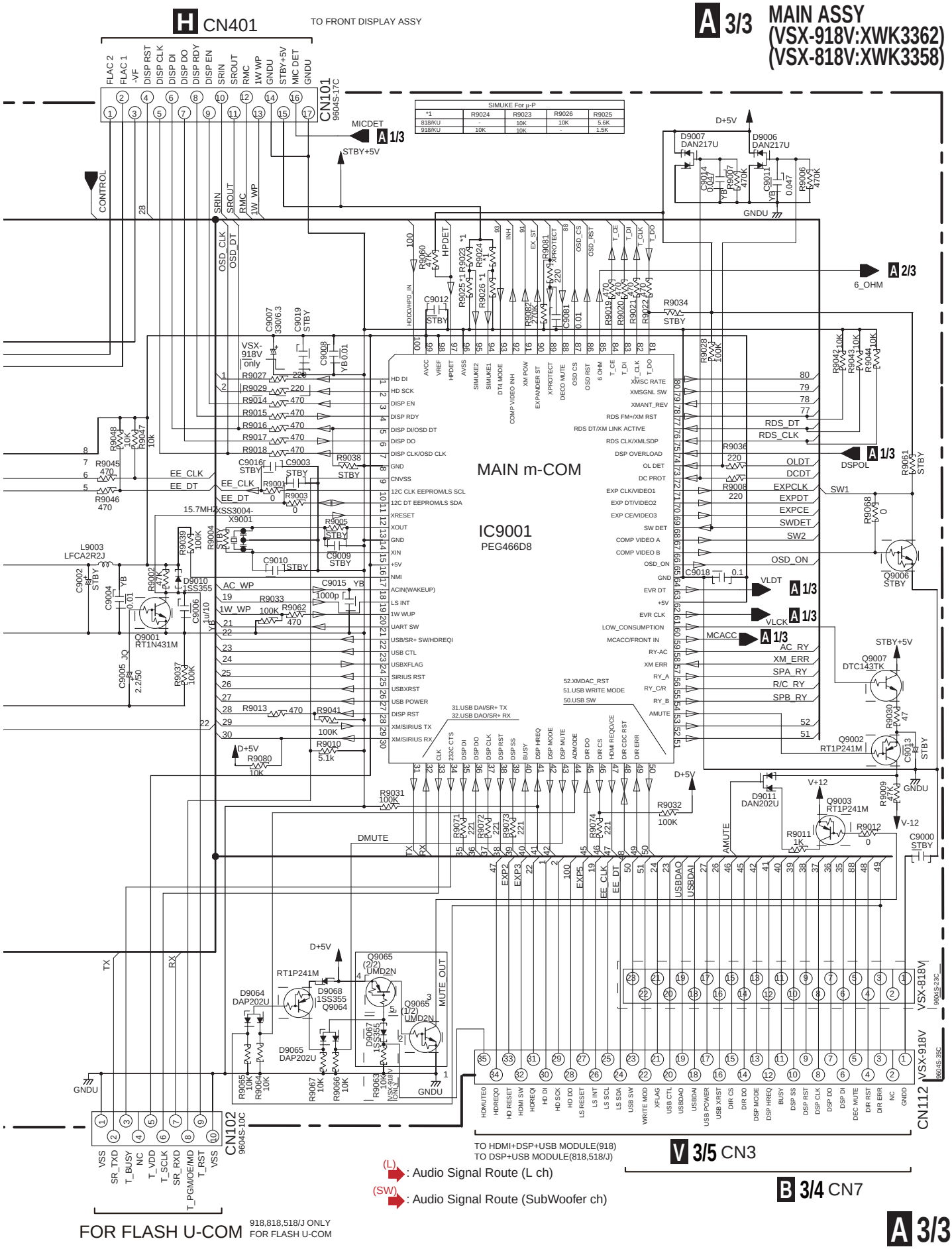
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)

10.3 MAIN ASSY (3/3)

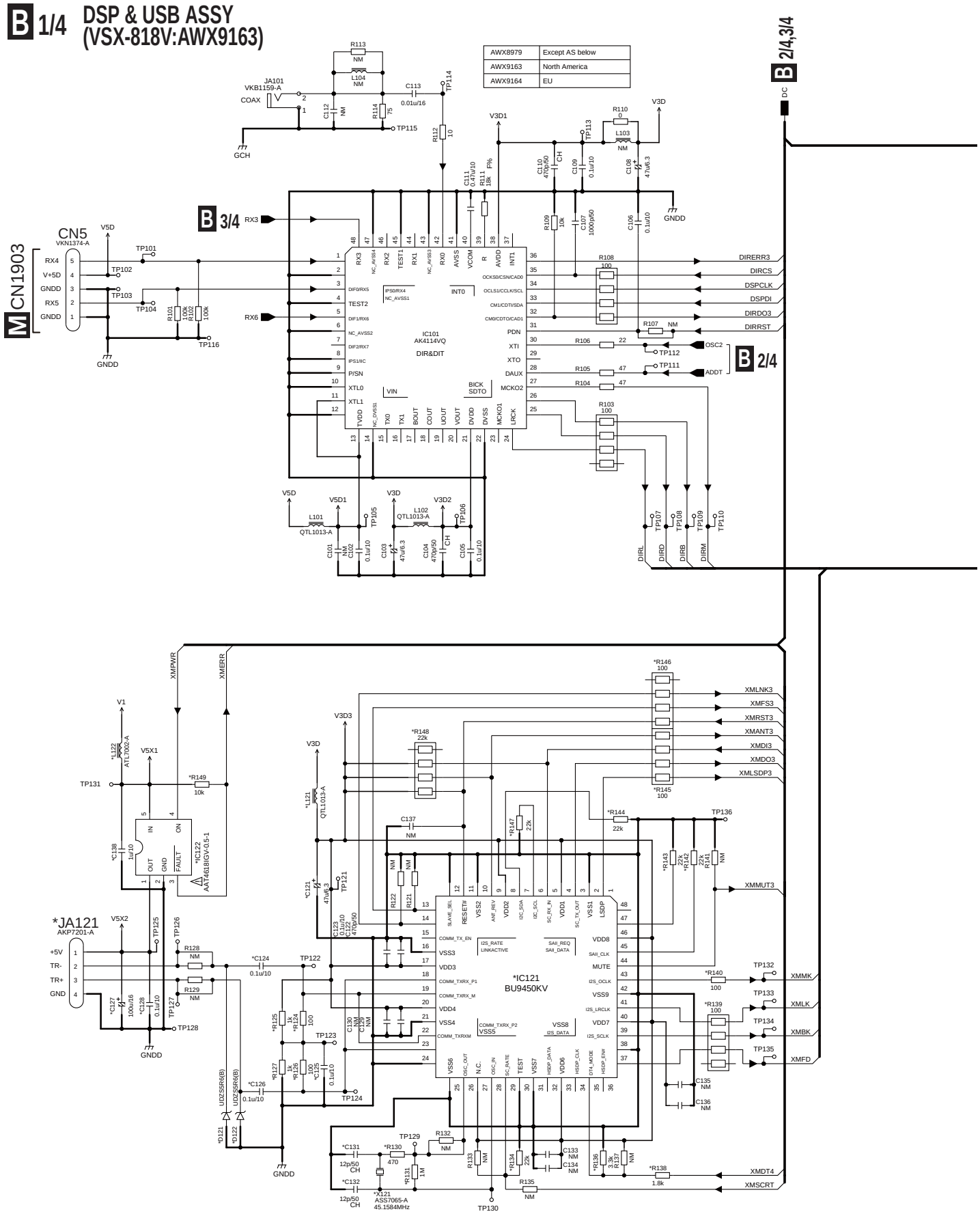


*2	VSX-918V	VSX-818V
R9097	X	0
R9098	0	X

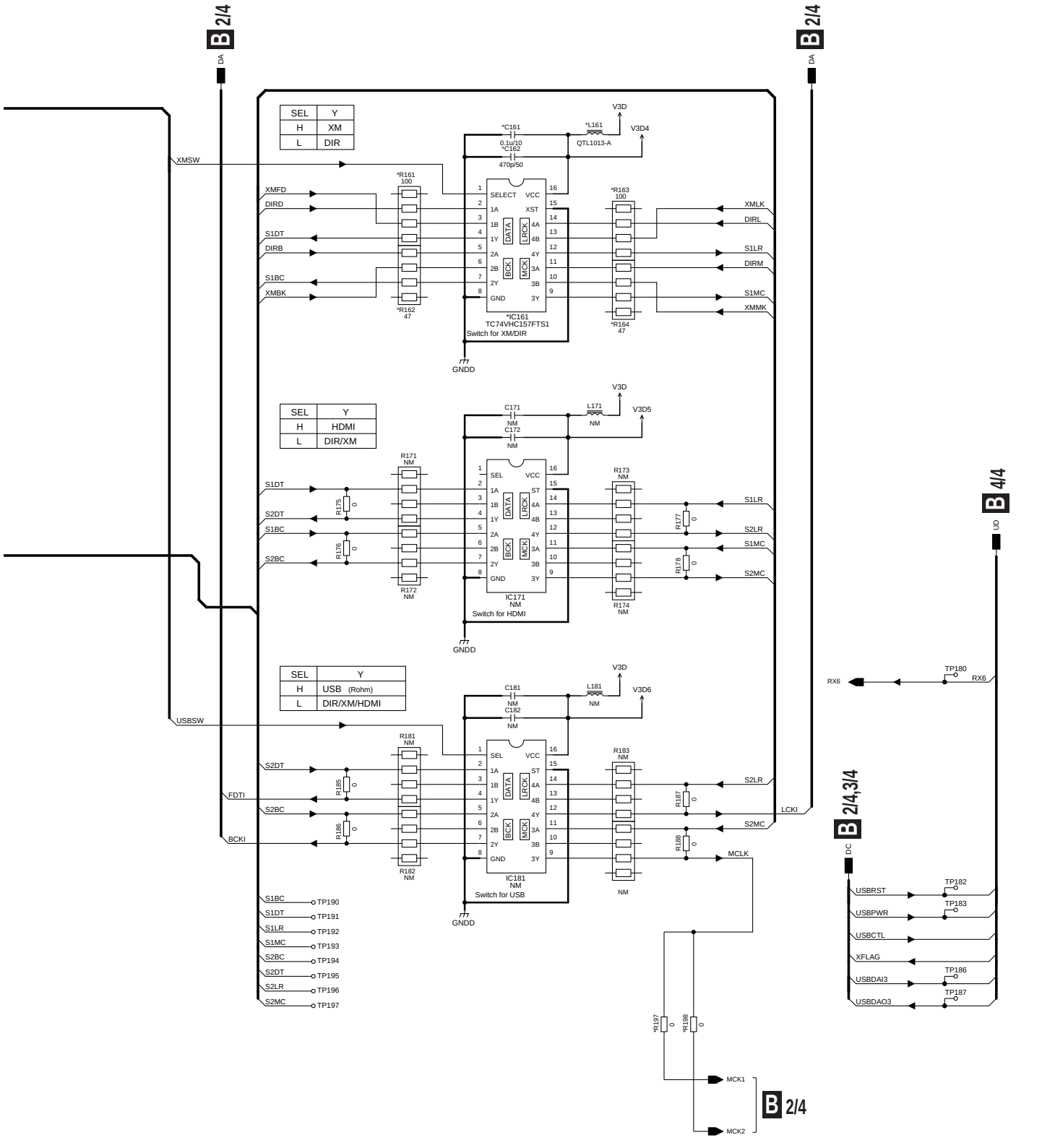
A 3/3 MAIN ASSY (VSX-918V:XWK3362) (VSX-818V:XWK3358)



10.4 DSP & USB ASSY (1/4)

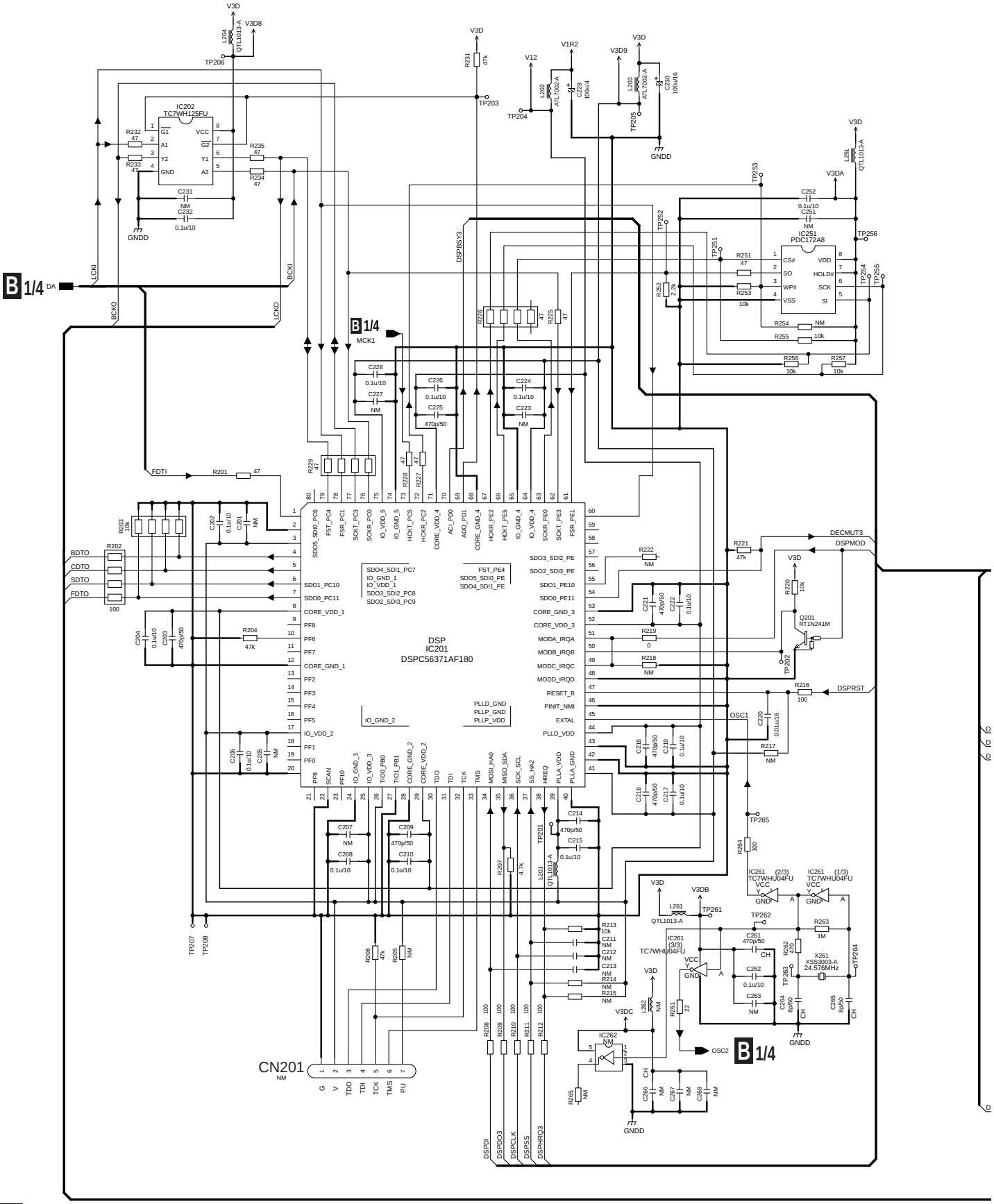


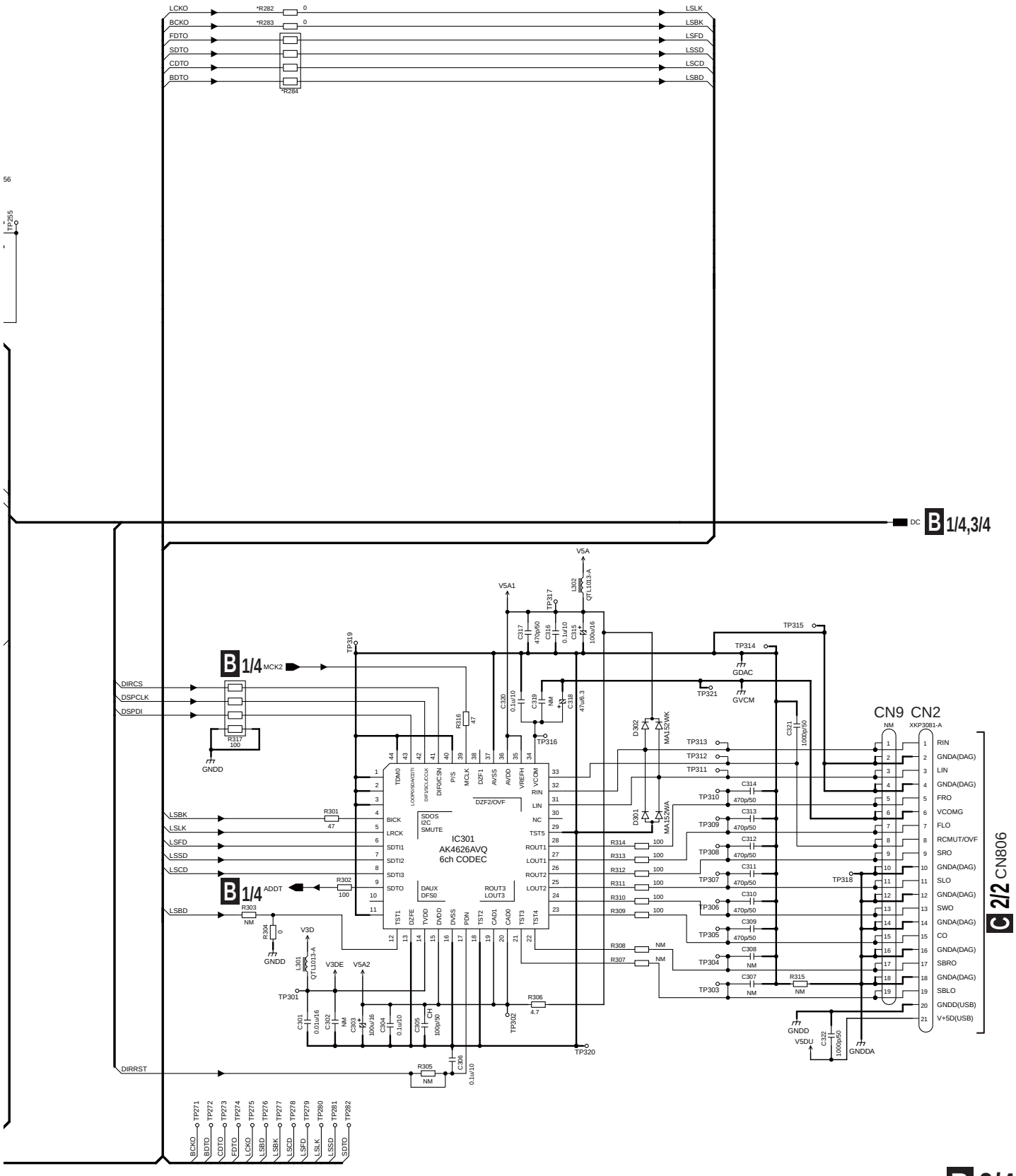
B 1/4


B 2/4
DA
B 2/4
DA
SEL Y
H XM
L DIR
XMSW
XMFD
DIRD
S1DT
DIRB
S1BC
XMBK
*R161 100
*R162 47
*C161
0.1u/10
*C162
470p/50
*L161
QTL1013-A
V3D
V3D4
*IC161
TC74VHC157FTS1
Switch for XM/DIR
*R163 100
*R164 47
XMLK
DIRL
S1LR
DIRM
S1MC
XMMK
GNDD
SEL Y
H HDMI
L DIR/XM
C171 NM
C172 NM
L171 NM
V3D5
R171 NM
R172 NM
R173 NM
R174 NM
R175 0
R176 0
R177 0
R178 0
IC171 NM
Switch for HDMI
S1LR
S2LR
S1MC
S2MC
SEL Y
H USB (Rohm)
L DIR/XM/HDMI
C181 NM
C182 NM
L181 NM
V3D6
R181 NM
R182 NM
R183 NM
R185 0
R186 0
R187 0
R188 0
IC181 NM
Switch for USB
USBSW
FDTI
BCKI
LCKI
MCLK
S1BC TP190
S1DT TP191
S1LR TP192
S1MC TP193
S2BC TP194
S2DT TP195
S2LR TP196
S2MC TP197
*R197 0
*R198 0
MCK1
MCK2
B 2/4
B 4/4
UD
RX6
TP180
B 2/4,3/4
I2C
USBRST
USBPWR
USBCTL
XFLAG
USBDAI3
USBDAO3
TP182
TP183
TP186
TP187

10.5 DSP & USB ASSY (2/4)

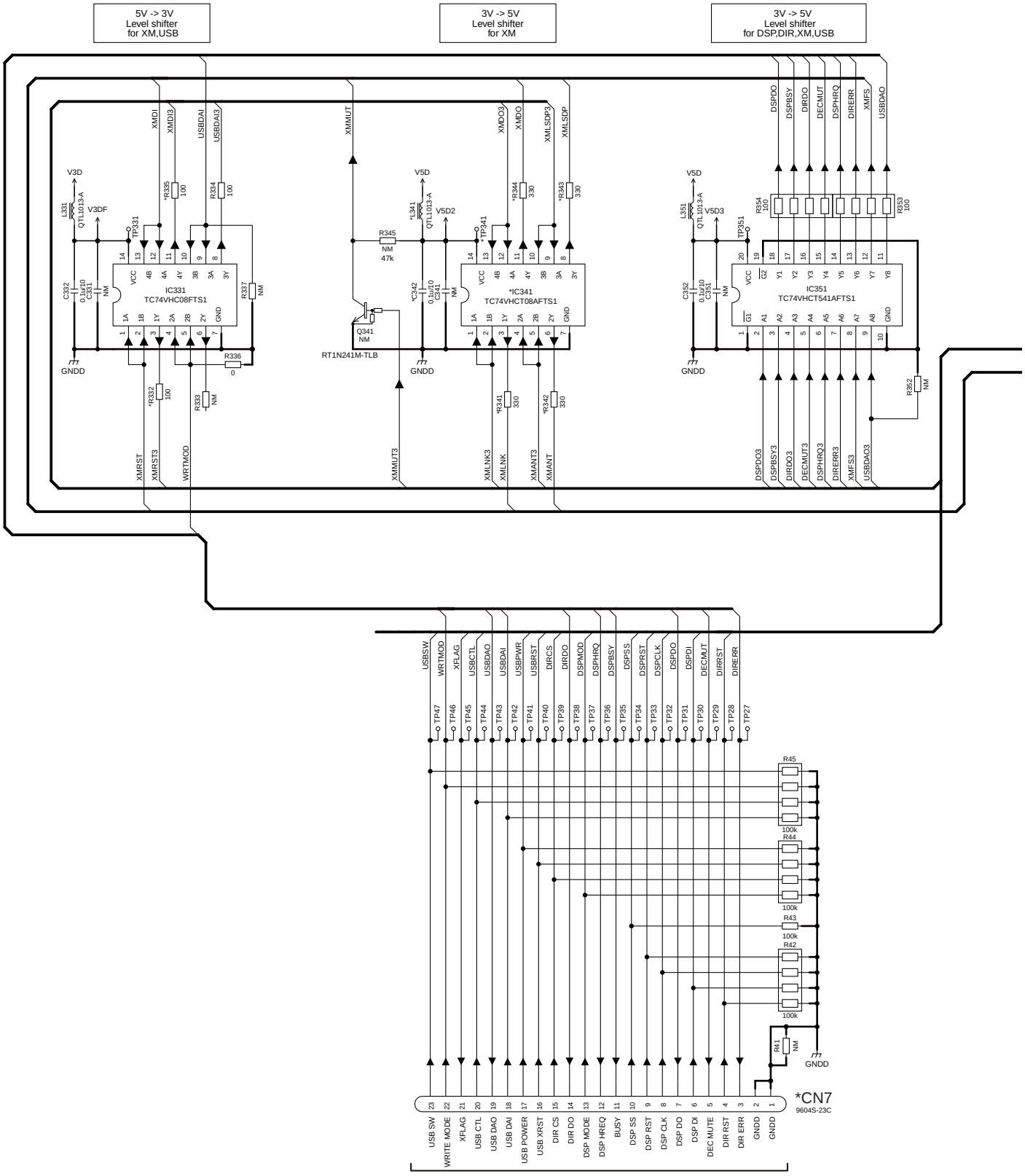
B 2/4 DSP & USB ASSY (VSX-818V:AWX9163)




LCKO
BCKO
FDTO
SDTO
CDTO
BDTO
*R282
*R283
*R284
LSLK
LSBK
LSFD
LSSD
LSCD
LSBD
DC
B 1/4,3/4
B 1/4 MCK2
B 1/4 ADDT
DIRCS
DSPCLK
DSPDI
DIRRST
IC301
AK4626AVQ
6ch CODEC
V5A
V5A1
V5A2
V3D
V3DE
GNDD
GDAC
GVCM
CN9 CN2
XKP3081-A
C 2/2 CN806
RIN
GNDA(DAG)
LIN
FRO
VCOMG
FLO
RCMUT/OVF
SRO
SLO
SWO
CO
SBRO
SBLO
GNDD(USB)
V+5D(USB)
V5DU
GNDA
B 2/4

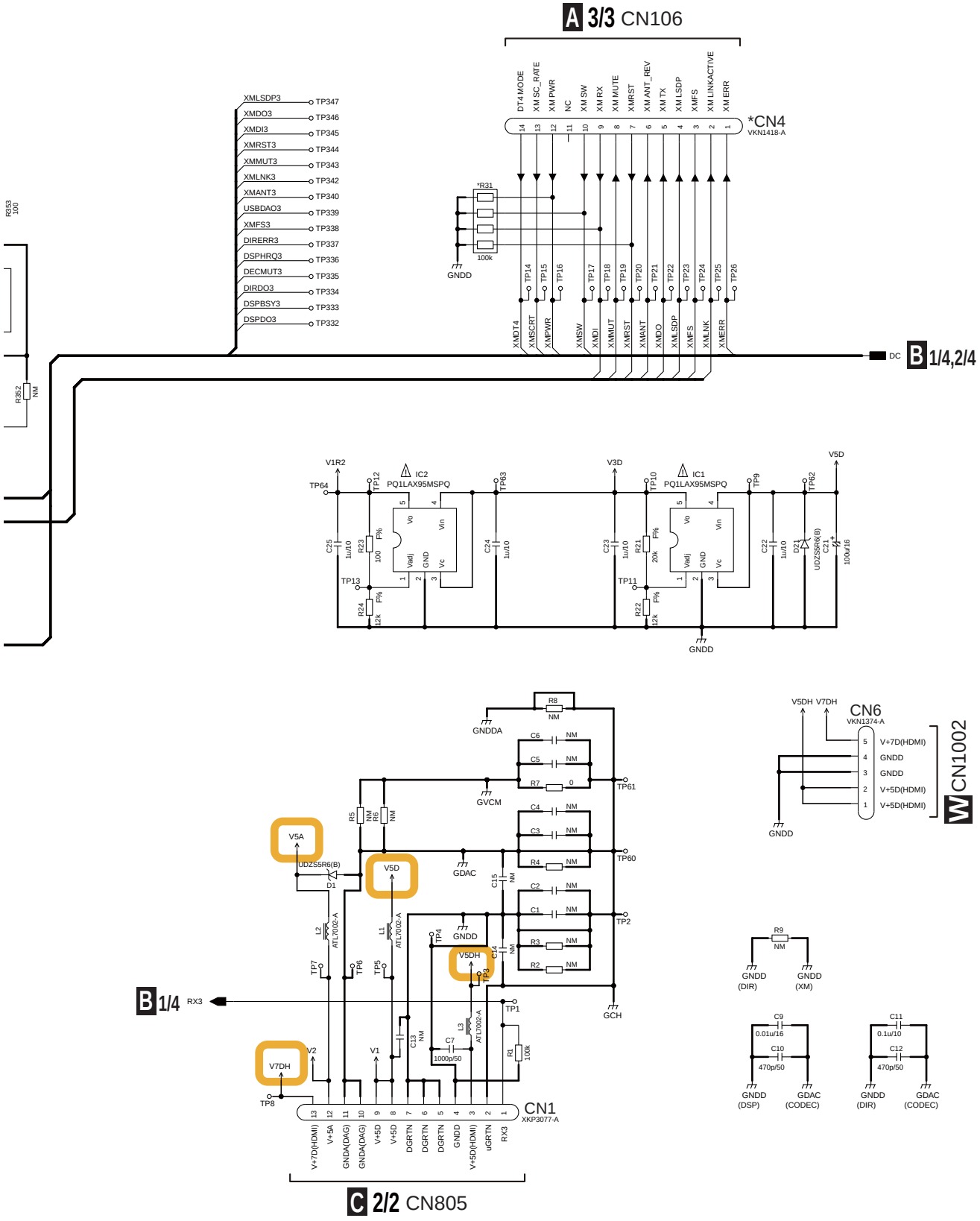
10.6 DSP & USB ASSY (3/4)

B 3/4 DSP & USB ASSY (VSX-818V:AWX9163)



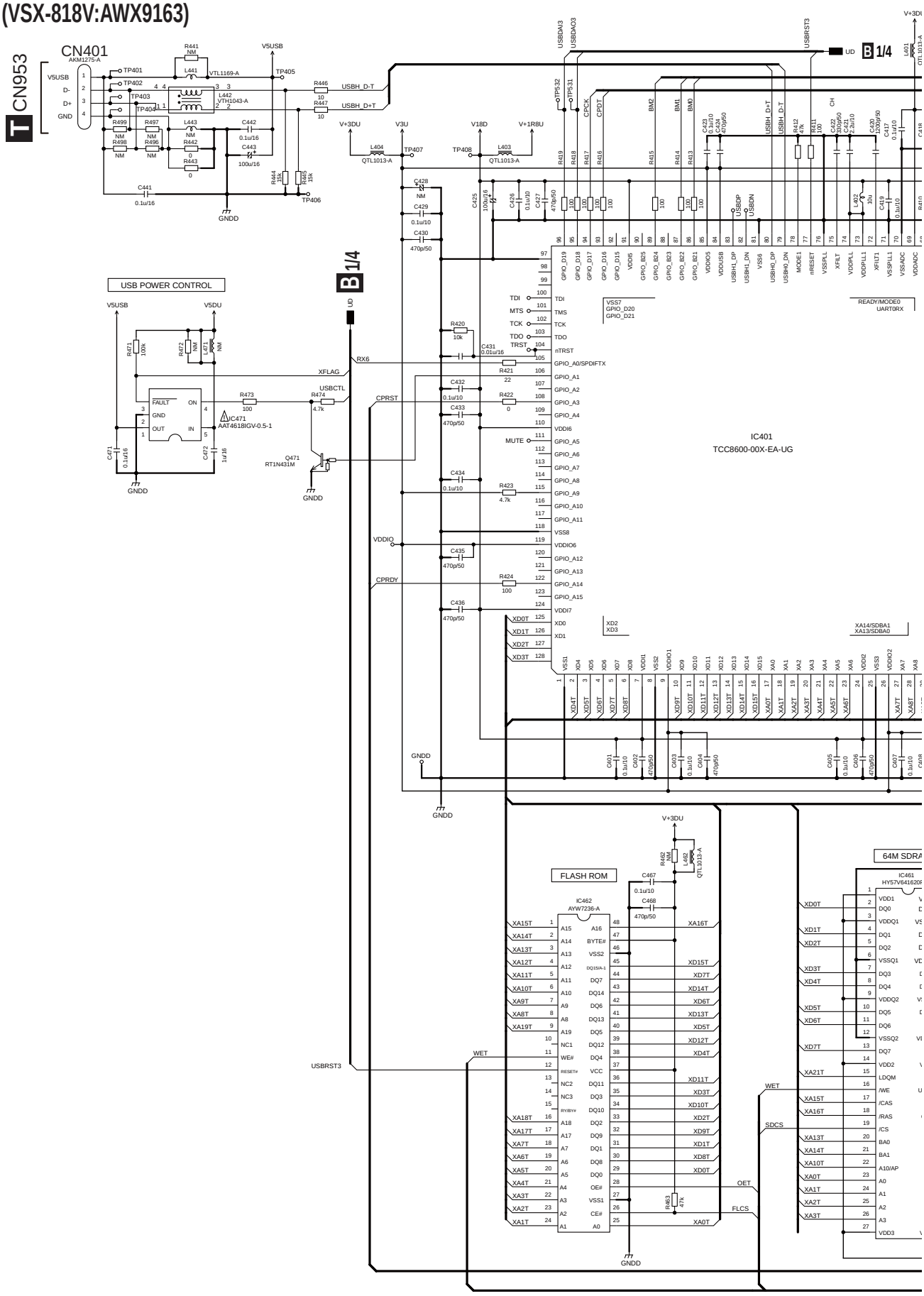
A 3/3 CN112

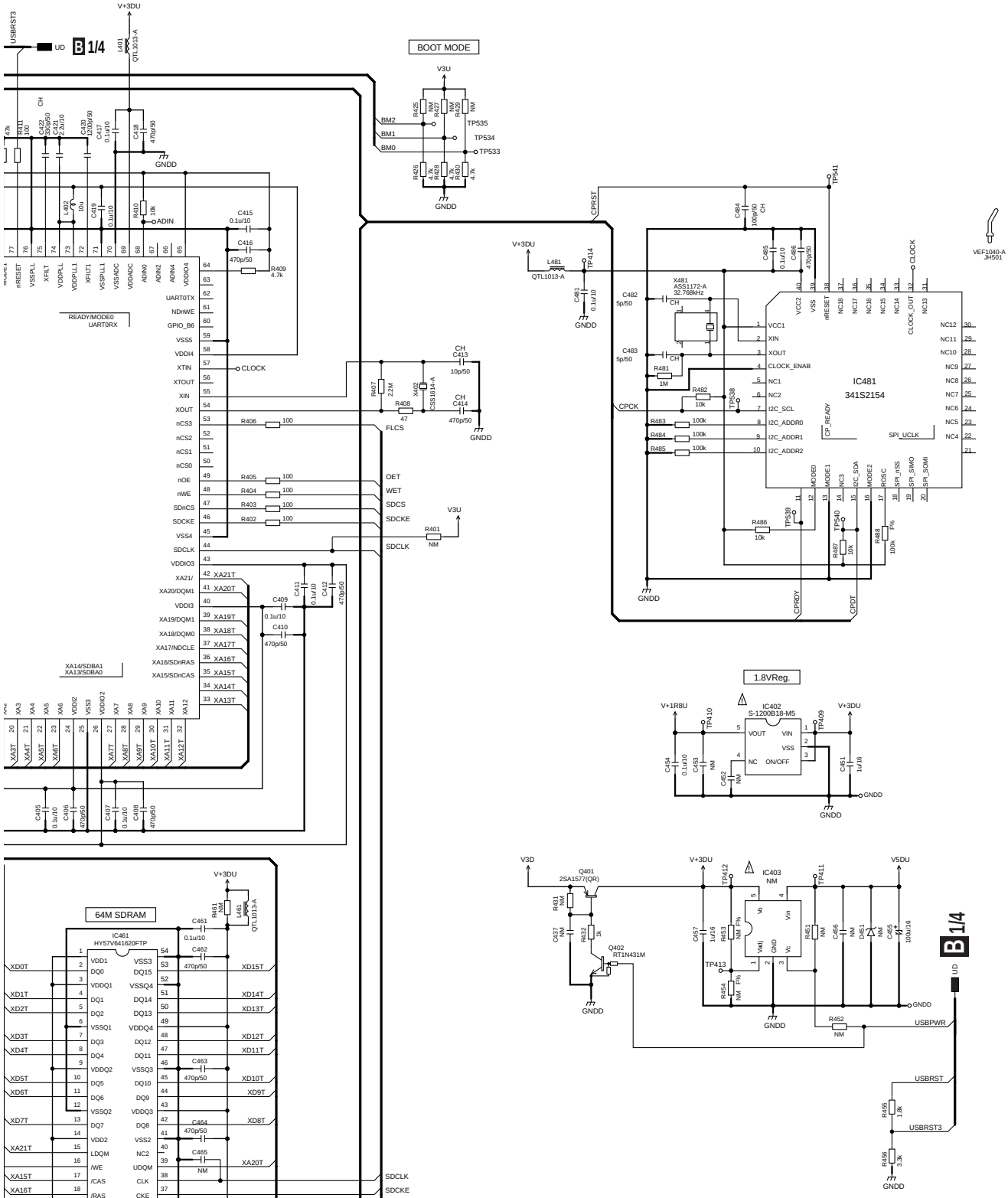
B 3/4


A 3/3 CN106
*CN4
VKN1418-A
DT4 MODE
XM SC_RATE
XM PWR
NC
XM SW
XM RX
XM MUTE
XMRST
XM ANT_REV
XM TX
XM LSDP
XMFS
XM LINKACTIVE
XM ERR
XMLSDP3
XMDO3
XMDI3
XMRST3
XMMUT3
XMLNK3
XMANT3
USBDAO3
XMFS3
DIRERR3
DSPHRQ3
DECMUT3
DIRDO3
DSPBSY3
DSPDO3
TP347
TP346
TP345
TP344
TP343
TP342
TP340
TP339
TP338
TP337
TP336
TP335
TP334
TP333
TP332
*R31
100k
GNDD
XMDT4
XMSCRT
XMPWR
XMSW
XMDI
XMMUT
XMRST
XMANT
XMDO
XMLSDP
XMFS
XMLNK
XMERR
DC
B 1/4,2/4
R263 100
R262 NM
V1R2
TP64
IC2
PQ1LAX95MSPQ
TP12
TP63
V3D
IC1
PQ1LAX95MSPQ
TP10
TP9
TP62
V5D
C25 1u/10
R23 100 1%
C24 1u/10
C23 1u/10
R21 20k 1%
C22 1u/10
D21 UDZS5R6(B)
C21 100u/16
TP13
R24 12k 1%
TP11
R22 12k 1%
GNDD
R8 NM
GNDDA
C6 NM
C5 NM
R7 0
TP61
GVCM
C4 NM
C3 NM
R4 NM
TP60
R5 NM
R6 NM
V5A
UDZS5R6(B)
D1
V5D
GDAC
C15 NM
C2 NM
C1 NM
TP2
L2 ATL7002-A
L1 ATL7002-A
TP4
GNDD
R3 NM
V5DH
C14 NM
R2 NM
TP7
TP6
TP5
TP3
B 1/4 RX3
TP1
GCH
V7DH
TP8
V2
V1
C13 NM
C7 1000p/50
L3 ATL7002-A
R1 100k
CN1
XKP3077-A
V+7D(HDMI)
V+5A
GNDA(DAG)
GNDA(DAG)
V+5D
V+5D
DGRTN
DGRTN
DGRTN
GNDD
V+5D(HDMI)
uGRTN
RX3
C 2/2 CN805
V5DH V7DH
CN6
VKN1374-A
V+7D(HDMI)
GNDD
GNDD
V+5D(HDMI)
V+5D(HDMI)
GNDD
W CN1002
R9 NM
GNDD (DIR)
GNDD (XM)
C9 0.01u/16
C10 470p/50
GNDD (DSP)
GDAC (CODEC)
C11 0.1u/10
C12 470p/50
GNDD (DIR)
GDAC (CODEC)

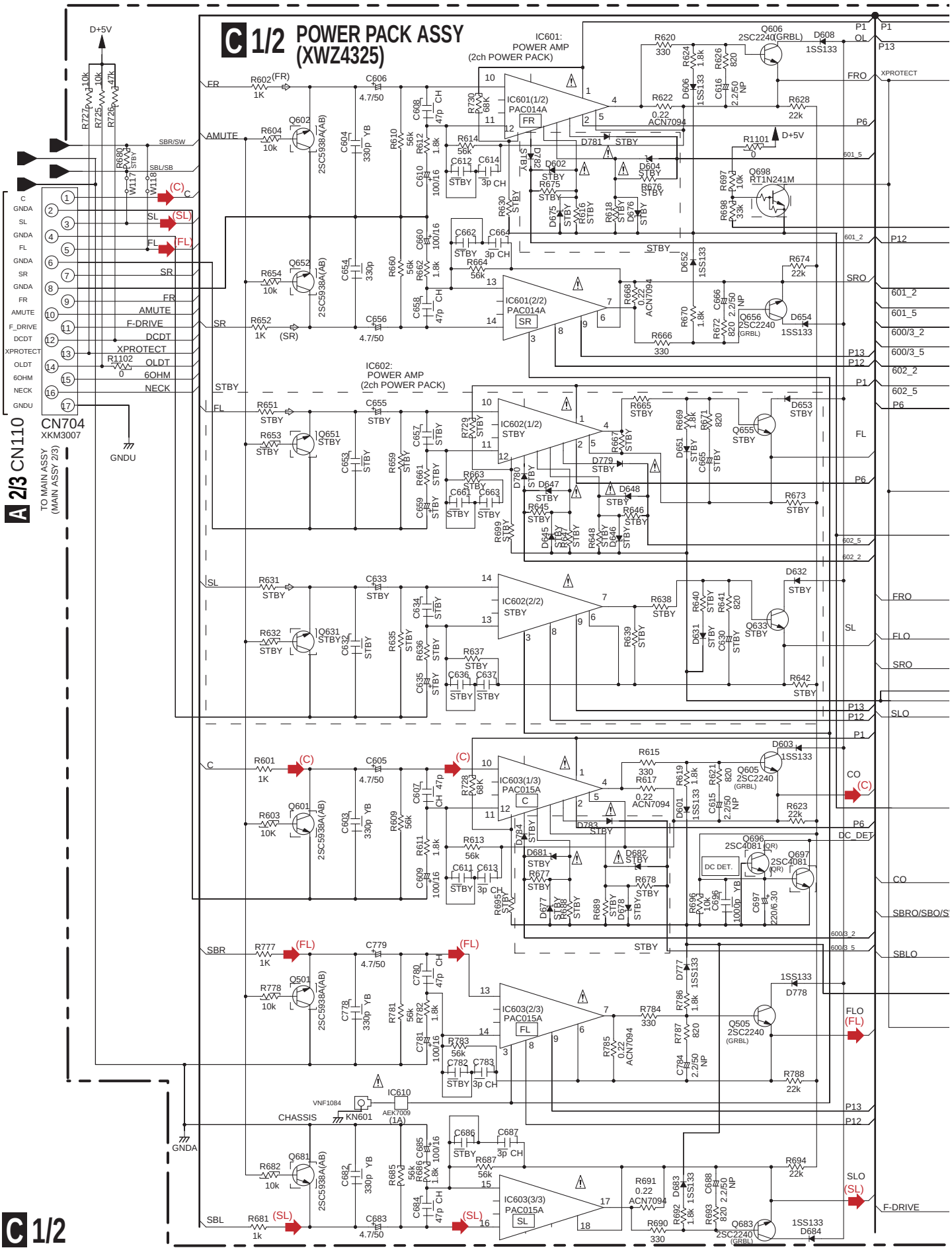
10.7 DSP & USB ASSY (4/4)

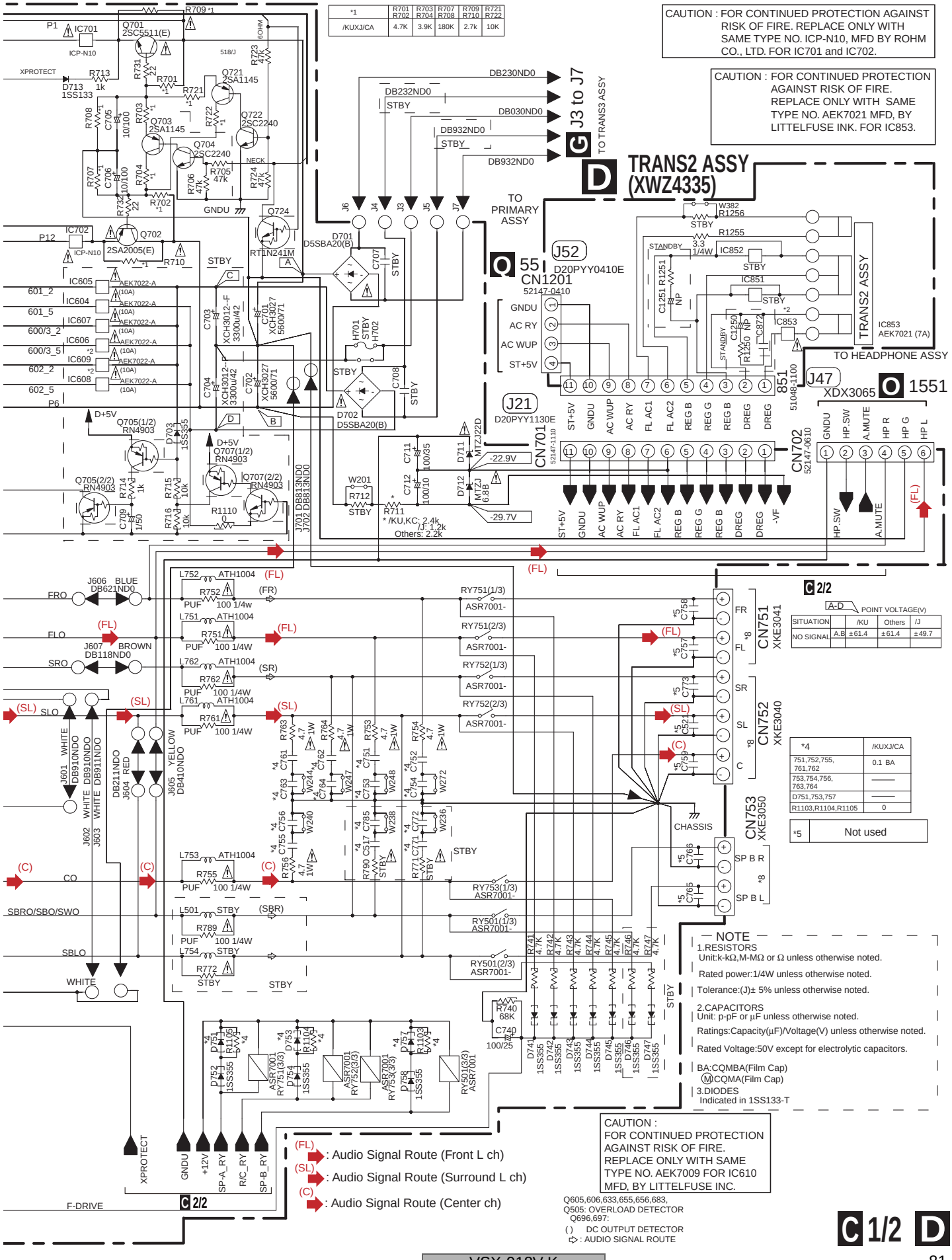
B 4/4 DSP & USB ASSY (VSX-818V:AWX9163)




USBRST3
UD
B 1/4
V+3DU
L401
QTL1013-A
BOOT MODE
V3U
BM2
BM1
BM0
TP535
TP534
TP533
GNDD
CH
R405
R406
R407
R408
R409
R410
R411
C415
C416
C417
C418
C419
C420
C421
C422
C423
L402
ADIN
READY/MODE0
UART0RX
CLOCK
XTIN
XTOUT
XIN
XOUT
nCS3
nCS2
nCS1
nCS0
nOE
nWE
SDnCS
SDCKE
VSS4
SDCLK
VDDIO3
FLCS
OET
WET
SDCS
SDCKE
SDCLK
V3U
R401
NM
X402
CSS1614-A
C413
C414
C409
C410
C411
C412
XA21T
XA20T
XA19T
XA18T
XA17T
XA16T
XA15T
XA14T
XA13T
XA21/
XA20/DQM1
XA19/DQM1
XA18/DQM0
XA17/NDCLE
XA16/SDnRAS
XA15/SDnCAS
XA14/SDBA1
XA13/SDBA0
C405
C406
C407
C408
64M SDRAM
IC461
HY57V641620FTP
C461
C462
C463
C464
C465
C466
R461
L461
QTL1013-A
XD0T
XD1T
XD2T
XD3T
XD4T
XD5T
XD6T
XD7T
XA21T
XA15T
XA16T
XA13T
XA14T
XA10T
XA0T
XA1T
XA2T
XA3T
XD15T
XD14T
XD13T
XD12T
XD11T
XD10T
XD9T
XD8T
XA20T
XA12T
XA11T
XA9T
XA8T
XA7T
XA6T
XA5T
XA4T
SDCLK
SDCKE
CPRST
TP541
C484
100p/50
C485
C486
0.1u/10
470p/50
CLOCK
VEF1040-A
JH501
L481
QTL1013-A
TP414
C481
C482
5p/50
C483
5p/50
X481
ASS1172-A
32.768kHz
IC481
341S2154
VCC1
XIN
XOUT
CLOCK_ENAB
NC1
NC2
I2C_SCL
I2C_ADDR0
I2C_ADDR1
I2C_ADDR2
NC12
NC11
NC10
NC9
NC8
NC7
NC6
NC5
NC4
R481
1M
R482
10k
R483
100k
R484
100k
R485
100k
CPCK
TP538
CP_READY
SPI_UCLK
TP539
TP540
R486
10k
R487
10k
R488
100k
CPRDY
CPDT
1.8VReg.
IC402
S-1200B18-M5
V+1R8U
TP410
TP409
C454
C453
C452
C451
Q401
2SA1577(QR)
Q402
RT1N431M
R431
R432
1k
C427
C428
IC403
NM
TP412
TP411
TP413
R453
R454
R451
R452
C467
C468
C465
D451
USBPWR
USBRST
USBRST3
R455
1.8k
R456
3.3k
VSDU
V3D

10.8 POWER PACK (1/2) and TRANS2 ASSYS





*1	R701 R702	R703 R704	R707 R708	R709 R710	R721 R722
/KUXJ/CA	4.7K	3.9K	180K	2.7k	10K

SITUATION		/KU	Others	/J
NO SIGNAL	A,B	±61.4	±61.4	±49.7
	C,D	±61.4	±61.4	±49.7

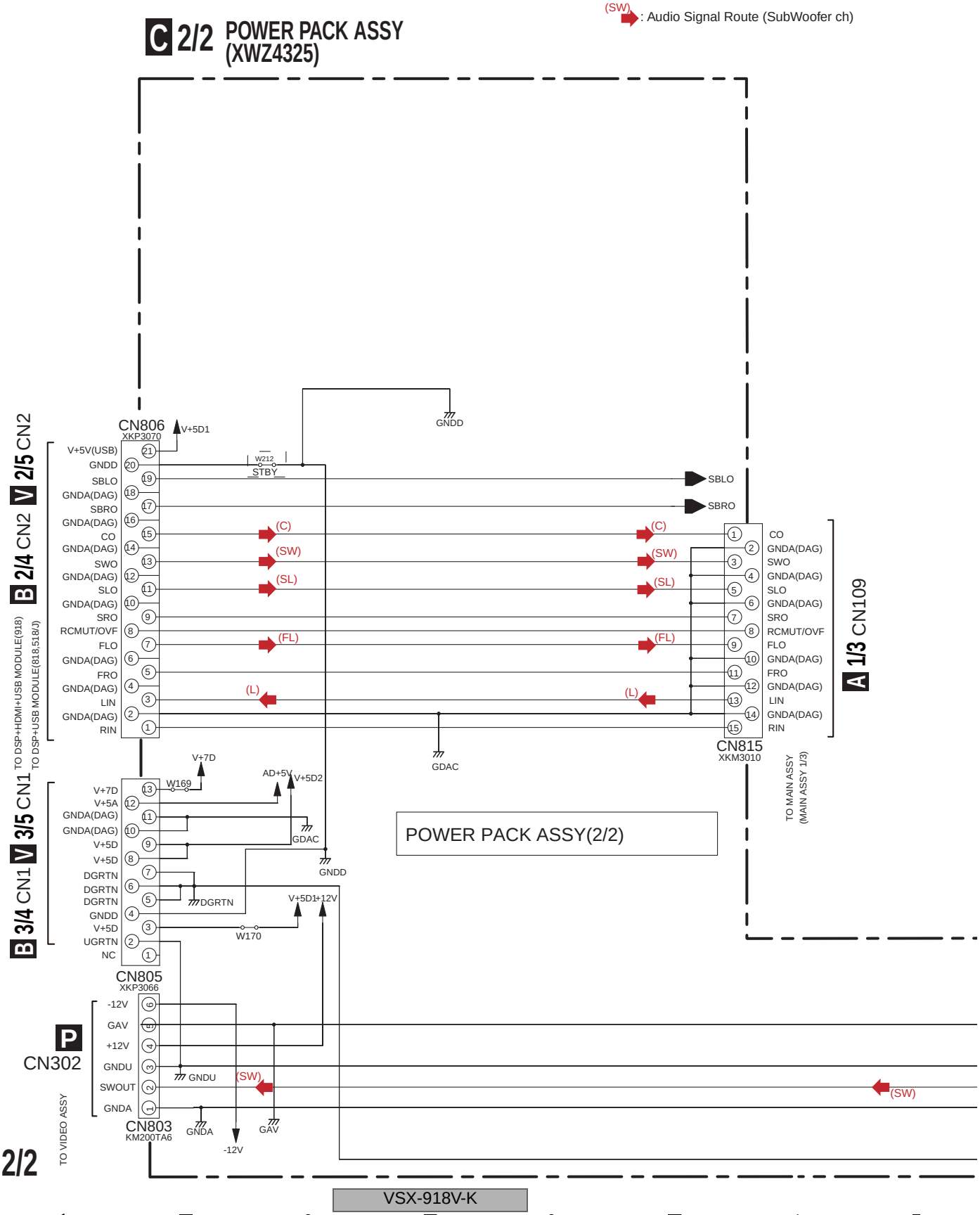
A-D POINT VOLTAGE(V)

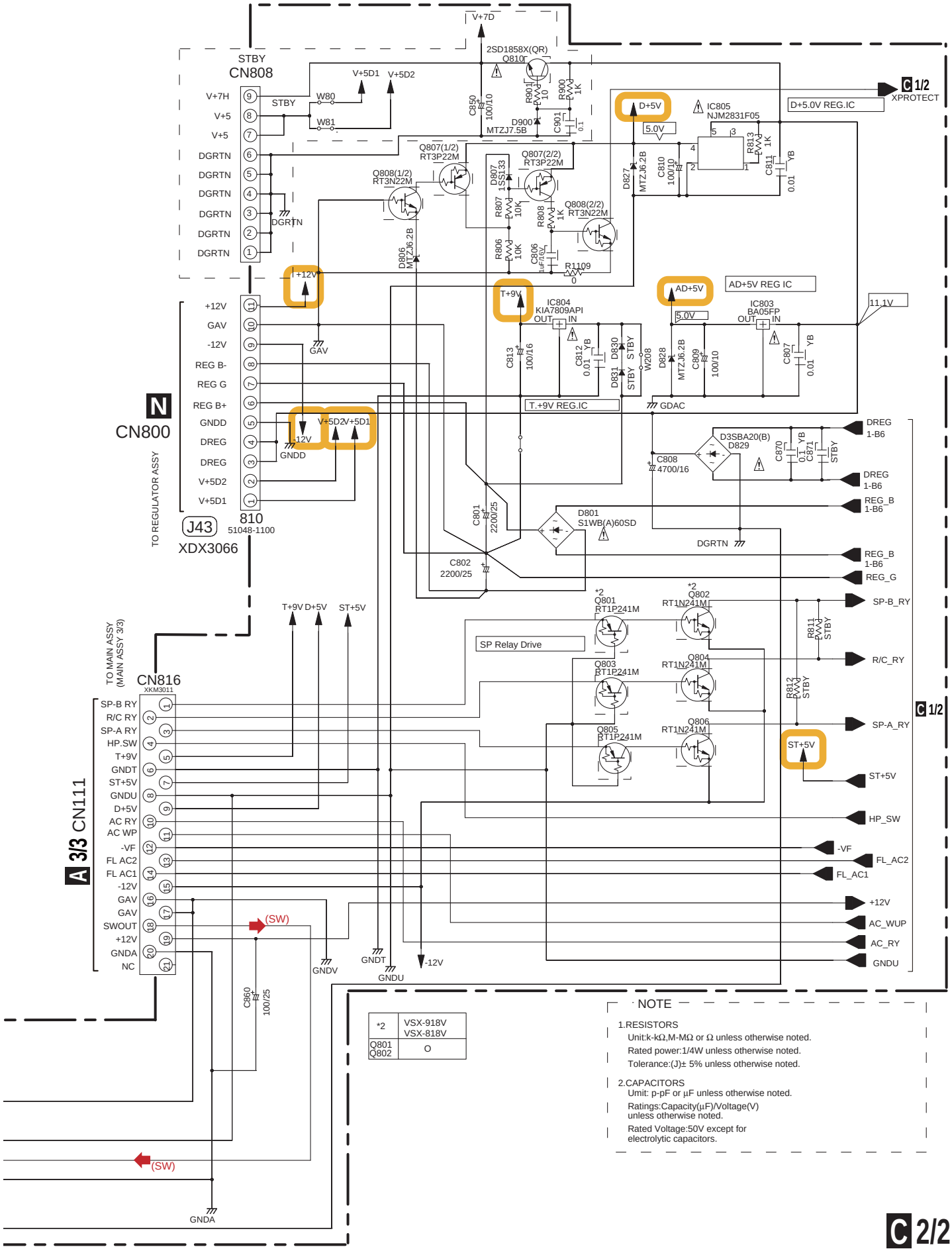
*4	/KUXJ/CA
751,752,755, 761,762	0.1 BA
753,754,756, 763,764	——
D751,753,757	——
R1103,R1104,R1105	0

*5	Not used

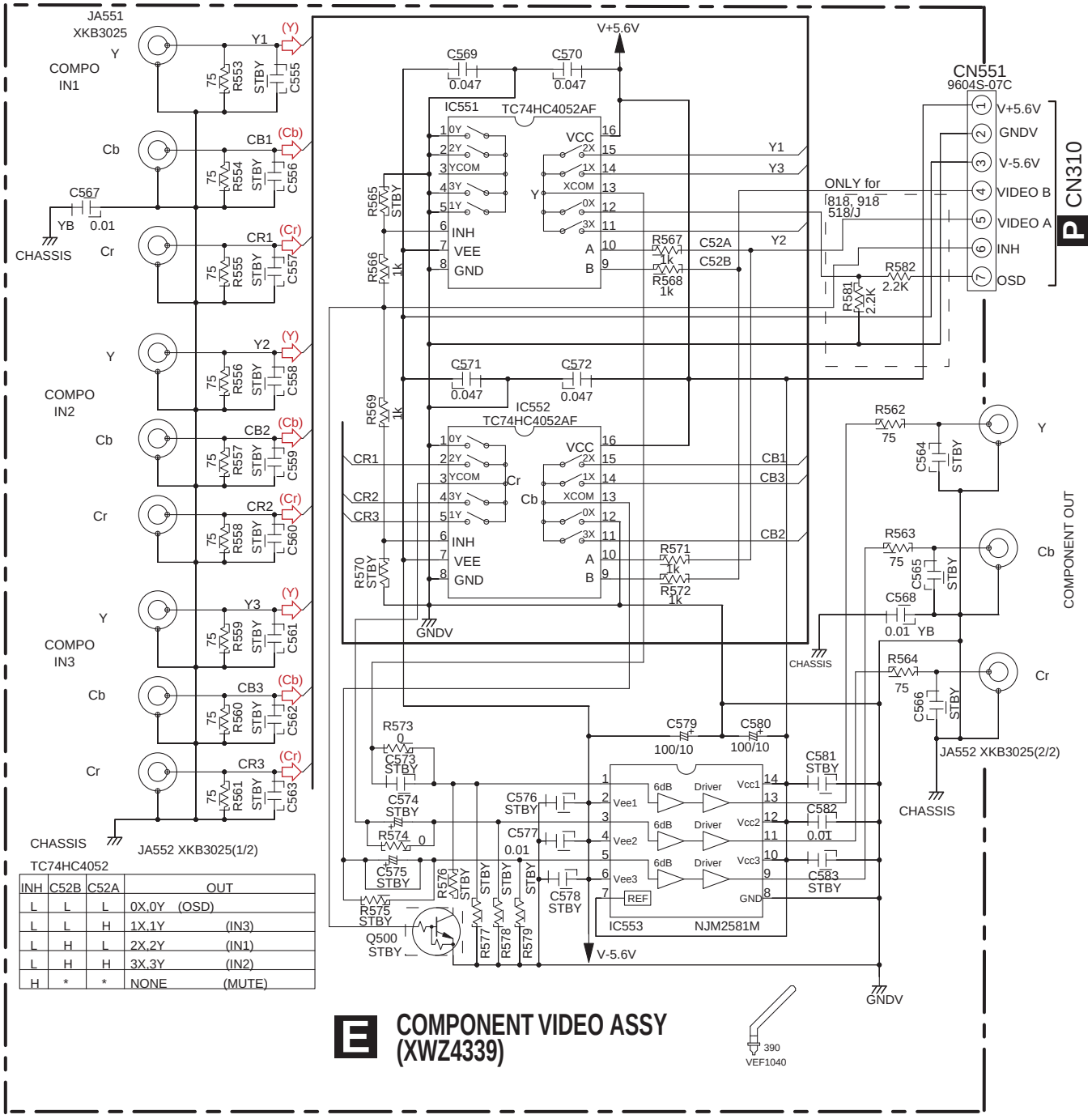
10.9 POWER PACK ASSY (2/2)

(L) : Audio Signal Route (L ch)
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SW) : Audio Signal Route (SubWoofer ch)




STBY
CN808
V+7H
V+5
V+5
DGRTN
DGRTN
DGRTN
DGRTN
DGRTN
DGRTN
V+5D1
V+5D2
W80
W81
V+7D
2SD1858X(QR)
Q810
D+5V
5.0V
IC805
NJM2831F05
D+5.0V REG.IC
C 1/2
XPROTECT
Q807(1/2)
RT3P22M
Q807(2/2)
RT3P22M
Q808(1/2)
RT3N22M
Q808(2/2)
RT3N22M
D900
MTZJ7.5B
D827
MTZJ6.2B
D806
MTZJ6.2B
+12V
T+9V
AD+5V
AD+5V REG IC
IC804
KIA7809API
IC803
BA05FP
11.1V
GAV
-12V
REG B-
REG G
REG B+
GNDD
DREG
DREG
V+5D2
V+5D1
N
CN800
TO REGULATOR ASSY
J43
XDX3066
810
51048-1100
T.+9V REG.IC
GDAC
D3SBA20(B)
D829
C808
4700/16
D801
S1WB(A)60SD
C802
2200/25
DREG
1-B6
REG_B
1-B6
REG_G
SP-B_RY
R/C_RY
SP-A_RY
ST+5V
HP_SW
-VF
FL_AC2
FL_AC1
+12V
AC_WUP
AC_RY
GNDU
T+9V D+5V ST+5V
SP Relay Drive
Q801
RT1P241M
Q802
RT1N241M
Q803
RT1P241M
Q804
RT1N241M
Q805
RT1P241M
Q806
RT1N241M
TO MAIN ASSY
(MAIN ASSY 3/3)
CN816
XKM3011
A 3/3 CN111
SP-B RY
R/C RY
SP-A RY
HP.SW
T+9V
GNDT
ST+5V
GNDU
D+5V
AC RY
AC WP
-VF
FL AC2
FL AC1
-12V
GAV
GAV
SWOUT
+12V
GNDA
NC
(SW)
(SW)
GNDV
GNDT
GNDU
-12V
GNDA
C860
47
100/25
*2
VSX-918V
VSX-818V
Q801
Q802
O
NOTE
1.RESISTORS
Unit:k-kΩ,M-MΩ or Ω unless otherwise noted.
Rated power:1/4W unless otherwise noted.
Tolerance:(J)± 5% unless otherwise noted.
2.CAPACITORS
Umit: p-pF or µF unless otherwise noted.
Ratings:Capacity(µF)/Voltage(V)
unless otherwise noted.
Rated Voltage:50V except for
electrolytic capacitors.
C 2/2

10.10 COMPONENT VIDEO, 5.1CH INPUT and TRANS3 ASSYS



TC74HC4052

INH	C52B	C52A	OUT
L	L	L	0X,0Y (OSD)
L	L	H	1X,1Y (IN3)
L	H	L	2X,2Y (IN1)
L	H	H	3X,3Y (IN2)
H	*	*	NONE (MUTE)

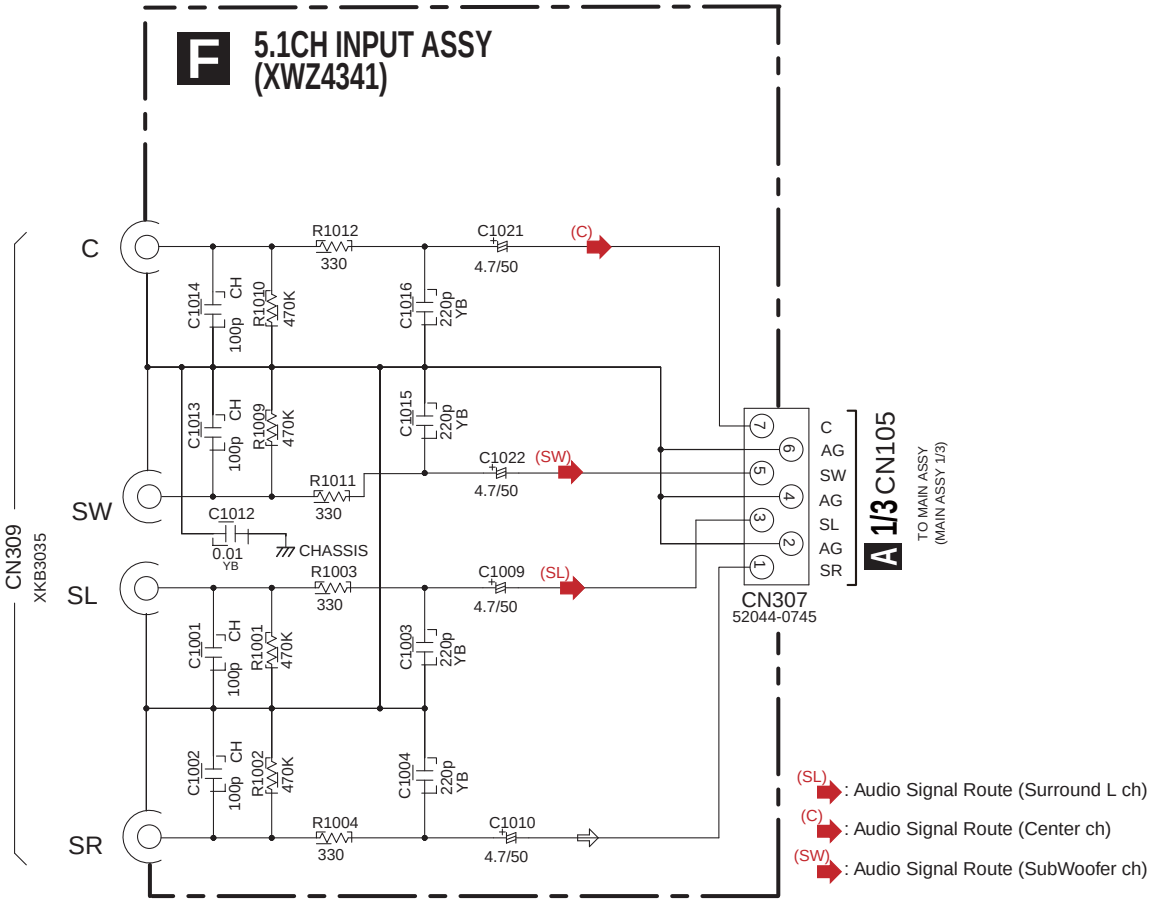
COMPONENT VIDEO ASSY (XWZ4339)

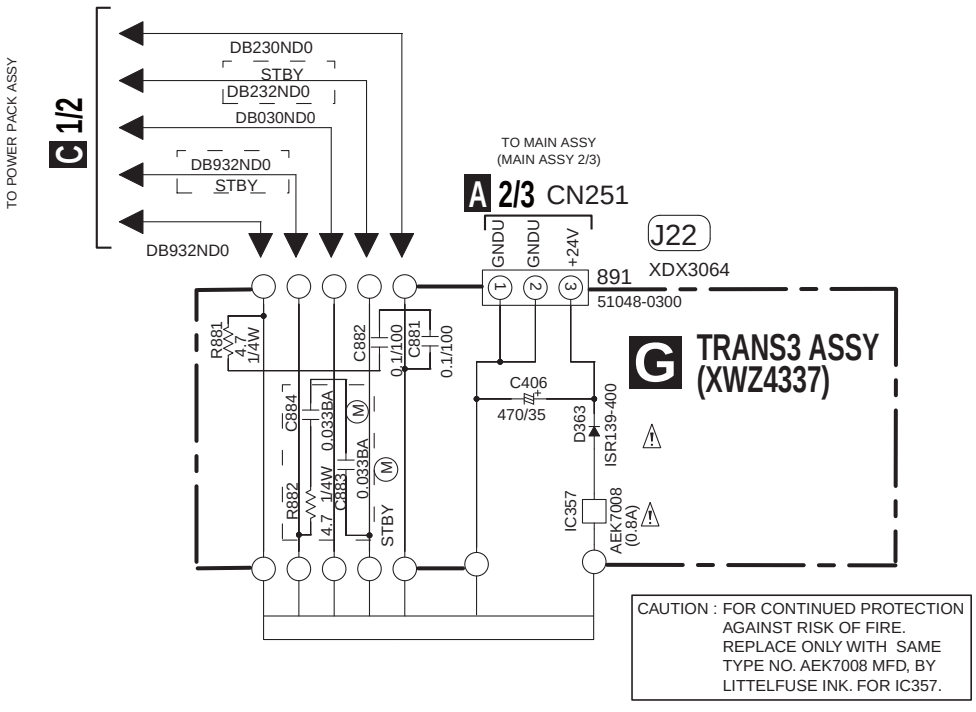
(Y): Video Signal Route (Component Y ch)
(Cb): Video Signal Route (Component Cb ch)
(Cr): Video Signal Route (Component Cr ch)

NOTE

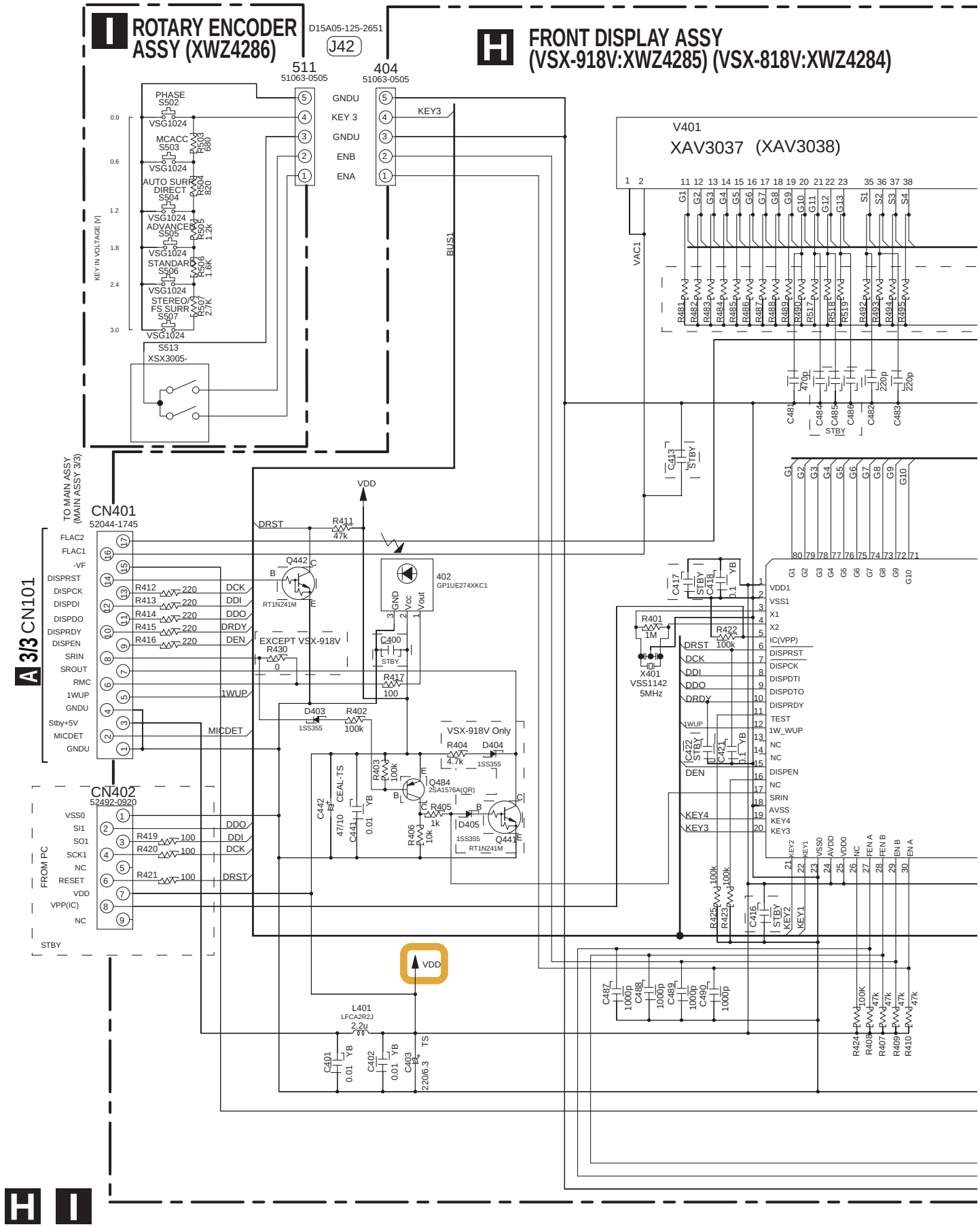
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ± 5% unless otherwise noted.

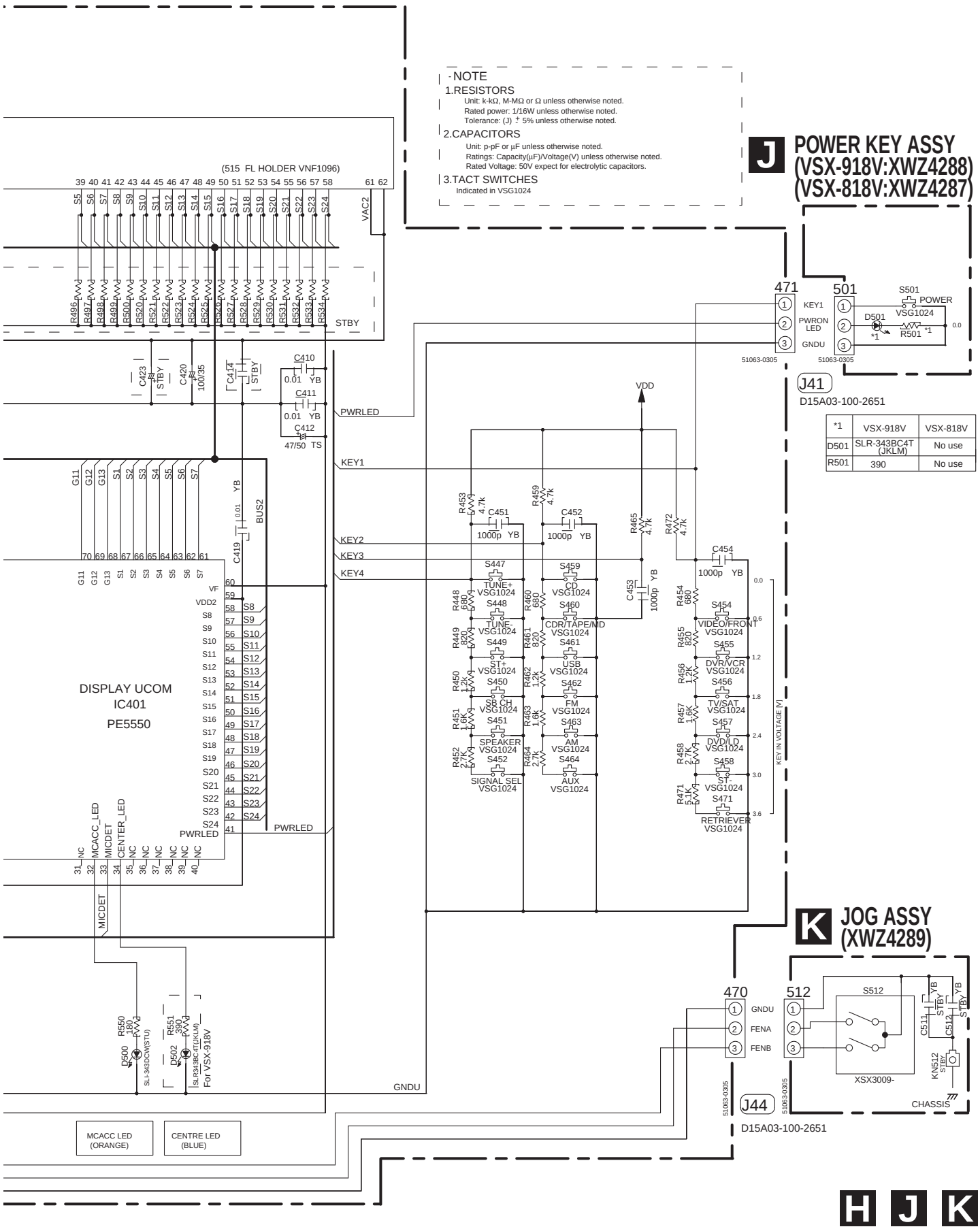
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.


F 5.1CH INPUT ASSY
(XWZ4341)
CN309
XKB3035
C
SW
SL
SR
R1012
330
C1021
4.7/50
(C)
C1014
100p CH
R1010
470K
C1016
220p YB
C1013
100p CH
R1009
470K
C1015
220p YB
C1022
4.7/50
(SW)
R1011
330
C1012
0.01 YB
CHASSIS
R1003
330
C1009
4.7/50
(SL)
C1001
100p CH
R1001
470K
C1003
220p YB
C1002
100p CH
R1002
470K
C1004
220p YB
R1004
330
C1010
4.7/50
A 1/3 CN105
TO MAIN ASSY
(MAIN ASSY 1/3)
C
AG
SW
AG
SL
AG
SR
CN307
52044-0745
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SW) : Audio Signal Route (SubWoofer ch)

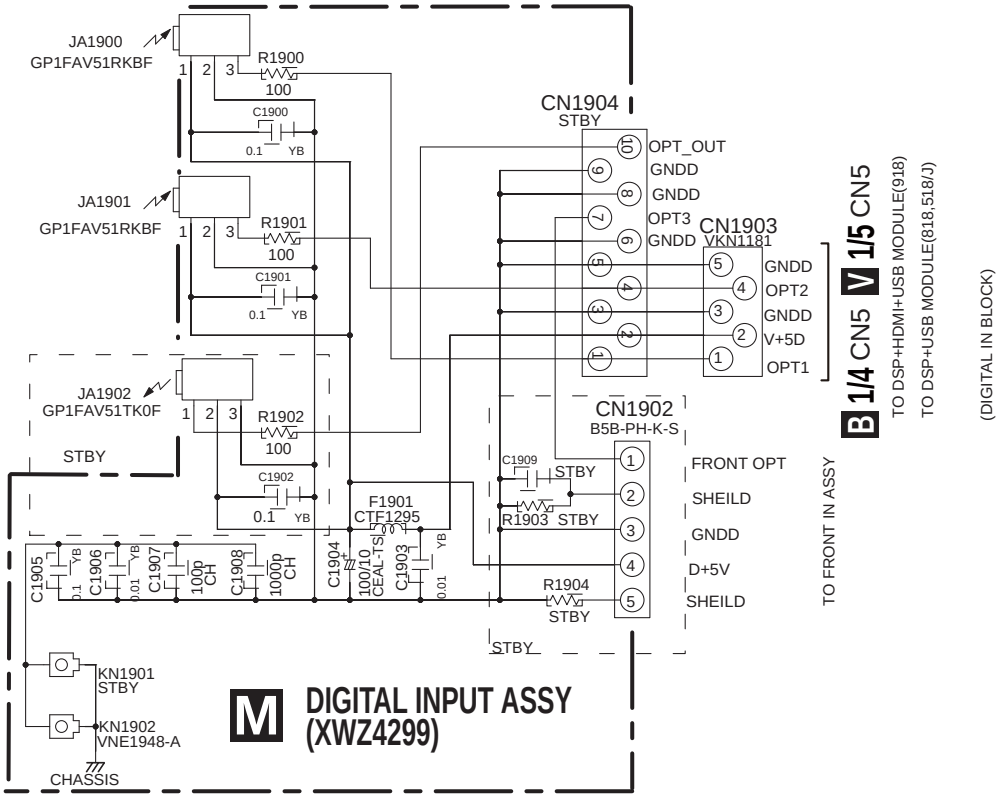

TO POWER PACK ASSY
C 1/2
DB230ND0
STBY
DB232ND0
DB030ND0
DB932ND0
STBY
DB932ND0
TO MAIN ASSY
(MAIN ASSY 2/3)
A 2/3 CN251
GNDU
GNDU
+24V
J22
XDX3064
891
51048-0300
R881
4.7
1/4W
C882
0.1/100
C881
0.1/100
C884
0.033BA
C883
0.033BA
R882
4.7
1/4W
STBY
C406
470/35
D363
ISR139-400
IC357
AEK7008
(0.8A)
G TRANS3 ASSY
(XWZ4337)
CAUTION : FOR CONTINUED PROTECTION
AGAINST RISK OF FIRE.
REPLACE ONLY WITH SAME
TYPE NO. AEK7008 MFD, BY
LITTELFUSE INK. FOR IC357.

10.11 FRONT DISPLAY, ROTARY ENCODER, POWER KEY and JOG ASSYS




NOTE
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ± 5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
3.TACT SWITCHES
Indicated in VSG1024
J POWER KEY ASSY (VSX-918V:XWZ4288) (VSX-818V:XWZ4287)
(515 FL HOLDER VNF1096)
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 61 62
S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 VAC2
R496 R497 R498 R499 R500 R520 R521 R522 R523 R524 R525 R526 R527 R528 R529 R530 R531 R532 R533 R534
STBY
C423 STBY C420 100/35 C414 STBY
C410 0.01 YB
C411 0.01 YB
C412 47/50 TS
PWRLED
KEY1
KEY2
KEY3
KEY4
VDD
471
1 KEY1
2 PWRON LED
3 GNDU
51063-0305
501
S501 POWER VSG1024
D501 *1
R501 *1
0.0
51063-0305
J41
D15A03-100-2651
*1 | VSX-918V | VSX-818V
D501 | SLR-343BC4T (JKLM) | No use
R501 | 390 | No use
G11 G12 G13 S1 S2 S3 S4 S5 S6 S7
C419 0.01 YB BUS2
70 69 68 67 66 65 64 63 62 61
DISPLAY UCOM
IC401
PE5550
60 VF
59 VDD2
58 S8
57 S9
56 S10
55 S11
54 S12
53 S13
52 S14
51 S15
50 S16
49 S17
48 S18
47 S19
46 S20
45 S21
44 S22
43 S23
42 S24
41 PWRLED
31 NC
32 MCACC_LED
33 MICDET
34 CENTER_LED
35 NC
36 NC
37 NC
38 NC
39 NC
40 NC
R453 4.7k C451 1000p YB
R459 4.7k C452 1000p YB
R465 4.7k
R472 4.7k
C454 1000p YB
C453 1000p YB
S447 TUNE+ VSG1024
S448 TUNE- VSG1024
S449 ST+ VSG1024
S450 SB CH VSG1024
S451 SPEAKER VSG1024
S452 SIGNAL SEL VSG1024
S459 CD VSG1024
S460 CDR/TAPE/MD VSG1024
S461 USB VSG1024
S462 FM VSG1024
S463 AM VSG1024
S464 AUX VSG1024
S454 VIDEO/FRONT VSG1024
S455 DVR/VCR VSG1024
S456 TV/SAT VSG1024
S457 DVD/LD VSG1024
S458 ST- VSG1024
S471 RETRIEVER VSG1024
KEY IN VOLTAGE (V)
0.0 0.6 1.2 1.8 2.4 3.0 3.6
K JOG ASSY (XWZ4289)
470
1 GNDU
2 FENA
3 FENB
512
S512
C511 STBY YB
C512 STBY YB
KN512 STBY
XSX3009-
CHASSIS
51063-0305
J44
D15A03-100-2651
R550 180 D500 SLI-343DCW(STU)
R551 240 D502 SLR343BC-(T)(JKLM)
For VSX-918V
GNDU
MCACC LED (ORANGE)
CENTRE LED (BLUE)

10.12 DIGITAL INPUT, REGULATOR and HEAD PHONE ASSYS



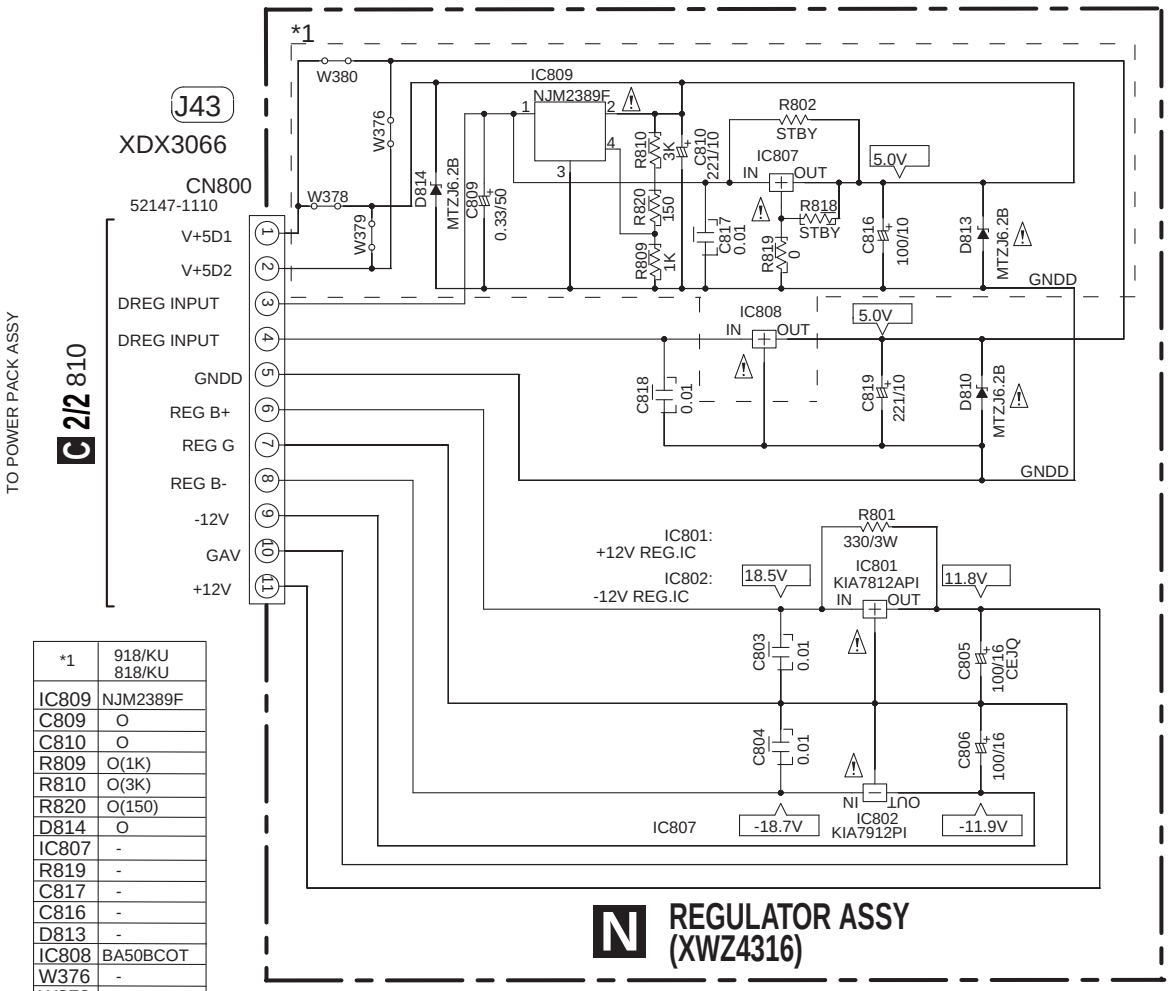
NOTE

1.RESISTORS

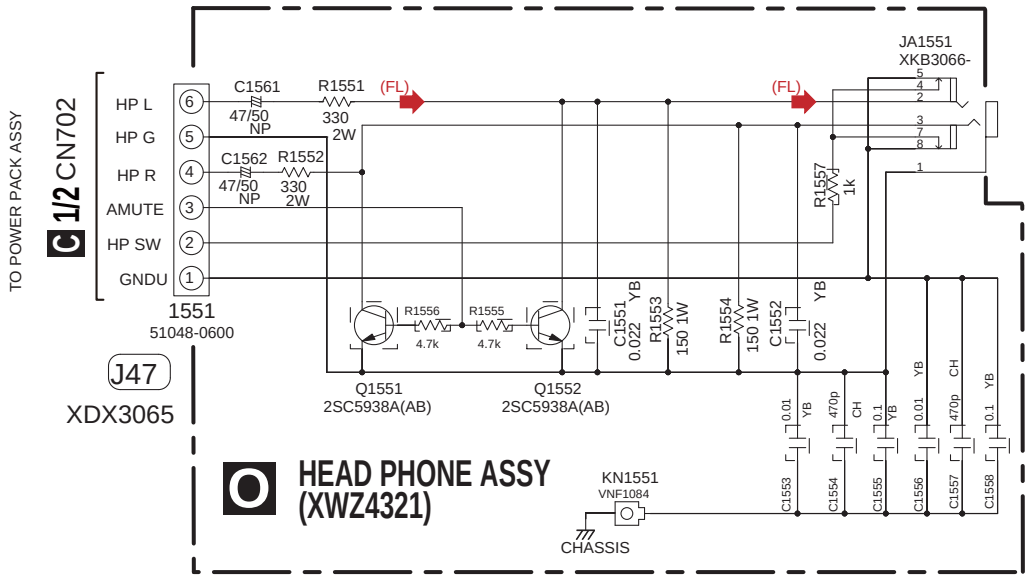
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ± 5% unless otherwise noted.

2.CAPACITORS

Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.



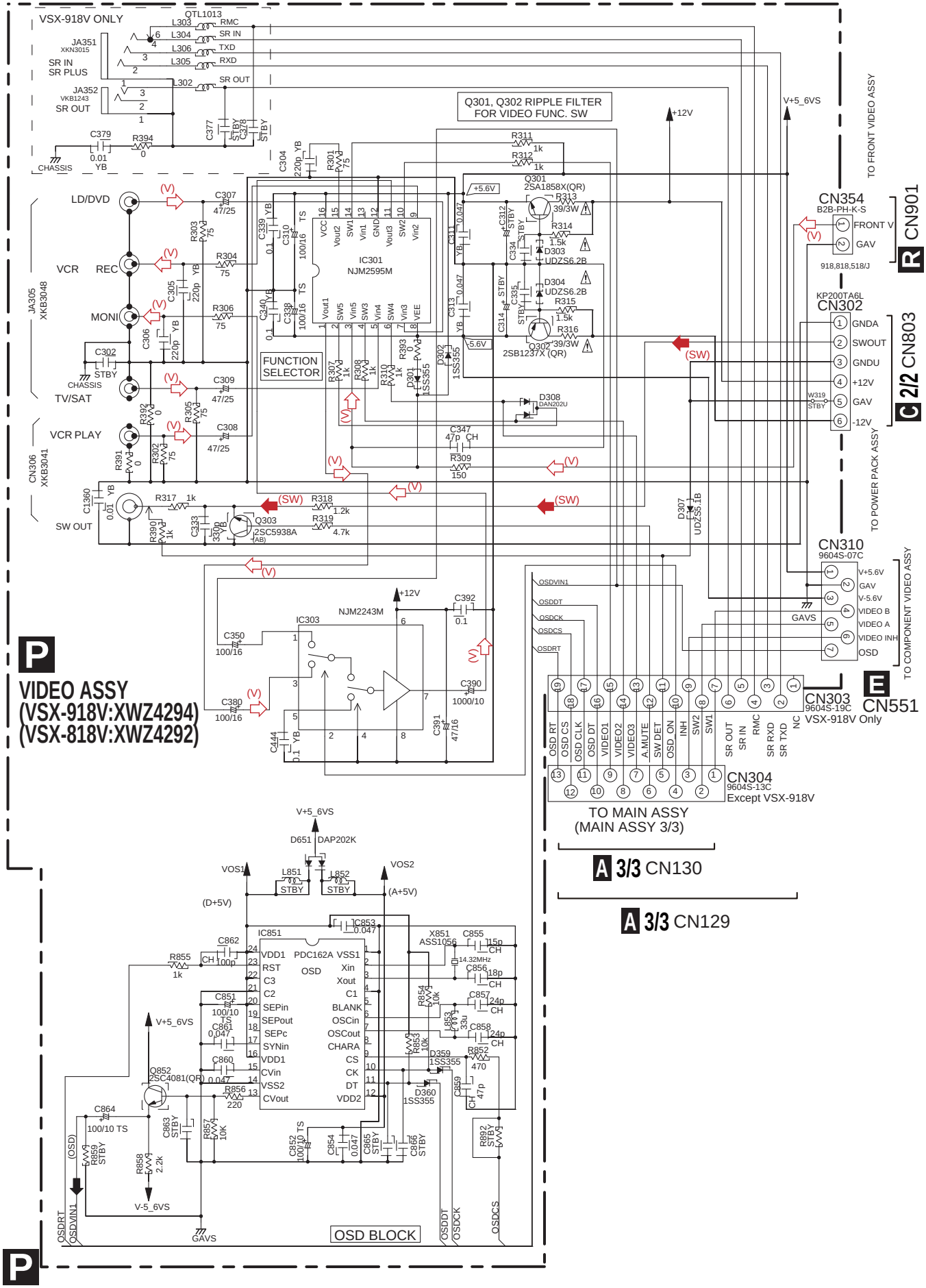
*1	918/KU 818/KU
IC809	NJM2389F
C809	O
C810	O
R809	O(1K)
R810	O(3K)
R820	O(150)
D814	O
IC807	-
R819	-
C817	-
C816	-
D813	-
IC808	BA50BCOT
W376	-
W379	O
W380	O
W378	-

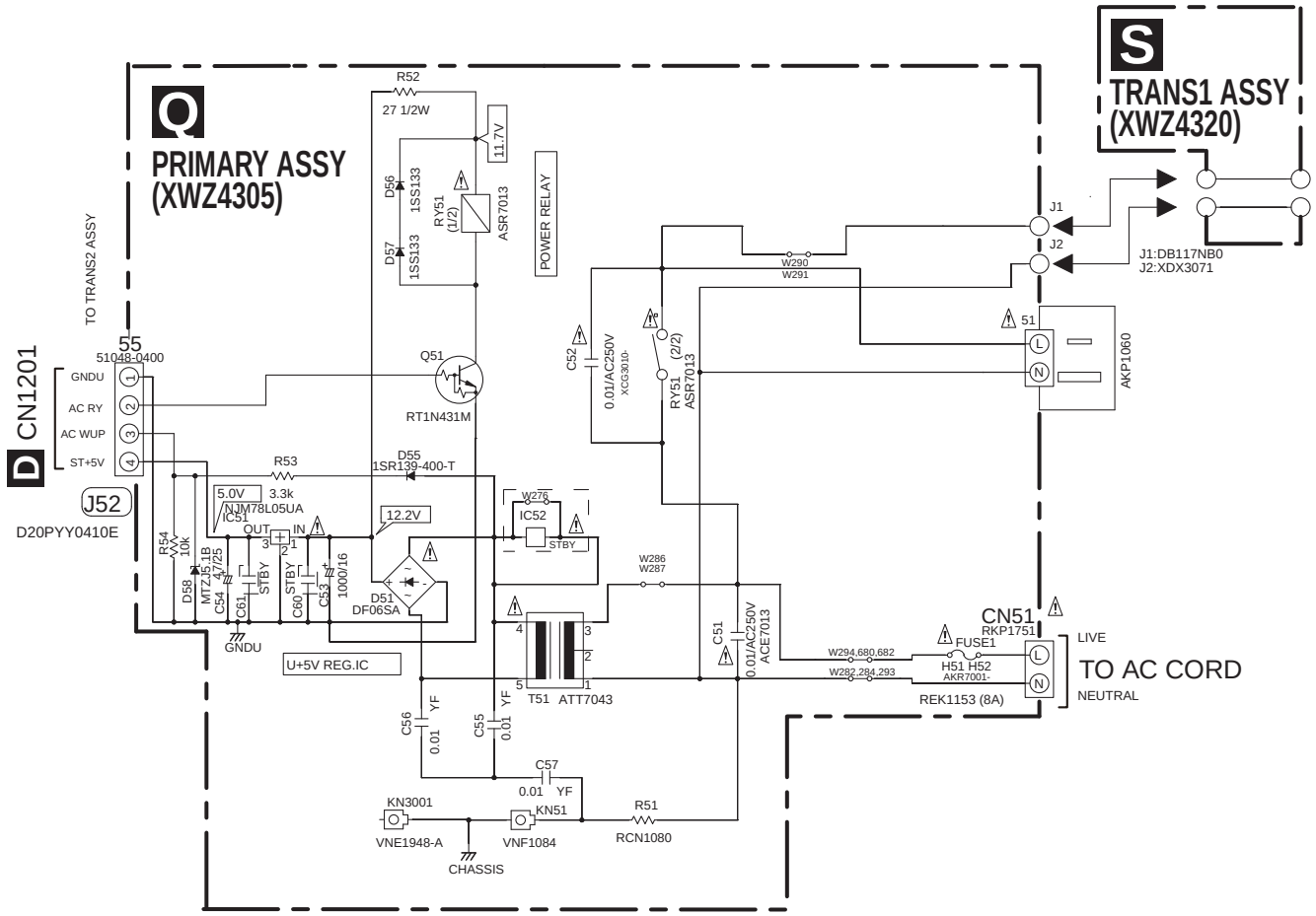


(FL): Audio Signal Route (Front L ch)

N O

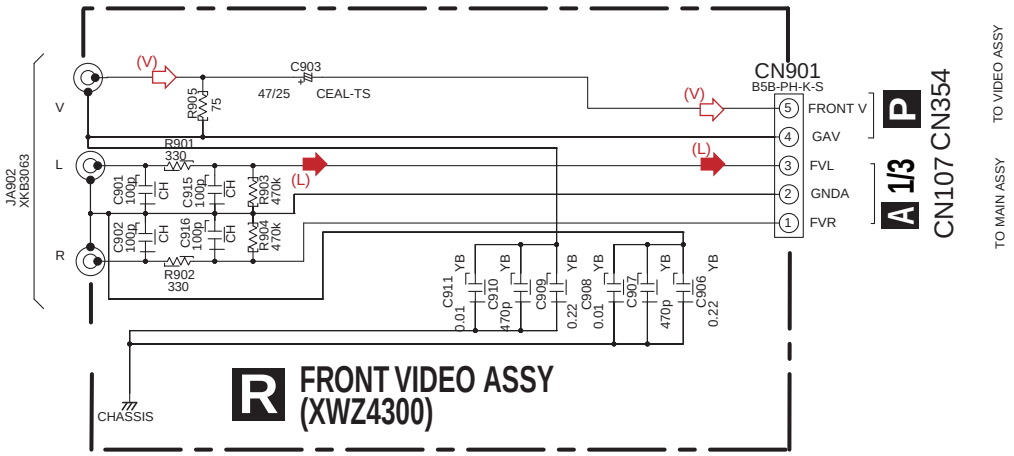
10.13 VIDEO, PRIMARY, FRONT VIDEO and TRANS1 ASSYS





• NOTE FOR FUSE REPLACEMENT

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



NOTE

1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ∓ 5% unless otherwise noted.

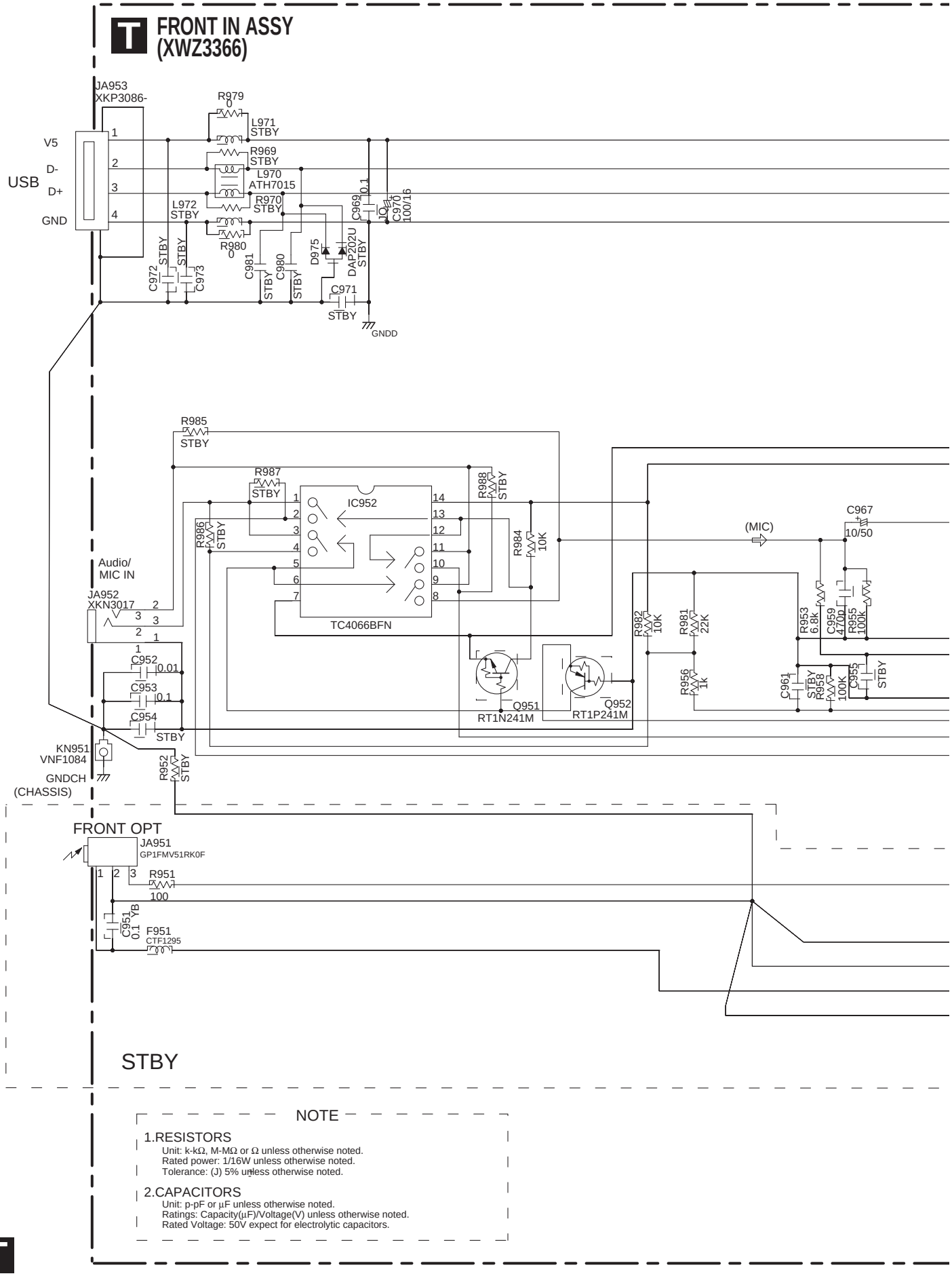
2.CAPACITORS
Unit: p-pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

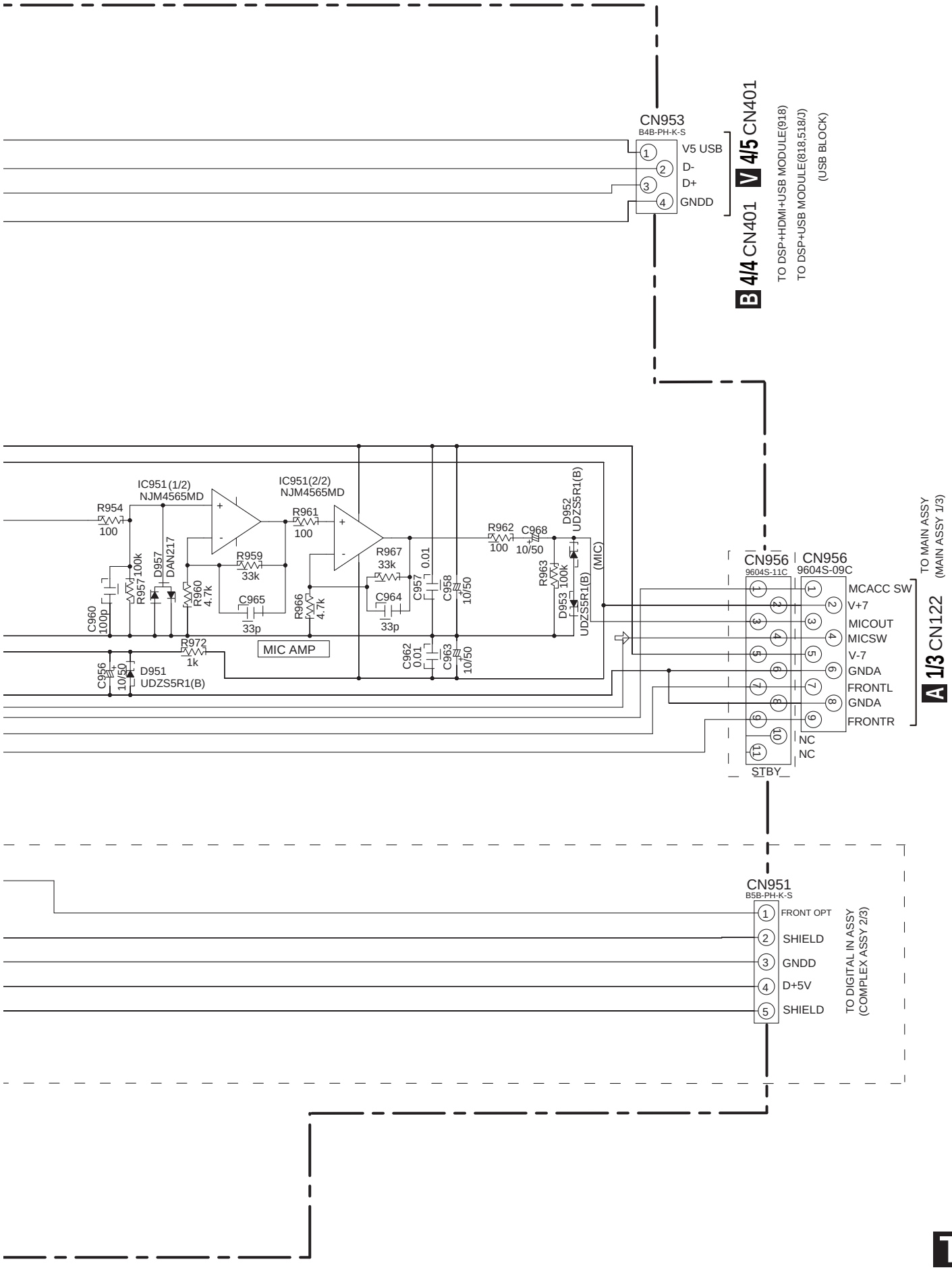
(V): Video Signal Route

(L): Audio Signal Route (L ch)

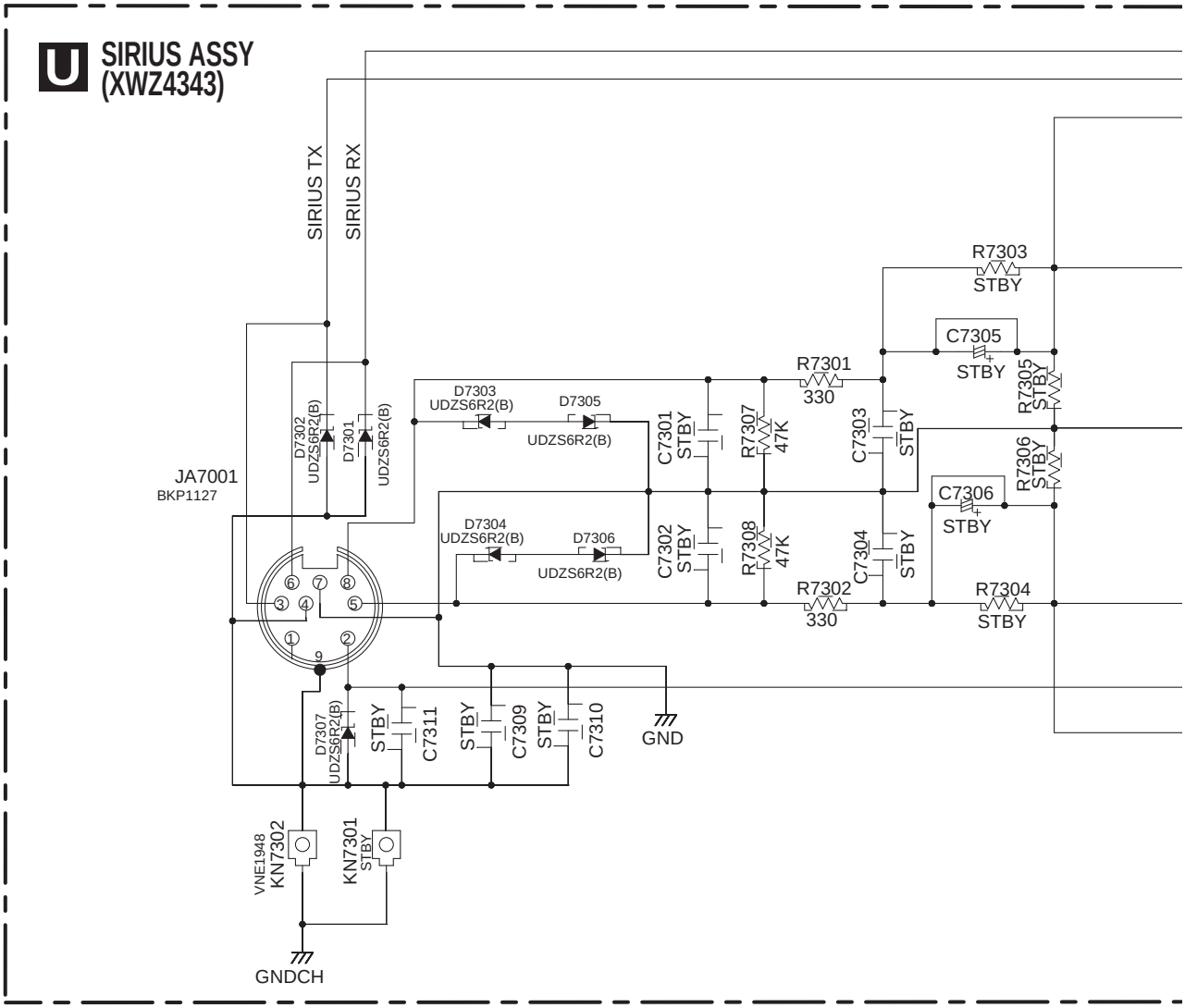
(SW): Audio Signal Route (SubWoofer ch)

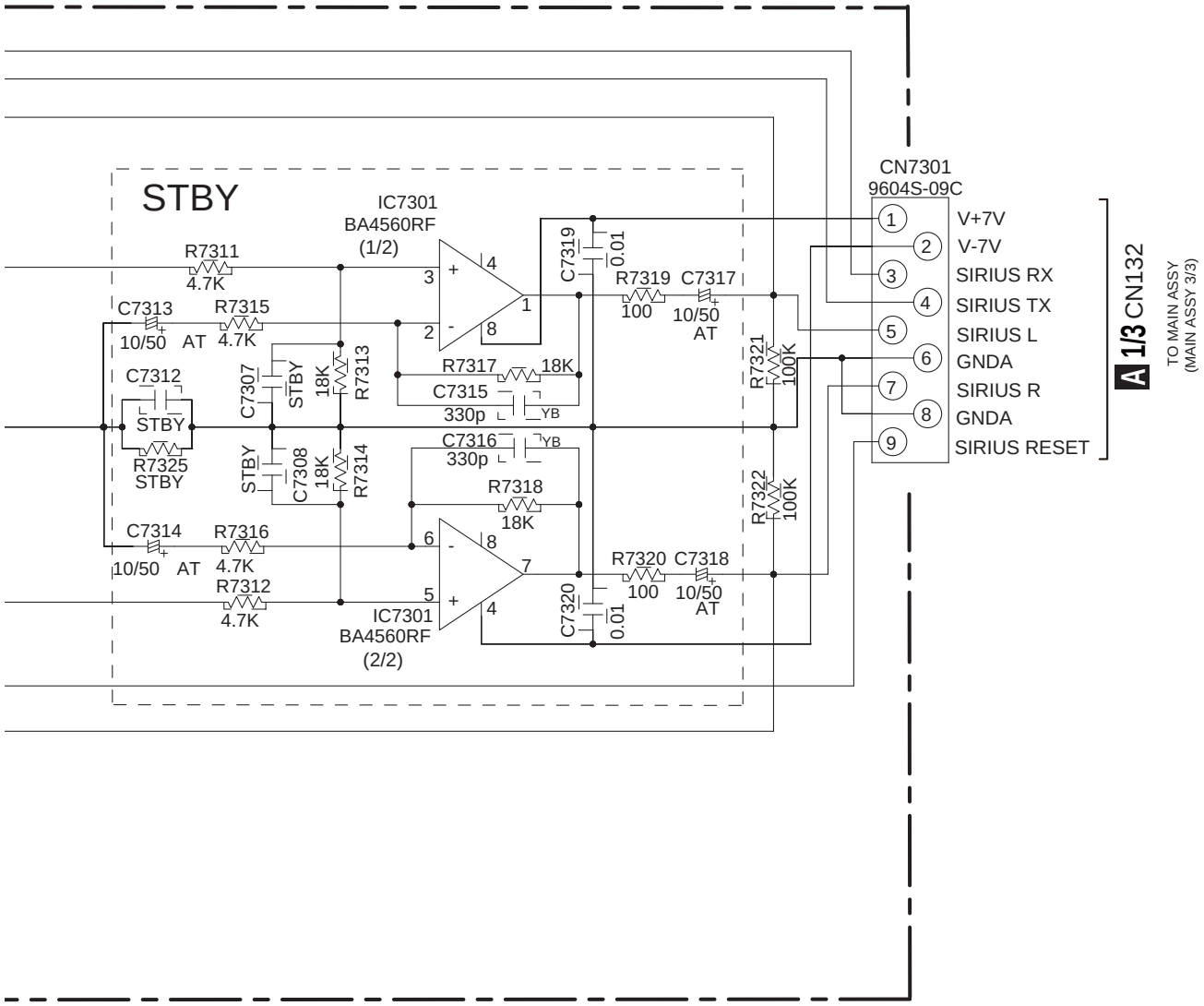
10.14 FRONT IN ASSY




CN953
B4B-PH-K-S
1 V5 USB
2 D-
3 D+
4 GNDD
V 4/5 CN401
B 4/4 CN401
TO DSP+HDMI+USB MODULE(918)
TO DSP+USB MODULE(818,518/J)
(USB BLOCK)
IC951 (1/2)
NJM4565MD
IC951(2/2)
NJM4565MD
R954 100
R957 100k
D957 DAN217
R960 4.7k
C960 100p
R959 33k
C965 33p
R961 100
R966 4.7k
R967 33k
C964 33p
C957 0.01
C958 10/50
R962 100
C968 10/50
D952 UDZS5R1(B)
(MIC)
R963 100k
D953 UDZS5R1(B)
R972 1k
C956 10/50
D951 UDZS5R1(B)
C962 0.01
C963 10/50
MIC AMP
CN956
9604S-11C
CN956
9604S-09C
MCACC SW
V+7
MICOUT
MICSW
V-7
GNDA
FRONTL
GNDA
FRONTR
NC
NC
STBY
A 1/3 CN122
TO MAIN ASSY
(MAIN ASSY 1/3)
CN951
B5B-PH-K-S
1 FRONT OPT
2 SHIELD
3 GNDD
4 D+5V
5 SHIELD
TO DIGITAL IN ASSY
(COMPLEX ASSY 2/3)

10.15 SIRIUS ASSY

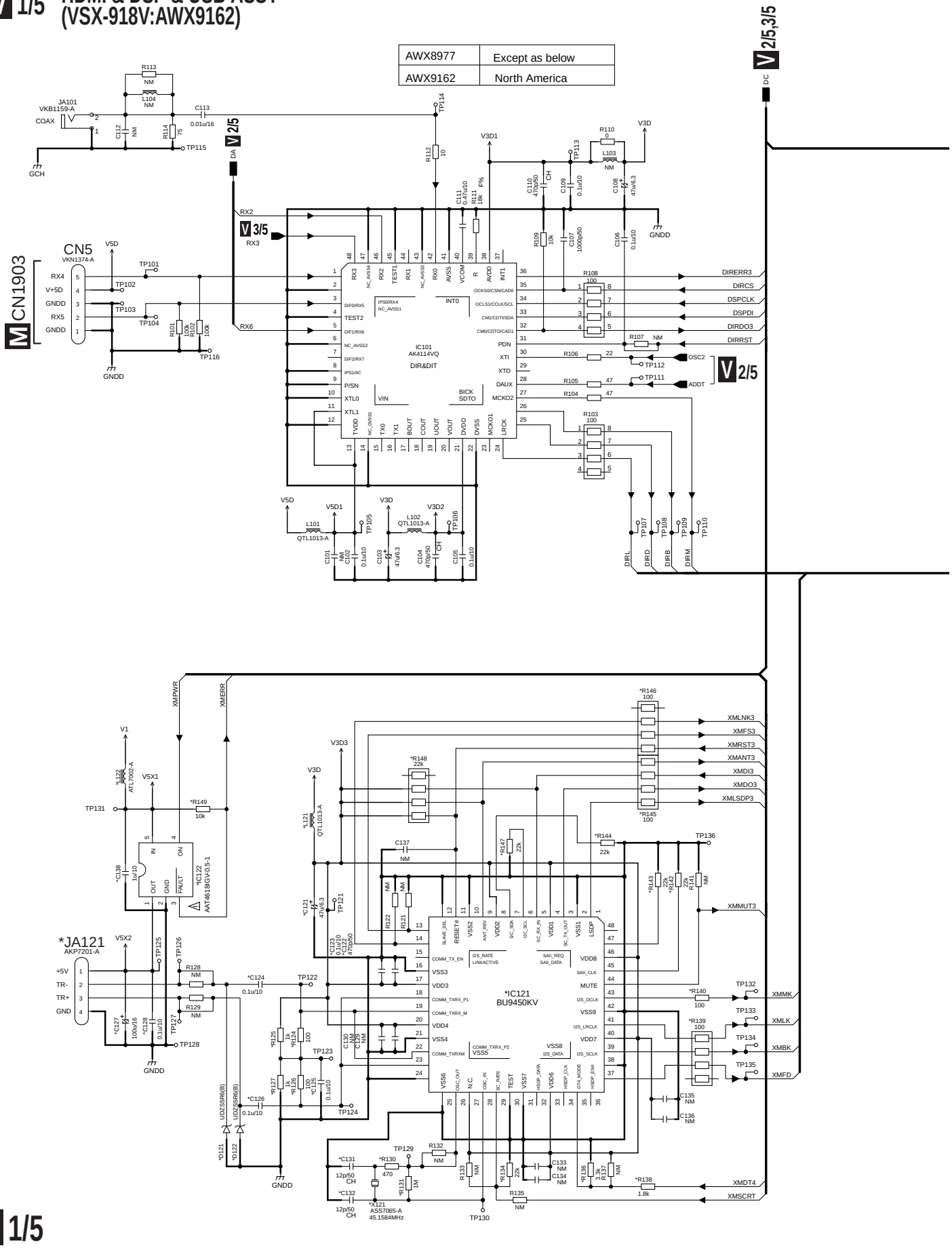



STBY
IC7301
BA4560RF
(1/2)
IC7301
BA4560RF
(2/2)
R7311
4.7K
C7313
10/50 AT
R7315
4.7K
C7312
STBY
R7325
STBY
C7307
STBY
18K
R7313
C7308
STBY
18K
R7314
C7314
10/50 AT
R7316
4.7K
R7312
4.7K
R7317
18K
C7315
330p YB
C7316
330p YB
R7318
18K
C7319
0.01
R7319
100
C7317
10/50 AT
C7320
0.01
R7320
100
C7318
10/50 AT
R7321
100K
R7322
100K
CN7301
9604S-09C
1 V+7V
2 V-7V
3 SIRIUS RX
4 SIRIUS TX
5 SIRIUS L
6 GNDA
7 SIRIUS R
8 GNDA
9 SIRIUS RESET
A 1/3 CN132
TO MAIN ASSY
(MAIN ASSY 3/3)

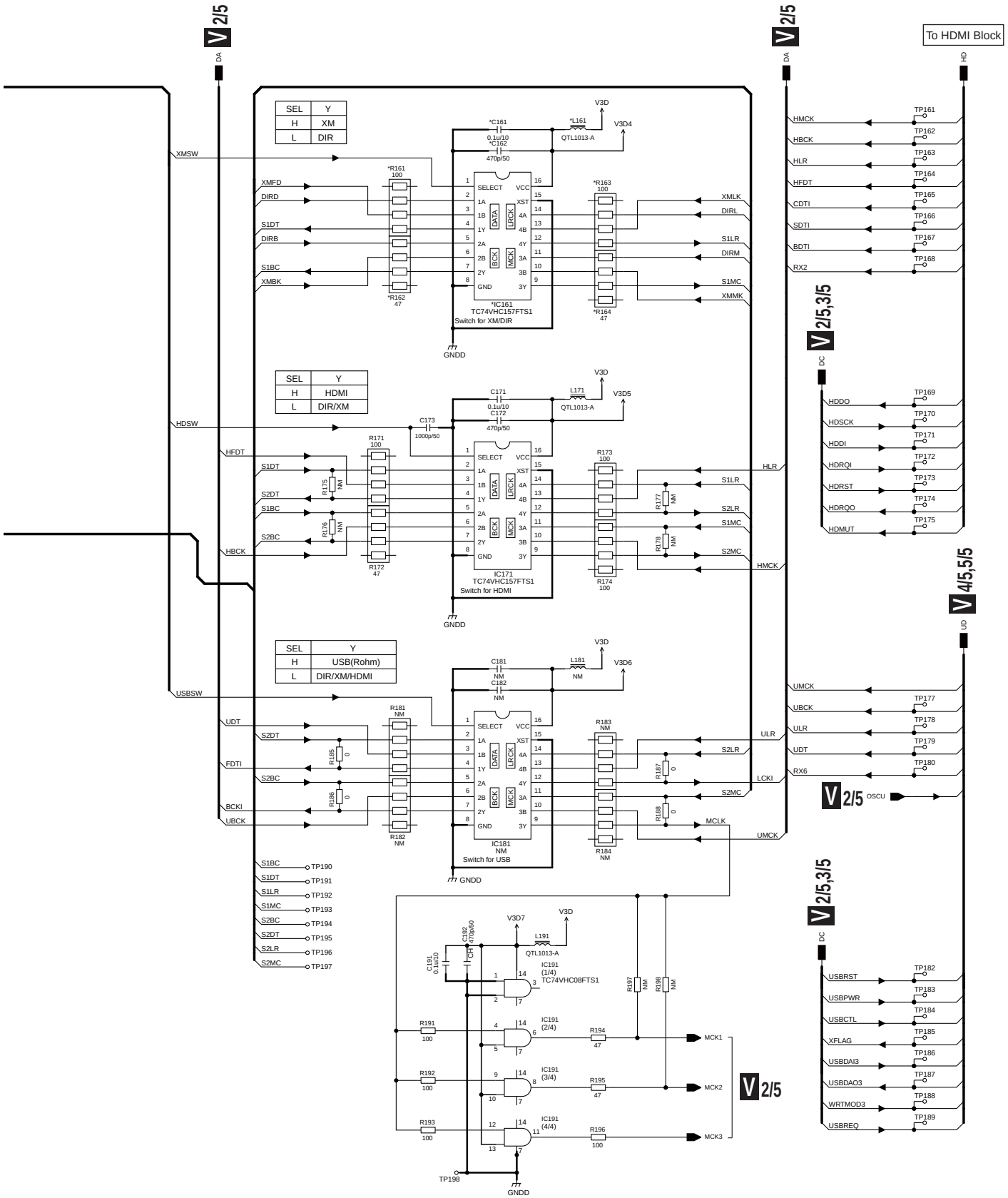
10.16 HDMI & DSP & USB ASSY (1/5)

V 1/5 HDMI & DSP & USB ASSY (VSX-918V:AWX9162)

AWX8977	Except as below
AWX9162	North America

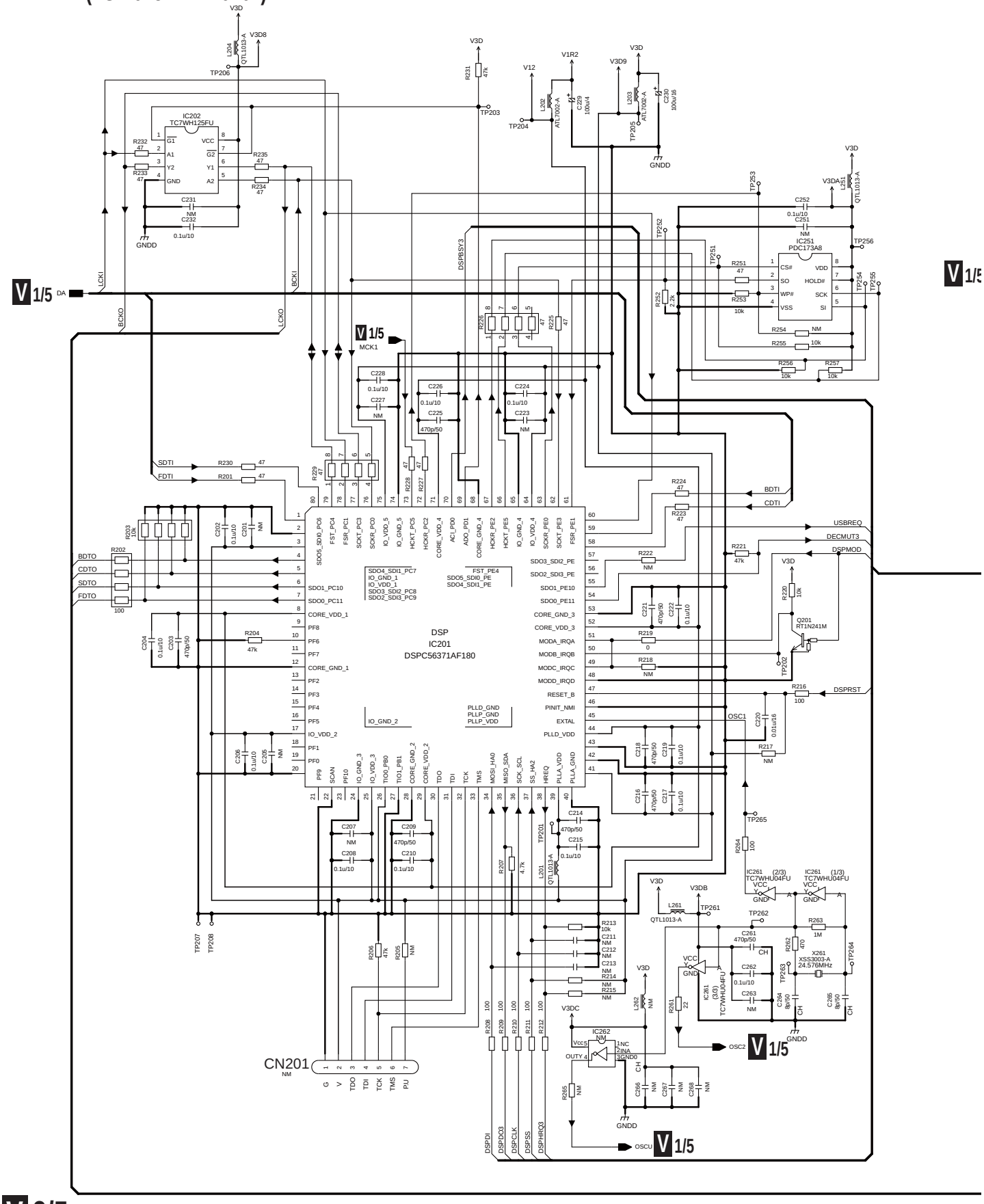


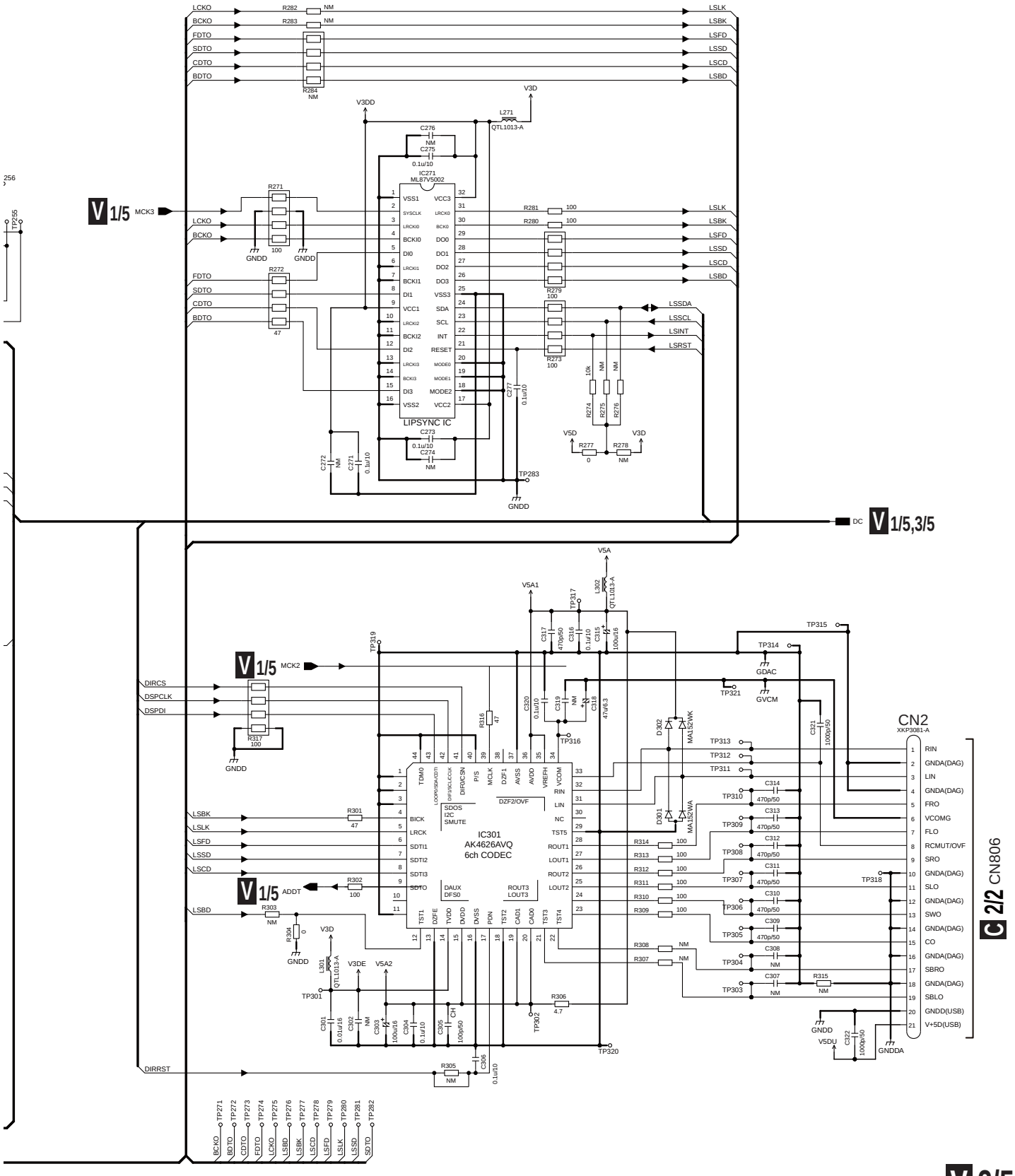
Sub Ass'y No:
AWX9162- /J



10.17 HDMI & DSP & USB ASSY (2/5)

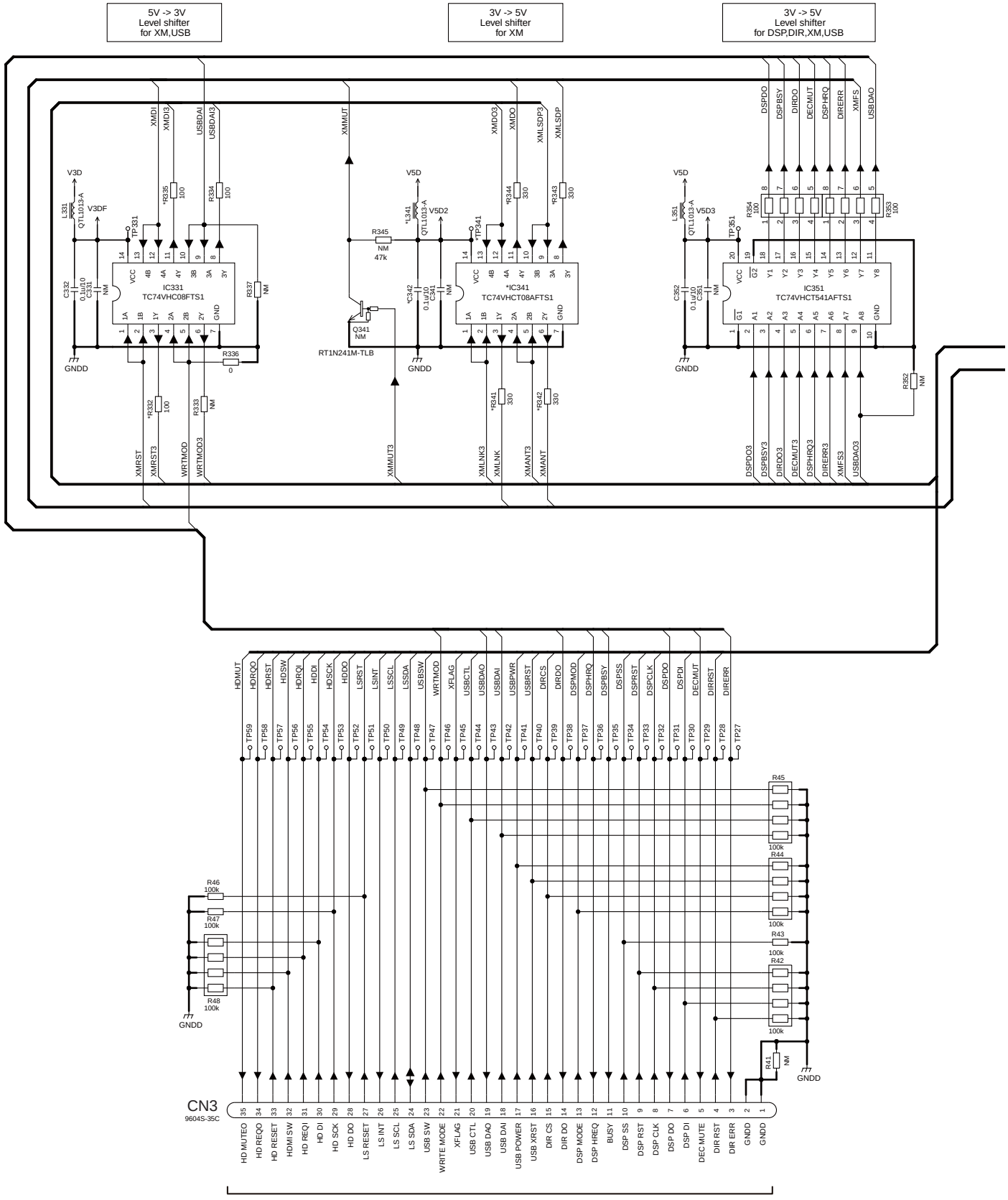
V 2/5 HDMI & DSP & USB ASSY (VSX-918V:AWX9162)

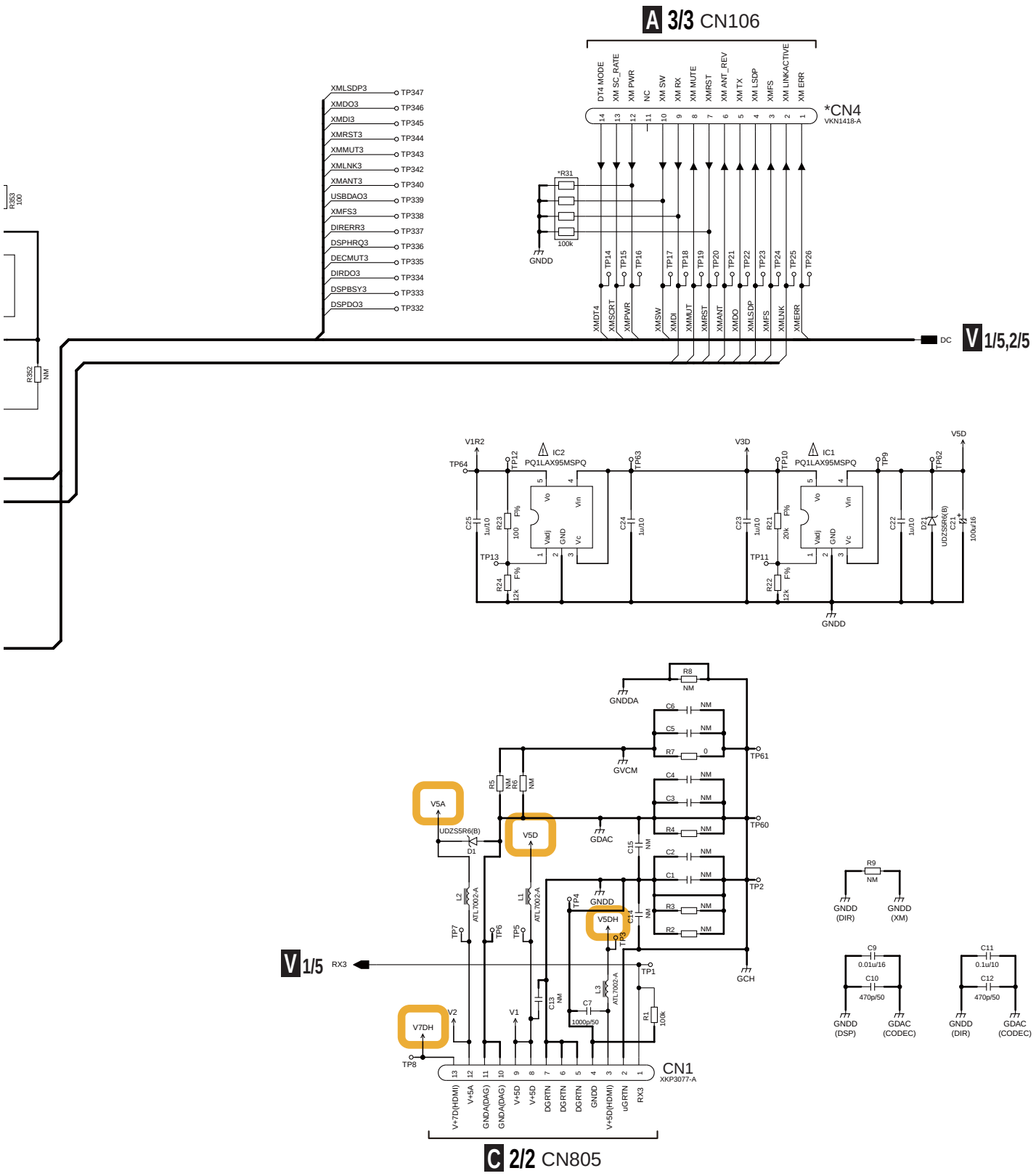



V 1/5 MCK3
V 1/5 MCK2
V 1/5 ADDT
LCKO
BCKO
FDTO
SDTO
CDTO
BDTO
LSLK
LSBK
LSFD
LSSD
LSCD
LSBD
LSSDA
LSSCL
LSINT
LSRST
IC271
ML87V5002
LIPSYNC IC
IC301
AK4626AVQ
6ch CODEC
V3DD
V3D
V5A
V5A1
V5D
V5DU
V3DE
V5A2
GNDD
GNDA
GDAC
GVCM
DC V 1/5,3/5
CN2
XKP3081-A
C CN806 2/2
V 2/5
DIRCS
DSPCLK
DSPDI
DIRRST
RIN
GNDA(DAG)
LIN
FRO
VCOMG
FLO
RCMUT/OVF
SRO
SLO
SBRO
SBLO
GNDD(USB)
V+5D(USB)
BCKO
BDTO
CDTO
FDTO
LCKO
LSBD
LSBK
LSCD
LSFD
LSLK
LSSD
SDTO

10.18 HDMI & DSP & USB ASSY (3/5)

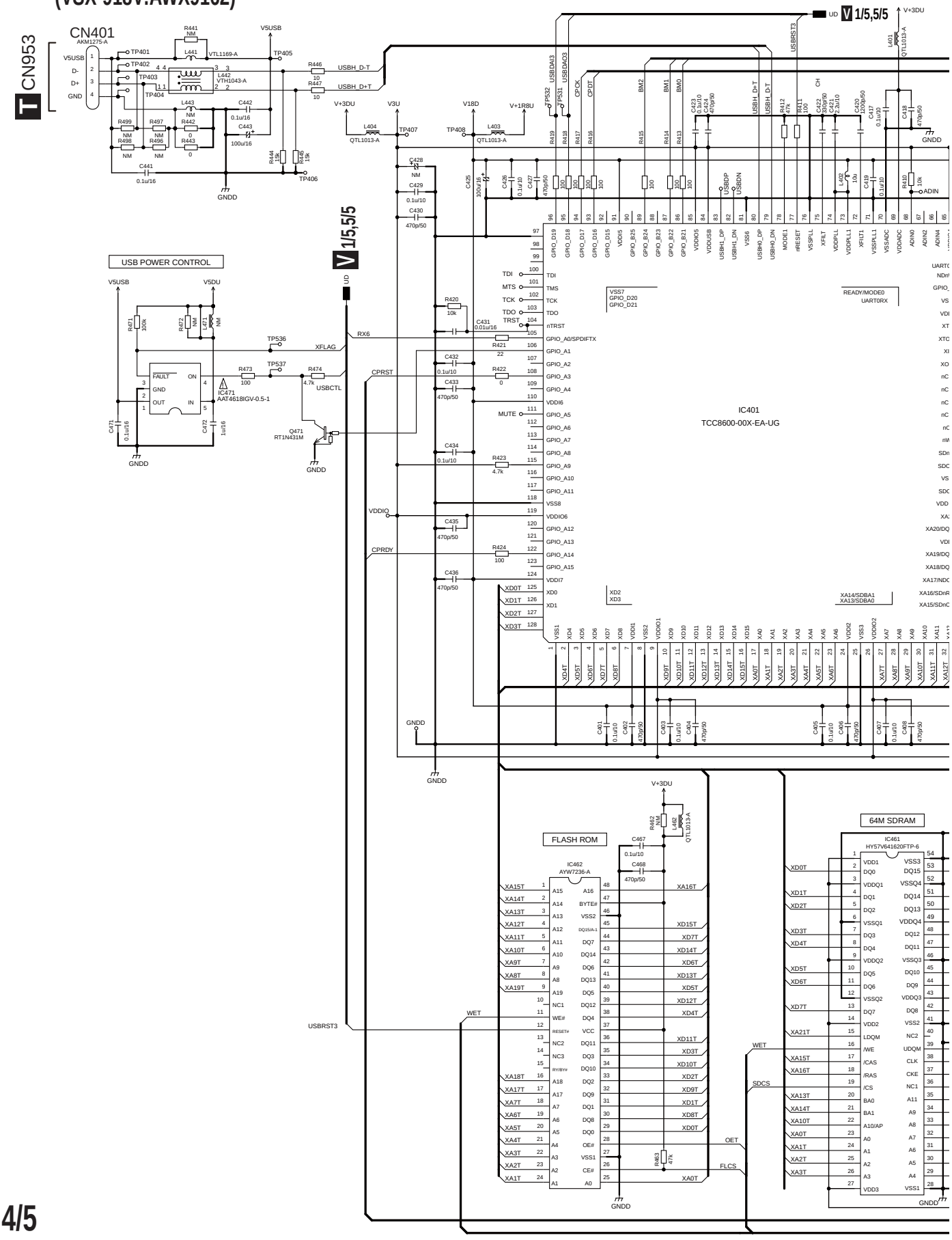
V 3/5 HDMI & DSP & USB ASSY (VSX-918V:AWX9162)

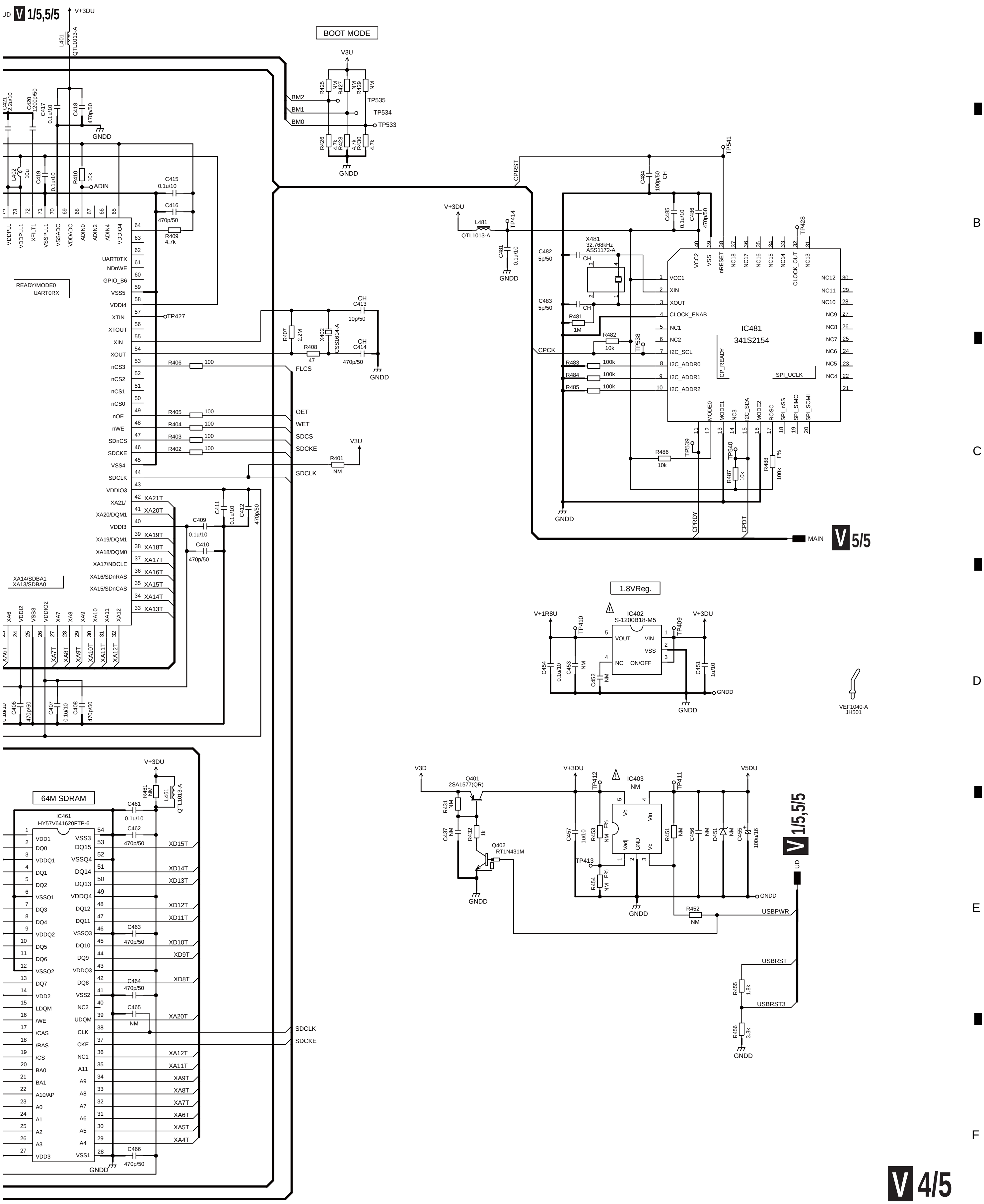



A 3/3 CN106
*CN4
VKN1418-A
DT4 MODE
XM SC_RATE
XM PWR
NC
XM SW
XM RX
XM MUTE
XMRST
XM ANT_REV
XM TX
XM LSDP
XMFS
XM LINKACTIVE
XM ERR
XMLSDP3
XMDO3
XMDI3
XMRST3
XMMUT3
XMLNK3
XMANT3
USBDAO3
XMFS3
DIRERR3
DSPHRQ3
DECMUT3
DIRDO3
DSPBSY3
DSPDO3
*R31
100k
GNDD
XMDT4
XMSCRT
XMPWR
XMSW
XMDI
XMMUT
XMRST
XMANT
XMDO
XMLSDP
XMFS
XMLNK
XMERR
DC
V 1/5,2/5
R353 100
R352 NM
V1R2
V3D
V5D
IC2
IC1
PQ1LAX95MSPQ
TP64
TP12
TP63
TP10
TP9
TP62
TP13
TP11
C25
C24
C23
C22
R23
R24
R21
R22
GNDD
V5A
V5D
V5DH
V7DH
UDZS5R6(B)
D1
L2
L1
L3
ATL7002-A
GNDDA
GVCM
GDAC
GCH
GNDD
TP61
TP60
TP2
TP1
TP3
TP4
TP5
TP6
TP7
TP8
V1
V2
R8
R9
GNDD (DIR)
GNDD (XM)
C9
C10
C11
C12
GNDD (DSP)
GDAC (CODEC)
GNDD (DIR)
GDAC (CODEC)
V 1/5
RX3
CN1
XKP3077-A
V+7D(HDMI)
V+5A
GNDA(DAG)
GNDA(DAG)
V+5D
V+5D
DGRTN
DGRTN
DGRTN
GNDD
V+5D(HDMI)
uGRTN
RX3
C 2/2 CN805

10.19 HDMI & DSP & USB ASSY (4/5)

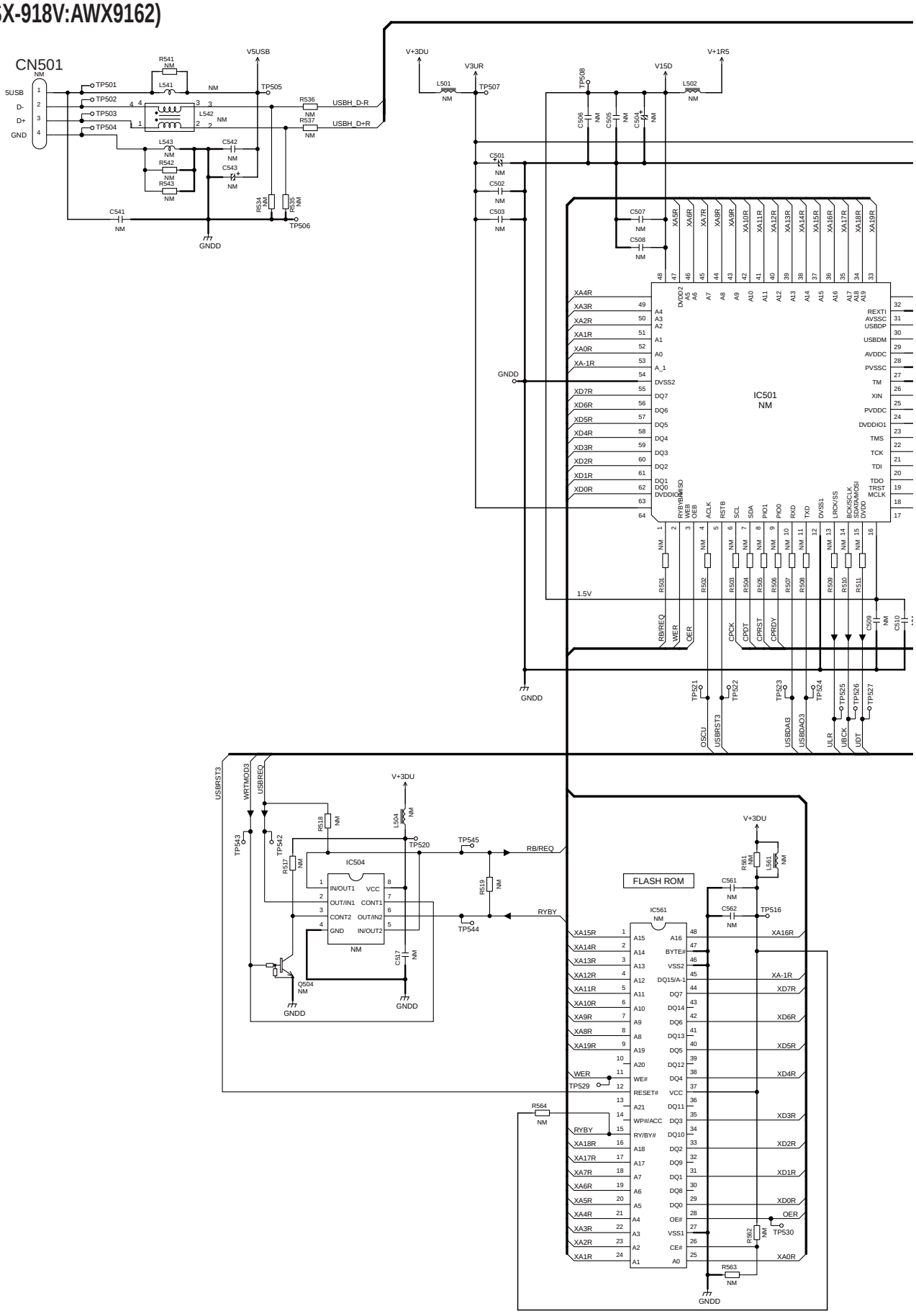
V 4/5 HDMI & DSP & USB ASSY (VSX-918V:AWX9162)

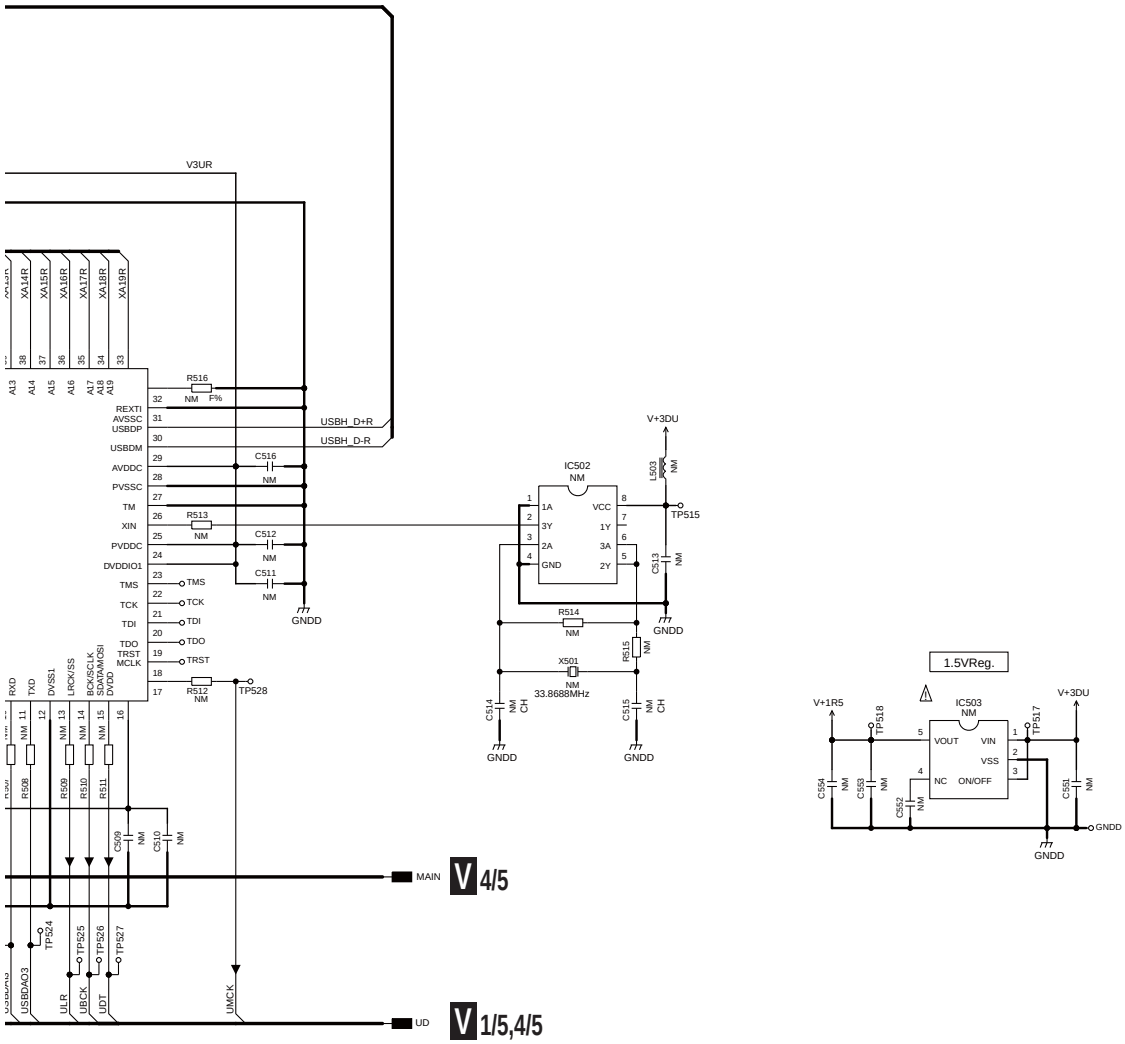



BOOT MODE
1.8VReg.
64M SDRAM
IC461
HY57V641620FTP-6
IC481
341S2154
IC402
S-1200B18-M5
IC403
NM
X481
32.768kHz
ASS1172-A
Q401
2SA1577(QR)
Q402
RT1N431M
VEF1040-A
JH501
MAIN
V 5/5
V 1/5,5/5
GNDD
V+3DU
V3U
V5DU
V+1R8U
V3D
SDCLK
SDCKE
USBPWR
USBRST
USBRST3
CPRST
CPRDY
CPDT
CPCK

10.20 HDMI & DSP & USB ASSY (5/5)

V 5/5 HDMI & DSP & USB ASSY (VSX-918V:AWX9162)




V3UR
XA14R
XA15R
XA16R
XA17R
XA18R
XA19R
R516
NM F%
REXTI
AVSSC
USBDP
USBDM
AVDDC
PVSSC
TM
XIN
PVDDC
DVDDIO1
TMS
TCK
TDI
TDO
TRST
MCLK
USBH_D+R
USBH_D-R
C516
NM
R513
NM
C512
NM
C511
NM
GNDD
IC502
NM
1A
2Y
3Y
GND
VCC
1Y
2A
3A
V+3DU
L503
NM
TP515
C513
NM
R514
NM
X501
NM
33.8688MHz
C514
NM
CH
C515
NM
CH
R515
NM
R512
NM
TP528
RXD
TXD
DVSS1
LRCKI/SS
BCKI/SCLK
SDATA/MOSI
DVDD
R508
R509
R510
R511
C509
NM
C510
NM
MAIN
TP524
TP525
TP526
TP527
USBDAO3
ULR
UBCK
UDT
UMCK
UD
1.5VReg.
V+1R5
TP518
IC503
NM
VOUT
VIN
VSS
NC
ON/OFF
TP517
C554
NM
C553
NM
C552
NM
C551
NM
GNDD

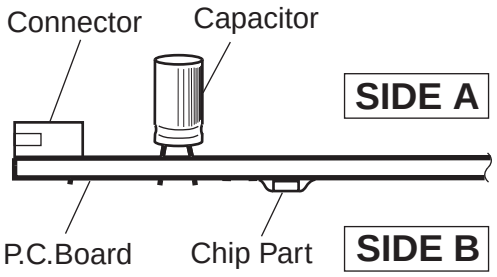
11. PCB CONNECTION DIAGRAM

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
B C E	B C E B C E	Transistor
B C E	B C E B C E	Transistor with resistor
D G S	D G S D G S	Field effect transistor
		Resistor array
		3-terminal regulator

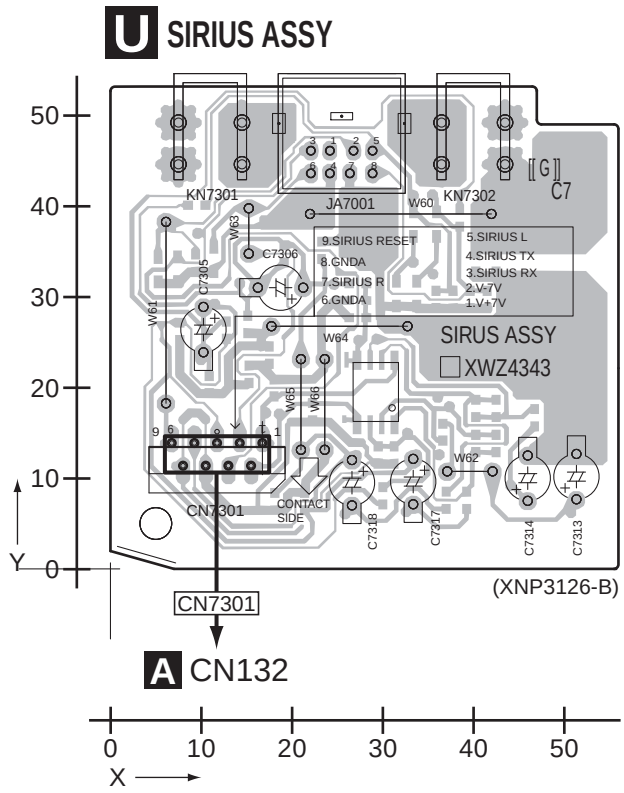
3. The parts mounted on this PCB include all necessary parts for several destinations.
   For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.

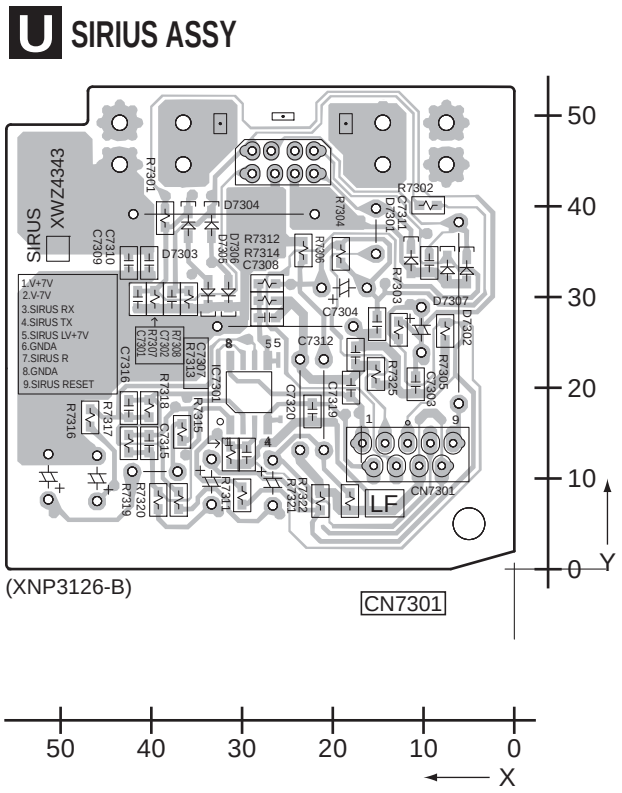


11.1 SIRIUS ASSY

SIDE A

SIDE B

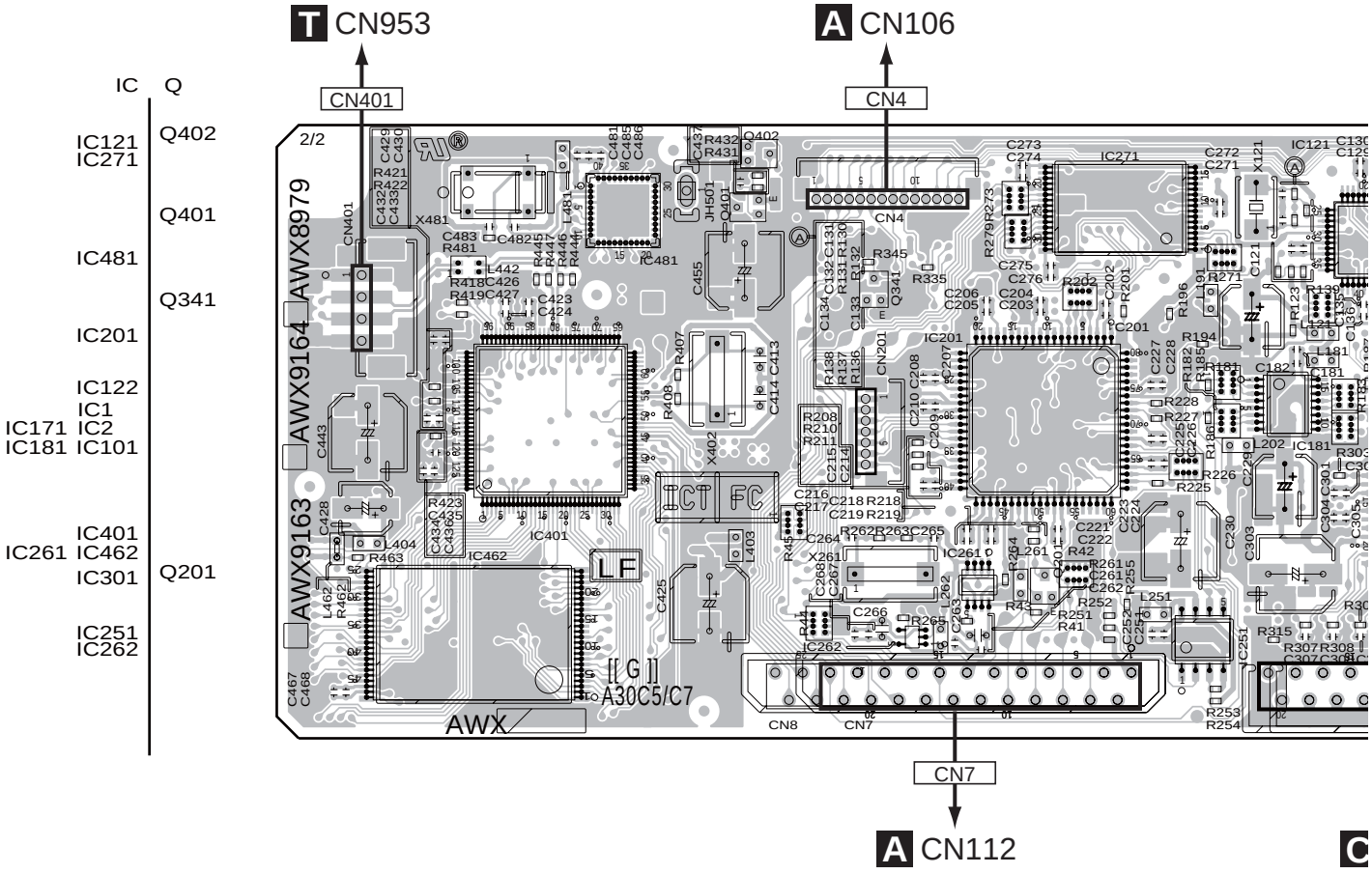




11.2 DSP & USB and HDMI ASSYS

SIDE A

B DSP&USB ASSY



SIDE A

A

B

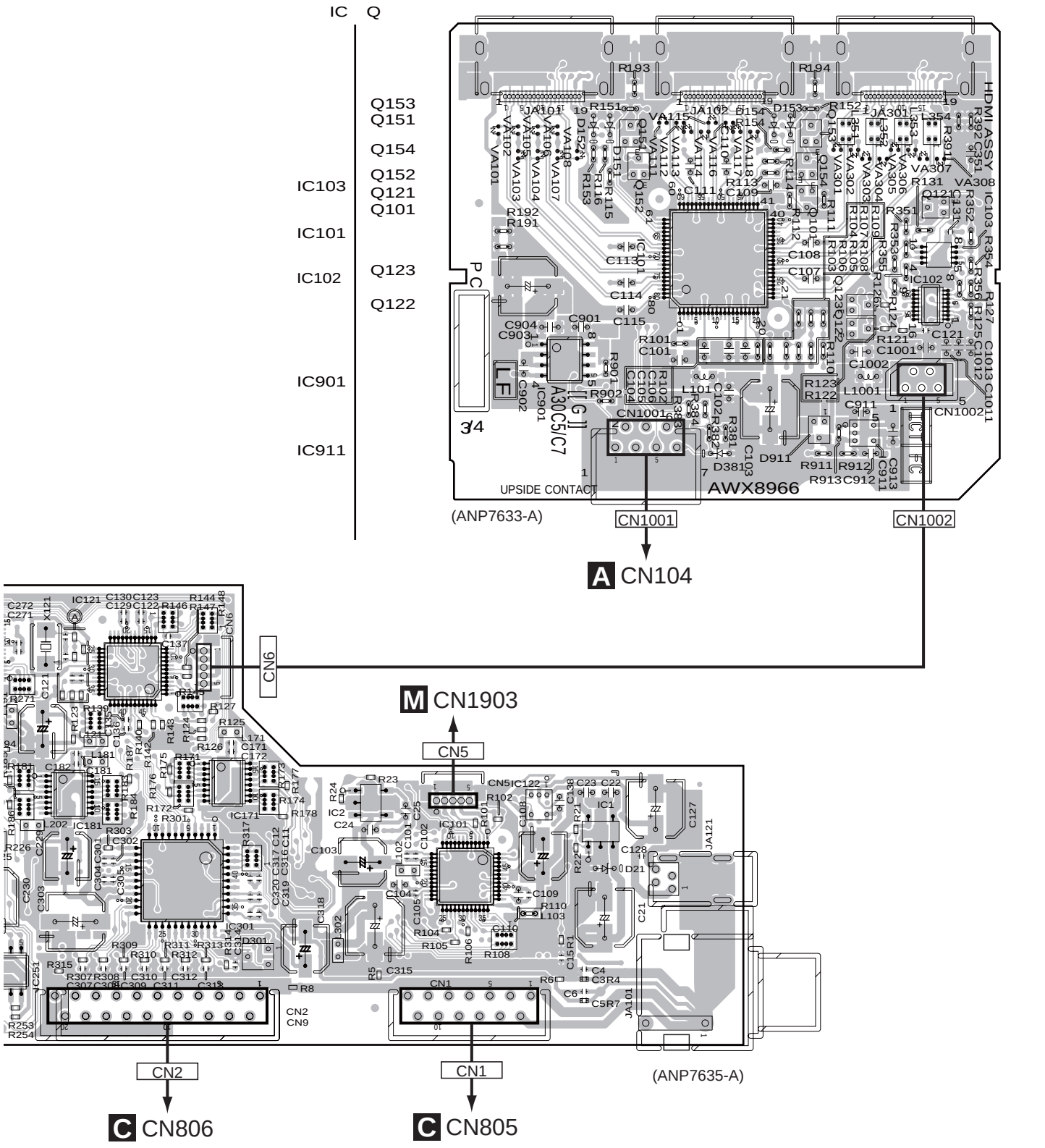
C

D

E

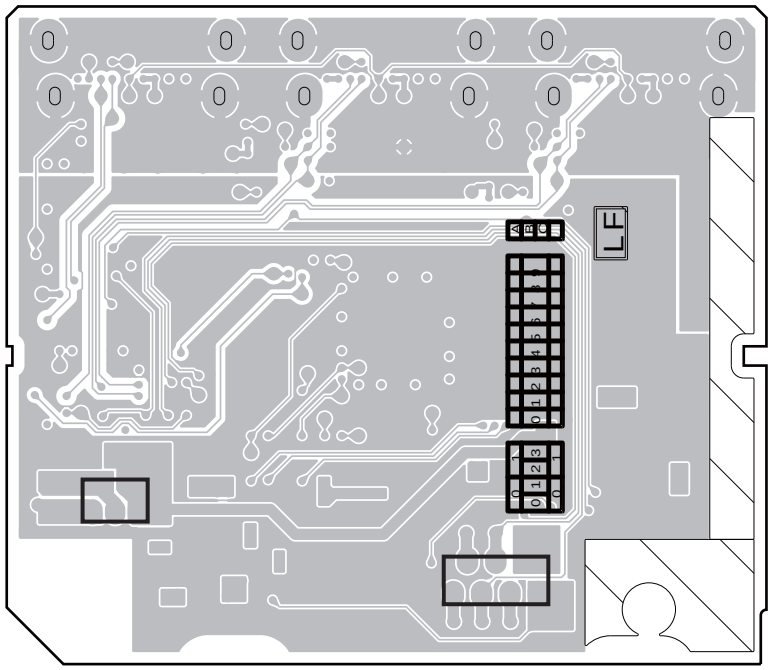
F

W HDMI ASSY



SIDE B

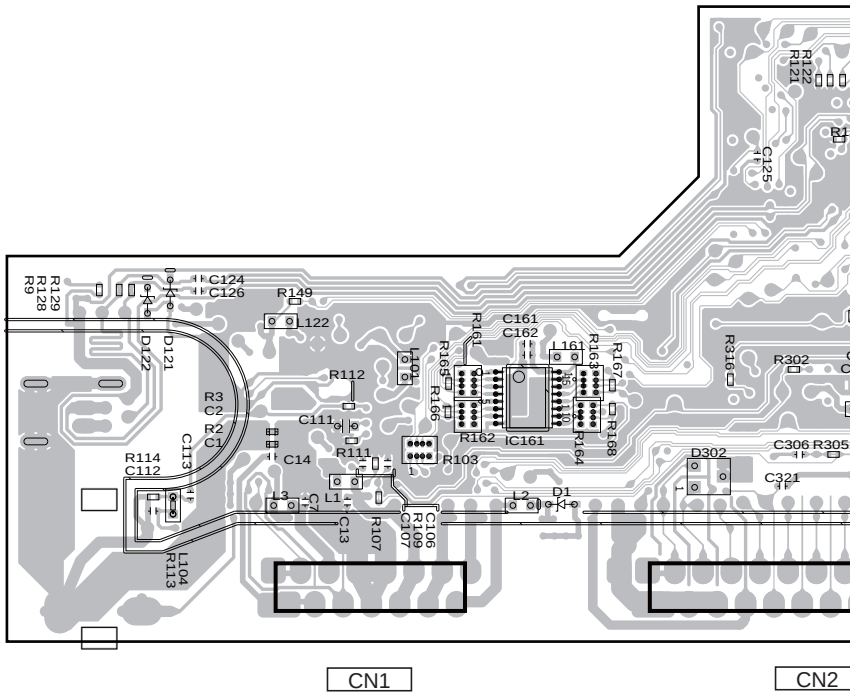
W HDMI ASSY



(ANP7633-A)

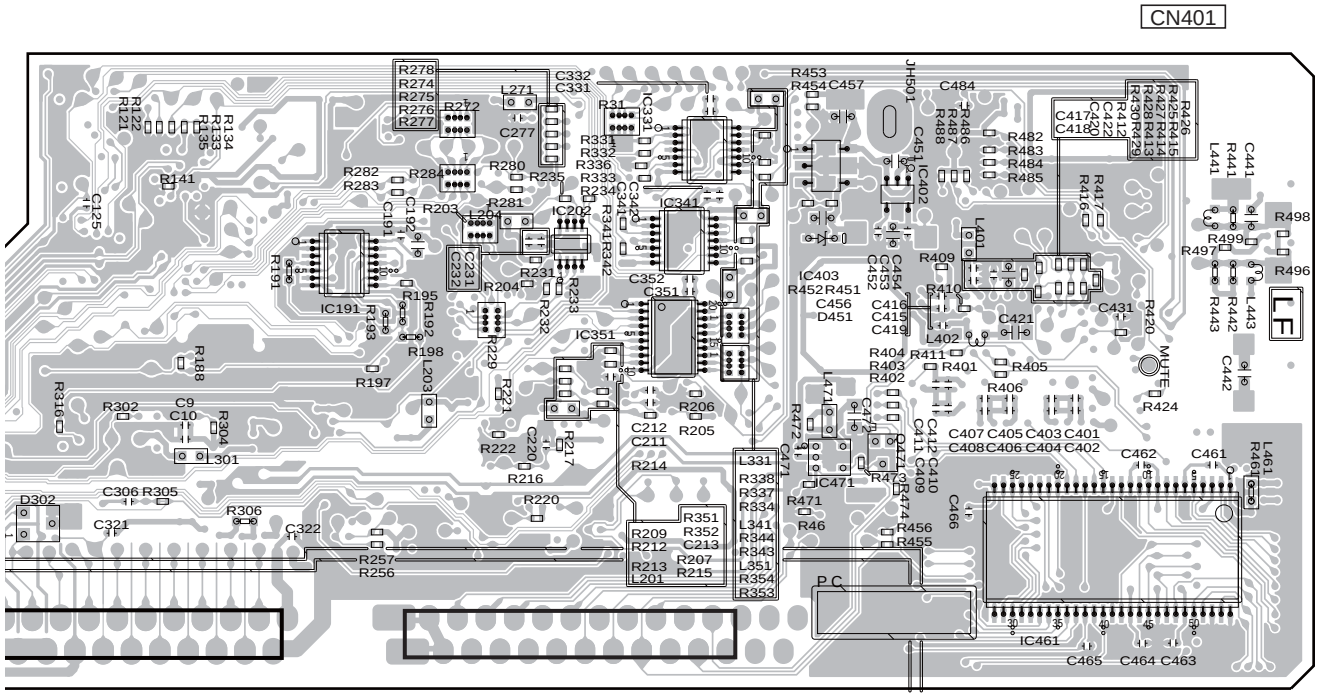
IC Q

IC331
IC402
IC341
IC202
IC403
IC191
IC351
Q471
IC471
IC161
IC461



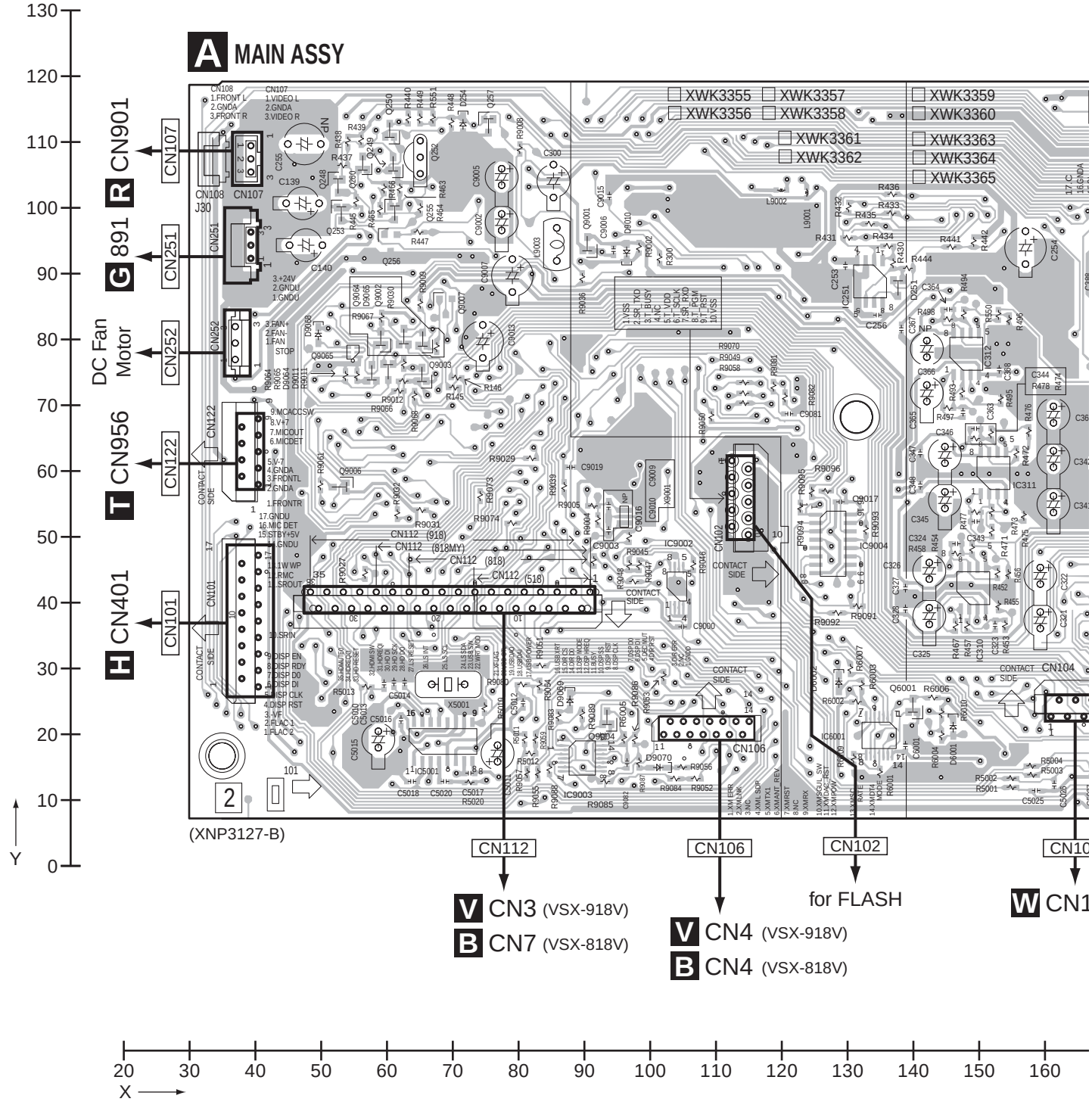
SIDE B

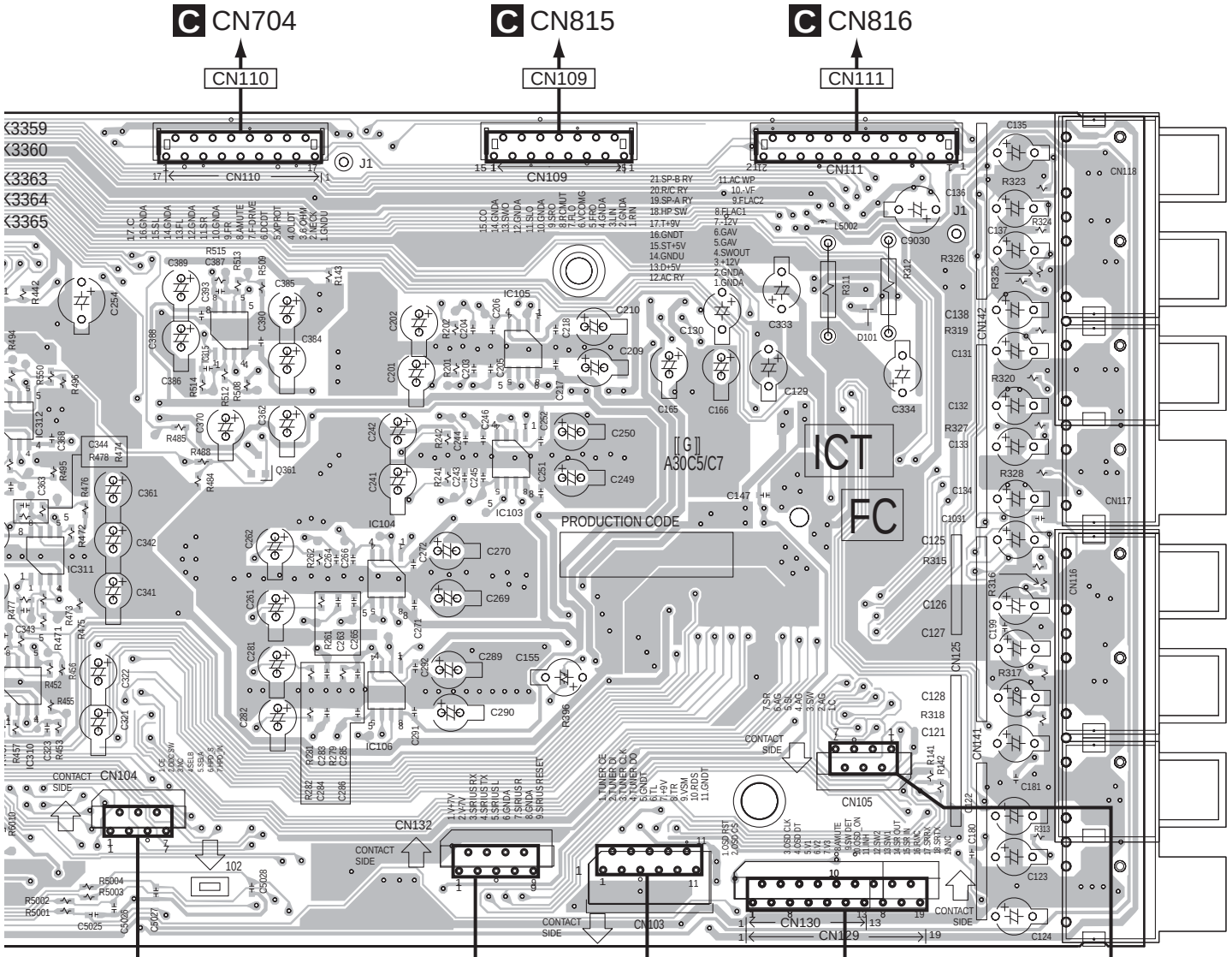
B DSP&USB ASSY



11.3 MAIN ASSY

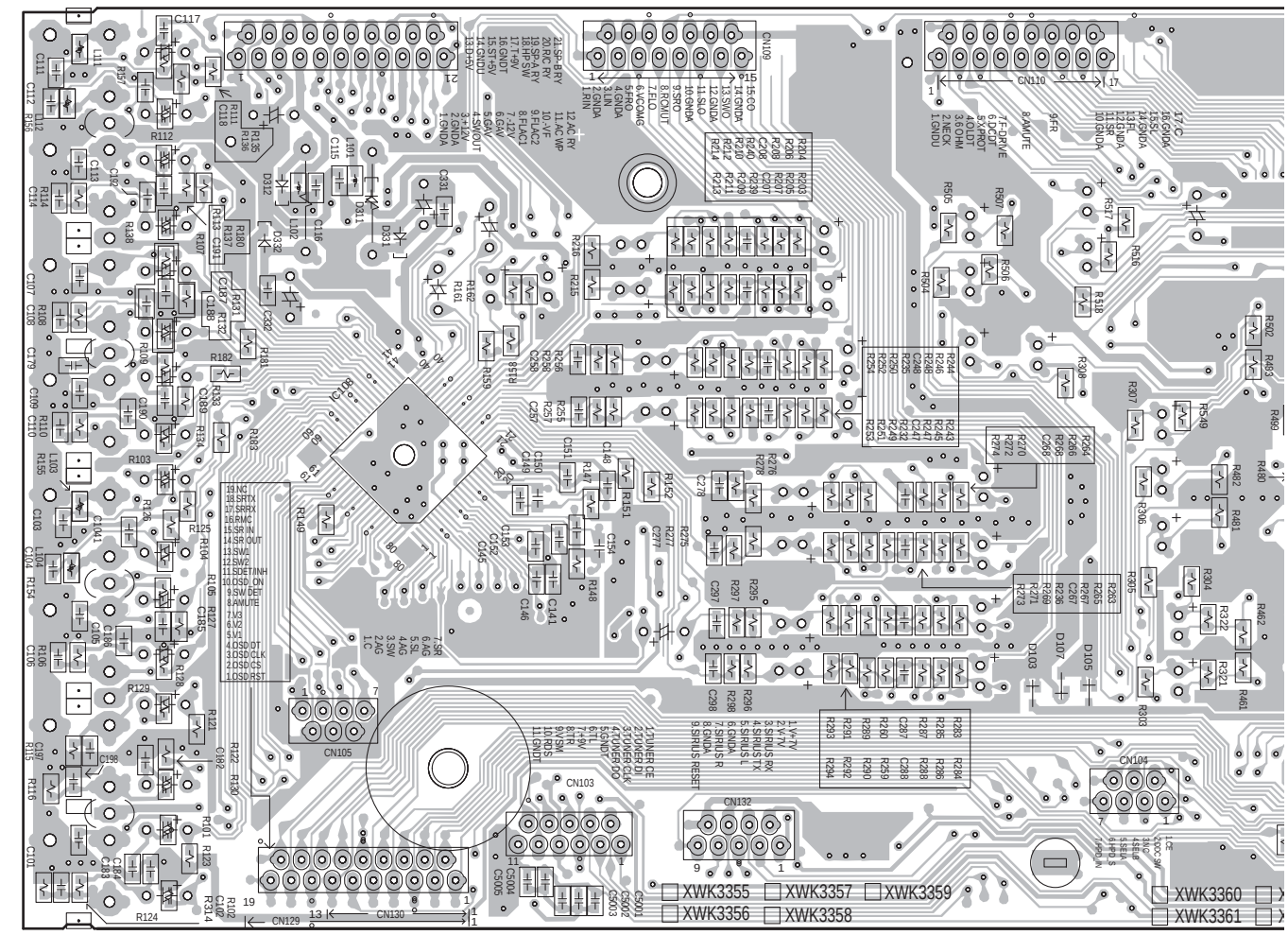
SIDE A




C CN704
CN110
C CN815
CN109
C CN816
CN111
CN104
CN132
CN103
CN129 (VSX-918V)
CN130 (VSX-818V)
CN105
W CN1001
U CN7301
FM/AM TUNER Unit
P CN303 (VSX-918V)
P CN304 (VSX-818V)
F CN307
ICT
FC
PRODUCTION CODE
A30C5/C7

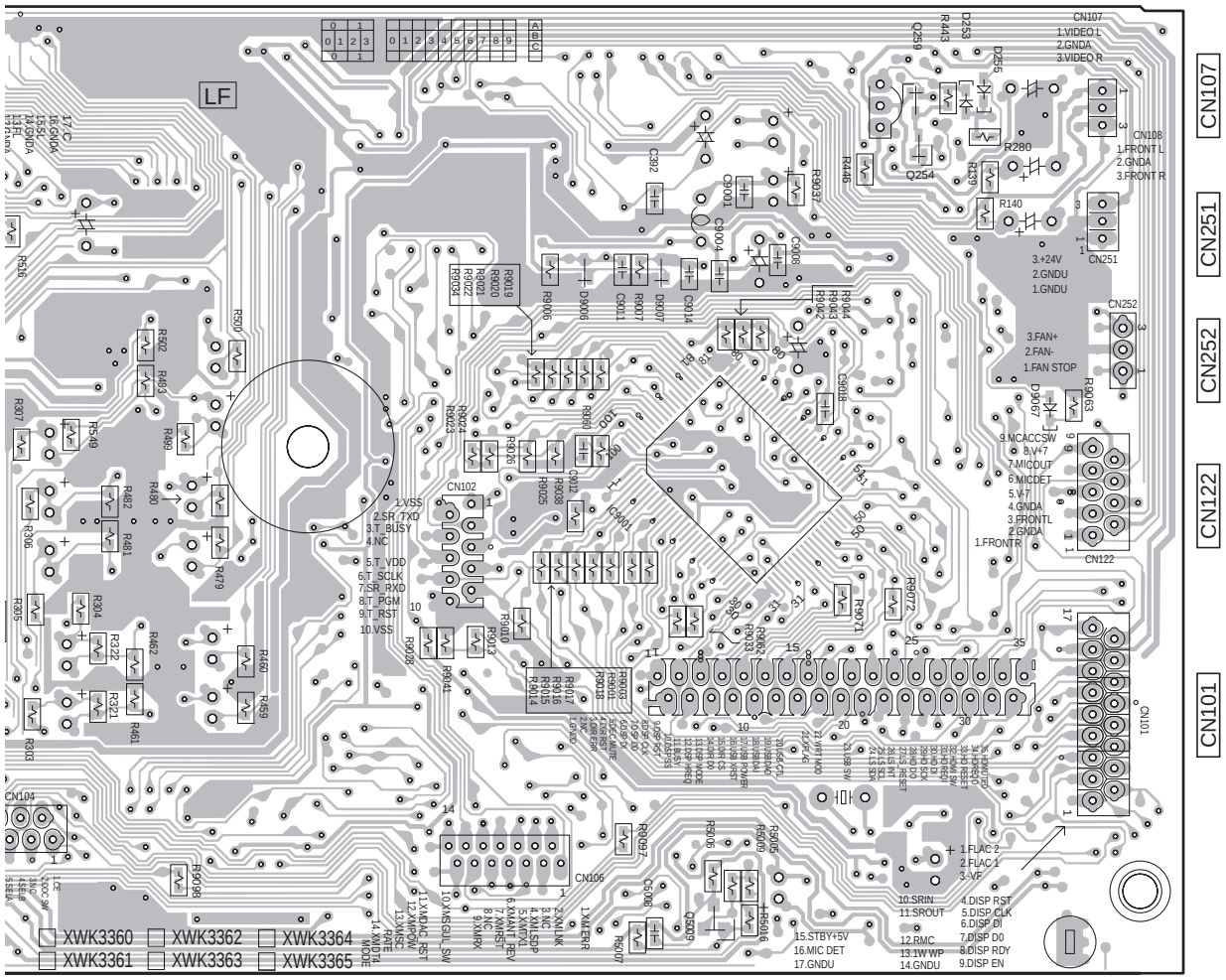
SIDE B

A MAIN ASSY



CN105 CN129 (VSX-918V) CN130 (VSX-818V) CN103 CN132 CN104

300 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150

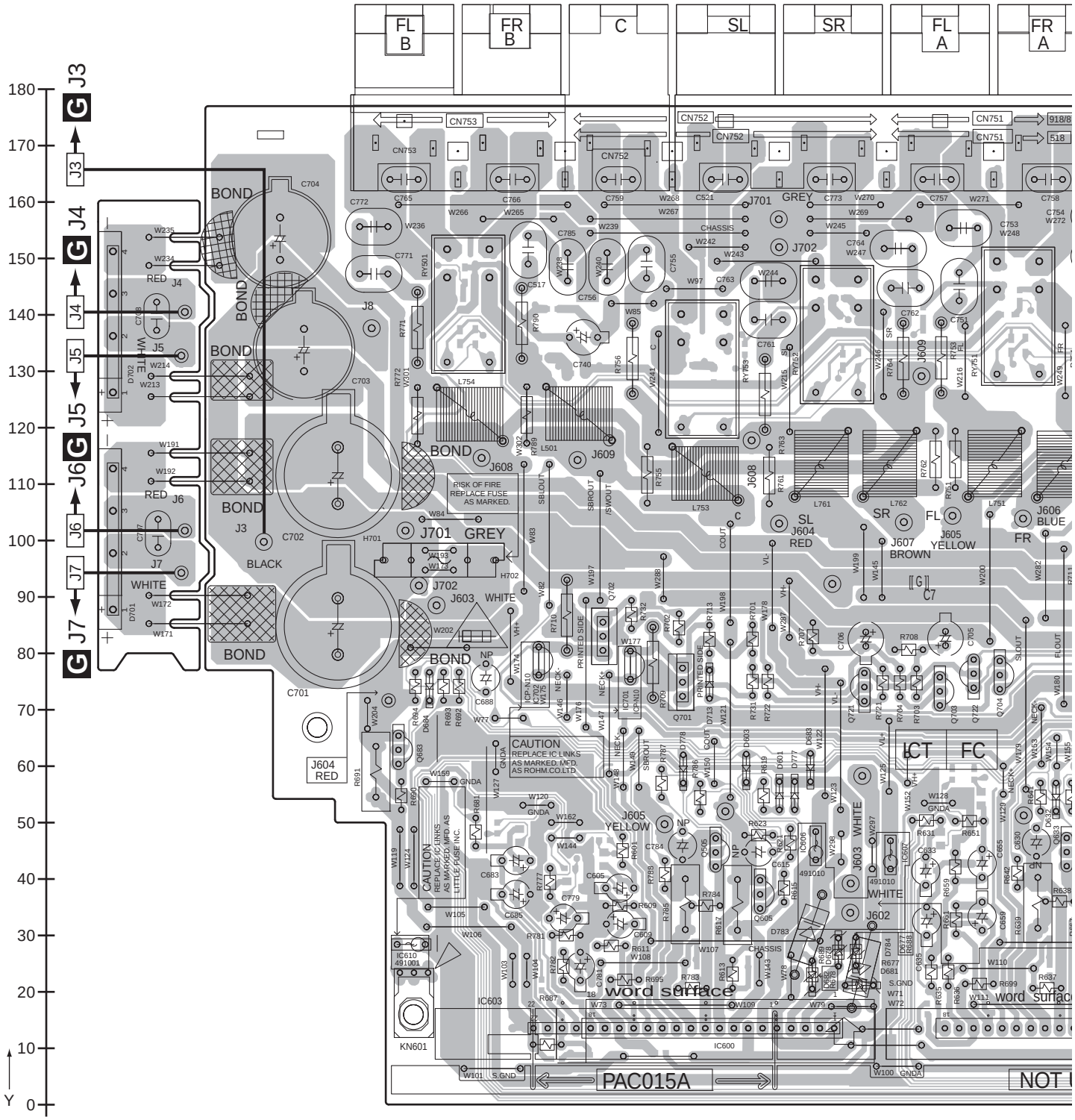

LF
CN107
CN251
CN252
CN122
CN101
CN104
CN102
CN106
CN112
XWK3360
XWK3361
XWK3362
XWK3363
XWK3364
XWK3365

(XNP3127-B)

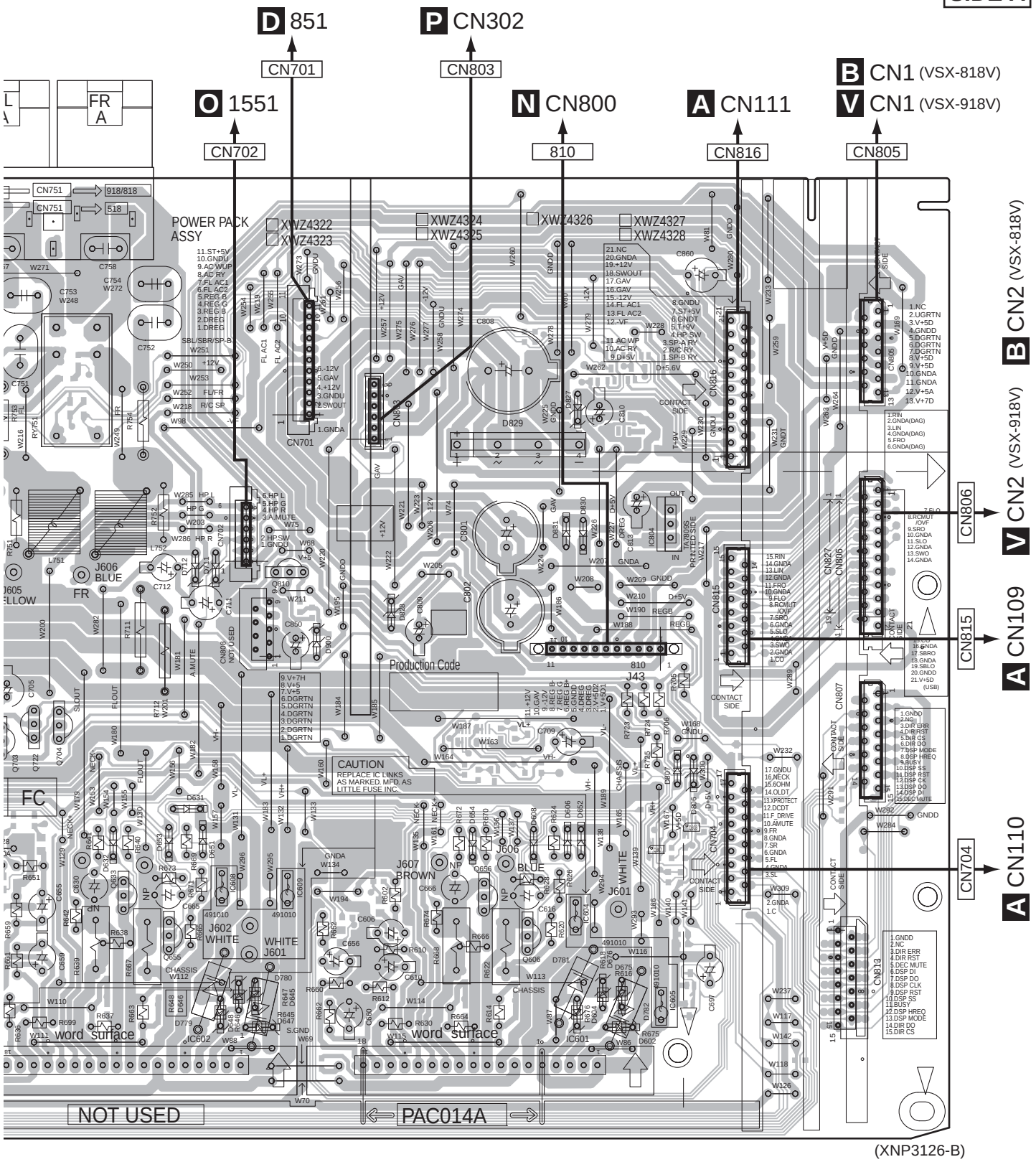
11.4 POWER PACK ASSY

SIDE A

C POWER PACK ASSY

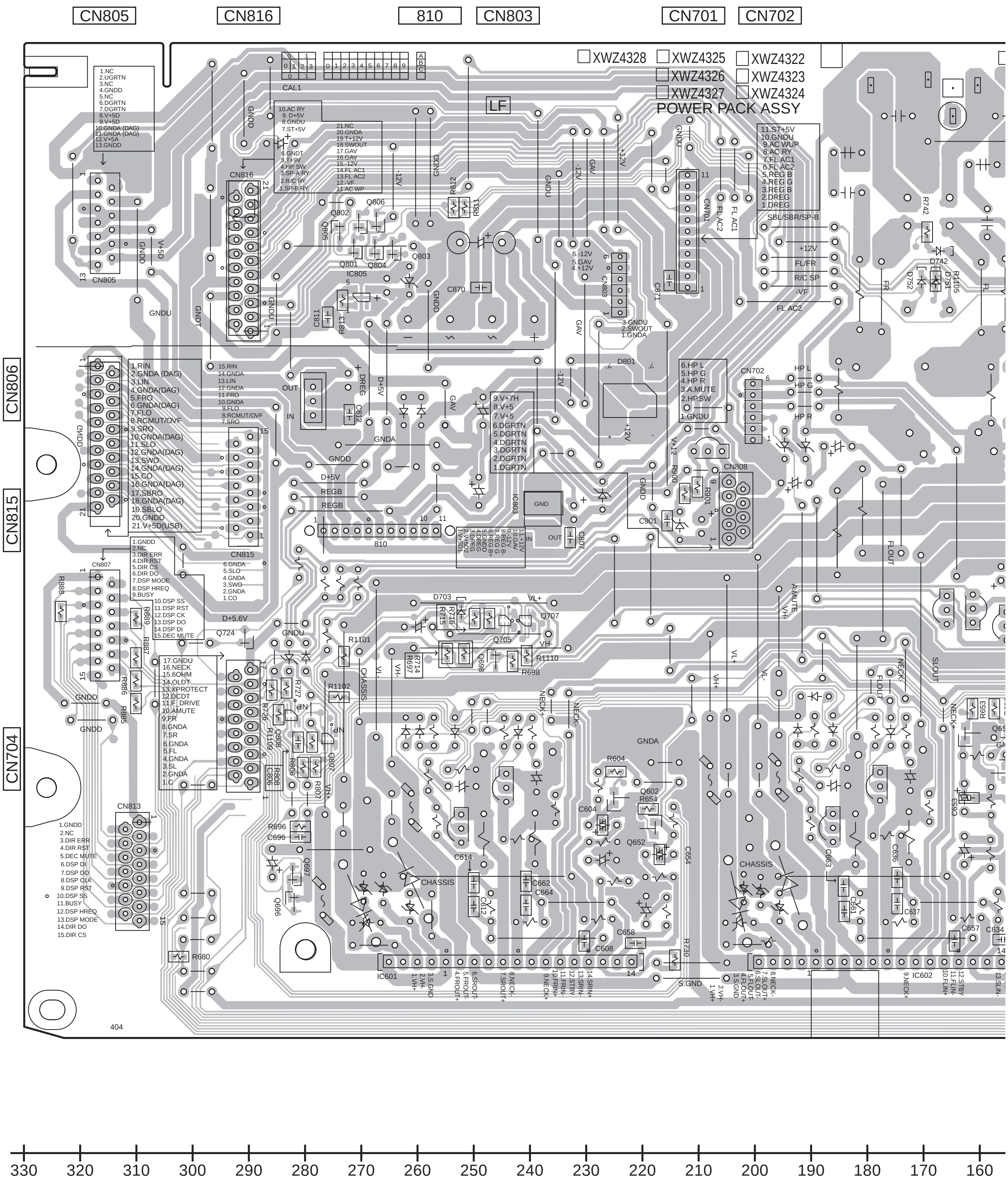


SIDE A

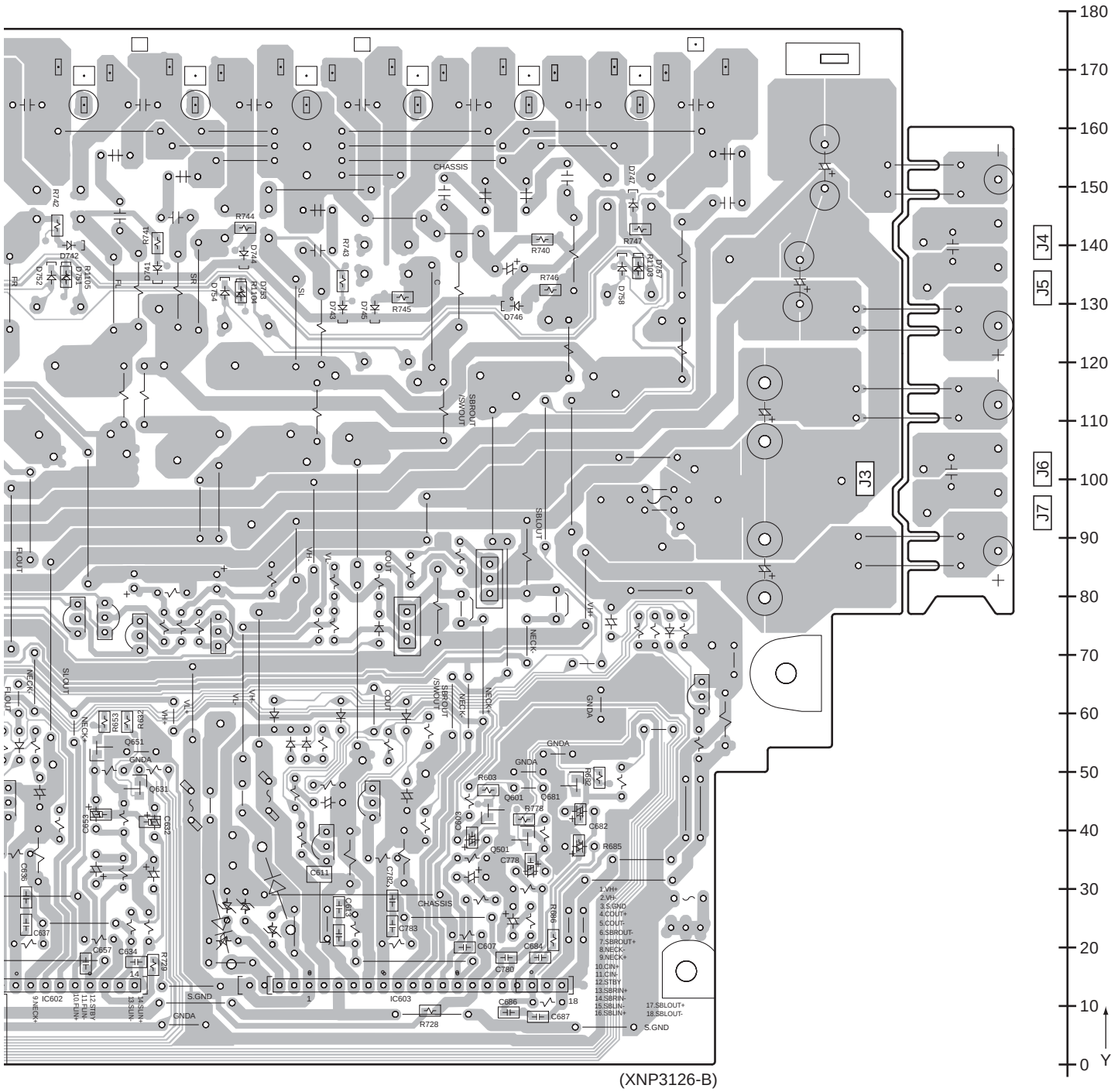

D 851
CN701
P CN302
CN803
O 1551
CN702
N CN800
810
A CN111
CN816
B CN1 (VSX-818V)
V CN1 (VSX-918V)
CN805
POWER PACK ASSY
XWZ4322
XWZ4323
XWZ4324
XWZ4325
XWZ4326
XWZ4327
XWZ4328
B CN2 (VSX-818V)
V CN2 (VSX-918V)
CN806
A CN109
CN815
A CN110
CN704
J606 BLUE
J607 BROWN
J602 WHITE
J601 WHITE
Production Code
CAUTION
REPLACE IC LINKS AS MARKED. MFD. AS LITTLE FUSE INC.
word surface
NOT USED
PAC014A
(XNP3126-B)

SIDE B

C POWER PACK ASSY



SIDE B

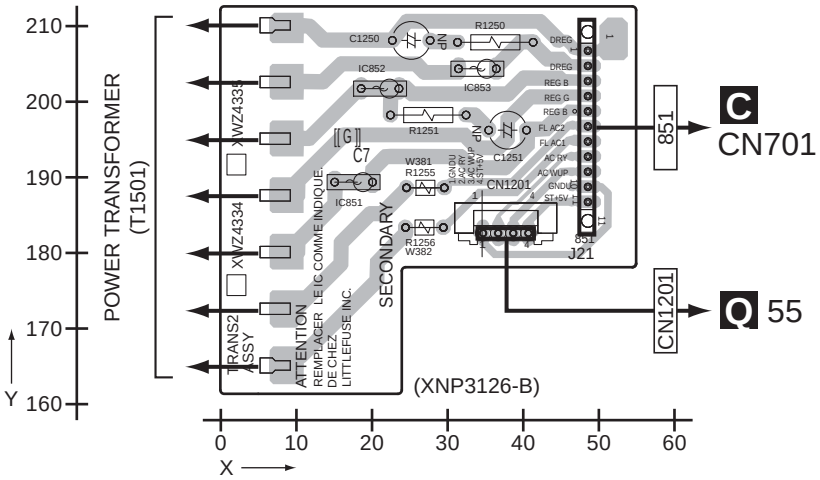


(XNP3126-B)

11.5 TRANS2 and TRANS3 ASSYS

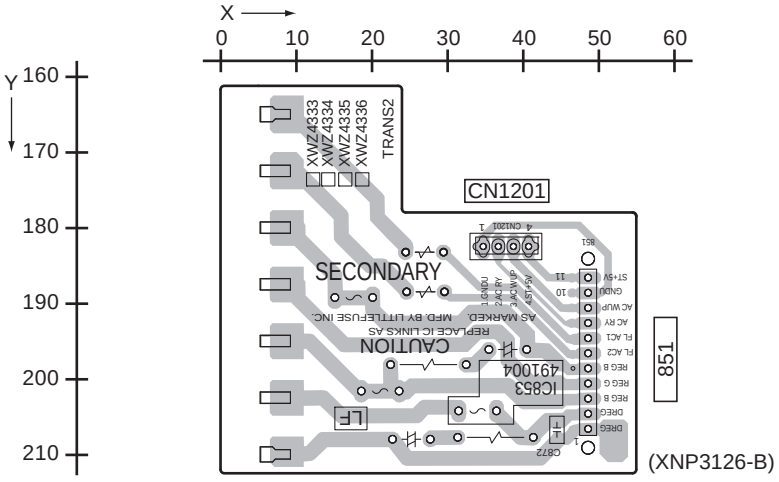
SIDE A

D TRANS2 ASSY



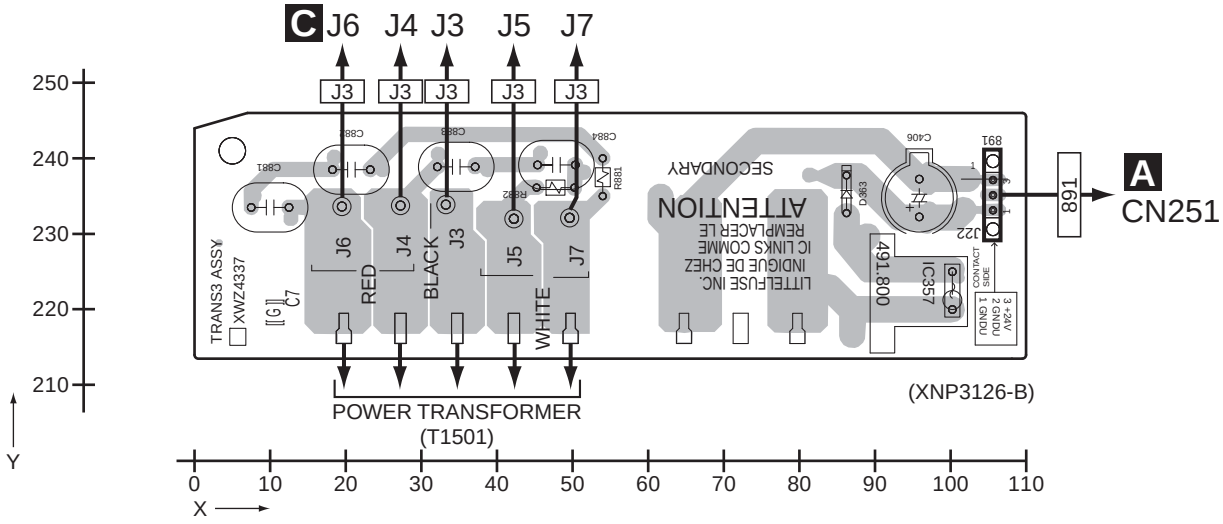
SIDE B

D TRANS2 ASSY



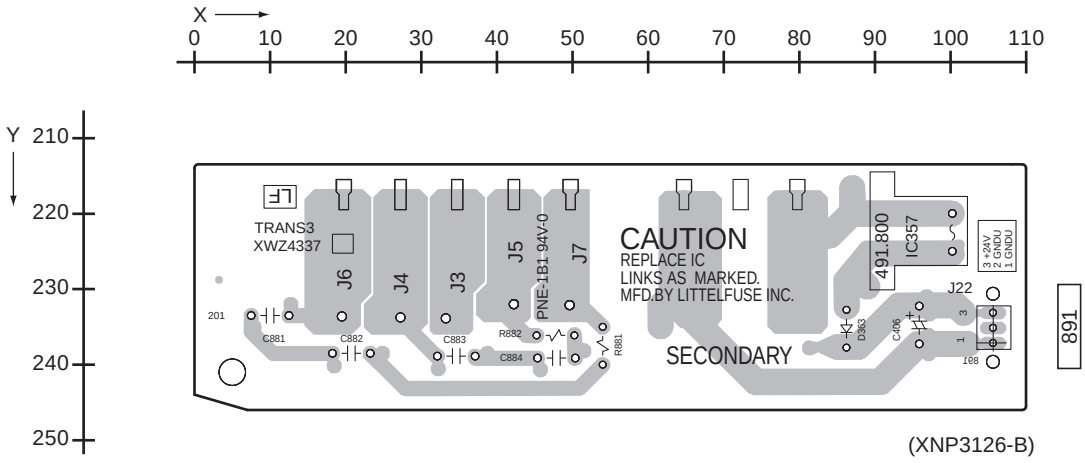
SIDE A

G TRANS3 ASSY



SIDE B

G TRANS3 ASSY

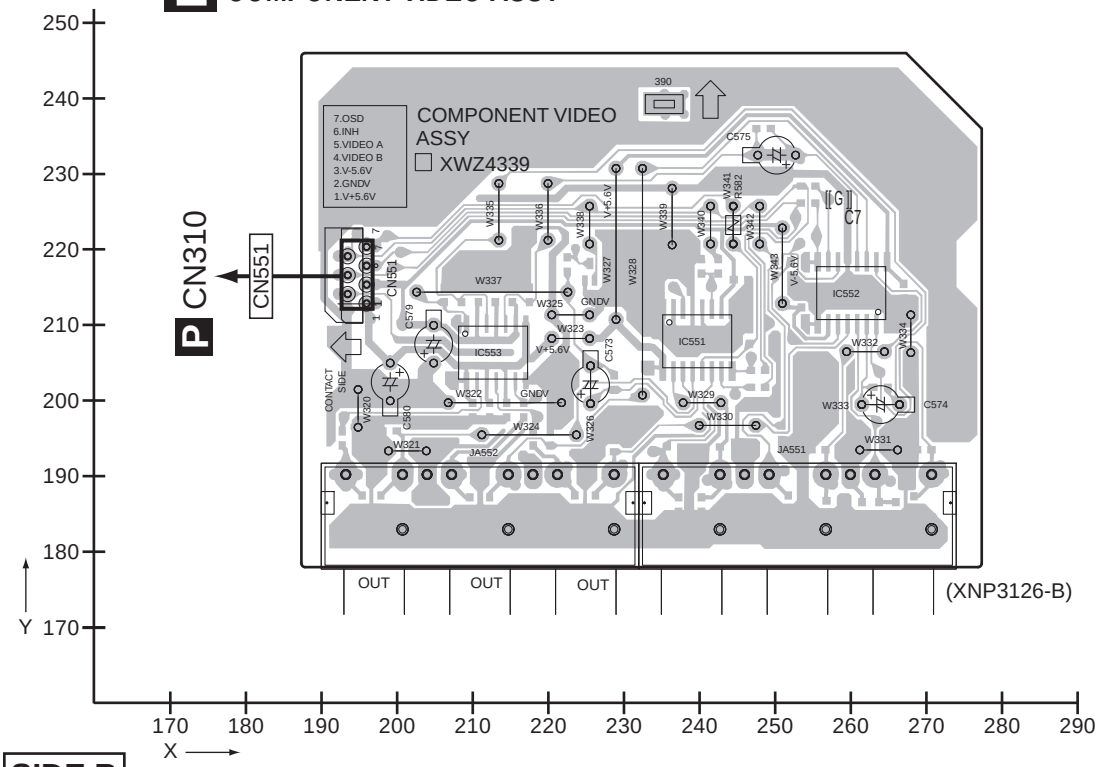


11.6 COMPONENT VIDEO ASSY

SIDE A

SIDE A

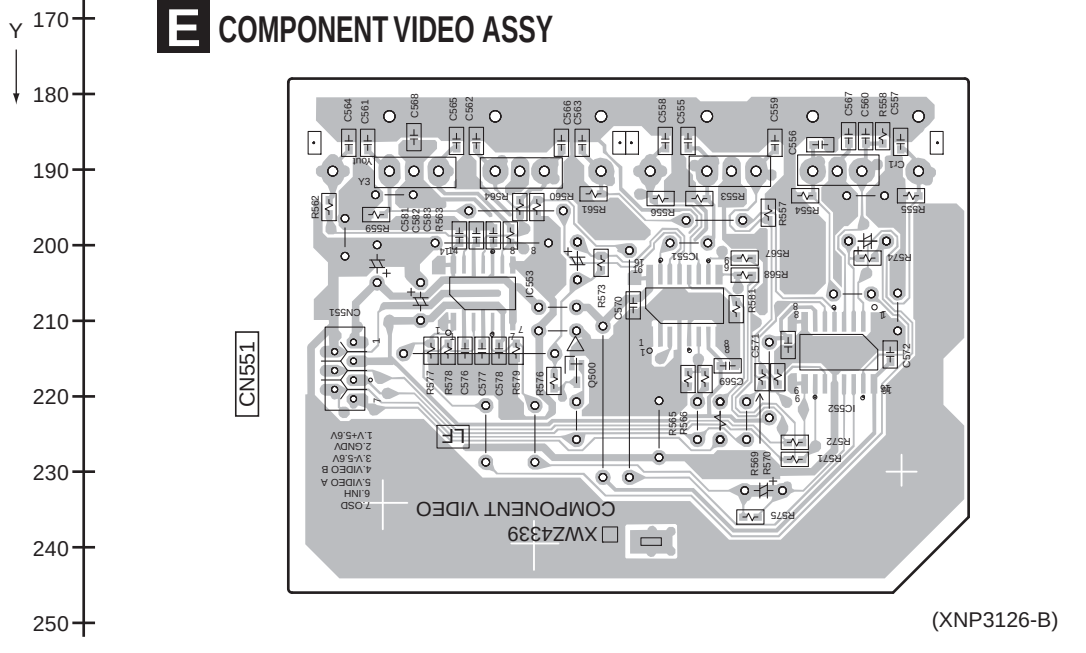
E COMPONENT VIDEO ASSY



SIDE B

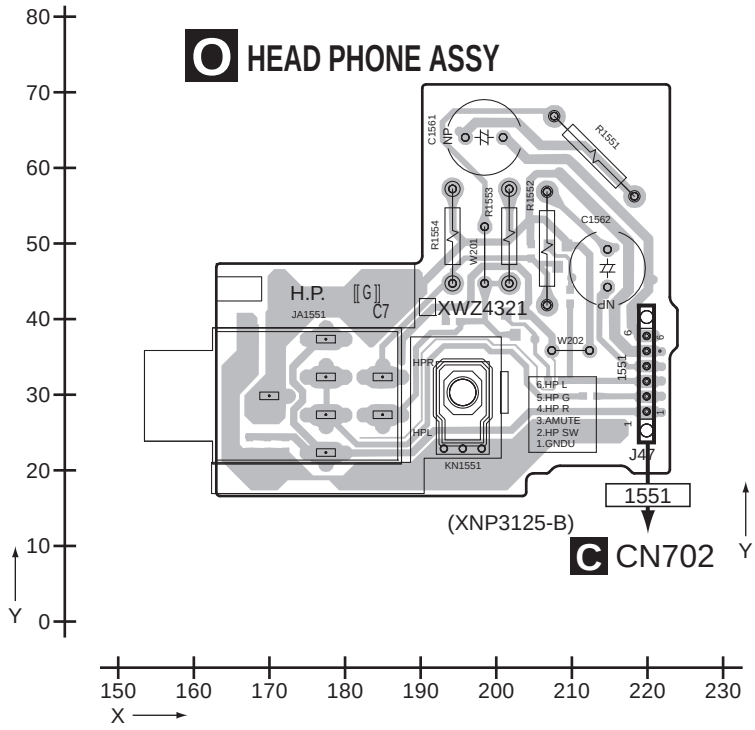
SIDE B

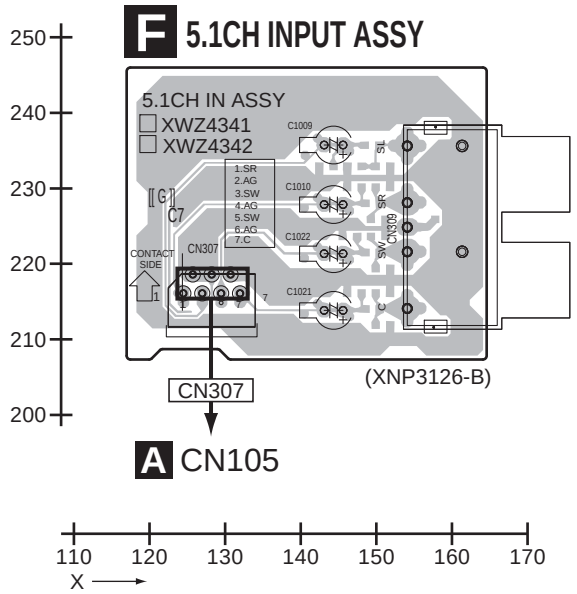
E COMPONENT VIDEO ASSY



11.7 5.1CH INPUT and HEAD PHONE ASSYS

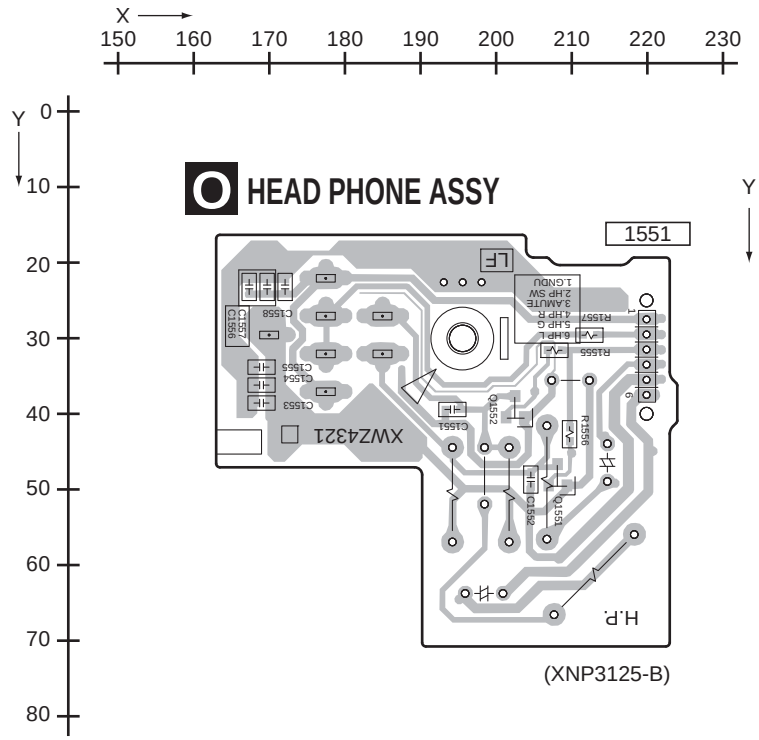
SIDE A

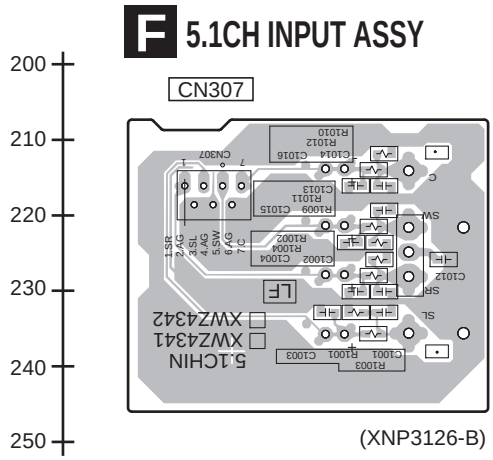




SIDE A

SIDE B





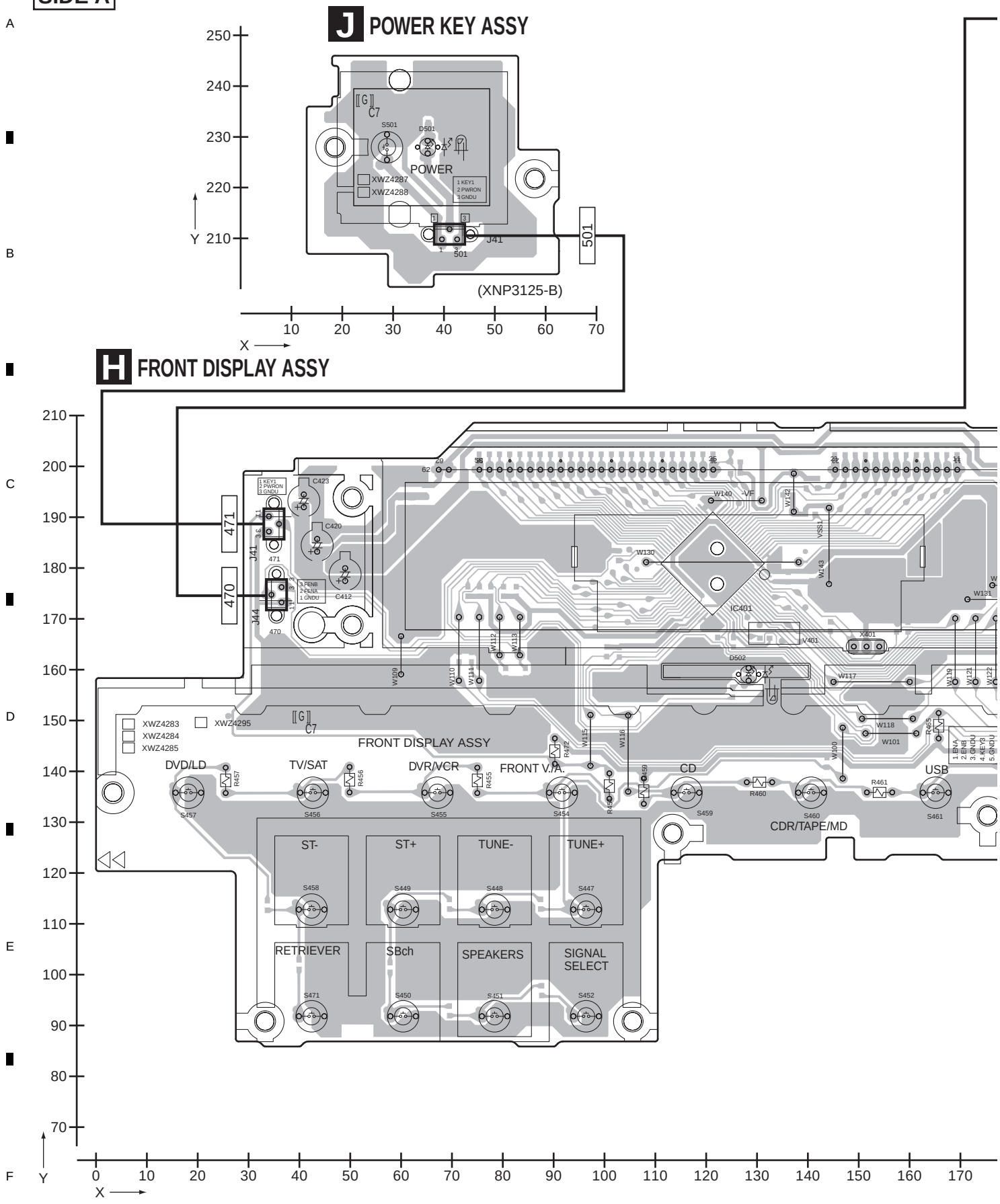
SIDE B

F O

F O

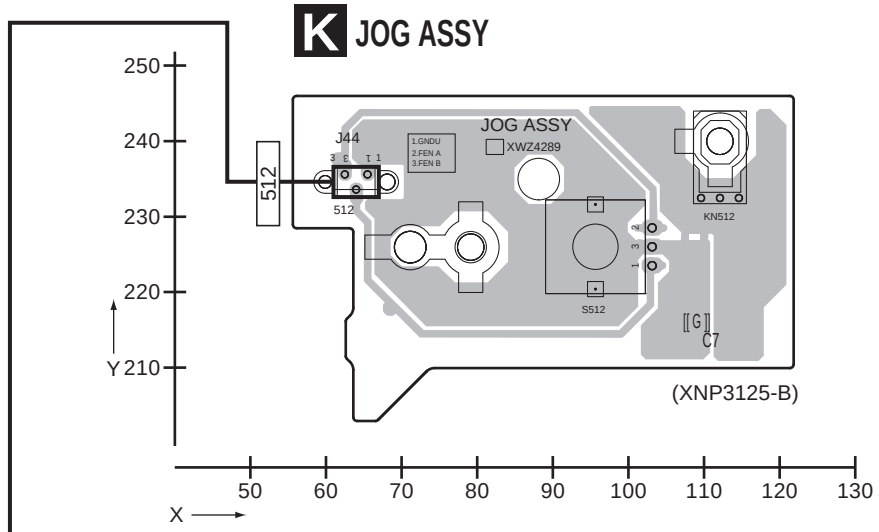
11.8 FRONT DISPLAY, ROTARY ENCODER, POWER KEY and JOG ASSYS

SIDE A

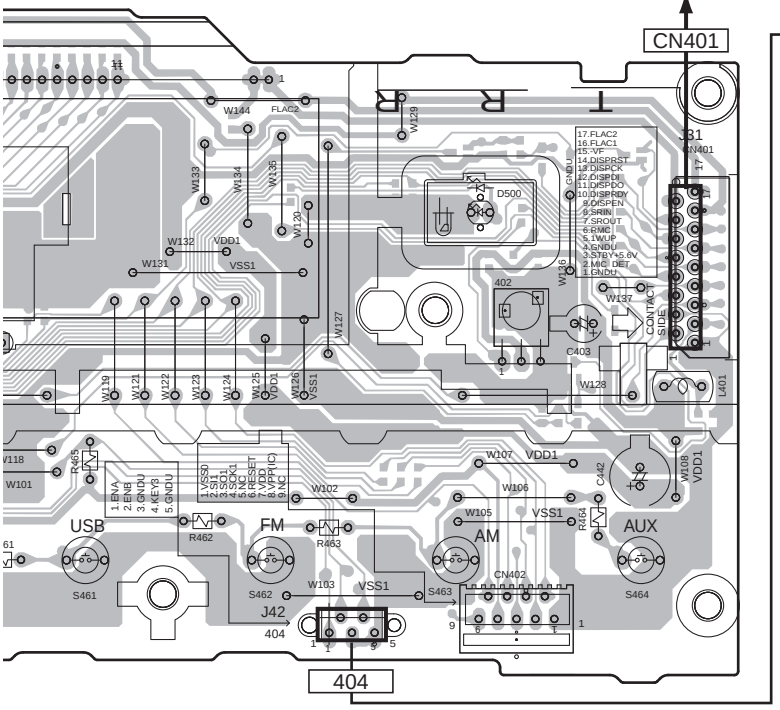


H J

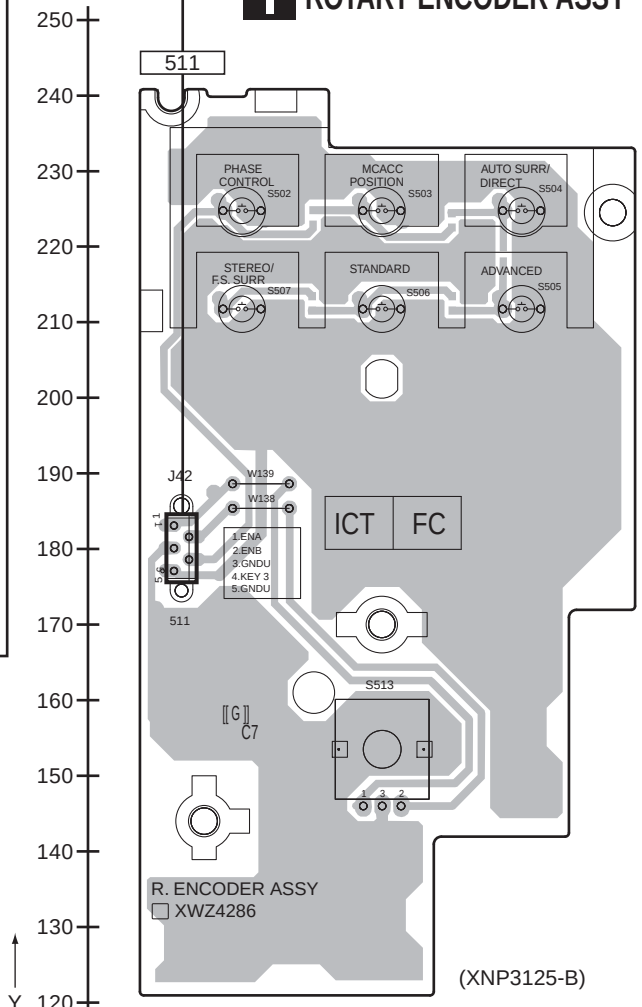
K JOG ASSY



A CN101

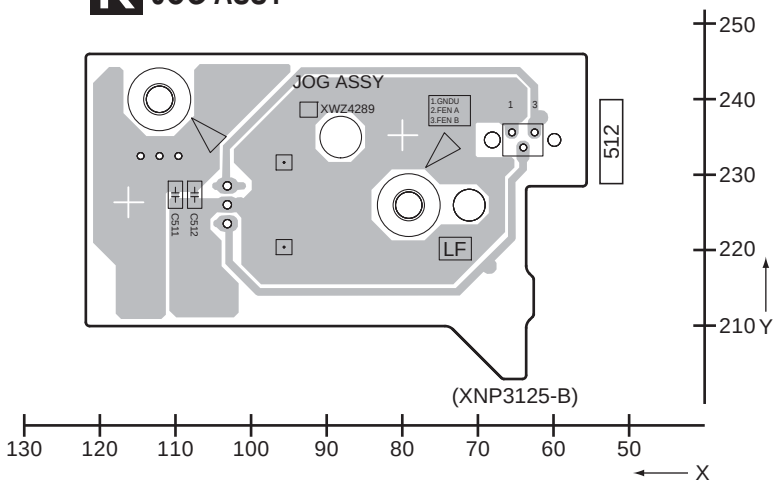


I ROTARY ENCODER ASSY



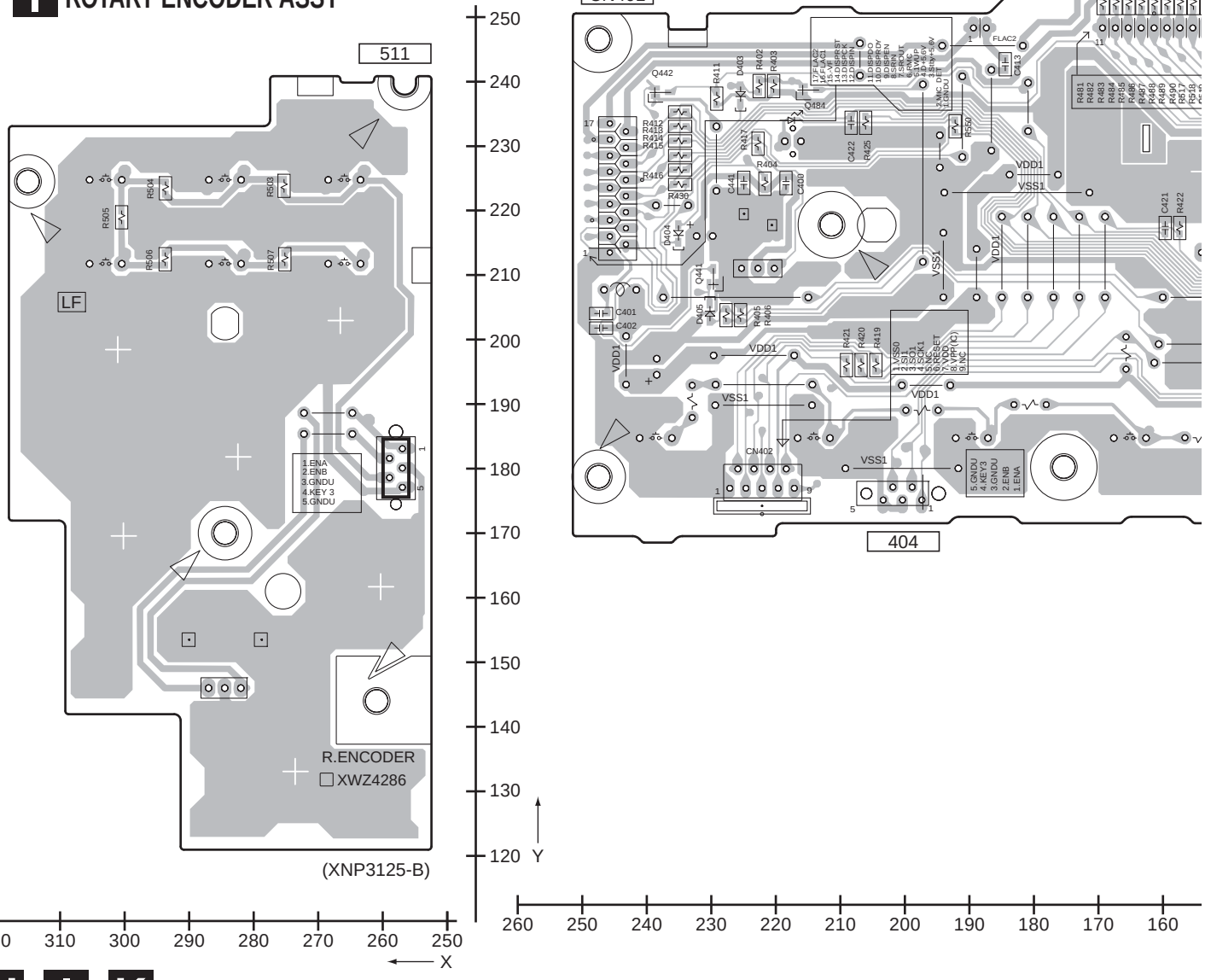
SIDE B

K JOG ASSY



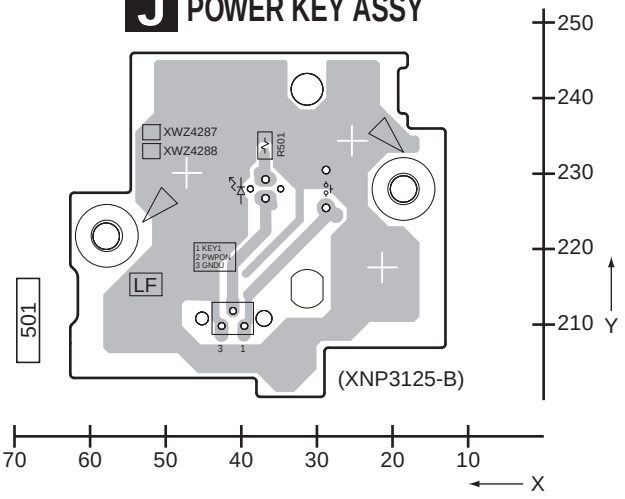
H FRONT DISPLAY ASSY

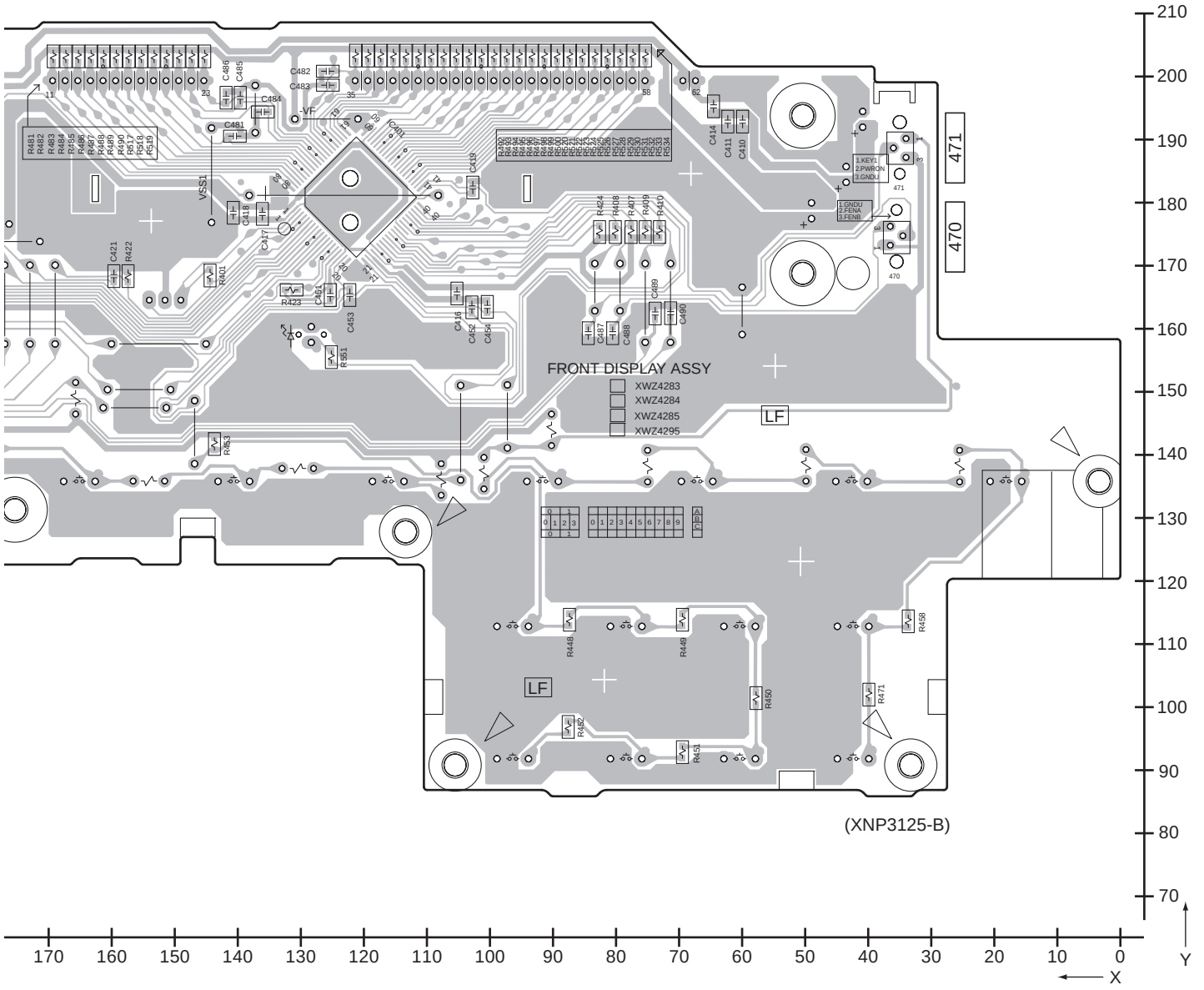
I ROTARY ENCODER ASSY



H I K

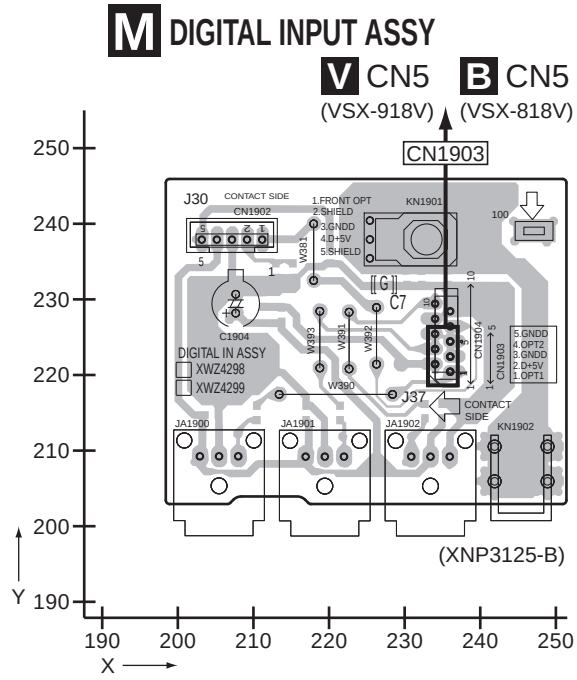
J POWER KEY ASSY



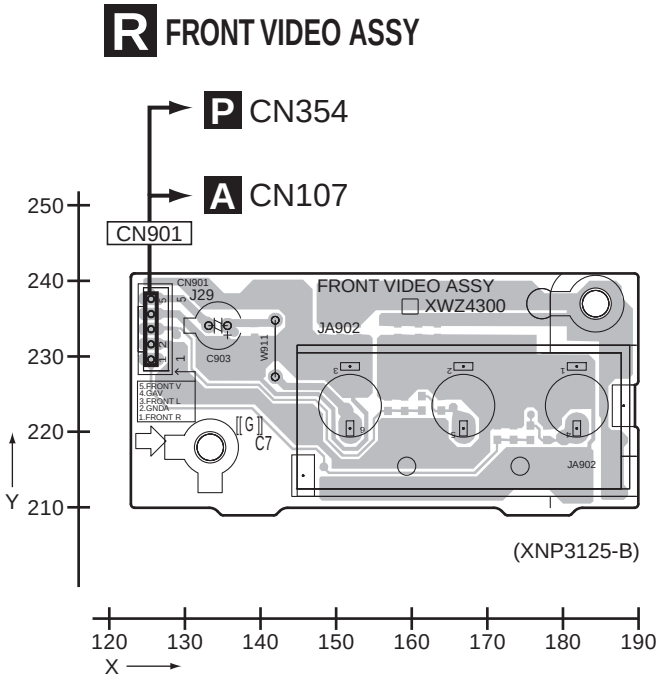


11.9 DIGITAL INPUT and FRONT VIDEO ASSYS

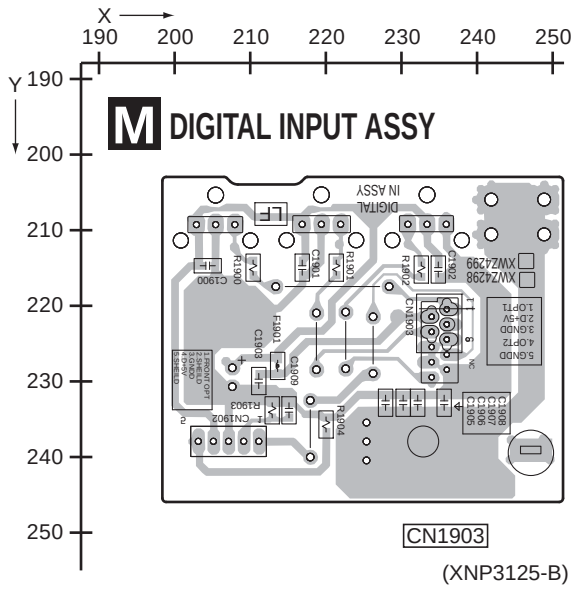
SIDE A



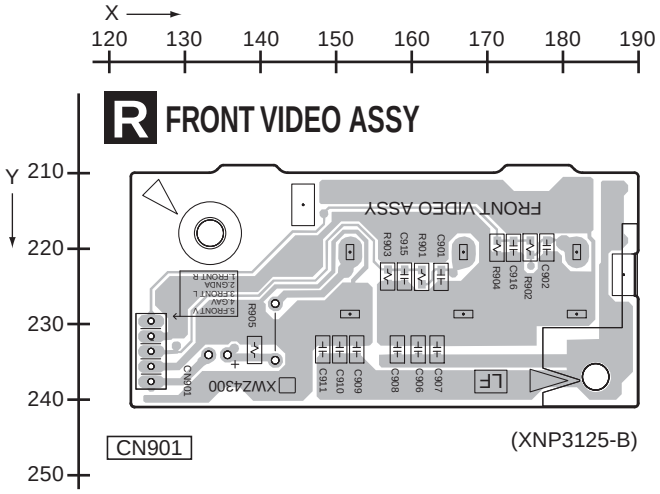
SIDE A



SIDE B

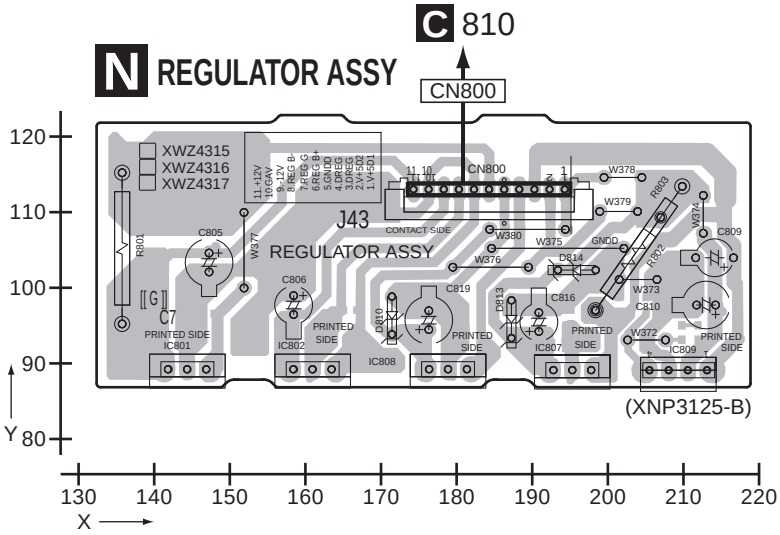


SIDE B

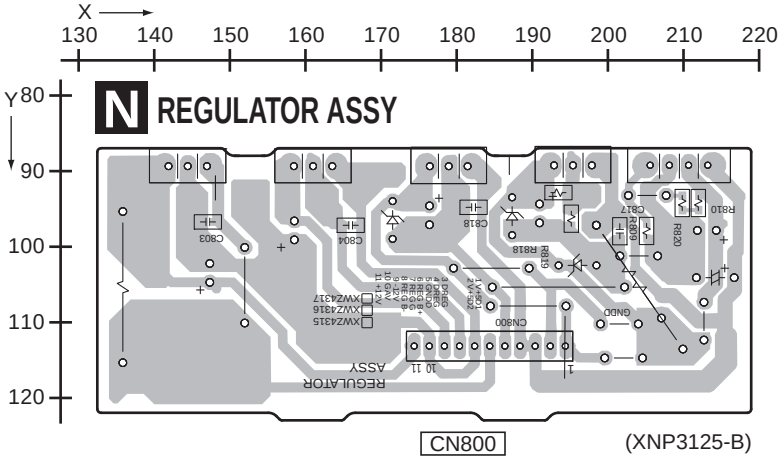


11.10 REGULATOR ASSY

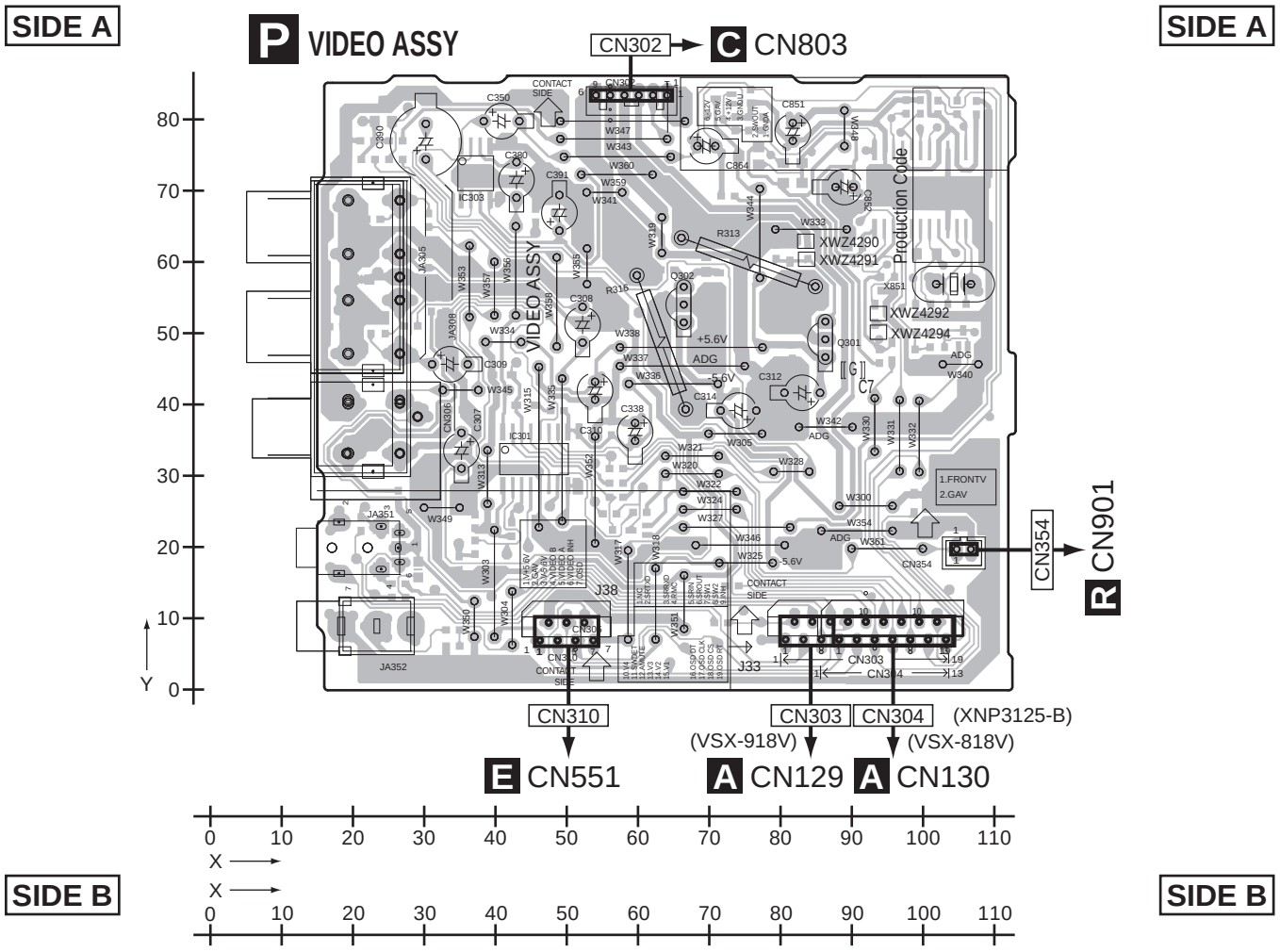
SIDE A

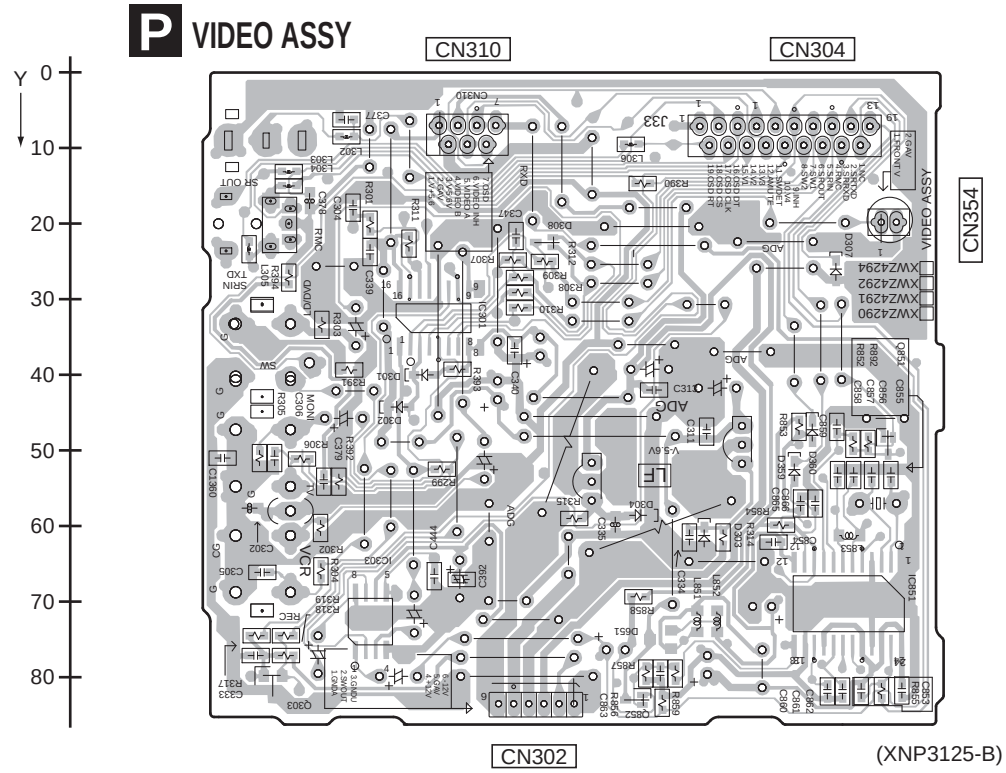


SIDE B



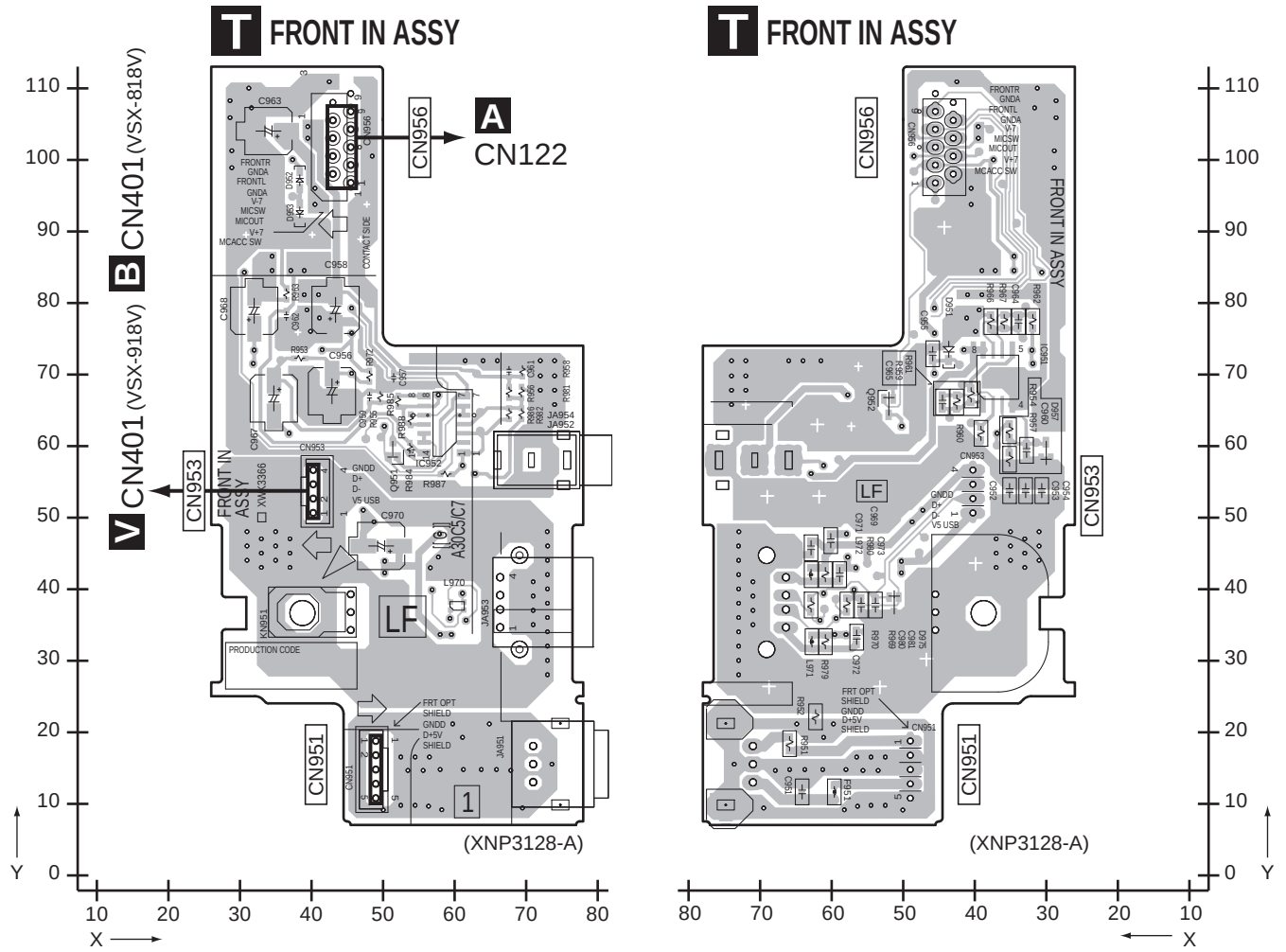
11.11 VIDEO ASSY





11.12 FRONT IN ASSY

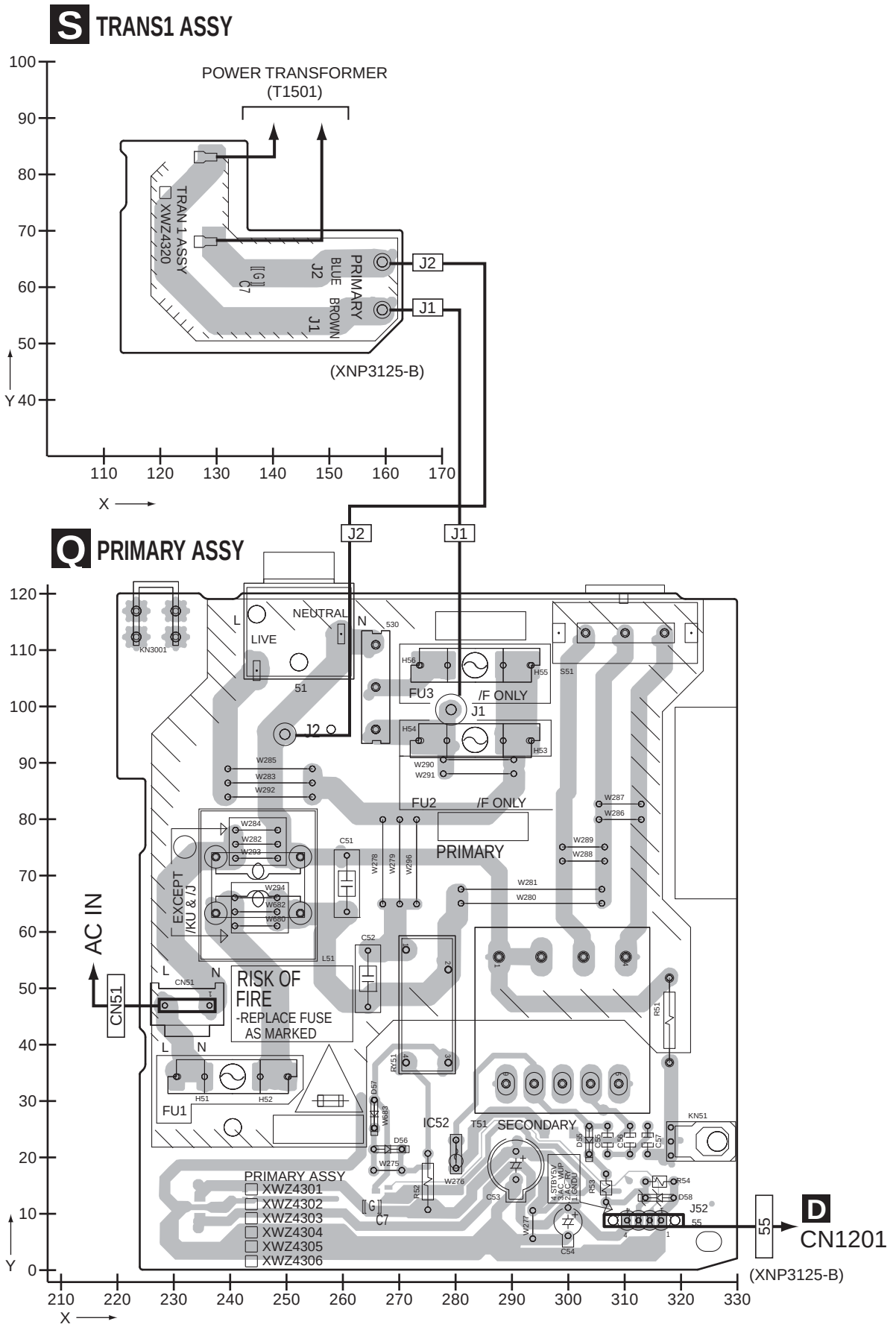
SIDE A **SIDE B**



11.13 TRANS1 and PRIMARY ASSYS

SIDE A

SIDE A

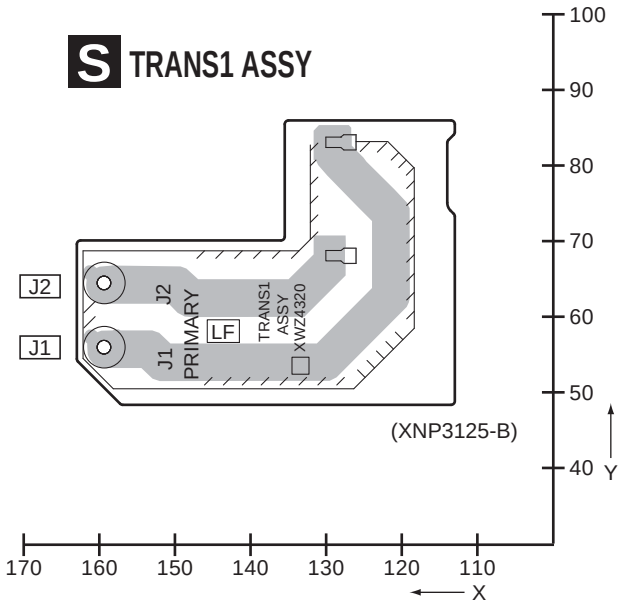


Q S

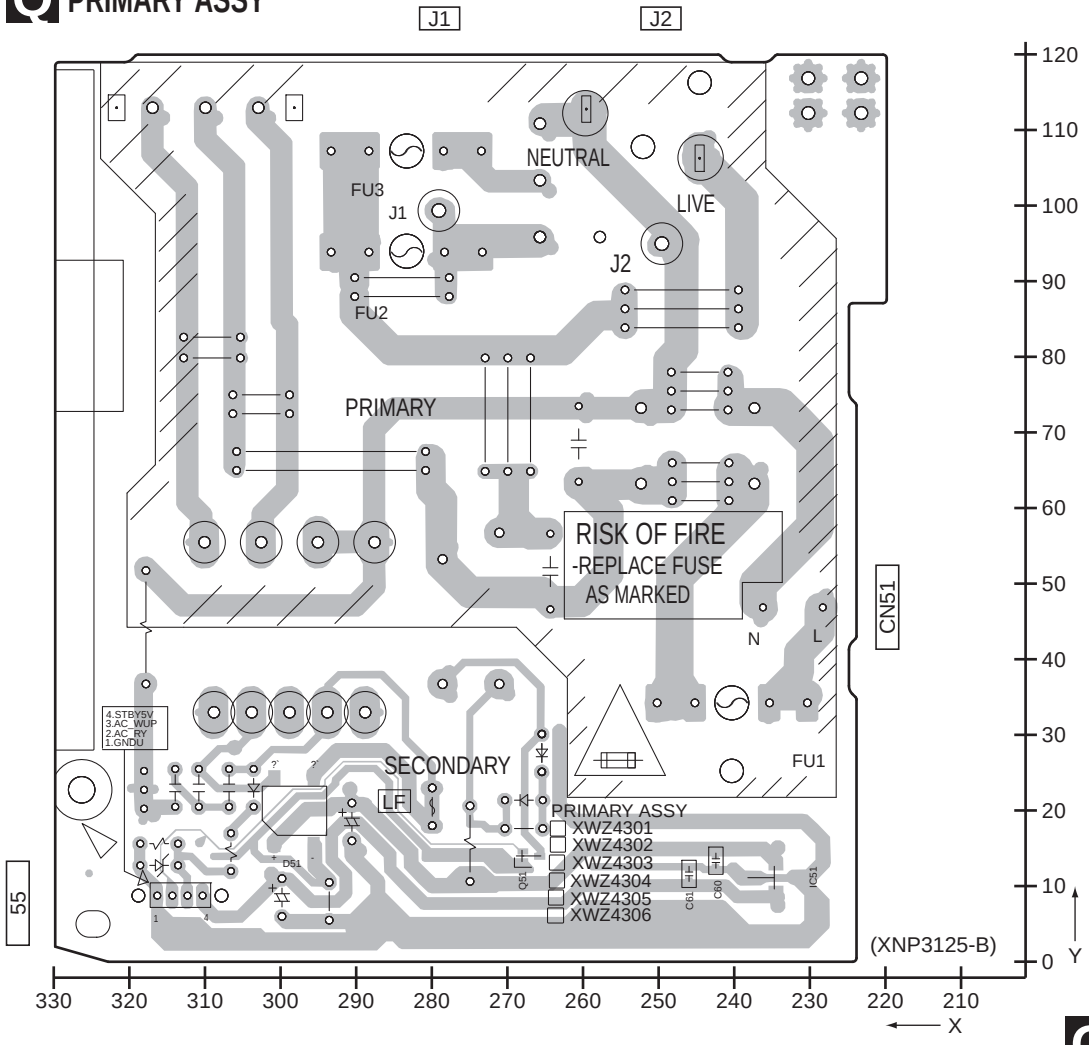
SIDE B

SIDE B

S TRANS1 ASSY



Q PRIMARY ASSY

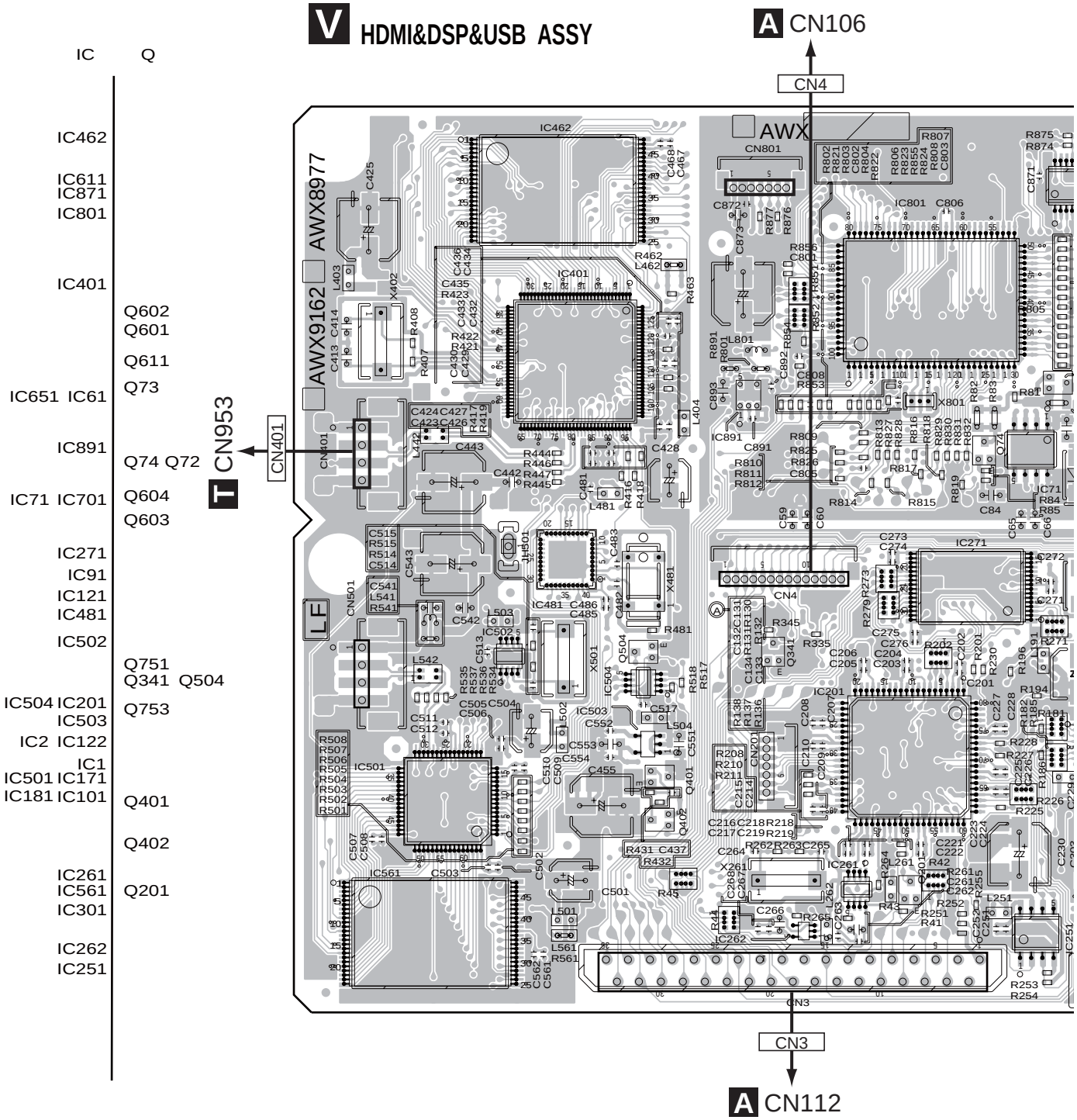


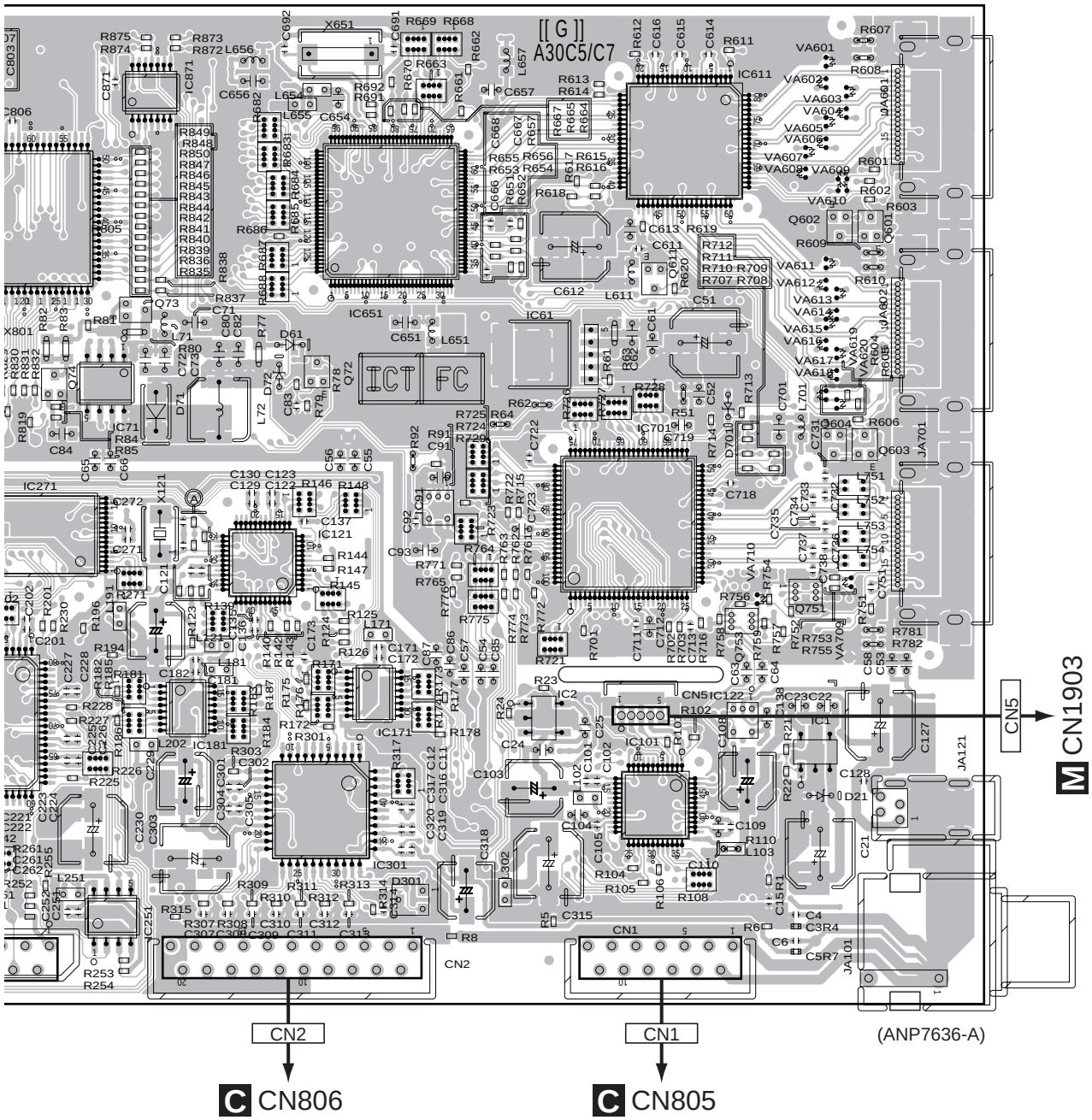
Q S

5 6 7 8

11.14 HDMI & DSP & USB ASSY

SIDE A

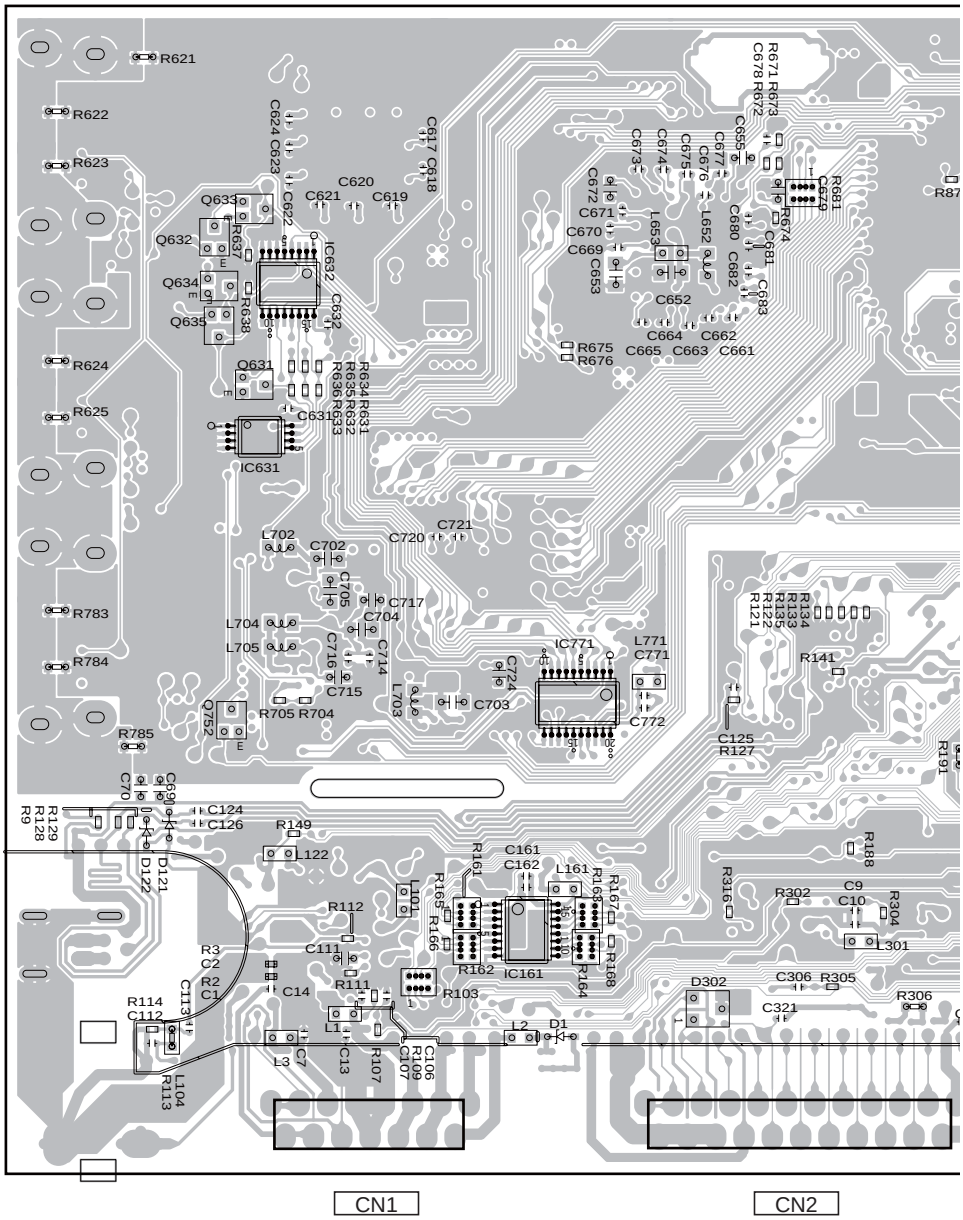



[[G]]
A30C5/C7
CN2
CN1
CN5
CN1903
CN806
CN805
(ANP7636-A)

SIDE B

V HDMI&DSP&USB ASSY

IC	Q
IC461	
IC861	
	Q633
IC632	Q632
	Q634
	Q635
	Q631
IC882 IC881	Q71
IC631	
IC331	
IC471	
IC771	Q471
IC341	Q752
IC202	
IC402	
IC191	
IC351	
IC403	
IC161	



SIDE B

A

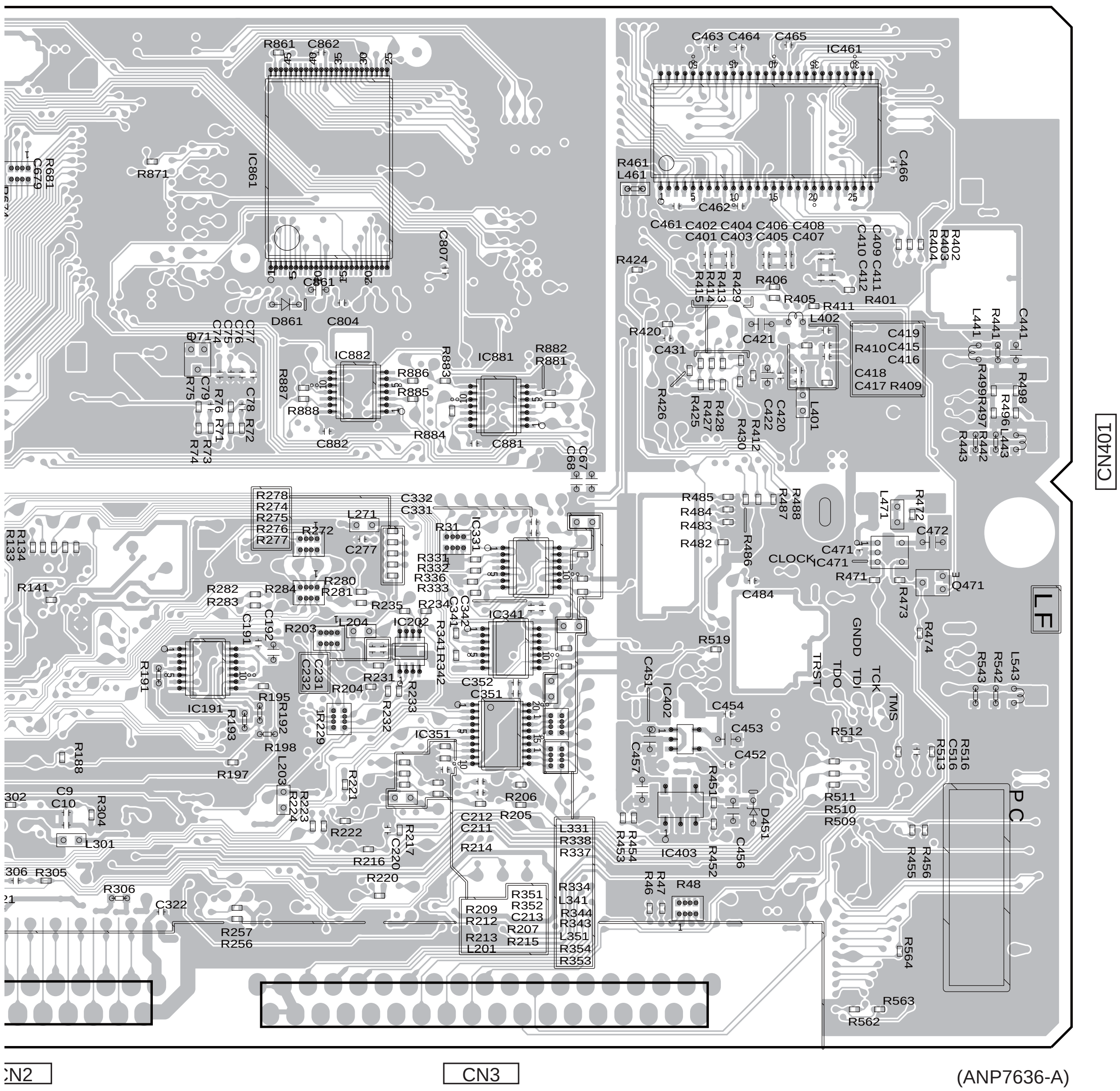
B

C

D

E

F



(ANP7636-A)

12. ELECTRICAL 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.*
- *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 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω	→ *56 x 10^1* →	*561*	*RD1/4PU 5 6 1 J*
47k Ω	→ *47 x 10^3* →	*473*	*RD1/4PU 4 7 3 J*
0.5 Ω	→ *R50*		*RN2H R 5 0 K*
1 Ω	→ *1R0*		*RS1P 1 R 0 K*

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

5.62k Ω	→ *562 x 10^1* →	*5621*	*RN1/4PC 5 6 2 1 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

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
	1	MAIN ASSY (VSX-918V)	XWK3362
	1	MAIN ASSY (VSX-818V)	XWK3358
	1	HDMI & DSP & USB ASSY (VSX-918V)	AWX9162
	1	HDMI ASSY (VSX-818V)	AWX8966
	1	DSP & USB ASSY (VSX-818V)	AWX9163
NSP	1	AMP ASSY	XWK3348
	2	POWER PACK ASSY	XWZ4325
	2	TRANS2 ASSY	XWZ4335
	2	TRANS3 ASSY	XWZ4337
	2	COMPONENT VIDEO ASSY	XWZ4339
	2	5.1CH INPUT ASSY	XWZ4341
	2	SIRIUS ASSY	XWZ4343
	2	BIND ASSY	XWZ4344
NSP	1	COMPLEX ASSY (VSX-918V)	XWK3340
NSP	1	COMPLEX ASSY (VSX-818V)	XWK3335
	2	FRONT DISPLAY ASSY (VSX-918V)	XWZ4285
	2	FRONT DISPLAY ASSY (VSX-818V)	XWZ4284
	2	ROTARY ENCODER ASSY	XWZ4286
	2	POWER KEY ASSY (VSX-918V)	XWZ4288
	2	POWER KEY ASSY (VSX-818V)	XWZ4287
	2	JOG ASSY	XWZ4289
	2	VIDEO ASSY (VSX-918V)	XWZ4294
	2	VIDEO ASSY (VSX-818V)	XWZ4292
	2	DIGITAL INPUT ASSY	XWZ4299
	2	FRONT VIDEO ASSY	XWZ4300
	2	PRIMARY ASSY	XWZ4305
	2	REGULATOR ASSY	XWZ4316
	2	TRANS1 ASSY	XWZ4320
	2	HEAD PHONE ASSY	XWZ4321
	1	FRONT IN ASSY	XWK3366
	1	FM/AM TUNER UNIT	AXX7210

CONTRAST OF PCB ASSEMBLIES

A MAIN ASSY

XWK3362 and XWK3358 are constructed the same except for the following:

Mark	Symbol and Description	XWK3362	XWK3358
	D9067	1SS355	Not used
	CN130 13P FFC Connector	Not used	9604S-13C
	CN104 Connector	Not used	9604S-07C
	CN112 Connector	9604S-35C	9604S-23C
	CN129 Connector	9604S-19C	Not used
	R9024, R9063	RS1/16S103J	Not used
	R9025	RS1/16S152J	RS1/16S562J
	R9026	Not used	RS1/16S103J
	R9027, R9029	RS1/16S221J	Not used
	R9097	Not used	RS1/16S0R0J
	R9098	RS1/16S0R0J	Not used

H FRONT DISPLAY ASSY

XWZ4285 and XWZ4284 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4285	XWZ4284
	Q442	RT1N241M	Not used
	D404, D405	1SS355	Not used
	D502	SLR343BC4T(JKLM)	Not used
	R430	Not used	RS1/16S0R0J
	R551	RS1/16S391J	Not used
	R453	RS1/16S472J	Not used

J POWER KEY ASSY

XWZ4288 and XWZ4287 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4288	XWZ4287
	D501	SLR343BC4T(JKLM)	Not used
	R501	RS1/16S391J	Not used

P VIDEO ASSY

XWZ4294 and XWZ4292 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4294	XWZ4292
	CN304 13P FFC Connector	Not used	9604S-13C
	C1360	CKSRYB103K50	Not used
	L302-L306 Chip Solid Inductor	QTL1013	Not used
	CN303 Connector	9604S-19C	Not used
	JA352 Jack	VKB1243	Not used
	JA351 Mini Jack(4P) /W SW	XKN3015	Not used
	R394	RS1/16S0R0J	Not used

PCB PARTS LIST FOR VSX-918V/KUXJ/CA UNLESS OTHER WISE NOTED

Mark	No.	Description	Part No.
		AMP ASSY	
		MISCELLANEOUS	
⚠	J 2	BOARD IN WIRE	XDX3071
	J 41	JUMPER WIRE	D15A03-100-2651
	J 42	JUMPER WIRE	D15A05-125-2651
	J 44	JUMPER WIRE	D15A03-100-2651
		A MAIN ASSY	
		MISCELLANEOUS	
	IC 103	(A,215,73) DUAL OP-AMP	NJM4565MD
	IC 104	(A,198,56) DUAL OP-AMP	NJM4565MD
	IC 105	(A,217,87) DUAL OP-AMP	NJM4565MD
	IC 108	(B,253,65) 6CH E-VOL IC	BD3474KS2
	IC 251	(A,134,89) DUAL OP-AMP	NJM4565MD
	IC 6001	(A,135,20) IC	TC74VHCT125AFTS1
	IC 9001	(B,82,64) SYSTEM CONTROL MICON	PEG466D8
	IC 9002	(A,104,42) EEPROM	BR24L16FV-W
	IC 9003	(A,90,16) IC	TC74VHCT125AFTS1
	IC 9004	(A,128,49) LOGIC IC	TC4094BFN
	Q 248	(A,53,103) TRANSISTOR	2SC4081
	Q 249	(A,61,107) TRANSISTOR	RT1N241M
	Q 250	(A,60,112) TRANSISTOR	2SC4081
	Q 252	(A,65,105) TRANSISTOR	2SD1858X
	Q 253	(A,53,99) TRANSISTOR	RT1N241M
	Q 254	(B,61,103) DIGITAL TR(SC-70)	RT1P241M
	Q 255	(A,61,99) TRANSISTOR	RT1N241M
	Q 256	(A,61,95) CHIP TRANSISTOR	2SD2704K
	Q 257	(A,76,112) TRANSISTOR	2SA1576A
	Q 361	(A,181,72) TRANSISTOR	2SC5938A
	Q 6001	(A,140,24) TRANSISTOR	RT1N241M
	Q 9001	(A,91,94) DIGITAL TR(SC-70)	RT1N431M
	Q 9002	(A,66,80) DIGITAL TR(SC-70)	RT1P241M
	Q 9003	(A,65,75) DIGITAL TR(SC-70)	RT1P241M
	Q 9004	(A,94,22) TRANSISTOR	RT1N241M
	Q 9007	(A,69,85) TRANSISTOR	DTC143TK
	Q 9064	(A,59,80) DIGITAL TR(SC-70)	RT1P241M
	Q 9065	(A,55,78) TRANSISTOR	UMD2N
	D 103	(B,177,35) DIODE	DAN217U(A)
	D 105	(B,170,35) DIODE	DAN217U(A)
	D 107	(B,174,37) DIODE	DAN217U(A)
	D 251	(A,138,88) DIODE	DAN217U(A)
	D 253	(B,55,108) DIODE	UDZS27(B)(A)
	D 254	(A,72,113) DIODE	UDZS5R1(B)(A)
	D 311	(B,258,96) DIODE	1SS355(A)
	D 312	(B,269,98) DIODE	1SS355(A)
	D 331	(B,254,91) DIODE	UDZS6R8(B)(A)
	D 332	(B,271,91) DIODE	UDZS6R8(B)(A)
	D 6001	(A,146,21) DIODE	1SS355(A)
	D 9006	(B,99,89) DIODE	DAN217U(A)
	D 9007	(B,91,89) DIODE	DAN217U(A)
	D 9010	(A,97,93) DIODE	1SS355(A)

Mark	No.	Description	Part No.
D	9011	(A,60,75) DIODE	DAN202U(A)
D	9064	(A,58,75) DIODE	DAP202U(A)
D	9065	(A,63,80) DIODE	DAP202U(A)
D	9067	(B,45,72) DIODE	1SS355(A)
D	9068	(A,50,81) DIODE	1SS355(A)
L	101	(B,260,98) CHIP SOLID INDUCTOR	QTL1013
L	102	(B,267,97) CHIP SOLID INDUCTOR	QTL1013
L	5002	(A,257,104) CHIP SOLID INDUCTOR	QTL1013
L	9001	(A,124,102) CHIP SOLID INDUCTOR	ATL7002
L	9002	(A,120,103) CHIP SOLID INDUCTOR	ATL7002
L	9003	(A,86,97) RADIAL INDUCTOR	LFCA2R2J
X	9001	(A,96,53) CERAMIC RESONATOR (15.7 MHz)	XSS3004
CN	101	(A,41,27) CONNECTOR	9604S-17C
CN	102	(A,113,61) CONNECTOR	9604S-10C
CN	103	(A,227,17) 11P CONNECTOR	52044-1145
CN	105	(A,266,34) CONNECTOR	9604S-07C
CN	106	(A,102,20) 14P CONNECTOR	VKN1245
CN	107	(A,39,109) CONNECTOR POST	B3B-PH-K-S
CN	109	(A,213,113) 15P SOCKET	XKP3090
CN	110	(A,169,113) 17P SOCKET	XKP3059
CN	111	(A,274,113) 21P SOCKET	XKP3091
CN	112	(A,91,41) CONNECTOR	9604S-35C
CN	122	(A,41,58) CONNECTOR	9604S-09C
CN	129	(A,247,13) CONNECTOR	9604S-19C
CN	132	(A,208,17) CONNECTOR	9604S-09C
CN	141	(A,302,21) 8P PIN JACK	XKB3064
CN	142	(A,302,98) 8P PIN JACK	XKB3067
CN	251	(A,39,92) 3P JUMPER CONNECTOR	52147-0310
CN	252	(A,37,77) 3P TOP POST	B3B-EH
	102	PCB BINDER	VEF1040
	101	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
R	101	(B,282,19)	RS1/16S331J
R	102	(B,293,12)	RS1/16S331J
R	103	(B,283,62)	RS1/16S222J
R	104	(B,283,52)	RS1/16S222J
R	105	(B,283,48)	RS1/16S331J
R	106	(B,293,40)	RS1/16S331J
R	107	(B,283,88)	RS1/16S331J
R	108	(B,293,81)	RS1/16S331J
R	109	(B,283,75)	RS1/16S331J
R	110	(B,293,68)	RS1/16S331J
R	111	(B,283,112)	RS1/16S222J
R	112	(B,283,106)	RS1/16S222J
R	113	(B,283,101)	RS1/16S331J
R	114	(B,293,96)	RS1/16S331J
R	129	(B,283,34)	RS1/16S331J
R	130	(B,283,25)	RS1/16S331J
R	145	(A,70,73)	RS1/16S102J
R	146	(A,71,74)	RS1/16S102J
R	147	(B,231,59)	RS1/16S102J
R	148	(B,233,51)	RS1/16S102J
R	149	(B,263,57)	RS1/16S104J
R	180	(B,278,97)	RS1/16S0R0J
R	181	(B,273,78)	RS1/16S0R0J
R	182	(B,275,75)	RS1/16S0R0J
R	183	(B,276,67)	RS1/16S0R0J
R	201	(A,208,85)	RS1/16S473J
R	202	(A,207,90)	RS1/16S473J
R	205	(B,208,85)	RS1/16S392J
R	206	(B,208,91)	RS1/16S392J
R	207	(B,210,85)	RS1/16S392J
R	208	(B,210,91)	RS1/16S392J
R	209	(B,216,85)	RS1/16S392J
R	210	(B,216,91)	RS1/16S392J
R	211	(B,219,85)	RS1/16S332J
R	212	(B,219,91)	RS1/16S332J
R	241	(A,206,70)	RS1/16S473J
R	242	(A,206,75)	RS1/16S473J
R	245	(B,205,70)	RS1/16S332J
R	246	(B,205,76)	RS1/16S332J
R	247	(B,207,70)	RS1/16S332J
R	248	(B,207,76)	RS1/16S332J
R	249	(B,214,70)	RS1/16S332J
R	250	(B,214,76)	RS1/16S332J
R	251	(B,216,70)	RS1/16S182J
R	252	(B,216,76)	RS1/16S182J
R	261	(A,189,53)	RS1/16S473J
R	262	(A,189,59)	RS1/16S473J
R	264	(B,186,60)	RS1/16S392J
R	265	(B,188,53)	RS1/16S332J
R	266	(B,188,60)	RS1/16S472J
R	267	(B,190,53)	RS1/16S332J
R	268	(B,190,60)	RS1/16S123J
R	269	(B,197,53)	RS1/16S332J
R	270	(B,197,60)	RS1/16S122J
R	271	(B,199,53)	RS1/16S182J
R	272	(B,199,60)	RS1/16S272J
R	274	(B,202,60)	RS1/16S271J
R	280	(B,53,104)	RS1/16S0R0J
R	303	(B,163,37)	RS1/16S101J
R	304	(B,158,49)	RS1/16S101J
R	305	(B,163,49)	RS1/16S101J
R	306	(B,164,61)	RS1/16S101J
R	307	(B,165,68)	RS1/16S101J
R	308	(B,173,73)	RS1/16S101J
R	311	(A,258,102) METAL OXIDE RESISTOR	RS1LMF101J
R	312	(A,266,102) METAL OXIDE RESISTOR	RS1LMF101J
R	430	(A,137,91)	RS1/16S104J
R	431	(A,130,95)	RS1/16S104J
R	432	(A,130,100)	RS1/16S104J
R	433	(A,137,99)	RS1/16S683J
R	434	(A,136,94)	RS1/16S393J
R	435	(A,134,97)	RS1/16S683J
R	436	(A,137,102)	RS1/16S683J
R	437	(A,53,106)	RS1/16S103J
R	438	(A,54,110)	RS1/16S103J
R	439	(A,56,110)	RS1/16S103J
R	440	(A,63,113)	RS1/16S103J
R	441	(A,146,94)	RS1/16S222J
R	442	(A,149,95)	RS1/16S104J
R	443	(B,57,108)	RS1/16S471J
R	444	(A,139,91)	RS1/16S104J
R	445	(A,55,101)	RS1/16S223J
R	447	(A,65,96)	RS1/16S472J
R	448	(A,70,113)	RS1/16S104J
R	449	(A,65,113)	RS1/16S822J

Mark	No.	Description	Part No.
R	452	(A,153,44)	RS1/16S0R0J
R	459	(B,139,38)	RS1/16S103J
R	460	(B,139,43)	RS1/16S103J
R	464	(A,65,100)	RS1/16S0R0J
R	467	(A,146,36)	RS1/16S0R0J
R	471	(A,152,51)	RS1/16S0R0J
R	472	(A,156,63)	RS1/16S0R0J
R	479	(B,142,57)	RS1/16S103J
R	480	(B,142,62)	RS1/16S103J
R	484	(A,173,70)	RS1/16S104J
R	485	(A,170,77)	RS1/16S472J
R	499	(B,146,69)	RS1/16S103J
R	500	(B,140,79)	RS1/16S103J
R	549	(B,159,69)	RS1/16S0R0J
R	550	(A,153,84)	RS1/16S0R0J
R	551	(A,67,113)	RS1/16S822J
R	6001	(A,135,14)	RS1/16S104J
R	6003	(A,132,27)	RS1/16S101J
R	6004	(A,144,20)	RS1/16S101J
R	6005	(A,96,19)	RS1/16S103J
R	6006	(A,143,25)	RS1/16S103J
R	6007	(A,131,30)	RS1/16S101J
R	6009	(A,131,16)	RS1/16S101J
R	6010	(A,144,23)	RS1/16S182J
R	9001	(B,94,54)	RS1/16S0R0J
R	9002	(A,98,94)	RS1/16S473J
R	9003	(B,92,54)	RS1/16S0R0J
R	9006	(B,103,89)	RS1/16S474J
R	9007	(B,93,89)	RS1/16S474J
R	9008	(A,80,109)	RS1/16S221J
R	9009	(A,65,85)	RS1/16S473J
R	9010	(B,107,48)	RS1/16S512J
R	9011	(A,63,76)	RS1/16S102J
R	9012	(A,63,73)	RS1/16S0R0J
R	9013	(B,112,45)	RS1/16S471J
R	9014	(B,104,54)	RS1/16S471J
R	9015	(B,102,54)	RS1/16S471J
R	9016	(B,100,54)	RS1/16S471J
R	9017	(B,98,54)	RS1/16S471J
R	9018	(B,96,54)	RS1/16S471J
R	9019	(B,98,76)	RS1/16S471J
R	9020	(B,99,76)	RS1/16S471J
R	9021	(B,101,76)	RS1/16S471J
R	9022	(B,103,76)	RS1/16S471J
R	9023	(B,112,67)	RS1/16S103J
R	9024	(B,110,67)	RS1/16S103J
R	9025	(B,103,67)	RS1/16S152J
R	9027	(A,57,44)	RS1/16S221J
R	9028	(B,118,45)	RS1/16S104J
R	9029	(A,82,62)	RS1/16S221J
R	9030	(A,68,79)	RS1/16S470J
R	9031	(A,65,54)	RS1/16S104J
R	9032	(A,62,53)	RS1/16S104J
R	9033	(B,89,48)	RS1/16S104J
R	9036	(A,90,89)	RS1/16S221J
R	9037	(B,75,98)	RS1/16S104J
R	9039	(A,87,57)	RS1/16S104J
R	9041	(B,116,45)	RS1/16S104J
R	9042	(B,83,81)	RS1/16S103J
R	9043	(B,81,81)	RS1/16S103J
R	9044	(B,79,81)	RS1/16S103J
R	9045	(A,97,46)	RS1/16S471J
R	9046	(A,107,46)	RS1/16S471J
R	9047	(A,98,46)	RS1/16S103J
R	9048	(A,98,43)	RS1/16S103J
R	9049	(A,114,72)	RS1/16S221J
R	9050	(A,109,68)	RS1/16S221J
R	9051	(A,84,30)	RS1/16S221J
R	9052	(A,107,13)	RS1/16S221J
R	9053	(A,102,29)	RS1/16S221J
R	9054	(A,83,27)	RS1/16S221J
R	9060	(B,98,68)	RS1/16S473J
R	9062	(B,87,48)	RS1/16S471J
R	9063	(B,43,73)	RS1/16S103J
R	9064	(A,54,74)	RS1/16S103J
R	9065	(A,56,74)	RS1/16S103J
R	9066	(A,62,72)	RS1/16S103J
R	9067	(A,59,83)	RS1/16S103J
R	9068	(A,64,71)	RS1/16S0R0J
R	9071	(B,70,50)	RS1/16S221J
R	9072	(B,64,50)	RS1/16S221J
R	9073	(A,74,56)	RS1/16S221J
R	9074	(A,79,52)	RS1/16S221J
R	9080	(A,81,27)	RS1/16S103J
R	9081	(A,119,73)	RS1/16S221J
R	9082	(A,121,71)	RS1/16S274J
R	9083	(A,86,23)	RS1/16S101J
R	9084	(A,104,13)	RS1/16S101J
R	9085	(A,93,13)	RS1/16S101J
R	9087	(A,98,16)	RS1/16S101J
R	9088	(A,85,15)	RS1/16S101J
R	9098	(B,146,18)	RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	115	(B,262,98)	CKSRYB103K50
C	116	(B,264,97)	CKSRYB103K50
C	117	(B,283,116)	CCSRCH220J50
C	118	(B,285,109)	CCSRCH220J50
C	121	(A,280,34)	CEAT100M50
C	122	(A,280,25)	CEAT100M50
C	123	(A,280,19)	CEAT100M50
C	124	(A,280,11)	CEAT100M50
C	125	(A,280,62)	CEAT100M50
C	126	(A,280,53)	CEAT100M50
C	127	(A,280,47)	CEAT100M50
C	128	(A,280,40)	CEAT100M50
C	131	(A,280,87)	CEAT100M50
C	132	(A,280,80)	CEAT100M50
C	133	(A,280,74)	CEAT100M50
C	134	(A,280,67)	CEAT100M50
C	135	(A,280,114)	CEAT100M50
C	136	(A,280,106)	CEAT100M50
C	137	(A,280,101)	CEAT100M50
C	138	(A,280,93)	CEAT100M50
C	139	(A,50,101)	CEAT100M50
C	140	(A,50,94)	CEAT100M50
C	141	(B,236,50)	CKSRYB104K50
C	145	(B,238,54)	CCSRCH101J50
C	146	(B,238,50)	CCSRCH101J50

Mark	No.		Description	Part No.
	C	147	(A,249,68)	CKSRYB103K50
	C	148	(B,229,61)	CKSRYB223K25
	C	149	(B,240,59)	CKSRYB473K25
	C	150	(B,237,59)	CKSQYB154K16
	C	151	(B,234,62)	CKSRYB103K50
	C	152	(B,235,54)	CKSRYB223K25
	C	153	(B,233,56)	CKSRYB473K25
	C	154	(B,230,53)	CKSQYB154K16
	C	155	(A,225,43)	CEAT470M25
	C	165	(A,236,86)	CEAT1R0M50
	C	166	(A,243,86)	CEAT1R0M50
	C	179	(B,294,76)	CKSRYB103K50
	C	180	(A,277,19)	CKSRYB103K50
	C	199	(A,281,50)	CKSRYB103K50
	C	201	(A,202,85)	CEAT2R2M50
	C	202	(A,203,92)	CEAT2R2M50
	C	205	(A,212,85)	CCSRCH331J50
	C	206	(A,212,90)	CCSRCH331J50
	C	207	(B,212,85)	CCSRCH331J50
	C	208	(B,212,91)	CCSRCH331J50
	C	217	(A,221,85)	CKSRYB103K50
	C	218	(A,221,90)	CKSRYB103K50
	C	241	(A,200,71)	CEAT2R2M50
	C	242	(A,200,78)	CEAT2R2M50
	C	245	(A,211,70)	CCSRCH331J50
	C	246	(A,211,75)	CCSRCH331J50
	C	247	(B,209,70)	CCSRCH331J50
	C	248	(B,209,76)	CCSRCH331J50
	C	251	(A,219,68)	CKSRYB103K50
	C	252	(A,219,75)	CKSRYB103K50
	C	253	(A,130,91)	CKSRYB103K50
	C	254	(A,157,96)	CEAT101M25
	C	256	(A,135,84)	CKSRYB103K50
	C	261	(A,183,54)	CEAT2R2M50
	C	262	(A,183,62)	CEAT2R2M50
	C	264	(A,191,59)	CCSRCH331J50
	C	265	(A,194,53)	CCSRCH331J50
	C	266	(A,194,59)	CCSRCH221J50
	C	267	(B,193,53)	CCSRCH331J50
	C	268	(B,193,60)	CCSRCH101J50
	C	271	(A,202,53)	CKSRYB103K50
	C	272	(A,202,58)	CKSRYB103K50
	C	325	(A,143,39) ELECT. CAPACITOR	CEAT220M50
	C	326	(A,143,46) ELECT. CAPACITOR	CEAT220M50
	C	333	(A,251,93)	CEAT101M10
	C	334	(A,268,81)	CEAT101M10
	C	345	(A,145,57) ELECT. CAPACITOR	CEAT220M50
	C	346	(A,145,64) ELECT. CAPACITOR	CEAT220M50
	C	362	(A,185,79)	CEAT100M50
	C	365	(A,142,73) ELECT. CAPACITOR	CEAT220M50
	C	366	(A,142,80) ELECT. CAPACITOR	CEANP4R7M50
	C	392	(B,91,97)	CKSRYB102K50
	C	1031	(A,286,65)	CCSRCH220J50
	C	1041	(B,287,55)	CCSRCH220J50
	C	5001	(B,230,10)	CKSRYB102K50
	C	5002	(B,232,10)	CKSRYB103K50
	C	5003	(B,234,10)	CKSRYB105K10
	C	5025	(A,159,11)	CKSRYB102K50
	C	5026	(A,162,12)	CKSRYB102K50
	C	5027	(A,167,14)	CKSRYB102K50
	C	5028	(A,180,15)	CCSRCH220J50
	C	6001	(A,139,18)	CKSRYB104K16
	C	9004	(B,84,88)	CKSRYB103K50
	C	9005	(A,78,106)	CEJQ2R2M50
	C	9006	(A,95,93)	CKSRYB105K10
	C	9007	(A,79,92) ELECT. CAPACITOR	CEAT331M6R3
	C	9008	(B,77,90)	CKSRYB103K50
	C	9011	(B,95,89)	CKSRYB473K16
	C	9014	(B,87,88)	CKSRYB473K16
	C	9015	(A,94,102)	CKSRYB102K50
	C	9017	(A,129,55)	CKSRYB104K50
	C	9018	(B,72,72)	CKSRYB104K50
	C	9030	(A,272,106)	CEAT101M25
	C	9081	(A,121,69)	CKSRYB103K50
	C	9082	(A,97,16)	CKSRYB104K16

B DSP & USB ASSY (VSX-818V)

SEMICONDUCTORS

Mark	No.	Part No.
⚠	IC 1,2	PQ1LAX95MSPQ
	IC 101	AK4114VQ
	IC 121	BU9450KV
⚠	IC 122,471	AAT4618IGV-0.5-1
	IC 161	TC74VHC157FTS1
	IC 201	DSPC56371AF180
	IC 202	TC7WH125FU
	IC 251	PDC172A8
	IC 261	TC7WHU04FU
	IC 301	AK4626AVQ
	IC 331	TC74VHC08FTS1
	IC 341	TC74VHCT08AFTS1
	IC 351	TC74VHCT541AFTS1
	IC 401	TCC8600-00X-EA-UG
⚠	IC 402	S-1200B18-M5
	IC 461	HY57V641620FTP-6
	IC 462	AYW7236
	IC 481	341S2154
	Q 201	RT1N241M
	Q 401	2SA1577
	Q 402,471	RT1N431M
	D 1,21,121,122	UDZS5R6(B)
	D 301	MA152WA
	D 302	MA152WK

MISCELLANEOUS

		Part No.
L	1-3 CHIP SOLID INDUCTOR	ATL7002
L	101,102 CHIP SOLID INDUCTOR	QTL1013
L	121,161 CHIP SOLID INDUCTOR	QTL1013
L	122,202 CHIP SOLID INDUCTOR	ATL7002
L	201,204 CHIP SOLID INDUCTOR	QTL1013
L	203 CHIP SOLID INDUCTOR	ATL7002
L	251,261 CHIP SOLID INDUCTOR	QTL1013
L	301,302 CHIP SOLID INDUCTOR	QTL1013
L	331,341 CHIP SOLID INDUCTOR	QTL1013
L	351,401 CHIP SOLID INDUCTOR	QTL1013
L	402 INDUCTOR	LCTC100K1608
L	403,404 CHIP SOLID INDUCTOR	QTL1013
L	441 CHIP FERRITE BEADS	VTL1169
L	442 COIL	VTH1043
L	461,462 CHIP SOLID INDUCTOR	QTL1013

Mark	No.	Description	Part No.
L	481	CHIP SOLID INDUCTOR	QTL1013
JA	101	JACK	VKB1159
JA	121	4P SOCKET	AKP7201
X	121	CRYSTAL RESONATOR (145.1584 MHz)	ASS7065
X	261	CRYSTAL RESONATOR (24.576 MHz)	XSS3003
X	402	CRYSTAL OSCILLATOR	CSS1614
X	481	CRYSTAL OSCILLATOR	ASS1172
CN	1	13P SOCKET	XKP3077
CN	2	21P SOCKET	XKP3081
CN	4	14P CONNECTOR	VKN1418
CN	5,6	5P CONNECTOR	VKN1374
CN	7	CONNECTOR	9604S-23C
CN	401	CONNECTOR	AKM1275
JH	501	PCB BINDER	VEF1040

RESISTORS

R	21		RS1/16SS2002F
R	22,24		RS1/16SS1202F
R	23		RS1/16SS1000F
R	31,42,44,45		RAB4CQ104J
R	103,108,139,145		RAB4CQ101J
R	110,198,442,443		RS1/16S0R0J
R	111		RS1/16SS1802F
R	146,161,163,202		RAB4CQ101J
R	148		RAB4CQ223J
R	162,164,226,229		RAB4CQ470J
R	203		RAB4CQ103J
R	284		RAB4CQ0R0J
R	306		RS1/16S4R7J
R	317,353,354		RAB4CQ101J
R	488		RS1/16SS1003F
Other Resistors			RS1/16SS###J

CAPACITORS

C	7,107,321,322		CKSSYB102K50
C	9,113,220,301		CKSSYB103K16
C	10,12,122,162		CKSSYB471K50
C	11,102,105,106		CKSSYB104K10
C	21,127,230,303		CEVW101M16
C	22-25,138		CKSRYB105K10
C	103,108,121,318		CEVW470M6R3
C	104,110,261,414		CCSRCH471J50
C	109,123-126,128		CKSSYB104K10
C	111		CKSRYB474K10
C	131,132		CCSSCH120J50
C	161,202,204,206		CKSSYB104K10
C	203,209,214,216		CKSSYB471K50
C	208,210,215,217		CKSSYB104K10
C	218,221,225		CKSSYB471K50
C	219,222,224,226		CKSSYB104K10
C	228,232,252,262		CKSSYB104K10
C	229		CEVW101M4
C	264,265		CCSSCH8R0D50
C	304,306,316,320		CKSSYB104K10
C	305,484		CCSSCH101J50
C	309-314,317,402		CKSSYB471K50
C	315,425,443,455		CEVW101M16
C	332,342,352,401		CKSSYB104K10
C	403,405,407,409		CKSSYB104K10
C	404,406,408,410		CKSSYB471K50
C	411,415,417,419		CKSSYB104K10
C	412,416,418,424		CKSSYB471K50
C	413		CCSRCH100D50
C	420		CKSSYB122K50
C	421		CKSQYB225K10
C	422		CCSRCH331J50
C	423,426,429,432		CKSSYB104K10
C	427,430,433,435		CKSSYB471K50
C	431		CKSSYB103K16
C	434,454,461,467		CKSSYB104K10
C	436,462-464,466		CKSSYB471K50
C	441,442		CKSRYB104K16
C	451,457		CKSRYB105K16
C	468,486		CKSSYB471K50
C	471		CKSSYB104K16
C	472		CKSQYB105K16
C	481,485		CKSSYB104K10
C	482,483		CCSSCH5R0C50

C POWER PACK ASSY

MISCELLANEOUS

⚠ IC	601	(A,265,14)	2CH POWER IC	PAC014A
⚠ IC	603	(A,137,14)	3CH POWER IC	PAC015A
⚠ IC	610	(A,59,28)	PROTECTOR(1A)	AEK7009
⚠ IC	701	(A,100,80)	IC PROTECTOR	ICP-N10
⚠ IC	702	(A,84,81)	IC PROTECTOR	ICP-N10
⚠ IC	803	(B,238,93)	IC	BA05FP
⚠ IC	804	(A,279,111)	REGULATOR IC	KIA7809API
⚠ IC	805	(B,270,132)	LDO REGULATOR(5V)	NJM2831F05
Q	501	(B,91,38)	TRANSISTOR	2SC5938A
Q	505	(A,116,47)	TRANSISTOR	2SC2240
Q	601	(B,94,44)	TRANSISTOR	2SC5938A
Q	602	(B,224,43)	TRANSISTOR	2SC5938A
Q	605	(A,123,40)	TRANSISTOR	2SC2240
Q	606	(A,252,40)	TRANSISTOR	2SC2240
Q	652	(B,219,37)	TRANSISTOR	2SC5938A
Q	656	(A,244,47)	TRANSISTOR	2SC2240
Q	681	(B,82,48)	TRANSISTOR	2SC5938A
Q	683	(A,59,65)	TRANSISTOR	2SC2240
Q	696	(B,282,24)	TRANSISTOR	2SC4081
Q	697	(B,282,29)	TRANSISTOR	2SC4081
Q	698	(B,246,67)	TRANSISTOR	RT1N241M
⚠ Q	701	(A,110,72)	TRANSISTOR	2SC5511
⚠ Q	702	(A,96,86)	TRANSISTOR	2SA2005
Q	703	(A,155,76)	TRANSISTOR	2SA1145
Q	704	(A,166,79)	TRANSISTOR	2SC2240
Q	721	(A,142,72)	TRANSISTOR	2SA1145
Q	722	(A,161,74)	TRANSISTOR	2SC2240
Q	724	(B,291,72)	TRANSISTOR	RT1N241M
Q	801	(B,271,141)	DIGITAL TR(SC-70)	RT1P241M
Q	802	(B,271,145)	TRANSISTOR	RT1N241M
Q	803	(B,265,141)	DIGITAL TR(SC-70)	RT1P241M
Q	804	(B,268,141)	TRANSISTOR	RT1N241M
Q	805	(B,274,143)	DIGITAL TR(SC-70)	RT1P241M
Q	806	(B,267,146)	TRANSISTOR	RT1N241M
Q	807	(B,276,53)	TRANSISTOR	RT3P22M
Q	808	(B,283,57)	TRANSISTOR	RT3N22M
Q	810	(A,206,104)	TRANSISTOR	2SD1858X
D	601	(A,127,57)	DIODE	1SS133(A)
D	603	(A,121,57)	DIODE	1SS133(A)

Mark	No.	Description	Part No.
D	606	(A,260,57) DIODE	1SS133(A)
D	608	(A,253,52) DIODE	1SS133(A)
D	652	(A,262,57) DIODE	1SS133(A)
D	654	(A,242,52) DIODE	1SS133(A)
D	683	(A,132,57) DIODE	1SS133(A)
D	684	(A,65,72) DIODE	1SS133(A)
D	701	(A,9,88) DIODE	D5SBA20(B)(A)
D	711	(A,195,103) ZENER DIODE	MTZJ22D(A)
D	712	(A,191,103) DIODE	MTZJ6R8(B)(A)
D	713	(A,114,77) DIODE	1SS133(A)
D	741	(B,152,136) DIODE	1SS355(A)
D	742	(B,167,140) DIODE	1SS355(A)
D	743	(B,121,129) DIODE	1SS355(A)
D	744	(B,138,139) DIODE	1SS355(A)
D	745	(B,115,129) DIODE	1SS355(A)
D	752	(B,170,135) DIODE	1SS355(A)
D	754	(B,141,132) DIODE	1SS355(A)
D	758	(B,73,136) DIODE	1SS355(A)
D	777	(A,130,57) DIODE	1SS133(A)
D	778	(A,110,57) DIODE	1SS133(A)
D	801	(B,222,113) BRIDGE DIODE	S1WB(A)60SD(A)
D	806	(A,283,65) DIODE	MTZJ6R2(B)(A)
D	807	(A,280,70) DIODE	1SS133(A)
D	827	(A,262,132) DIODE	MTZJ6R2(B)(A)
D	828	(A,227,99) DIODE	MTZJ6R2(B)(A)
D	829	(A,239,128) DIODE	D3SBA20(B)(A)
D	900	(A,213,94) DIODE	MTZJ7R5(B)(A)
L	751	(A,160,108) COIL	ATH1004
L	752	(A,173,108) COIL	ATH1004
L	753	(A,120,107) COIL	ATH1004
L	761	(A,130,108) COIL	ATH1004
L	762	(A,142,108) COIL	ATH1004
J	43	11P PARALLEL WIRE	XDX3066
KN	601	(A,65,23) WRAPPING TERMINAL	VNF1084
RY	501	(A,75,132) RELAY	ASR7001
RY	751	(A,173,130) RELAY	ASR7001
RY	752	(A,141,126) RELAY	ASR7001
RY	753	(A,117,120) RELAY	ASR7001
CN	701	(A,212,134) 11PJUMPER CONNECTOR	52147-1110
CN	702	(A,200,106) 6P JUMPER CONNECTOR	52147-0610
CN	704	(A,290,45) 17P PLUG	XKM3007
CN	751	SP TERMINAL 4-P(V0)	XKE3041
CN	752	SP TERMINAL 6-P(V0)	XKE3040
CN	753	(A,70,179) SP TERMINAL 4-P(V0)	XKE3050
CN	803	(A,224,129) 6P PLUG	KM200TA6
CN	805	(A,317,153) 13P PLUG	XKP3066
CN	806	(A,317,120) 21P PLUG	XKP3070
CN	815	(A,290,89) 15P PLUG	XKM3010
CN	816	(A,290,126) 21P PLUG	XKM3011
	810	(A,277,90) 11P CABLE HOLDER	51048-1100

RESISTORS

Mark	No.	Description	Part No.
R	601	(A,99,48)	RD1/4PU102J
R	602	(A,228,42)	RD1/4PU102J
R	603	(B,96,47)	RS1/16S103J
R	604	(B,225,47)	RS1/16S103J
R	609	(A,96,35)	RD1/4PU563J
R	610	(A,225,35)	RD1/4PU563J
R	611	(A,95,28)	RD1/4PU182J
R	612	(A,223,28)	RD1/4PU182J
R	613	(A,119,21)	RD1/4PU563J
R	614	(A,247,21)	RD1/4PU563J
R	615	(A,128,36)	RD1/4PU331J
⚠ R	617	(A,119,31) RESISTOR (0.22, 5W)	ACN7094
R	619	(A,124,52)	RD1/4PU182J
R	620	(A,257,36)	RD1/4PU331J
R	621	(A,129,49)	RD1/4PU821J
⚠ R	622	(A,248,31) RESISTOR (0.22, 5W)	ACN7094
R	623	(A,121,48)	RD1/4PU223J
R	624	(A,257,52)	RD1/4PU182J
R	626	(A,258,49)	RD1/4PU821J
R	628	(A,250,48)	RD1/4PU223J
R	652	(A,215,36)	RD1/4PU102J
R	654	(B,219,41)	RS1/16S103J
R	660	(A,220,29)	RD1/4PU563J
R	662	(A,216,20)	RD1/4PU182J
R	664	(A,238,21)	RD1/4PU563J
R	666	(A,240,35)	RD1/4PU331J
⚠ R	668	(A,239,31) RESISTOR (0.22, 5W)	ACN7094
R	670	(A,245,52)	RD1/4PU182J
R	672	(A,240,57)	RD1/4PU821J
R	674	(A,236,38)	RD1/4PU223J
R	681	(A,73,51)	RD1/4PU102J
R	682	(B,77,49)	RS1/16S103J
R	685	(B,80,37)	RS1/16S563J
R	686	(B,85,21)	RS1/16S182J
R	687	(A,88,11)	RD1/4PU563J
R	690	(A,60,52)	RD1/4PU331J
⚠ R	691	(A,55,55) RESISTOR (0.22, 5W)	ACN7094
R	692	(A,70,72)	RD1/4PU182J
R	693	(A,67,77)	RD1/4PU821J
R	694	(A,62,72)	RD1/4PU223J
R	696	(B,281,38)	RS1/16S103J
R	697	(B,255,68)	RS1/16S103J
R	698	(B,243,67)	RS1/16S333J
R	701	(A,122,85)	RD1/4PU472J
R	702	(A,109,87)	RD1/4PU472J
R	703	(A,151,72)	RD1/4PU392J
R	704	(A,148,77)	RD1/4PU392J
R	705	(A,281,82)	RD1/4PU473J
R	706	(A,277,83)	RD1/4PU473J
R	707	(A,133,80)	RD1/4PU184J
R	708	(A,147,81)	RD1/4PU184J
⚠ R	709	(A,104,72) METAL OXIDE RESISTOR	RS1LMF272J
⚠ R	710	(A,89,93) METAL OXIDE RESISTOR	RS1LMF272J
⚠ R	711	(A,181,86) METAL OXIDE RESISTOR	RS2LMF242J
R	713	(A,114,85)	RD1/4PU102J
R	721	(A,145,77)	RD1/4PU103J
R	722	(A,125,78)	RD1/4PU103J
R	723	(A,271,78)	RD1/4PU473J
R	724	(A,274,83)	RD1/4PU473J
R	725	(A,276,74)	RD1/4PU103J
R	726	(B,286,62)	RS1/16S473J
R	727	(B,283,62)	RS1/16S103J
R	728	(B,106,9)	RS1/16S683J
R	730	(B,214,14)	RS1/16S683J
R	731	(A,122,73)	RD1/4PU220J
R	732	(A,101,89)	RD1/4PU220J
R	740	(B,87,141)	RS1/16S683J

Mark	No.		Description	Part No.
	R	741	(B,152,140)	RS1/16S472J
	R	742	(B,169,143)	RS1/16S472J
	R	743	(B,121,134)	RS1/16S472J
	R	744	(B,137,143)	RS1/16S472J
	R	745	(B,110,131)	RS1/16S472J
⚠	R	751	(A,158,119) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	752	(A,185,120) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	753	(A,156,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	754	(A,181,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	755	(A,103,117) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	756	(A,101,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	761	(A,125,117) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	762	(A,155,119) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	763	(A,124,132) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	764	(A,149,139) METAL OXIDE RESISTOR	RS1LMF4R7J
	R	777	(A,86,37)	RD1/4PU102J
	R	778	(B,90,42)	RS1/16S103J
	R	781	(A,92,30)	RD1/4PU563J
	R	782	(A,89,22)	RD1/4PU182J
	R	783	(A,109,21)	RD1/4PU563J
	R	784	(A,116,35)	RD1/4PU331J
⚠	R	785	(A,110,31) RESISTOR (0.22, 5W)	ACN7094
	R	786	(A,113,57)	RD1/4PU182J
	R	787	(A,106,59)	RD1/4PU821J
	R	788	(A,107,38)	RD1/4PU223J
	R	806	(B,280,48)	RS1/16S103J
	R	807	(B,278,48)	RS1/16S103J
	R	808	(B,279,53)	RS1/16S102J
	R	813	(B,273,131)	RS1/16S102J
	R	900	(B,213,97)	RS1/16S102J
	R	901	(B,210,98)	RS1/16S100J
	R	1101	(B,273,68)	RS1/16S0R0J
	R	1102	(B,274,61)	RS1/16S0R0J
	R	1103	(B,70,136)	RS1/16S0R0J
	R	1104	(B,138,132)	RS1/16S0R0J
	R	1105	(B,168,135)	RS1/16S0R0J
	R	1109	(B,285,58)	RS1/16S0R0J

CAPACITORS

	C	603	(B,99,39)	CKSRYB331K50
	C	604	(B,227,38)	CKSRYB331K50
	C	605	(A,101,38)	CEAT4R7M50
	C	606	(A,230,38)	CEAT4R7M50
	C	607	(B,100,20)	CCSRCH470J50
	C	608	(B,230,17)	CCSRCH470J50
	C	609	(A,96,32)	CEAT101M16
	C	610	(A,225,32)	CEAT101M16
	C	613	(B,121,27)	CCSRCJ3R0C50
	C	614	(B,250,28)	CCSRCJ3R0C50
	C	615	(A,121,45)	CEANP2R2M50
	C	616	(A,250,45)	CEANP2R2M50
	C	654	(B,217,33)	CKSRYB331K50
	C	656	(A,215,33)	CEAT4R7M50
	C	658	(B,221,17)	CCSRCH470J50
	C	660	(A,219,25)	CEAT101M16
	C	664	(B,241,24)	CCSRCJ3R0C50
	C	666	(A,239,49)	CEANP2R2M50
	C	682	(B,80,43)	CKSRYB331K50
	C	683	(A,83,43)	CEAT4R7M50
	C	684	(B,87,18)	CCSRCH470J50
	C	685	(A,83,37)	CEAT101M16
	C	687	(B,87,8)	CCSRCJ3R0C50
	C	688	(A,75,78)	CEANP2R2M50
	C	696	(B,281,36)	CKSRYB102K50
	C	697	(A,286,29)	CEAT221M6R3
	C	701	(A,49,80) E-CAP 5600/71	XCH3027
	C	702	(A,49,107) E-CAP 5600/71	XCH3027
	C	705	(A,156,81) ELECT. CAPACITOR	CEAT100M2A
	C	706	(A,142,84) ELECT. CAPACITOR	CEAT100M2A
	C	711	(A,195,99) ELECT. CAPACITOR	CEAT101M35
	C	712	(A,188,105)	CEAT101M10
	C	740	(A,90,136)	CEAT101M25
	C	751	(A,159,143) FILM CAPACITOR	CQMBA104J50
	C	752	(A,181,150) FILM CAPACITOR	CQMBA104J50
	C	755	(A,103,147) FILM CAPACITOR	CQMBA104J50
	C	761	(A,122,139) FILM CAPACITOR	CQMBA104J50
	C	762	(A,152,145) FILM CAPACITOR	CQMBA104J50
	C	778	(B,89,34)	CKSRYB331K50
	C	779	(A,86,33)	CEAT4R7M50
	C	780	(B,93,18)	CCSRCH470J50
	C	781	(A,92,27)	CEAT101M16
	C	783	(B,112,24)	CCSRCJ3R0C50
	C	784	(A,110,48)	CEANP2R2M50
	C	801	(A,248,114) ELECT. CAPACITOR	CEAT222M25
	C	802	(A,249,100) ELECT. CAPACITOR	CEAT222M25
	C	806	(B,281,53)	CKSRYB105K16
	C	807	(B,233,89)	CKSRYB103K25
	C	808	(A,245,142) ELECT. CAPACITOR	CEAT472M16
	C	809	(A,232,95)	CEAT101M10
	C	810	(A,266,133)	CEAT101M10
	C	811	(B,276,128)	CKSRYB103K25
	C	812	(B,272,111)	CKSRYB103K25
	C	813	(A,272,118)	CEAT101M16
	C	850	(A,210,92)	CEAT101M10
	C	860	(A,282,159)	CEAT101M25
	C	870	(B,249,134)	CKSRYB104K50
	C	901	(B,216,92)	CKSRYB104K16

D TRANS2 ASSY

MISCELLANEOUS

⚠	IC	853	(A,32,204) PROTECTOR(7A)	AEK7021
	J	21	JUMPER WIRE 11P	D20PYY1130E
	CN	1201	(A,35,183) 4P JUMPER CONNECTOR	52147-0410
		851	(A,49,207) 11P CABLE HOLDER	51048-1100

E COMPONENT VIDEO ASSY

MISCELLANEOUS

	IC	551	(B,240,208) LOGIC IC	TC74HC4052AF
	IC	552	(B,260,214) LOGIC IC	TC74HC4052AF
	IC	553	(B,213,206) VIDEO IC	NJM2581M
	JA	551	(A,253,178) 6P RCA PINJACK	XKB3025
	JA	552	(A,211,178) 6P RCA PINJACK	XKB3025
	CN	551	(A,196,213) CONNECTOR	9604S-07C
		390	(A,235,239) PCB BINDER	VEF1040

RESISTORS

	R	553	(B,242,194)	RS1/16S750J
	R	554	(B,256,193)	RS1/16S750J

Mark	No.	Description	Part No.
R	555	(B,270,193)	RS1/16S750J
R	556	(B,237,194)	RS1/16S750J
R	557	(B,251,196)	RS1/16S750J
R	558	(B,266,186)	RS1/16S750J
R	559	(B,199,196)	RS1/16S750J
R	560	(B,220,195)	RS1/16S750J
R	561	(B,228,193)	RS1/16S750J
R	562	(B,193,195)	RS1/16S750J
R	563	(B,217,199)	RS1/16S750J
R	564	(B,218,195)	RS1/16S750J
R	566	(B,243,218)	RS1/16S102J
R	567	(B,248,202)	RS1/16S102J
R	568	(B,248,204)	RS1/16S102J
R	569	(B,250,218)	RS1/16S102J
R	571	(B,254,228)	RS1/16S102J
R	572	(B,254,226)	RS1/16S102J
R	573	(B,229,202)	RS1/16S0R0J
R	574	(B,264,202)	RS1/16S0R0J
R	581	(B,247,209)	RS1/16S222J
R	582	(A,245,221)	RD1/4PU222J

CAPACITORS

C	567	(B,262,186)	CKSRYB103K50
C	568	(B,204,186)	CKSRYB103K50
C	569	(B,246,216)	CKSRYB473K50
C	570	(B,233,208)	CKSRYB473K50
C	571	(B,254,213)	CKSRYB473K50
C	572	(B,267,214)	CKSRYB473K50
C	577	(B,213,214)	CKSRYB103K50
C	579	(A,205,205)	CEAT101M10
C	580	(A,199,205)	CEAT101M10
C	582	(B,212,199)	CKSRYB103K50

F 5.1CH INPUT ASSY

MISCELLANEOUS

CN	307	(A,125,216) 7P CONNECTOR	52044-0745
CN	309	(A,167,225) PIN JACK(4P)	XKB3035

RESISTORS

R	1001	(B,147,233)	RS1/16S474J
R	1002	(B,150,226)	RS1/16S474J
R	1003	(B,149,236)	RS1/16S331J
R	1004	(B,150,228)	RS1/16S331J
R	1009	(B,150,224)	RS1/16S474J
R	1010	(B,151,212)	RS1/16S474J
R	1011	(B,150,222)	RS1/16S331J
R	1012	(B,150,214)	RS1/16S331J

CAPACITORS

C	1001	(B,151,233)	CCSRCH101J50
C	1002	(B,151,230)	CCSRCH101J50
C	1003	(B,143,233)	CKSRYB221K50
C	1004	(B,147,230)	CKSRYB221K50
C	1009	(A,146,236)	CEAT4R7M50
C	1010	(A,146,228)	CEAT4R7M50
C	1012	(B,159,226)	CKSRYB103K50
C	1013	(B,151,219)	CCSRCH101J50
C	1014	(B,151,216)	CCSRCH101J50
C	1015	(B,147,224)	CKSRYB221K50
C	1016	(B,147,216)	CKSRYB221K50
C	1021	(A,146,214)	CEAT4R7M50
C	1022	(A,146,221)	CEAT4R7M50

G TRANS3 ASSY

MISCELLANEOUS

⚠ IC	357	(A,100,225)	PROTECTOR(800MA)	AEK7008
D	363	(A,86,238)	DIODE	1SR139-400(A)
J	22		3P PARALLEL WIRE	XDX3064
	891	(A,106,233)	3P CABLE HOLDER	51048-0300

RESISTORS

R	881	(A,54,235)	RD1/4PU4R7J

CAPACITORS

C	406	(A,96,232)	ELECT. CAPACITOR	CEAT471M35
C	881	(A,13,234)	FILM CAPACITOR	CFTLA104J2A
C	882	(A,23,239)	FILM CAPACITOR	CFTLA104J2A

H FRONT DISPLAY ASSY

MISCELLANEOUS

IC	401	(B,121,181)	DISPLAY U-COM	PE5550A
Q	441	(B,230,161)	TRANSISTOR	RT1N241M
Q	442	(B,238,190)	TRANSISTOR	RT1N241M
Q	484	(B,215,190)	TRANSISTOR	2SA1576A
D	403	(B,226,189)	DIODE	1SS355(A)
D	404	(B,235,168)	DIODE	1SS355(A)
D	405	(B,230,156)	DIODE	1SS355(A)
D	500	(A,216,182)	LED(ORANGE)	SLI-343DCW(STU)(A)
D	502	(A,128,161)	LED(BLUE)	SLR343BC4T(JKLM)(A)
L	401	(A,242,159)	RADIAL INDUCTOR	LFCA2R2J
V	401	(A,189,200)	FL TUBE	XAV3037
S	447	(A,94,113)	SWITCH	VSG1024
S	448	(A,76,113)	SWITCH	VSG1024
S	449	(A,58,113)	SWITCH	VSG1024
S	450	(A,58,92)	SWITCH	VSG1024
S	451	(A,76,92)	SWITCH	VSG1024
S	452	(A,94,92)	SWITCH	VSG1024
S	454	(A,89,136)	SWITCH	VSG1024
S	455	(A,65,136)	SWITCH	VSG1024
S	456	(A,40,136)	SWITCH	VSG1024
S	457	(A,16,136)	SWITCH	VSG1024
S	458	(A,40,113)	SWITCH	VSG1024
S	459	(A,114,136)	SWITCH	VSG1024
S	460	(A,138,136)	SWITCH	VSG1024
S	461	(A,163,136)	SWITCH	VSG1024
S	462	(A,187,136)	SWITCH	VSG1024
S	463	(A,212,136)	SWITCH	VSG1024
S	464	(A,236,136)	SWITCH	VSG1024
S	471	(A,40,92)	SWITCH	VSG1024
X	401	(A,149,165)	CERAMIC RESONATOR (5.00 MHz)	VSS1142
CN	401	(A,246,165)	17P CONNECTOR	52044-1745
	404	(A,197,127)	CABLE HOLDER(5P)	51063-0505
	470	(A,37,174)	CABLE HOLDER(3P)	51063-0305
	471	(A,34,191)	CABLE HOLDER(3P)	51063-0305
	402	(A,223,169)	REMOTE RECEIVER UNIT	GP1UE274XKC1
	515		FL HOLDER(FE)	VNF1096

RESISTORS

Mark	No.		Description	Part No.
R	401	(B,144,169)		RS1/16S105J
R	402	(B,223,191)		RS1/16S104J
R	403	(B,220,191)		RS1/16S104J
R	404	(B,222,176)		RS1/16S472J
R	405	(B,228,155)		RS1/16S102J
R	406	(B,226,155)		RS1/16S103J
R	407	(B,78,176)		RS1/16S473J
R	408	(B,80,176)		RS1/16S473J
R	409	(B,75,176)		RS1/16S473J
R	410	(B,73,176)		RS1/16S473J
R	411	(B,229,189)		RS1/16S473J
R	412	(B,235,187)		RS1/16S221J
R	413	(B,235,184)		RS1/16S221J
R	414	(B,235,182)		RS1/16S221J
R	415	(B,235,180)		RS1/16S221J
R	416	(B,235,178)		RS1/16S221J
R	417	(B,223,182)		RS1/16S101J
R	419	(B,205,148)		RS1/16S101J
R	420	(B,207,148)		RS1/16S101J
R	421	(B,209,148)		RS1/16S101J
R	422	(B,157,169)		RS1/16S104J
R	423	(B,131,167)		RS1/16S104J
R	424	(B,83,176)		RS1/16S104J
R	425	(B,206,185)		RS1/16S104J
R	448	(B,87,114)		RS1/16S681J
R	449	(B,69,114)		RS1/16S821J
R	450	(B,58,102)		RS1/16S122J
R	451	(B,69,93)		RS1/16S162J
R	452	(B,88,97)		RS1/16S272J
R	453	(B,144,142)		RS1/16S472J
R	454	(A,101,135)		RD1/4PU681J
R	455	(A,75,136)		RD1/4PU821J
R	456	(A,50,136)		RD1/4PU122J
R	457	(A,26,136)		RD1/4PU162J
R	458	(B,34,114)		RS1/16S272J
R	459	(A,108,134)		RD1/4PU472J
R	460	(A,133,138)		RD1/4PU681J
R	461	(A,152,136)		RD1/4PU821J
R	462	(A,183,141)		RD1/4PU122J
R	463	(A,200,141)		RD1/4PU162J
R	464	(A,233,139)		RD1/4PU272J
R	465	(A,166,152)		RD1/4PU472J
R	471	(B,40,102)		RS1/16S512J
R	472	(A,90,142)		RD1/4PU472J
R	550	(B,192,185)		RS1/16S181J
R	551	(B,125,156)		RS1/16S391J

CAPACITORS

C	401	(B,247,155)		CKSRYB103K50
C	402	(B,247,153)		CKSRYB103K50
C	403	(A,232,168)		CEAT221M6R3
C	410	(B,60,193)		CKSRYB103K50
C	411	(B,62,193)		CKSRYB103K50
C	412	(A,49,178)		CEAT470M50
C	418	(B,141,179)		CKSRYB104K16
C	419	(B,103,183)		CKSRYB103K50
C	420	(A,44,184)	ELECT. CAPACITOR	CEAT101M35
C	421	(B,160,169)		CKSRYB104K16
C	441	(B,225,176)		CKSRYB103K50
C	442	(A,239,146)		CEAL470M10
C	451	(B,125,166)		CKSRYB102K50
C	452	(B,103,164)		CKSRYB102K50
C	453	(B,122,166)		CKSRYB102K50
C	454	(B,100,164)		CKSRYB102K50
C	481	(B,140,191)		CCSRCH471J50
C	482	(B,126,201)		CCSRCH221J50
C	483	(B,126,199)		CCSRCH221J50
C	487	(B,84,160)		CKSRYB102K50
C	488	(B,81,160)		CKSRYB102K50
C	489	(B,74,163)		CKSRYB102K50
C	490	(A,71,163)		CKSRYB102K50

I ROTARY ENCODER ASSY

MISCELLANEOUS

S	502	(A,263,225)	SWITCH	VSG1024
S	503	(A,282,225)	SWITCH	VSG1024
S	504	(A,300,225)	SWITCH	VSG1024
S	505	(A,300,212)	SWITCH	VSG1024
S	506	(A,282,212)	SWITCH	VSG1024
S	507	(A,263,212)	SWITCH	VSG1024
S	513	(A,285,154)	ROTARY ENCODER	XSX3005
	511	(A,257,183)	CABLE HOLDER(5P)	51063-0505

RESISTORS

R	503	(B,275,224)		RS1/16S681J
R	504	(B,294,224)		RS1/16S821J
R	505	(B,301,219)		RS1/16S122J
R	506	(B,294,213)		RS1/16S162J
R	507	(B,275,213)		RS1/16S272J

J POWER KEY ASSY

MISCELLANEOUS

D	501	(A,37,229)	LED(BLUE)	SLR343BC4T(JKLM)(A)
S	501	(A,29,226)	SWITCH	VSG1024
	501	(A,40,210)	CABLE HOLDER(3P)	51063-0305

RESISTORS

R	501	(B,37,234)		RS1/16S391J

K JOG ASSY

MISCELLANEOUS

S	512	(A,96,226)	ROTARY ENCODER	XSX3009
	512	(A,66,236)	CABLE HOLDER(3P)	51063-0305

M DIGITAL INPUT ASSY

MISCELLANEOUS

F	1901	(B,214,228)	INDUCTOR	CTF1295
JA	1900	(A,206,201)	OPT. LINK IN	GP1FAV51RKBF
JA	1901	(A,220,201)	OPT. LINK IN	GP1FAV51RKBF
KN	1902	(A,249,206)	SCREW PLATE	VNE1948
CN	1903	(A,236,221)	CONNECTOR	VKN1181

RESISTORS

R	1900	(B,211,215)		RS1/16S101J
R	1901	(B,222,215)		RS1/16S101J

CAPACITORS

C	1900	(B,205,215)		CKSRYB104K25

Mark	No.	Description	Part No.
	C 1901	(B,217,215)	CKSRYB104K25
	C 1903	(B,211,230)	CKSRYB103K50
	C 1904	(A,208,228)	CEAL101M10
	C 1905	(B,228,233)	CKSRYB104K25
	C 1906	(B,230,233)	CKSRYB103K50
	C 1907	(B,232,233)	CCSRCH101J50
	C 1908	(B,236,233)	CKSRYB102K50

N REGULATOR ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	IC 801	(A,147,89) REGULATOR IC	KIA7812API
⚠	IC 802	(A,164,89) REGULATOR IC	KIA7912PI
⚠	IC 808	(A,181,89) REGULATOR IC	BA50BC0T
⚠	IC 809	(A,213,89) REGULATOR IC	NJM2389F
	D 810	(A,172,94) DIODE	MTZJ6R2(B)(A)
	D 814	(A,194,103) DIODE	MTZJ6R2(B)(A)
	CN 800	(A,194,113) 11PJUMPER CONNECTOR	52147-1110

RESISTORS

	R 801	(A,136,95) METAL OXIDE RESISTOR	RS3LMF331J
	R 809	(B,205,98)	RS1/16S102J
	R 810	(B,212,94)	RS1/16S302J
	R 820	(B,210,94)	RS1/16S151J

CAPACITORS

	C 803	(B,147,97)	CKSRYB103K25
	C 804	(B,166,97)	CKSRYB103K25
	C 805	(A,147,105)	CEJQ101M16
	C 806	(A,159,99)	CEAT101M16
	C 809	(A,217,104) ELECT. CAPACITOR	CEATR33M50
	C 810	(A,214,98)	CEAT221M10
	C 818	(B,182,95)	CKSRYB103K25
	C 819	(A,176,95)	CEAT221M10

O HEAD PHONE ASSY

MISCELLANEOUS

	Q 1551	(B,208,48) TRANSISTOR	2SC5938A
	Q 1552	(B,203,39) TRANSISTOR	2SC5938A
	J 47	6P PARALLEL WIRE	XDX3065
	JA 1551	(A,163,30) HEADPHONE JACK	XKB3066
	KN 1551	(A,193,23) WRAPPING TERMINAL	VNF1084
	1551	(A,220,28) 6P CABLE HOLDER	51048-0600

RESISTORS

⚠	R 1551	(A,218,56) METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 1552	(A,207,42) METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 1553	(A,202,45) METAL OXIDE RESISTOR	RS1LMF151J
⚠	R 1554	(A,194,45) METAL OXIDE RESISTOR	RS1LMF151J
	R 1555	(B,208,32)	RS1/16S472J
	R 1556	(B,210,43)	RS1/16S472J
	R 1557	(B,212,30)	RS1/16S102J

CAPACITORS

	C 1551	(B,194,40)	CKSRYB223K50
	C 1552	(B,205,49)	CKSRYB223K50
	C 1553	(B,169,39)	CKSRYB103K50
	C 1554	(B,169,37)	CCSRCH471J50
	C 1555	(B,169,34)	CKSRYB104K16
	C 1556	(B,167,24)	CKSRYB103K50
	C 1557	(B,170,24)	CCSRCH471J50
	C 1558	(B,172,24)	CKSRYB104K16
	C 1561	(A,196,64) ELECT. CAPACITOR	CEANP470M50
	C 1562	(A,215,44) ELECT. CAPACITOR	CEANP470M50

P VIDEO ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 301	(B,46,32) VIDEO SW IC	NJM2595M
	IC 303	(B,37,73) VIDEO SW IC	NJM2243M
	IC 851	(B,100,70) CHARACTER GENERATOR	PDC162A
⚠	Q 301	(A,86,47) TRANSISTOR	2SD1858X
⚠	Q 302	(A,66,52) TRANSISTOR	2SB1237X
	Q 303	(B,24,81) TRANSISTOR	2SC5938A
	Q 852	(B,72,83) TRANSISTOR	2SC4081
	D 301	(B,44,40) DIODE	1SS355(A)
	D 302	(B,41,44) DIODE	1SS355(A)
	D 303	(B,81,61) DIODE	UDZS6R2(B)(A)
	D 304	(B,73,59) DIODE	UDZS6R2(B)(A)
	D 307	(B,99,26) DIODE	UDZS5R1(B)(A)
	D 308	(B,60,23) DIODE	DAN202U(A)
	D 359	(B,93,53) DIODE	1SS355(A)
	D 360	(B,96,48) DIODE	1SS355(A)
	D 651	(B,76,75) DIODE	DAP202K(A)
	L 302	(B,34,9) CHIP SOLID INDUCTOR	QTL1013
	L 303	(B,26,13) CHIP SOLID INDUCTOR	QTL1013
	L 304	(B,26,15) CHIP SOLID INDUCTOR	QTL1013
	L 305	(B,21,23) CHIP SOLID INDUCTOR	QTL1013
	L 306	(B,72,10) CHIP SOLID INDUCTOR	QTL1013
	L 853	(B,101,61) CHIP COIL	LCYA330J2520
	JA 305	(A,14,58) PIN JACK(4P)YELLOW	XKB3048
	JA 351	(A,15,20) MINI JACK(4P) /W SW	XKN3015
	JA 352	(A,18,9) JACK	VKB1243
	X 851	(A,102,57) CRYSTAL RESONATOR (14.31818 MHz)	ASS1056
	CN 302	(A,64,84) 6P SOCKET	KP200TA6L
	CN 303	(A,81,7) CONNECTOR	9604S-19C
	CN 306	(A,14,37) 2P PIN JACK	XKB3041
	CN 310	(A,46,7) CONNECTOR	9604S-07C
	CN 354	(A,105,20) CONNECTOR POST	B2B-PH-K-S

RESISTORS

	R 301	(B,37,20)	RS1/16S750J
	R 302	(B,31,60)	RS1/16S750J
	R 303	(B,31,33)	RS1/16S750J
	R 304	(B,31,66)	RS1/16S750J
	R 305	(B,23,51)	RS1/16S750J
	R 306	(B,28,51)	RS1/16S750J
	R 307	(B,56,25)	RS1/16S102J
	R 308	(B,57,29)	RS1/16S102J
	R 309	(B,57,27)	RS1/16S151J
	R 310	(B,57,31)	RS1/16S102J
	R 311	(B,42,23)	RS1/16S102J
	R 312	(B,60,25)	RS1/16S102J
⚠	R 313	(A,85,57) METAL OXIDE RESISTOR	RS3LMF390J
	R 314	(B,84,61)	RS1/16S152J
	R 315	(B,64,59)	RS1/16S152J
⚠	R 316	(A,67,39) METAL OXIDE RESISTOR	RS3LMF390J
	R 317	(B,22,75)	RS1/16S102J
	R 318	(B,26,77)	RS1/16S122J
	R 319	(B,26,75)	RS1/16S472J
	R 390	(B,73,15)	RS1/16S102J

Mark	No.		Description	Part No.
R	391	(B,34,39)		RS1/16S0R0J
R	392	(B,33,54)		RS1/16S0R0J
R	393	(B,49,39)		RS1/16S0R0J
R	394	(B,26,27)		RS1/16S0R0J
R	852	(B,101,49)		RS1/16S471J
R	853	(B,94,47)		RS1/16S103J
R	854	(B,92,60)		RS1/16S103J
R	855	(B,105,82)		RS1/16S102J
R	856	(B,78,80)		RS1/16S221J
R	857	(B,74,80)		RS1/16S103J
R	858	(B,73,69)		RS1/16S222J

CAPACITORS

C	304	(B,35,18)		CKSRYB221K50
C	305	(B,23,66)		CKSRYB221K50
C	306	(B,25,51)		CKSRYB221K50
C	307	(A,35,36)		CEAT470M25
C	308	(A,52,54)		CEAT470M25
C	309	(A,31,46)		CEAT470M25
C	310	(A,54,43)		CEAT101M16
C	311	(B,82,48)		CKSRYB473K25
C	313	(B,75,42)		CKSRYB473K25
C	333	(B,22,77)		CKSRYB331K50
C	338	(A,60,38)		CEAT101M16
C	339	(B,37,24)		CKSRYB104K25
C	340	(B,56,37)		CKSRYB104K25
C	347	(B,56,22)		CCSRCH470J50
C	350	(A,38,80)		CEAT101M16
C	379	(B,31,54)		CKSRYB103K50
C	380	(A,43,74)		CEAT101M16
C	390	(A,30,75)	ELECTR.CAPACITOR	CEAT102M10
C	391	(A,49,65)		CEAT470M16
C	392	(B,49,67)		CKSRYB104K25
C	444	(B,46,67)		CKSRYB104K25
C	851	(A,82,80)		CEAT101M10
C	852	(A,90,71)		CEAT101M10
C	853	(B,107,82)		CKSRYB473K25
C	854	(B,91,62)		CKSRYB473K25
C	855	(B,106,53)		CCSRCH150J50
C	856	(B,103,53)		CCSRCH180J50
C	857	(B,101,53)		CCSRCH240J50
C	858	(B,99,53)		CCSRCH240J50
C	859	(B,99,47)		CCSRCH470J50
C	860	(B,98,82)		CKSRYB473K25
C	861	(B,100,82)		CKSRYB473K25
C	862	(B,102,82)		CCSRCH101J50
C	864	(A,68,76)		CEAT101M10
C	1360	(B,18,51)		CKSRYB103K50

Q PRIMARY ASSY

MISCELLANEOUS

Mark	No.		Description	Part No.
⚠ IC	51	(B,236,11)	IC	NJM78L05UA
Q	51	(B,267,14)	DIGITAL TR(SC-70)	RT1N431M
D	51	(B,298,20)	BRIDGE DIODE	DF06SA(A)
D	55	(A,304,21)	DIODE	1SR139-400(A)
D	56	(A,271,21)	DIODE	1SS133(A)
D	57	(A,266,25)	DIODE	1SS133(A)
D	58	(A,314,13)	DIODE	MTZJ5R1(B)(A)
H	51	(A,231,34)	FUSE CLIP	AKR7001
H	52	(A,250,34)	FUSE CLIP	AKR7001
J	52		JUMPER WIRE	D20PYY0410E
KN	51	(A,318,25)	WRAPPING TERMINAL	VNF1084
KN	3001	(A,223,117)	SCREW PLATE	VNE1948
⚠ RY	51	(A,271,57)	JOE LOWPOWER RELAY	ASR7013
⚠ T	51	(A,288,56)	STANDBY TRANSFORMER	ATT7043
⚠ CN	51	(A,236,47)	AC CODE SOCKET	RKP1751
⚠	51	(A,252,122)	AC SOCKET 1-P	AKP1060
	55	(A,317,9)	4P CABLE HOLDER	51048-0400

RESISTORS

⚠ R	51	(A,318,37)	RESISTOR(2.2M, 1/2W)	RCN1080
R	52	(A,275,11)		RD1/2PM270J
R	53	(A,307,12)		RD1/4PU332J
R	54	(A,319,16)		RD1/4PU103J

CAPACITORS

⚠ C	51	(A,261,64)	FILM CAPACITOR	ACE7013
⚠ C	52	(A,265,57)	SAFETY CAPACITOR	XCG3010
C	53	(A,291,21)	ELECT. CAPACITOR	CEAT102M16
C	54	(A,300,11)		CEAT470M25
C	55	(A,307,21)		CKPUYF103Z25
C	56	(A,311,21)		CKPUYF103Z25
C	57	(A,314,21)		CKPUYF103Z25

R FRONT VIDEO ASSY

MISCELLANEOUS

JA	902	(A,167,224)	3P PIN JACK	XKB3063
CN	901	(A,126,230)	CONNECTOR POST	B5B-PH-K-S

RESISTORS

R	901	(B,161,224)		RS1/16S331J
R	902	(B,176,220)		RS1/16S331J
R	903	(B,157,224)		RS1/16S474J
R	904	(B,171,220)		RS1/16S474J
R	905	(B,139,233)		RS1/16S750J

CAPACITORS

C	901	(B,164,224)		CCSRCH101J50
C	902	(B,178,220)		CCSRCH101J50
C	903	(A,136,234)	ELECTR. CAPACITOR	CEAL470M25
C	906	(B,161,233)		CKSRYB224K16
C	907	(B,163,233)		CKSRYB471K50
C	908	(B,158,233)		CKSRYB103K25
C	909	(B,153,233)		CKSRYB224K16
C	910	(B,151,233)		CKSRYB471K50
C	911	(B,148,233)		CKSRYB103K25
C	915	(B,159,224)		CCSRCH101J50
C	916	(B,173,220)		CCSRCH101J50

S TRANS1 ASSY

TRANS1 ASSY has no service parts.

T FRONT IN ASSY

MISCELLANEOUS

IC	951	(B,37,70)	DUAL OP-AMP	NJM4565MD
IC	952	(A,59,63)	IC	TC4066BFN
Q	951	(A,51,60)	TRANSISTOR	RT1N241M
Q	952	(B,52,66)	DIGITAL TR(SC-70)	RT1P241M

Mark	No.	Description	Part No.
D	951	(B,44,73) DIODE	UDZS5R1(B)(A)
D	952	(A,38,97) DIODE	UDZS5R1(B)(A)
D	953	(A,38,93) DIODE	UDZS5R1(B)(A)
D	957	(B,30,59) DIODE	DAN217U(A)
L	970	(A,60,38) COIL	ATH7015
JA	952	(A,78,58) STEREO MINI JACK	XKN3017
JA	953	(A,79,38) USB CONNECTOR	XKP3086
KN	951	(A,46,34) WRAPPING TERMINAL	VNF1084
CN	953	(A,40,51) CONNECTOR	B4B-PH-K-S
CN	956	(A,46,97) CONNECTOR	9604S-09C

RESISTORS

R	953	(A,38,72)	RS1/16S682J
R	954	(B,35,62)	RS1/16S101J
R	955	(A,50,67)	RS1/16S104J
R	956	(A,68,68)	RS1/16S102J
R	957	(B,35,58)	RS1/16S104J
R	958	(A,70,71)	RS1/16S104J
R	959	(B,43,66)	RS1/16S333J
R	960	(B,39,62)	RS1/16S472J
R	961	(B,41,67)	RS1/16S101J
R	962	(B,32,77)	RS1/16S101J
R	963	(A,37,81)	RS1/16S104J
R	966	(B,38,77)	RS1/16S472J
R	967	(B,36,77)	RS1/16S333J
R	972	(A,48,70)	RS1/16S102J
R	979	(B,61,33)	RS1/16S0R0J
R	980	(B,61,42)	RS1/16S0R0J
R	981	(A,69,68)	RS1/16S223J
R	982	(A,69,65)	RS1/16S103J
R	984	(A,54,60)	RS1/16S103J

CAPACITORS

C	952	(B,35,54)	CKSRYB103K50
C	953	(B,33,54)	CKSRYB104K50
C	956	(A,43,68) CHIP ELECT.CAPACITOR	CEVW100M50
C	957	(A,52,70)	CKSRYB103K50
C	958	(A,43,79) CHIP ELECT.CAPACITOR	CEVW100M50
C	959	(A,48,67)	CKSRYB471K50
C	960	(B,33,59)	CCSRCH101J50
C	962	(A,37,78)	CKSRYB103K50
C	963	(A,34,104) CHIP ELECT.CAPACITOR	CEVW100M50
C	964	(B,34,77)	CCSRCH330J50
C	965	(B,45,66)	CCSRCH330J50
C	967	(A,35,67) CHIP ELECT.CAPACITOR	CEVW100M50
C	968	(A,32,79) CHIP ELECT.CAPACITOR	CEVW100M50
C	969	(B,60,47)	CKSRYB104K16
C	970	(A,50,46)	CEVW101M16

U SIRIUS ASSY

MISCELLANEOUS

D	7301	(B,11,34) DIODE	UDZS6R2(B)(A)
D	7302	(B,7,33) DIODE	UDZS6R2(B)(A)
D	7303	(B,36,38) DIODE	UDZS6R2(B)(A)
D	7304	(B,33,38) DIODE	UDZS6R2(B)(A)
D	7305	(B,34,30) DIODE	UDZS6R2(B)(A)
D	7306	(B,32,30) DIODE	UDZS6R2(B)(A)
D	7307	(B,5,33) DIODE	UDZS6R2(B)(A)
JA	7001	(A,25,55) SOCKET	BKP1127
KN	7302	(A,40,55) SCREW PLATE	VNE1948
CN	7301	(A,17,14) CONNECTOR	9604S-09C

RESISTORS

R	7301	(B,39,39)	RS1/16S331J
R	7302	(B,10,40)	RS1/16S331J
R	7307	(B,40,30)	RS1/16S473J
R	7308	(B,36,30)	RS1/16S473J
R	7321	(B,21,8)	RS1/16S104J
R	7322	(B,18,8)	RS1/16S104J

V HDMI & DSP & USB ASSY

SEMICONDUCTORS

⚠	IC	1,2	PQ1LAX95MSPQ
⚠	IC	61	NJM2886DL3-33
⚠	IC	71	MD5001T
⚠	IC	91	NJM2872BF05
	IC	101	AK4114VQ
	IC	121	BU9450KV
⚠	IC	122,471	AAT4618IGV-0.5-1
	IC	161,171	TC74VHC157FTS1
	IC	191,331,881	TC74VHC08FTS1
	IC	201	DSPC56371AF180
	IC	202	TC7WH125FU
	IC	251	PDC173A8
	IC	261	TC7WHU04FU
	IC	271	ML87V5002
	IC	301	AK4626AVQ
	IC	341,882	TC74VHCT08AFTS1
	IC	351	TC74VHCT541AFTS1
	IC	401	TCC8600-00X-EA-UG
⚠	IC	402	S-1200B18-M5
	IC	461	HY57V641620FTP-6
	IC	462	AYW7236
	IC	481	341S2154
	IC	611	CXB1444R
	IC	631	S-24CS02AFT
	IC	632	TC74LVX4053FT
	IC	651	SII9013CLU
	IC	701	SII9134CTU
	IC	801	PEG118A
	IC	861	AYW7202
	IC	871	TC74VHC125FTS1
⚠	IC	891	NJM2872BF33
	Q	71,602,604,631	DTC114YUA
	Q	201	RT1N241M
	Q	401	2SA1577
	Q	402,471,632,634	RT1N431M
	Q	601,603,633,635	RT1P241M
	Q	751	UMB1N
	Q	752	DTC114YUA
	D	1,21,121,122	UDZS5R6(B)
	D	61	RB551V-30
⚠	D	71	D1FM3
	D	301	MA152WA
	D	302	MA152WK
	D	701	UDZS5R1(B)
	D	861	RB501V-40

MISCELLANEOUS

Mark	No.	Description	Part No.
	L	1-3 CHIP SOLID INDUCTOR	ATL7002
	L	71,611,651,652 CHIP BEADS	ATL7010
⚠	L	72 POWER INDUCTOR(22U)	DTL1100
	L	101,102 CHIP SOLID INDUCTOR	QTL1013
	L	121,161 CHIP SOLID INDUCTOR	QTL1013
	L	122,202 CHIP SOLID INDUCTOR	ATL7002
	L	171,191 CHIP SOLID INDUCTOR	QTL1013
	L	201,204 CHIP SOLID INDUCTOR	QTL1013
	L	203 CHIP SOLID INDUCTOR	ATL7002
	L	251,261 CHIP SOLID INDUCTOR	QTL1013
	L	271,301 CHIP SOLID INDUCTOR	QTL1013
	L	302,331 CHIP SOLID INDUCTOR	QTL1013
	L	341,351 CHIP SOLID INDUCTOR	QTL1013
	L	401,403 CHIP SOLID INDUCTOR	QTL1013
	L	402 INDUCTOR	LCTC100K1608
	L	404,461 CHIP SOLID INDUCTOR	QTL1013
	L	441 CHIP FERRITE BEADS	VTL1169
	L	442 COIL	VTH1043
	L	462,481 CHIP SOLID INDUCTOR	QTL1013
	L	653-655 CHIP SOLID INDUCTOR	QTL1013
	L	656,657,701-705 CHIP BEADS	ATL7010
⚠	L	751-754 COIL	ATH7022
	L	801 CHIP BEADS	ATL7010
	JA	101 JACK	VKB1159
	JA	121 4P SOCKET	AKP7201
	JA	601,602,701 HDMI CONNECTOR	AKP1318
	X	121 CRYSTAL RESONATOR (145.1584 MHz)	ASS7065
	X	261 CRYSTAL RESONATOR (24.576 MHz)	XSS3003
	X	402 CRYSTAL OSCILLATOR	CSS1614
	X	481 CRYSTAL OSCILLATOR	ASS1172
	X	651 CRYSTAL RESONATOR	ASS7085
	X	801 CERAMIC RESONATOR	XSS3004
	CN	1 13P SOCKET	XKP3077
	CN	2 21P SOCKET	XKP3081
	CN	3 CONNECTOR	9604S-35C
	CN	4 14P CONNECTOR	VKN1418
	CN	5 5P CONNECTOR	VKN1374
	CN	401 CONNECTOR	AKM1275
	CN	801 7P CONNECTOR	VKN1411
		501 PCB BINDER	VEF1040

RESISTORS

	R	21	RS1/16SS2002F
	R	22,24,74	RS1/16SS1202F
	R	23	RS1/16SS1000F
	R	31,42,44,45	RAB4CQ104J
	R	48	RAB4CQ104J
	R	51,62,64,92	RS1/16S0R0J
	R	63,77,80	RS1/10S0R0J
	R	75	RS1/16SS5100F
	R	76	RS1/16SS1002F
	R	103,108,139,145	RAB4CQ101J
	R	110,442,443	RS1/16S0R0J
	R	111	RS1/16SS1802F
	R	146,161,163,171	RAB4CQ101J
	R	148	RAB4CQ223J
	R	162,164,172,226	RAB4CQ470J
	R	173,174,202,271	RAB4CQ101J
	R	191-193	RS1/16S101J
	R	203	RAB4CQ103J
	R	229,272,663	RAB4CQ470J
	R	273,279,317,353	RAB4CQ101J
	R	306	RS1/16S4R7J
	R	354	RAB4CQ101J
	R	488	RS1/16SS1003F
	R	607-610,621-625	RS1/16S0R0J
	R	612	RS1/16SS4701F
	R	668,669,721	RAB4CQ473J
	R	681-685,687,688	RAB4CQ220J
	R	704	RS1/16SS6800F
	R	723-728	RAB4CQ473J
	R	764	RAB4CQ220J
	R	781-785,891	RS1/16S0R0J
		Other Resistors	RS1/16SS###J

CAPACITORS

	C	7,78,107,173	CKSSYB102K50
	C	9,74,92,113	CKSSYB103K16
	C	10,12,122,162	CKSSYB471K50
	C	11,102,105,106	CKSSYB104K10
	C	21,51,127,230	CEVW101M16
	C	22-25,138	CKSRYB105K10
	C	52,54,55	CKSRYB104K16
	C	57-59,63,65	CKSRYB104K16
	C	61,613,654,655	CKSRYB105K16
	C	62,93,421,893	CKSQYB225K10
	C	67,70,91,441	CKSRYB104K16
	C	71-73,80,82	DCH1201
	C	75	CCSSCH121J50
	C	77	CKSSYB473K16
	C	79	CCSSCH471J16
	C	85,86	CKSRYB102K50
	C	87	CCSRCH101J50
	C	103,108,121,318	CEVW470M6R3
	C	104,110,192,261	CCSRCH471J50
	C	109,123-126,128	CKSSYB104K10
	C	111	CKSRYB474K10
	C	131,132,691	CCSSCH120J50
	C	161,171,191,202	CKSSYB104K10
	C	172,203,209,214	CKSSYB471K50
	C	204,206,208,210	CKSSYB104K10
	C	215,217,219,222	CKSSYB104K10
	C	216,218,221,225	CKSSYB471K50
	C	220,301,431,667	CKSSYB103K16
	C	224,226,228,232	CKSSYB104K10
	C	229	CEVW101M4
	C	252,262,271,273	CKSSYB104K10
	C	264,265	CCSSCH8R0D50
	C	275,277,304,306	CKSSYB104K10
	C	303,315,425,443	CEVW101M16
	C	305,484,802,805	CCSSCH101J50
	C	309-314,317,402	CKSSYB471K50
	C	316,320,332,342	CKSSYB104K10
	C	321,322	CKSSYB102K50
	C	352,401,403,405	CKSSYB104K10
	C	404,406,408,410	CKSSYB471K50
	C	407,409,411,415	CKSSYB104K10
	C	412,416,418,424	CKSSYB471K50
	C	413	CCSRCH100D50
	C	414	CCSRCH471J50
	C	417,419,423,426	CKSSYB104K10

Mark	No.	Description	Part No.
	C	420	CKSSYB122K50
	C	422	CCSRCH331J50
	C	427,430,433,435	CKSSYB471K50
	C	429,432,434,454	CKSSYB104K10
	C	436,462-464,466	CKSSYB471K50
	C	442,861,873	CKSRYB104K16
	C	451,457	CKSQYB105K10
	C	455,612,801	CEVW101M16
	C	461,467,481,485	CKSSYB104K10
	C	468,486	CKSSYB471K50
	C	471	CKSSYB104K16
	C	472	CKSQYB105K16
	C	482,483	CCSSCH5R0C50
	C	611,614-624,631	CKSSYB104K10
	C	632,661-666	CKSSYB104K10
	C	651,656,701,703	DCH1201
	C	652,653,702,704	CKSQYB106K6R3
	C	657,672,679,712	CKSRYB105K16
	C	668-671,673-677	CKSSYB104K10
	C	678,713,803,892	CKSSYB103K16
	C	680-683,711,714	CKSSYB104K10
	C	692	CCSSCH100D50
	C	705	CKSQYB106K6R3
	C	715,717,719,723	CKSRYB105K16
	C	716,718,720-722	CKSSYB104K10
	C	724	CKSRYB105K16
	C	731-738	VCG1066
	C	751,804,806,807	CKSSYB104K10
	C	808	CCSSCH101J50
	C	862,871,872,881	CKSSYB104K10
	C	882,891	CKSSYB104K10

W HDMI ASSY (VSX-818V)

SEMICONDUCTORS

	IC	101	CXB1444R
	IC	102	TC7MB3253FK
⚠	IC	901	MM1593DF
⚠	IC	911	NJM2872BF05
	Q	121-123,152,154	RT1N241M
	Q	151,153	RT1P241M
	D	381	UDZS5R1(B)

MISCELLANEOUS

	L	101,1001 CHIP BEADS	ATL7010
⚠	L	351-354 COIL	ATH7022
	JA	101,102,301 HDMI CONNECTOR	AKP1318
	CN	1001 7P CONNECTOR	52044-0745
	CN	1002 5P CONNECTOR	VKN1236

RESISTORS

	R	102	RS1/16S4701F
	R	121-123	RS1/16SS103J
	Other Resistors		RS1/16S###J

CAPACITORS

	C	101,102,104-111	CKSRYB104K16
	C	103	CEVW101M16
	C	113-115,351,911	CKSRYB104K16
	C	121	CKSSYB104K10
	C	901	CKSRYB105K16
	C	902	CCSRCH471J50
	C	903,913	CKSQYB225K10
	C	912	CKSRYB103K50
	C	1001,1011	CKSRYB104K16
	C	1002	DCH1201
	C	1012	CKSRYB102K50
	C	1013	CCSRCH101J50

FM/AM TUNER UNIT

FM/AM TUNER UNIT has no service parts.