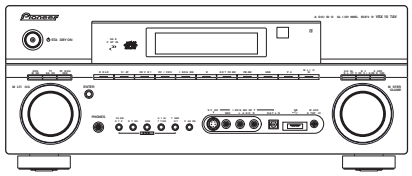
Pioneer sound.vision.soul

Service Manual



VSX-1017AV-K

ORDER NO.
RRV3599

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-1017AV-K
VSX-1017AV-S
VSX-1017TXV-K
VSX-90TXV

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

Model	Type	Power Requirement	Remarks
VSX-1017AV-K	HYXJ5	AC 220 V to 230V	
VSX-1017AV-S	HYXJ5	AC 220 V to 230V	
VSX-1017TXV-K	KUXJ	AC 120 V	
VSX-90TXV	KUXJ/CA	AC 120 V	

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

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936

T-FZV MAY 2007 printed in Japan

SAFETY INFORMATION

This service manual is intended for qualified service technicians ; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

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

Health & Safety Code Section 25249.6 - Proposition 65

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

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

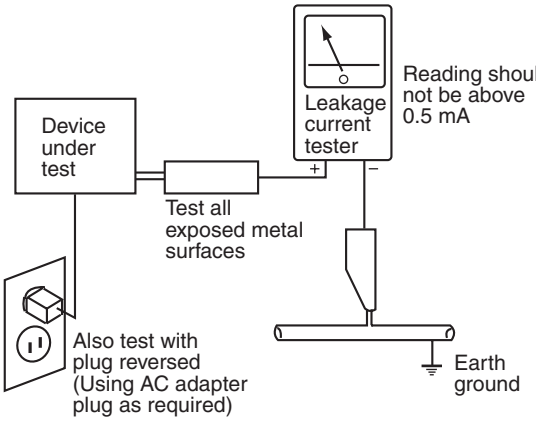
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

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

LEAKAGE CURRENT CHECK

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



AC Leakage Test

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

2. PRODUCT SAFETY NOTICE

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

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

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

[Important Check Points for Good Servicing]

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

1. Product safety

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

① Use specified parts for repair.

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

② Do not perform modifications without proper instructions.

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

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

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

④ Make sure the screws are tightly fastened.

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

⑤ Make sure each connectors are correctly inserted.

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

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

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

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

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

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

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

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

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

⑩ Safe environment should be secured during servicing.

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

2. Adjustments

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

3. Lubricants, Glues, and Replacement parts

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

4. Cleaning

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

5. Shipping mode and Shipping screws

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

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 ºC.
  Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 ºC 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).

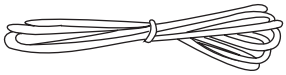
The following lead-free solders are available as service parts:
- Parts numbers of lead-free solder:
  GYP1006 1.0 in dia.
  GYP1007 0.6 in dia.
  GYP1008 0.3 in dia.

2. SPECIFICATIONS

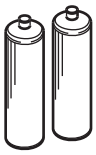
2.1 ACCESSORIES

● Accessories

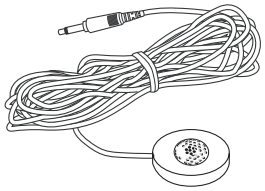
AM Loop Antenna
(ATB7013)



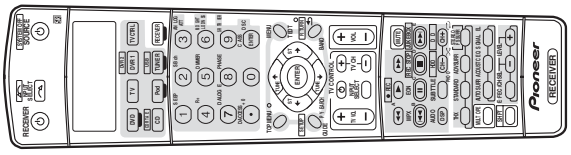
FM Wire Antenna
(ADH7030)



AA/LR6 Dry Cell Batteries
(VEM1031)



Setup Microphone
(for Auto MCACC setup)
(APM7008)



Remote Control Unit
(AXD7495: VSX-1017AV-K, VSX-1017AV-S)
(AXD7494: VSX-1017TXV-K)
(AXD7493: VSX-90TXV)

Audio Control Cable for iPod
(XDE7025)

KU models only

2.2 SPECIFICATIONS

● VSX-1017AV-K/VSX-1017AV-S

Amplifier section

Continuous Power Output (Stereo)

Front .....150 W + 150 W (DIN 1 kHz, THD 1 %, 6 Ω)
120 W + 120 W (DIN 1 kHz, THD 1 %, 8 Ω)

Continuous Power Output (Multichannel)

Front .....150 W + 150 W (DIN 1 kHz, THD 1 %, 6 Ω)
120 W + 120 W (DIN 1 kHz, THD 1 %, 8 Ω)
Center..... 150 W (DIN 1 kHz, THD 1 %, 6 Ω)
120 W (DIN 1 kHz, THD 1 %, 8 Ω)
Surround...150 W + 150 W (DIN 1 kHz, THD 1 %, 6 Ω)
120 W + 120 W (DIN 1 kHz, THD 1 %, 8 Ω)
Surround back
.....150 W + 150 W (DIN 1 kHz, THD 1 %, 6 Ω)
120 W + 120 W (DIN 1 kHz, THD 1 %, 8 Ω)

Rated Power Output..... 130 W + 130 W
(20 Hz to 20 kHz, 0.09 %, 6 Ω)
Rated Power Output..... 110 W + 110 W
(20 Hz to 20 kHz, 0.09 %, 8 Ω)

- The above specifications are applicable when the power supply is 230V.

Audio Section

Input (Sensitivity/Impedance)
LINE..... 335 mV/47 kΩ
Frequency Response (LINE).....5 Hz to 100 000 Hz $^{+0}_{-3}$ dB
Output (Level/Impedance)
REC..... 335 mV/2.2 kΩ
Tone Control
BASS.....± 6 dB (100 Hz)
TREBLE .....± 6 dB (10 kHz)
LOUDNESS..... +4 dB / +2 dB (100 Hz/10 kHz)
(at volume position –40 dB)
Signal-to-Noise Ratio (IHF, short circuited, A network)
LINE.....103 dB
Signal-to-Noise Ratio
[DIN (continuous rated power output/50 mW)]
LINE..... 92 dB / 65 dB

Composite Video / S-Video Section

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

Component Video Section

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

FM Tuner Section

Frequency Range..... 87.5 MHz to 108 MHz
Usable Sensitivity..... Mono: 15.2 dBf, IHF (1.6 µV/75 Ω)
50 dB Quieting Sensitivity .....Mono: 20.2 dBf
Stereo: 41.2 dBf
Sensitivity (DIN).....Mono: 1.1 µV (S/N 26 dB)
Stereo: 50 µV (S/N 46 dB)
Signal-to-Noise Ratio.....Mono: 76 dB (at 85 dBf)
Stereo: 72 dB (at 85 dBf)
Signal-to-Noise Ratio (DIN).....Mono: 62 dB
Stereo: 58 dB
Distortion .....Stereo: 0.6 % (1 kHz)
Alternate Channel Selectivity ..... 70 dB (400 kHz)
Stereo Separation..... 40 dB (1 kHz)
Frequency Response .....30 Hz to 15 kHz ± 1dB
Antenna Input .....75 Ω unbalanced

AM Tuner Section

Frequency Range..... 531 kHz to 1602 kHz (9 kHz step)
Sensitivity (IHF, Loop antenna) .....350 µV/m
Selectivity .....30 dB
Signal-to-Noise Ratio.....50 dB
Antenna ..... Loop antenna

Miscellaneous

Power Requirements...AC 220 V to 230 V, 50 Hz / 60 Hz
Power Consumption .....450 W
In standby.....0.5 W
Dimensions.....420 (W) mm x 173 (H) mm x 465 (D) mm
Weight (without package)..... 15.0 kg

Furnished Parts

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

Note

- Specifications and the design are subject to possible modifications without notice, due to improvements.

● VSX-90TXV/VSX-1017TXV-K

Amplifier section

Continuous average power output of 110 watts* per channel, min., at 8 ohms, from 20 Hz to 20 000 Hz with no more than 0.09 %** total harmonic distortion (front).

Continuous Power Output (20 Hz to 20 kHz, 8 Ω, 0.09 %)

Front ..... 110 W + 110 W
Center ..... 110 W
Surround ..... 110 W + 110 W
Surround back ..... 110 W + 110 W

Continuous Power Output (1 kHz, 6 Ω, 1.0 %)

Front ..... 150 W + 150 W
Center ..... 150 W
Surround ..... 150 W + 150 W
Surround back ..... 150 W + 150 W

Total harmonic distortion ..... 0.09 %
(20 Hz to 20 kHz, 110 W, 8 Ω)

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

Audio Section

Input (Sensitivity/Impedance)
LINE ..... 335 mV/47 kΩ
Frequency Response (LINE) ..... 5 Hz to 100 000 Hz +0 −3 dB
Output (Level/Impedance)
REC ..... 335 mV/2.2 kΩ
Tone Control
BASS ..... ± 6 dB (100 Hz)
TREBLE ..... ± 6 dB (10 kHz)
LOUDNESS ..... +4 dB / +2 dB (100 Hz/10 kHz)
(at volume position –40 dB)
Signal-to-Noise Ratio (IHF, short circuited, A network)
LINE ..... 103 dB
Signal-to-Noise Ratio [EIA, at 1 W (1 kHz)]
LINE ..... 83 dB

Composite Video / S-Video Section

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

Component Video Section

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

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 ..... 75 Ω unbalanced

AM Tuner Section

Frequency Range ..... 530 kHz to 1700 kHz
Sensitivity (IHF, Loop antenna) ..... 350 µV/m
Selectivity ..... 25 dB
Signal-to-Noise Ratio ..... 50 dB
Antenna ..... Loop antenna

Miscellaneous

Power Requirements ..... AC 120 V, 60 Hz
Power Consumption ..... 490 W, 650 VA
In standby ..... 0.5 W
AC Outlet ..... (switched) 100 W MAX.
Dimensions ..... 420 (W) mm x 173 (H) mm x 465 (D) mm
(16 9/16 (W) in. x 6 13/16 (H) in. x 18 5/16 (D) in.)
Weight (without package) ..... 15.0 kg (33 lbs 1 oz)

Furnished Parts

Setup microphone (for Auto MCACC setup) 1
AA/IEC R6P dry cell batteries 2
Remote control unit 1
AM loop antenna 1
FM wire antenna 1
Warranty card 1
Operating instructions
(*) Audio Control cable for iPod 1

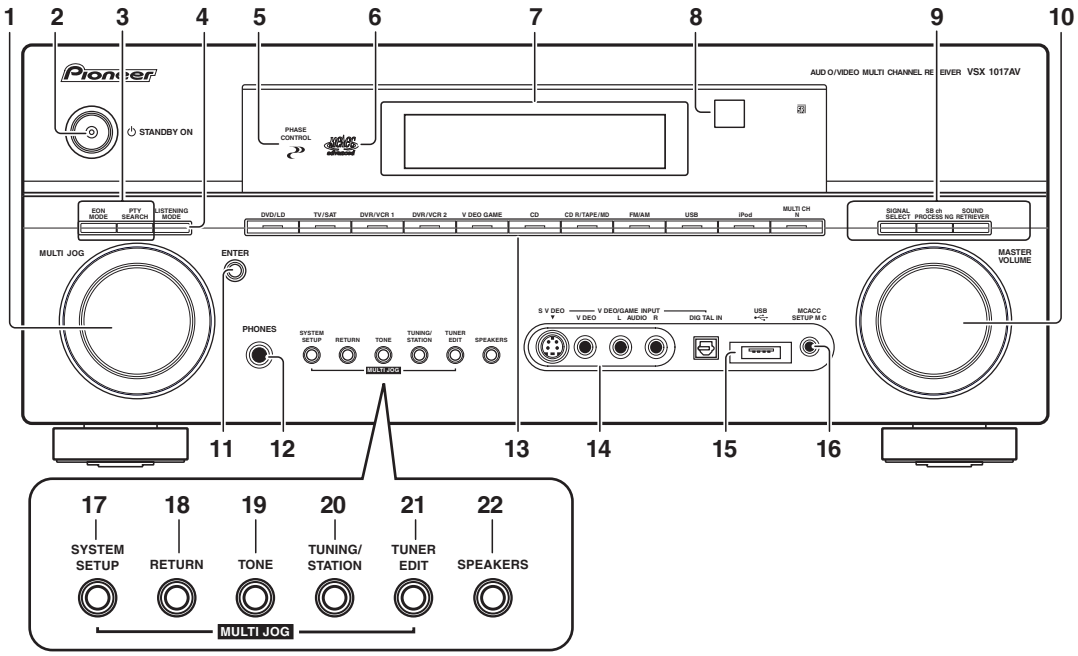
Note

- Specifications and the design are subject to possible modifications without notice, due to improvements.

(*) KU models only

2.3 PANEL FACILITIES

● Front Panel (VSX-1017AV-K/VSX-1017AV-S)



1 MULTI JOG dial
Use the **MULTI JOG** dial to select various settings and menu options.

2 ⏻ STANDBY/ON
Switches the receiver between on and standby. Power indicator lights when the receiver is on.

3 EON MODE
Use to search for programs that are broadcasting traffic or news information.

PTY SEARCH
Use this button to search for RDS program types.

4 LISTENING MODE
Use with the **MULTI JOG** dial to select the various listening modes.

5 PHASE CONTROL indicator
Lights when Phase Control is switched on.

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

7 Character display

8 Remote sensor
Receives the signals from the remote control.

9 SIGNAL SELECT
Use to select an input signal.

SB ch PROCESSING – Selects the surround back channel mode or virtual surround back mode.

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

10 MASTER VOLUME dial

11 ENTER

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

13 Input source buttons
Press to select an input source.

14 VIDEO/GAME INPUT

15 USB interface
Connect a USB audio device for playback.

16 MCACC SETUP MIC jack
Use to connect the supplied microphone.

17 SYSTEM SETUP
Press to access the System Setup menu.

18 RETURN
Press to confirm and exit the current menu screen.

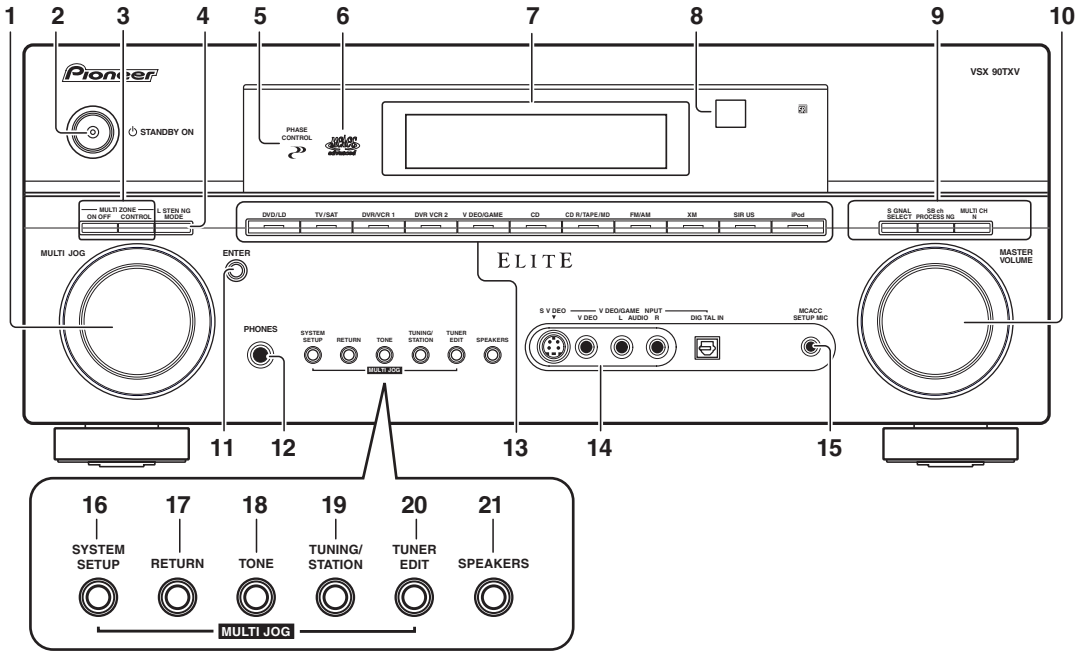
19 TONE
Press this button to access the bass and treble controls, which you can then adjust with the **MULTI JOG** dial.

20 TUNING/STATION
Use to find radio frequencies and to select preset stations.

21 TUNER EDIT
Use with the **MULTI JOG** dial to memorize and name stations for recall.

22 SPEAKERS
Use to change the speaker system.

● Front Panel (VSX-90TXV)



1 MULTI JOG dial
Use the **MULTI JOG** dial to select various settings and menu options.

2 ⏻ STANDBY/ON
Switches the receiver between on and standby. Power indicator lights when the receiver is on.

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

4 LISTENING MODE
Use with the **MULTI JOG** dial to select the various listening modes.

5 PHASE CONTROL indicator
Lights when Phase Control is switched on.

6 MCACC indicator
Lights when Acoustic Calibration EQ is on (Acoustic Calibration EQ is automatically set to on after the Auto MCACC Setup or Advanced EQ Setup.

7 Character display

8 Remote sensor
Receives the signals from the remote control.

9 SIGNAL SELECT
Use to select an input signal.

SB ch PROCESSING – Selects the surround back channel mode or virtual surround back mode.

MULTI CH IN – Press to select the multichannel analog inputs.

10 MASTER VOLUME dial

11 ENTER

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

13 Input source buttons
Press to select an input source (press **VIDEO SELECT** repeatedly to select the video source).

14 VIDEO/GAME INPUT

15 MCACC SETUP MIC jack
Use to connect the supplied microphone.

16 SYSTEM SETUP
Press to access the System Setup menu.

17 RETURN
Press to confirm and exit the current menu screen.

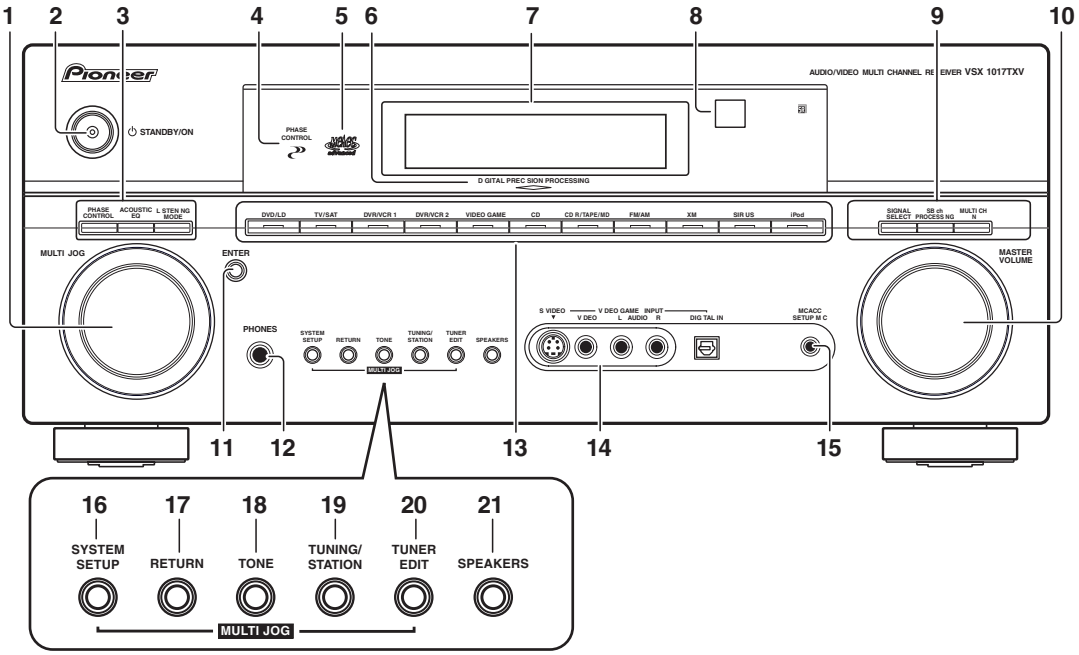
18 TONE
Press this button to access the bass and treble controls, which you can then adjust with the **MULTI JOG** dial.

19 TUNING/STATION
Use to find radio frequencies and to select preset stations.

20 TUNER EDIT
Use with the **MULTI JOG** dial to memorize and name stations for recall.

21 SPEAKERS
Use to change the speaker system.

● Front Panel (VSX-1017TXV-K)



1 MULTI JOG dial
Use the **MULTI JOG** dial to select various settings and menu options.

2 ⏻ STANDBY/ON
Switches the receiver between on and standby. Power indicator lights when the receiver is on.

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

ACOUSTIC EQ
Press to select an Acoustic Calibration EQ setting.

LISTENING MODE
Use with the **MULTI JOG** dial to select the various listening modes.

4 PHASE CONTROL indicator
Lights when Phase Control is switched on.

5 MCACC indicator
Lights when Acoustic Calibration EQ is on (Acoustic Calibration EQ is automatically set to on after the Auto MCACC Setup or Advanced EQ Setup.

6 DIGITAL PRECISION PROCESSING indicator
Light to indicate digital processing (for example, it disappears when listening through the multichannel analog inputs).

7 Character display

8 Remote sensor
Receives the signals from the remote control.

9 SIGNAL SELECT
Use to select an input signal.

SB ch PROCESSING
Selects the surround back channel mode or virtual surround back mode.

MULTI CH IN
Press to select the multichannel analog inputs.

10 MASTER VOLUME dial

11 ENTER

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

13 Input source buttons
Press to select an input source.

14 VIDEO/GAME INPUT

15 MCACC SETUP MIC jack
Use to connect the supplied microphone.

16 SYSTEM SETUP
Press to access the System Setup menu.

17 RETURN
Press to confirm and exit the current menu screen.

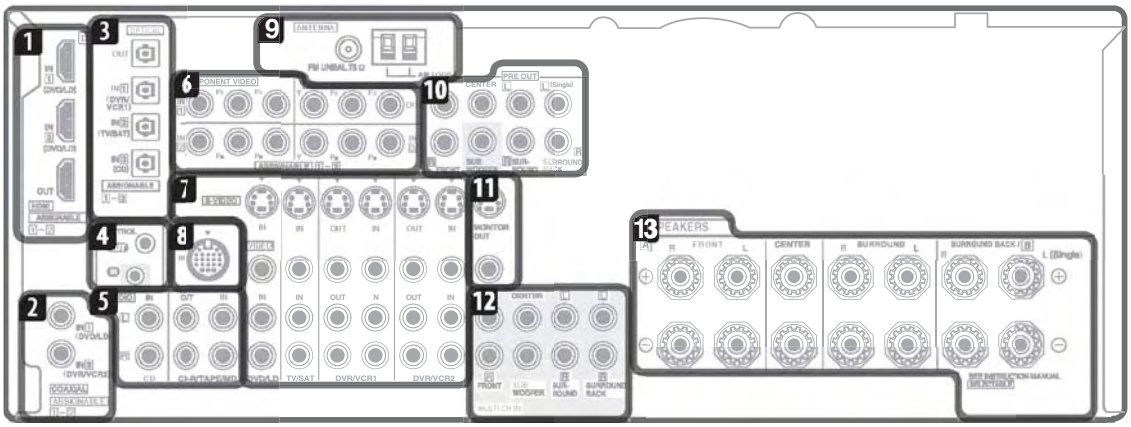
18 TONE
Press this button to access the bass and treble controls, which you can then adjust with the **MULTI JOG** dial.

19 TUNING/STATION
Use to find radio frequencies and to select preset stations.

20 TUNER EDIT
Use with the **MULTI JOG** dial to memorize and name stations for recall.

21 SPEAKERS
Use to change the speaker system.

● Rear Panel (VSX-1017AV-K/VSX-1017AV-S)



Caution

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

1 HDMI connectors (x3)
Two inputs and one output for high-quality audio/video connection to compatible HDMI devices.

2 Coaxial digital audio inputs (x2)
Use for digital audio sources, including DVD players/recorders, digital satellite receivers, CD players, etc.

3 Optical digital audio output/input(s) (x4)
Use the **OUT** jack for recording to a CD or MiniDisc recorder.
Use the **IN** jacks for digital audio sources, including DVD players/recorders, digital satellite receivers, CD players, etc.

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

5 Stereo analog audio source inputs/(outputs) (x3)
Use for connection to audio sources such as CD players, tape decks, turntables, etc.

6 Component video connections (x4)
Use the inputs to connect any video source that has component video output, such as a DVD recorder. Use the output for connection to a monitor or TV.

7 Audio/video source inputs/(outputs) (x6)
Use for connection to audio/visual sources, such as DVD players/recorders, VCRs, etc. Each set of inputs has jacks for composite video, S-video and stereo analog audio.

8 iPod input terminal
Use to connect your Apple iPod as an audio source.

9 AM and FM antenna terminals
Use to connect indoor or outdoor antennas for radio broadcasts.

10 Multichannel pre-amplifier outputs
Use to connect separate amplifiers for front, center, surround, surround back and subwoofer channels.

11 Composite and S-video monitor outputs
Use to connect monitors and TVs.

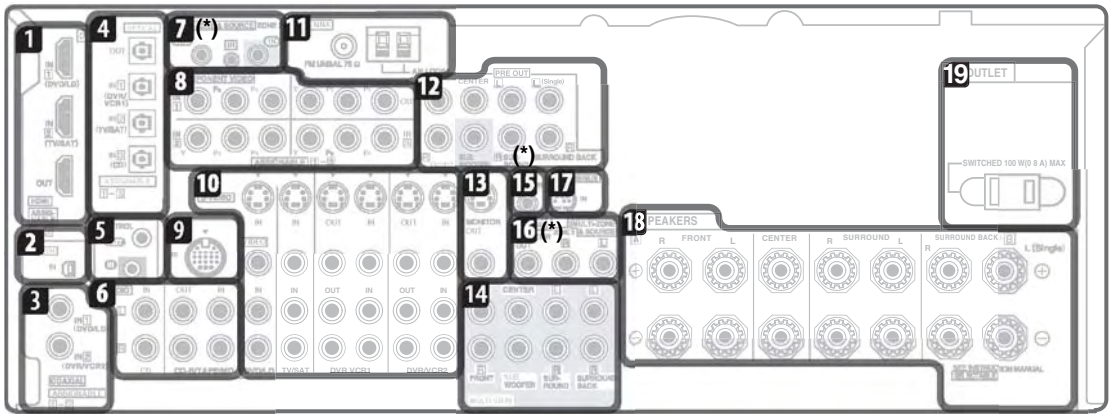
12 Multichannel analog audio inputs
7.1 channel inputs for connection to a DVD player with multichannel analog outputs.

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

Note

1You must connect your monitor/TV to the receiver's HDMI/component video outputs when connecting these video sources. If the video signal does not appear on your TV or plasma display, try adjusting the resolution settings on your component or display. Note that some components (such as video game units) have resolutions that may not be converted. In this case, use an (analog) S video or composite connection.

● Rear Panel (VSX-90TXV/VSX-1017TXV-K)



Caution

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

1 HDMI connectors (x3)
Two inputs and one output for high-quality audio/video connection to compatible HDMI devices.

2 XM Radio input

3 Coaxial digital audio inputs (x2)
Use for digital audio sources, including DVD players/recorders, digital satellite receivers, CD players, etc.

4 Optical digital audio output/input(s) (x4)
Use the **OUT** jack for recording to a CD or MiniDisc recorder.
Use the **IN** jacks for digital audio sources, including DVD players/recorders, digital satellite receivers, CD players, etc.

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

6 Stereo analog audio source inputs/(outputs) (x3)
Use for connection to audio sources such as CD players, tape decks, turntables, etc.

(*) 7 Remote input (MULTI-ZONE and source)
Use for connection to an external remote control sensor for use in a MULTI-ZONE setup, for example.

8 Component video connections (x4)
Use the inputs to connect any video source that has component video output, such as a DVD recorder. Use the output for connection to a monitor or TV.

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

10 Audio/video source inputs/(outputs) (x6)
Use for connection to audio/visual sources, such as DVD players/recorders, VCRs, etc. Each set of inputs has jacks for composite video, S-video and stereo analog audio.

11 AM and FM antenna terminals
Use to connect indoor or outdoor antennas for radio broadcasts.

12 Multichannel pre-amplifier outputs
Use to connect separate amplifiers for front, center, surround, surround back and subwoofer channels.

13 Composite and S-video monitor outputs
Use to connect monitors and TVs.

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

(*) 15 12 V trigger jack (total 50 mA max.)
Use to switch components in your system on and off according to the input function of the receiver.

(*) 16 MULTI-ZONE and source outputs
Use to connect a second amplifier in a separate zone.

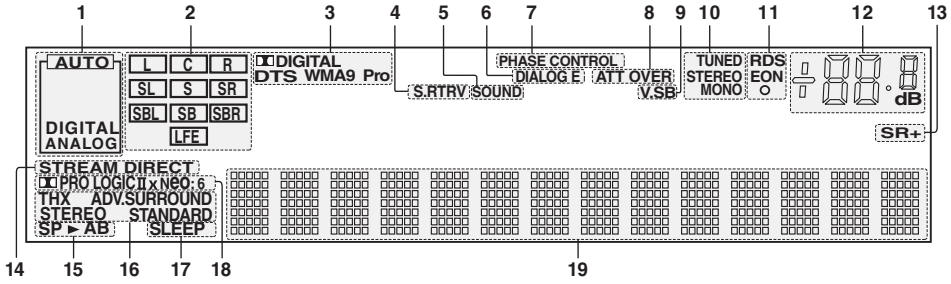
17 SIRIUS Radio input

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

19 Switched AC power outlet (100 W/0.8 A max.)
Use to power another component in the system. Power to the outlet switches on and off with the receiver.

(*) VSX-90TXV Only

● Display Panel (VSX-1017AV-K/VSX-1017AV-S)



1 SIGNAL indicators
Light to indicate the currently selected input signal.
AUTO lights when the receiver is set to select the input signal automatically.

2 Program format indicators
These change according to which channels are active in digital sources.

L Left front channel
C Center channel
R Right front channel
SL Left surround channel
S Surround channel (mono)
SR Right surround channel
SBL Left surround back channel
SB Surround back channel (mono)
SBR Right surround back channel
LFE Low frequency effects channel

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

4 S.RTRV
Lights when the Sound Retriever is switched on.

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

6 DIALOG E
Lights when the Dialog Enhancement feature is switched on.

7 PHASE CONTROL
Lights when the Phase Control is switched on.

8 OVER / ATT
OVER lights to indicate that the level of an analog source is too high. **ATT** lights when you use the attenuator (**ANALOG ATT**) to reduce it.

9 V.SB
Lights during Virtual surround back processing.

10 TUNER indicators
TUNED – Lights when a broadcast is being received.
STEREO – Lights when a stereo FM broadcast is being received in auto stereo mode.
MONO – Lights when the mono mode is set using the **MPX** button.

11 EON / RDS indicators
EON – Lights when the EON mode is set (flashes during EON reception). The o indicator lights when the current station carries the EON service.
RDS – Lights when an RDS broadcast is received.

12 Master volume level

13 SR+
Lights when the SR+ mode is switched on.

14 STREAM DIRECT
Lights when the Stream Direct mode is selected.

15 Speaker indicators
Indicate the current speaker system, **A** and/or **B**.

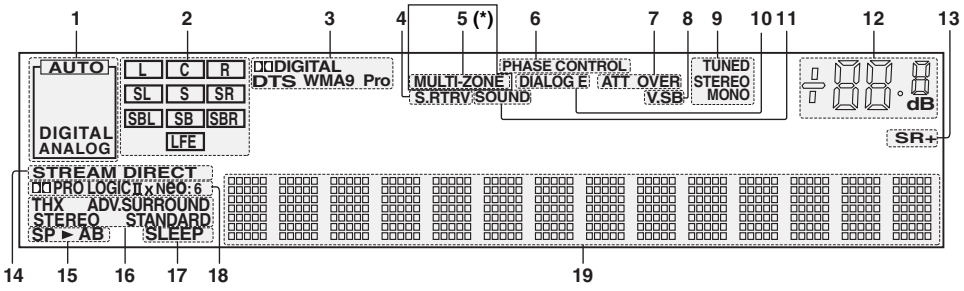
16 Listening mode indicators
THX – Lights when a Home THX mode is selected.
ADV.SURROUND – Lights when an Advanced Surround mode has been selected.
STEREO – Lights when the stereo mode is selected.
STANDARD – Lights when a Standard Surround mode is switched on.

17 SLEEP
Lights when the receiver is in sleep mode.

18 Matrix decoding format indicators
PRO LOGIC IIx –This lights to indicate Pro Logic II / Pro Logic IIx decoding.
Neo:6 – When one of the Neo:6 modes of the receiver is on, this lights to indicate Neo:6 processing.

19 Character display
Displays various system information.

● Display Panel (VSX-90TXV/VSX-1017TXV-K)



1 SIGNAL indicators
Light to indicate the currently selected input signal. **AUTO** lights when the receiver is set to select the input signal automatically.

2 Program format indicators
These change according to which channels are active in digital sources.

L Left front channel
C Center channel
R Right front channel
SL Left surround channel
S Surround channel (mono)
SR Right surround channel
SBL Left surround back channel
SB Surround back channel (mono)
SBR Right surround back channel
LFE Low frequency effects channel

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

4 S.RTRV
Lights when the Sound Retriever is switched on.

(*) 5 MULTI-ZONE
Lights when the MULTI-ZONE feature is active.

6 PHASE CONTROL
Lights when the Phase Control is switched on.

7 OVER / ATT
OVER lights to indicate that the level of an analog source is too high. **ATT** lights when you use the attenuator (**ANALOG ATT**) to reduce it.

8 V.SB
Lights during Virtual surround back processing.

9 TUNER indicators
TUNED – Lights when a broadcast is being received.
STEREO – Lights when a stereo FM broadcast is being received in auto stereo mode.
MONO – Lights when the mono mode is set using the **MPX** button.

10 DIALOG E
Lights when the Dialog Enhancement feature is switched on.

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

12 Master volume level

13 SR+
Lights when the SR+ mode is switched on.

14 STREAM DIRECT
Lights when the Stream Direct mode is selected.

15 Speaker indicators
Indicate the current speaker system, **A** and/or **B**.

16 Listening mode indicators
THX – Lights when a Home THX mode is selected.
ADV.SURROUND – Lights when an Advanced Surround mode has been selected.
STEREO – Lights when the stereo mode is selected.
STANDARD – Lights when a Standard Surround mode is switched on.

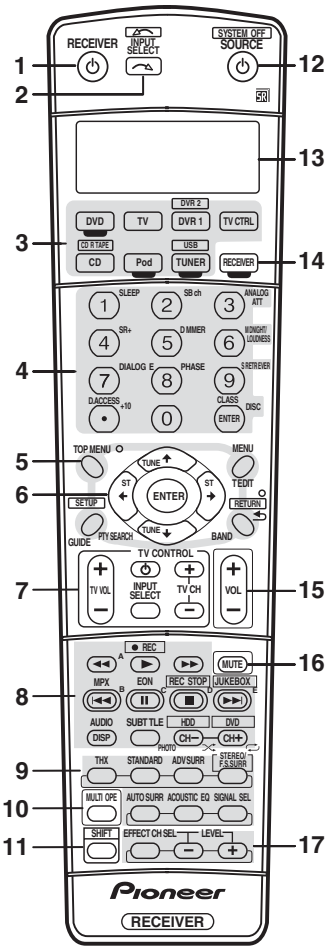
17 SLEEP
Lights when the receiver is in sleep mode.

18 Matrix decoding format indicators
PRO LOGIC IIx –This lights to indicate Pro Logic II / Pro Logic IIx decoding.
Neo:6 – When one of the Neo:6 modes of the receiver is on, this lights to indicate Neo:6 processing.

19 Character display
Displays various system information.

(*) VSX-90TXV Only

● Remote Control (VSX-1017AV-K/VSX-1017AV-S)



The remote has been conveniently color-coded according to component control using the following system (press the corresponding input source button to access):

- **Green** – Receiver controls (see below)
- **Red** – DVD controls
- **Blue** – Tuner controls
- **Yellow** – iPod controls
- **White** – Other controls

1 RECEIVER⏻
This switches between standby and on for this receiver.

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

3 Input source buttons
Press to select control of other components.

4 Number buttons and other receiver/component controls
Use the number buttons to directly select a radio frequency or the tracks on a CD, DVD, etc.

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

Press **RECEIVER** first to access:

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

SB ch – Use to select the surround/virtual back channel mode.

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

SR+ – Switches the SR+ mode on/off.

DIMMER – Dims or brightens the display.

MIDNIGHT/LOUDNESS – Use Midnight when listening to movie soundtracks at low volume. Use Loudness to boost the bass and treble at low volume.

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

PHASE – Press to switch on/off Phase Control.

S.RETRIEVER – Press to restore CD quality sound to compressed audio sources.

Press **TUNER** first to access:

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

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

5 Tuner/component control buttons/SETUP
These button controls can be accessed after you have selected the corresponding input source button (**DVD**, **DVR1**,**TV**, etc.). The **BAND**,**T.EDIT** and **PTY SEARCH** tuner controls are explained. Press **RECEIVER** first to access the following controls:

SETUP – Use to access the System Setup menu.

RETURN – Press to confirm and exit the current menu screen (also use to return to the previous menu with DVDs or to select closed captioning with DTV).

6 ⬅➡⬇⬆ (TUNE/ST) /ENTER
Use the arrow buttons when setting up your surround sound system. Also used to control DVD menus/options and for deck 1 of a double cassette deck player.
Use the **TUNE**⬆/⬇ buttons to find radio frequencies and use **ST** ⬅/➡ to find preset stations.

7 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** input source button. If you have two TVs, assign the main TV to the **TV CTRL** button (see page 57 for more on this).

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

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

INPUT SELECT – Use to select the TV input signal.

TV CH +/– – Use to select channels.

8 Component control buttons

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

The controls above these buttons can be accessed after you have selected the corresponding input source button (for example **DVD**,**DVR1** or **TV**). The following controls can be accessed when listening to the built-in tuner:

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

DISP – Switches between named station presets and radio frequencies. Also used to display RDS information.

EON – Use to search for programs that are broadcasting traffic or news information.

9 Receiver controls

THX – Press to select a Home THX listening mode.

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

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

STEREO/F.S.SURR – Switches between the stereo playback mode and the Front Stage Surround Advance mode.

AUTO SURR – Press to select the Auto Surround mode or the Stream Direct mode.
Stream Direct playback bypasses the tone controls and any other signal processing for the most accurate reproduction of a source.

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

SIGNAL SEL – Use to select an input signal.

10 MULTI OPE

Use this button to perform multi operations.

11 SHIFT

Press to access the controls outlined in white boxes (for example, **INPUT SELECT**), or to display the currently selected input source in the remote control LCD.

12 SOURCE⏻

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

13 Character display (LCD)

This display shows information when transmitting control signals.

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

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

PRESET – See Selecting preset codes directly.

MULTI OP – See Multi Operation and System Off.

SYS OFF – See Multi Operation and System Off.

DIRECT F – See Direct function.

RESET – See Resetting the remote control presets.

READ ID – See Confirming preset codes.

14 RECEIVER

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

15 VOL +/–

Use to set the listening volume.

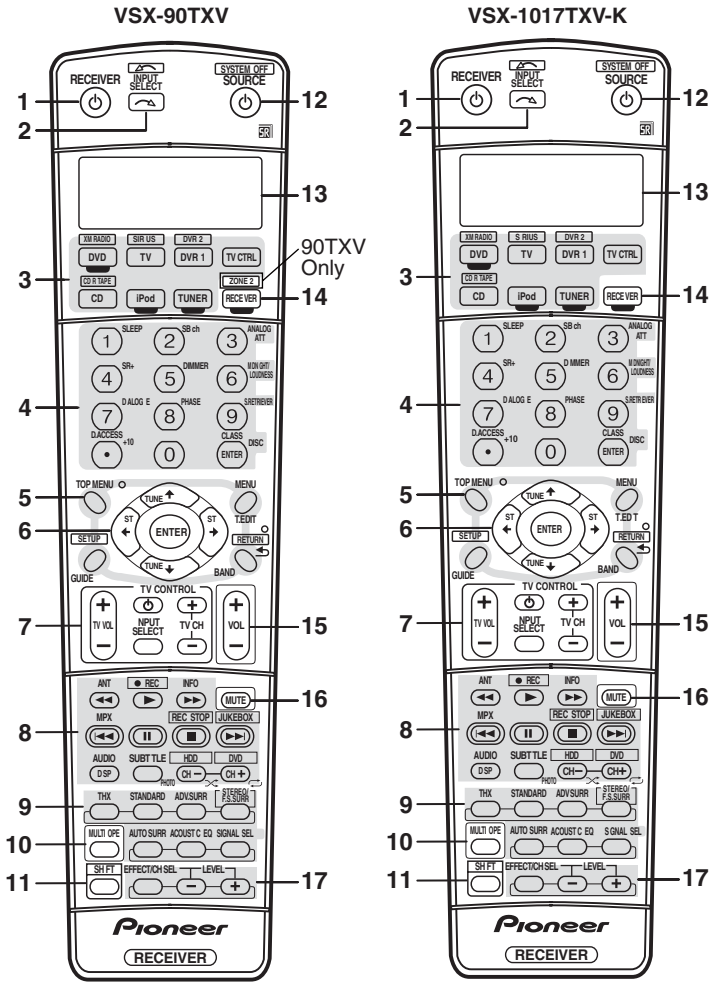
16 MUTE

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

17 EFFECT/CH SEL and LEVEL +/–

Press repeatedly to select a channel, then use **+/–** to adjust the level. Also adjusts the level of the Advanced Surround effects, the Dolby Pro Logic IIx Music and Neo:6 Music parameters and the sound delay setting. You can then use the **+/–** buttons to make these adjustments.

● Remote Control (VSX-90TXV/VSX-1017TXV-K)



The remote has been conveniently color-coded according to component control using the following system (press the corresponding input source button to access):

- **Green** – Receiver controls (see below)
- **Red** – DVD controls
- **Blue** – Tuner, XM and SIRIUS Radio controls
- **Yellow** – iPod controls
- **White** – Other controls

1 RECEIVER⏻
This switches between standby and on for this receiver.

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

3 Input source buttons
Press to select control of other components.

4 Number buttons and other receiver/component controls
Use the number buttons to directly select a radio frequency or the tracks on a CD, DVD, etc.

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

Press **RECEIVER** first to access:

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

SB ch – Use to select the surround/virtual back channel mode.

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

SR+ – Switches the SR+ mode on/off.

DIMMER – Dims or brightens the display.

MIDNIGHT/LOUDNESS – Use Midnight when listening to movie soundtracks at low volume. Use Loudness to boost the bass and treble at low volume.

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

PHASE – Press to switch on/off Phase Control.

S.RETRIEVER – Press to restore CD quality sound to compressed audio sources.

Press **TUNER** first to access:

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

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

5 Tuner/component control buttons/SETUP
These button controls can be accessed after you have selected the corresponding input source button (**DVD**, **DVR1**,**TV**, etc.). The **BAND** and **T.EDIT** tuner controls are explained. Press **RECEIVER** first to access the following controls:

SETUP – Use to access the System Setup menu.

RETURN – Press to confirm and exit the current menu screen (also use to return to the previous menu with DVDs or to select closed captioning with DTV).

6 ⬅➡⬇⬆ (TUNE/ST) /ENTER
Use the arrow buttons when setting up your surround sound system. Also used to control DVD menus/options and for deck 1 of a double cassette deck player. Use the **TUNE⬆/⬇** buttons to find radio frequencies and use **ST ⬅/➡** to find preset stations.

7 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** input source button. If you have two TVs, assign the main TV to the **TV CTRL** button.

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

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

INPUT SELECT – Use to select the TV input signal.

TV CH +/– – Use to select channels.

8 Component control buttons

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

The controls above these buttons can be accessed after you have selected the corresponding input source button (for example **DVD**,**DVR1** or **TV**). The following controls can be accessed when listening to the built-in tuner:

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

DISP – Switches between named station presets and radio frequencies.

9 Receiver controls

THX – Press to select a Home THX listening mode.

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

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

STEREO/F.S.SURR – Switches between the stereo playback mode and the Front Stage Surround Advance mode.

AUTO SURR – Press to select the Auto Surround mode or the Stream Direct mode.
Stream Direct playback bypasses the tone controls and any other signal processing for the most accurate reproduction of a source.

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

SIGNAL SEL – Use to select an input signal.

10 MULTI OPE

Use this button to perform multi operations.

11 SHIFT

Press to access the controls outlined in white boxes (for example, **INPUT SELECT**), or to display the currently selected input source in the remote control LCD.

12 SOURCE⏻

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

13 Character display (LCD)

This display shows information when transmitting control signals.

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

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

PRESET – See Selecting preset codes directly.

MULTI OP – See Multi Operation and System Off.

SYS OFF – See Multi Operation and System Off.

DIRECT F – See Direct function.

RESET – See Resetting the remote control presets.

READ ID – See Confirming preset codes.

14 RECEIVER

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

With **SHIFT**, this selects the MULTI-ZONE control. 90TXV Only

15 VOL +/–

Use to set the listening volume.

16 MUTE

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

17 EFFECT/CH SEL and LEVEL +/–

Press repeatedly to select a channel, then use **+/–** to adjust the level. Also adjusts the level of the Advanced Surround effects, the Dolby Pro Logic IIx Music and Neo:6 Music parameters and the sound delay setting. You can then use the **+/–** buttons to make these adjustments.

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

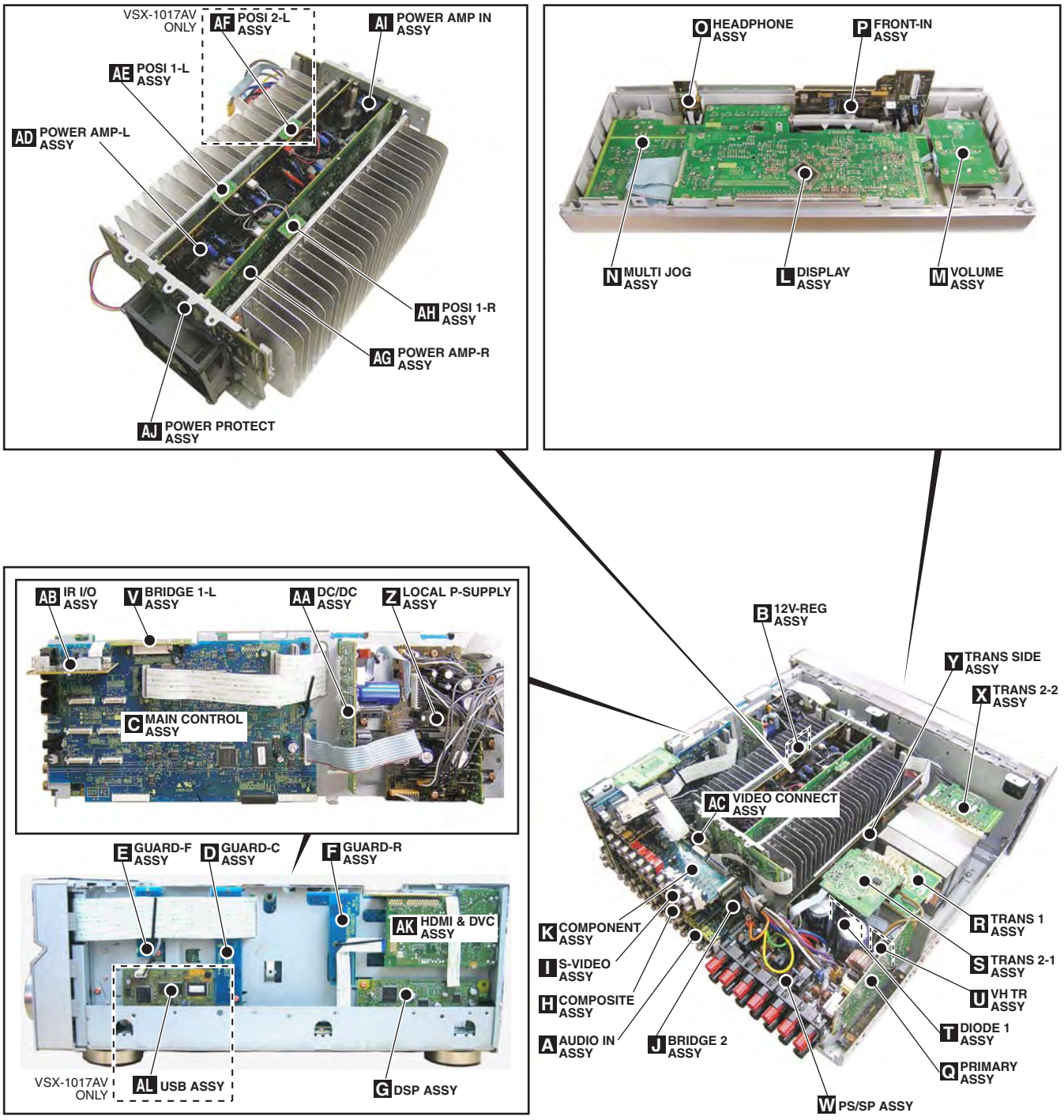
To keep the product quality after servicing, confirm recommended check points shown below.

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	

3.2 PCB LOCATIONS



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	Symbol and Description	VSX-1017AV-K /HYXJ5	VSX-1017AV-S /HYXJ5	VSX-1017TXV-K /KUXJ	VSX-90TXV /KUXJ/CA
NSP	1..MAIN ASSY	AWK7980	AWK7980	AWK7978	AWK7979
	2..MAIN CONTROL ASSY	AWX8829	AWX8829	AWX8827	AWX8828
	2..AUDIO IN ASSY	AWX8834	AWX8834	AWX8832	AWX8833
	2..12V-REG ASSY	AWX8824	AWX8824	AWX8824	AWX8824
	2..GUARD-C ASSY	AWX8839	AWX8839	AWX8839	AWX8839
	2..GUARD-F ASSY	AWX8838	AWX8838	AWX8838	AWX8838
	2..GUARD-R ASSY	AWX8840	AWX8840	AWX8840	AWX8840
	1..DSP ASSY	AWX8806	AWX8806	AWX8805	AWX8805
NSP	1..VIDEO ASSY	AWK7988	AWK7988	AWK7986	AWK7987
	2..COMPOSITE ASSY	AWX8854	AWX8854	AWX8852	AWX8853
	2..S-VIDEO ASSY	AWX8858	AWX8858	AWX8856	AWX8857
	2..COMPONENT ASSY	AWX8862	AWX8862	AWX8860	AWX8860
	2..BRIDGE 2 ASSY	AWX8850	AWX8850	AWX8850	AWX8850
NSP	1..COMPLEX ASSY	AWK8021	AWK8020	AWK8018	AWK8019
	2..PRIMARY ASSY	AWX9086	AWX9086	AWX9085	AWX9085
	2..TRANS 1 ASSY	AWX9038	AWX9038	AWX9038	AWX9038
	2..DISPLAY ASSY	AWX8878	AWX8878	AWX8876	AWX8877
	2..VOLUME ASSY	AWX9044	AWX9111	AWX9044	AWX9044
	2..MULTI JOG ASSY	AWX8881	AWX8882	AWX8881	AWX8881
	2..FRONT-IN ASSY	AWX8955	AWX8955	AWX8954	AWX8954
	2..HEADPHONE ASSY	AWX9049	AWX9049	AWX9049	AWX9049
NSP	1..SECONDARY ASSY	AWK7997	AWK7997	AWK7995	AWK7996
	2..PS/SP ASSY	AWX9108	AWX9108	AWX9054	AWX9054
	2..TRANS SIDE ASSY	AWX9056	AWX9056	AWX9056	AWX9056
	2..TRANS 2-1 ASSY	AWX9059	AWX9059	AWX9058	AWX9058
	2..DIODE 1 ASSY	AWX9060	AWX9060	AWX9060	AWX9060
	2..VH TR ASSY	AWX9061	AWX9061	AWX9061	AWX9061
	2..TRANS 2-2 ASSY	AWX9062	AWX9062	AWX9062	AWX9062
	2..LOCAL P-SUPPLY ASSY	AWX9064	AWX9064	AWX9063	AWX9063
	2..IR I/O ASSY	AWX9067	AWX9067	AWX9101	AWX9066
	2..VIDEO CONNECT ASSY	AWX9069	AWX9069	AWX9069	AWX9069
	2..DC/DC ASSY	AWX9015	AWX9015	AWX9015	AWX9015
NSP	1..POWER AMP ASSY	AWK7922	AWK7922	AWK7921	AWK7921
	2..POWER AMP-L ASSY	AWX9072	AWX9072	AWX9071	AWX9071
	2..POWER AMP-R ASSY	AWX9073	AWX9073	AWX9106	AWX9106
	2..POWER AMP IN ASSY	AWX9075	AWX9075	AWX9075	AWX9075
	2..POWER PROTECT ASSY	AWX9077	AWX9077	AWX9076	AWX9076
	2..BRIDGE 1-L ASSY	AWX9079	AWX9079	AWX9079	AWX9079
	2..POSI 1-L ASSY	AWX9081	AWX9081	AWX9080	AWX9080
	2..POSI 2-L ASSY	AWX9082	AWX9082	Not used	Not used
	2..POSI 1-R ASSY	AWX9084	AWX9084	AWX9083	AWX9083
	1..HDMI & DVC ASSY	AWQ7039	AWQ7039	AWQ7039	AWQ7039
	1..USB ASSY	AWX8866	AWX8866	Not used	Not used
	1..FM/AM TUNER UNIT	AXX7248	AXX7248	AXX7250	AXX7250

3.3 JIGS LIST

■ Jigs list

Name	Jig No.	Remarks
11P board to board extension jig cable	GGD1482	Diagonosis
13P board to board extension jig cable	GGD1483	Diagonosis
15P board to board extension jig cable	GGD1484	Diagonosis
21P board to board extension jig cable	GGD1485	Diagonosis

■ 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

A

B

C

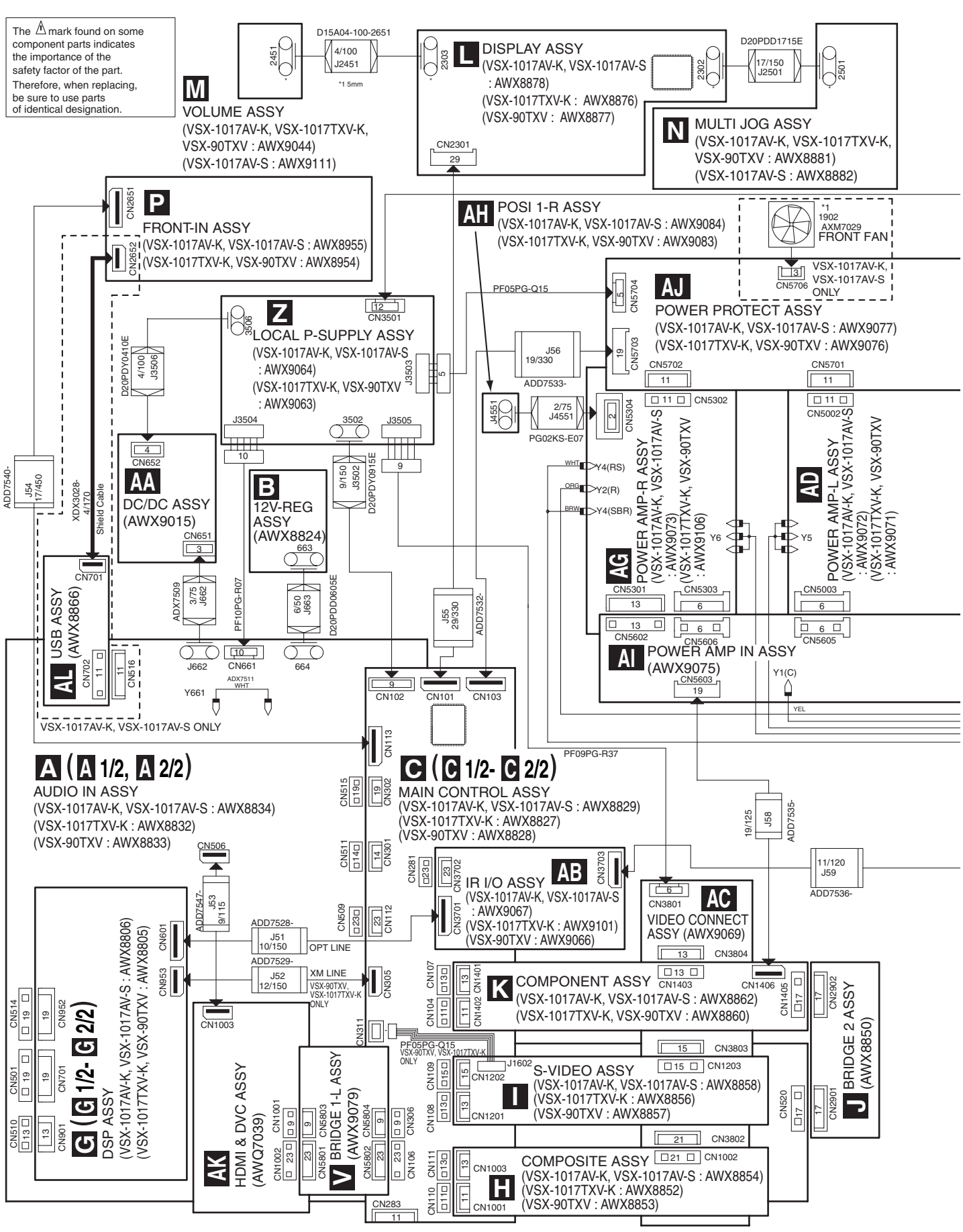
D

E

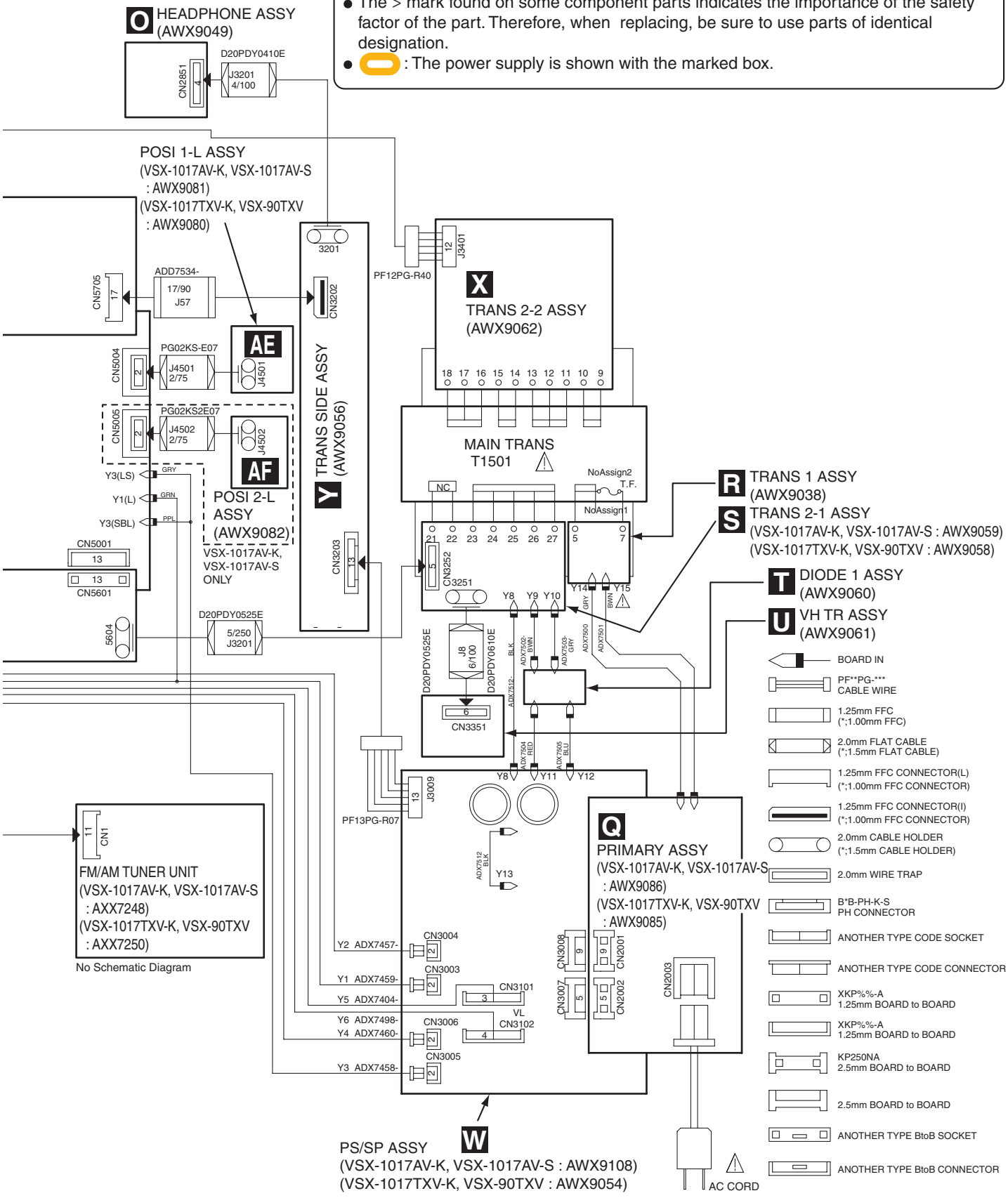
F

4. BLOCK DIAGRAM

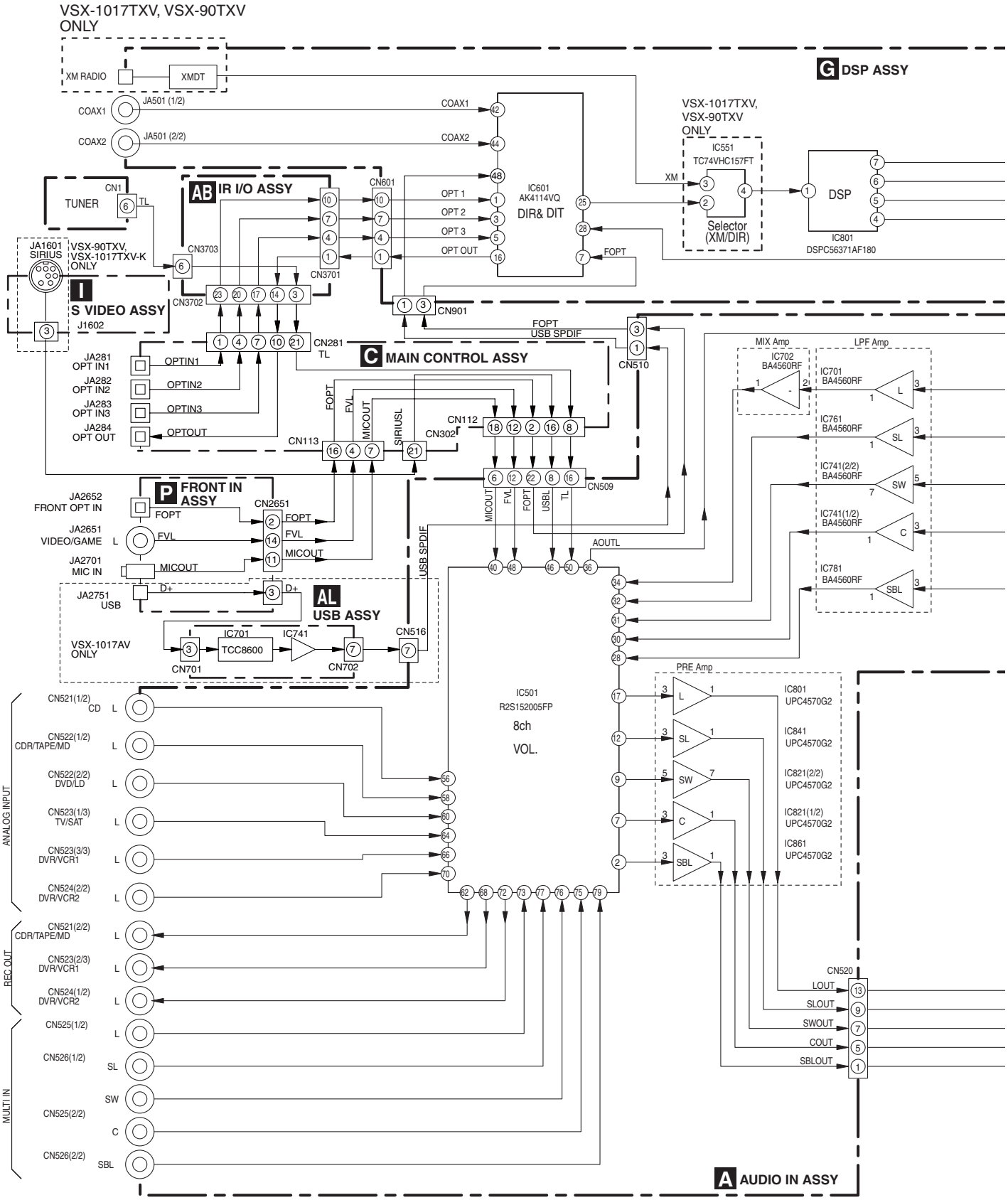
4.1 OVERALL WIRING DIAGRAM

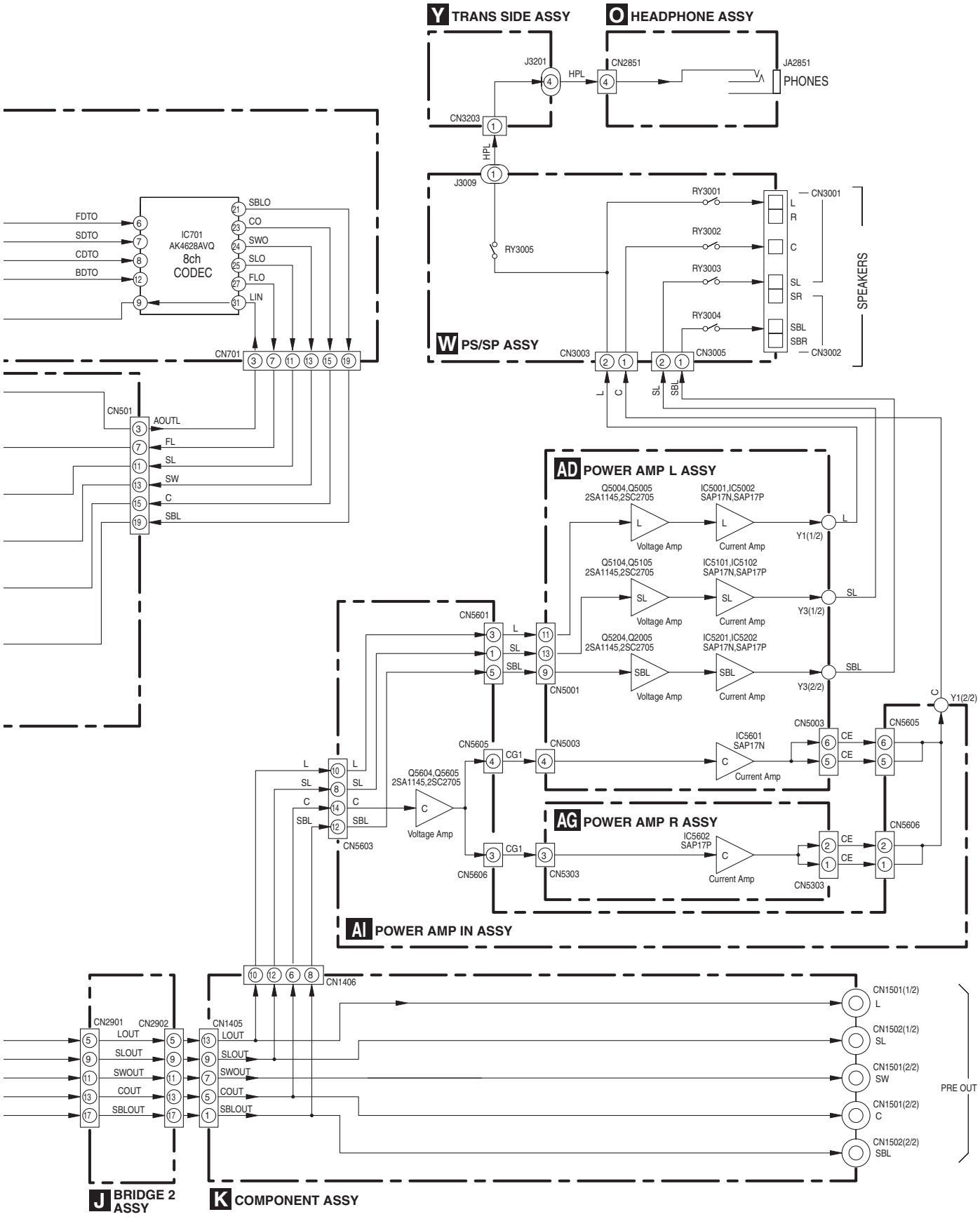


- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The > mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- : The power supply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

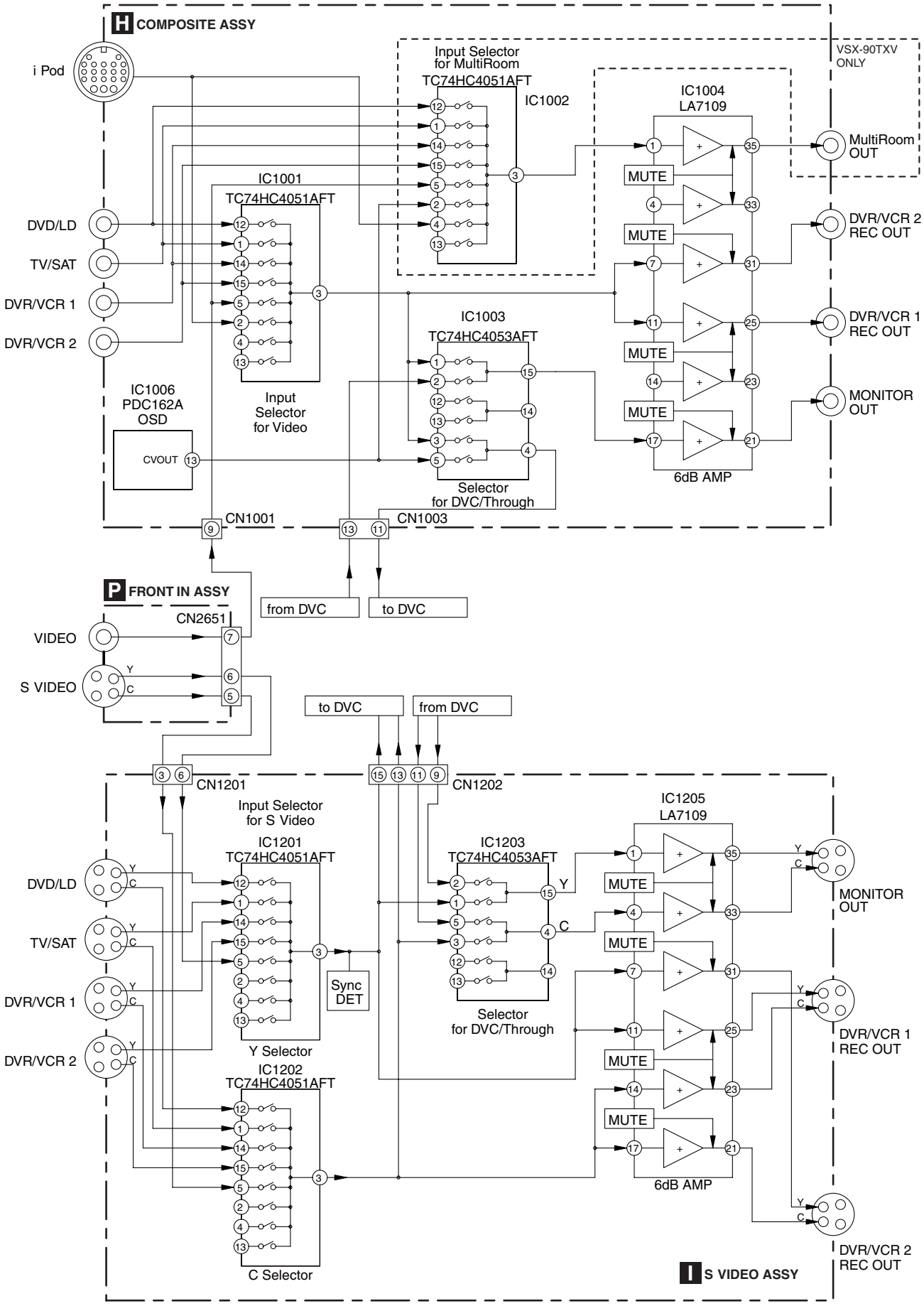


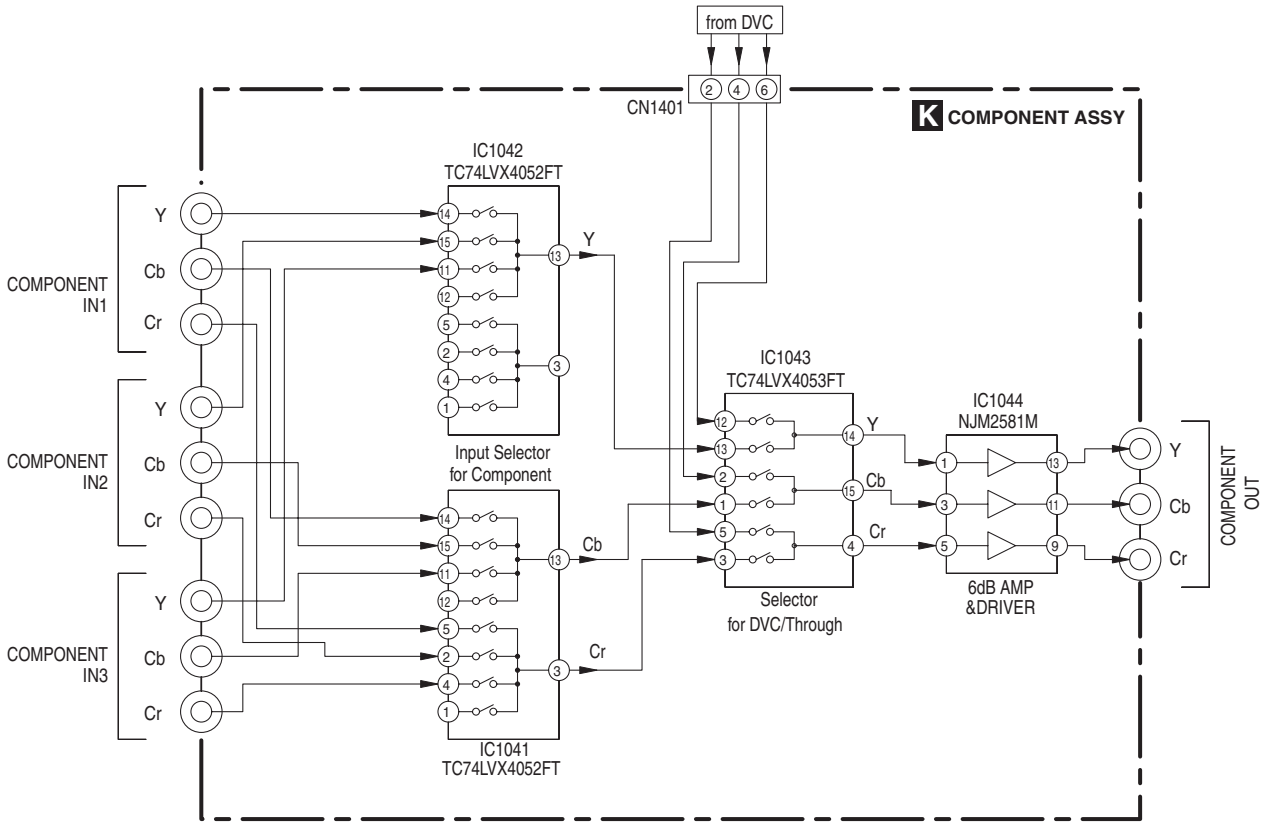
4.2 BLOCK DIAGRAM for AUDIO BLOCK




Y TRANS SIDE ASSY
O HEADPHONE ASSY
J3201
HPL
CN2851
JA2851
PHONES
CN3203
HPL
J3009
W PS/SP ASSY
RY3001
RY3002
RY3003
RY3004
RY3005
CN3001
CN3002
CN3003
CN3005
L
R
C
SL
SR
SBL
SBR
SPEAKERS
FDTO
SDTO
CDTO
BDTO
IC701
AK4628AVQ
8ch
CODEC
SBLO
CO
SWO
SLO
FLO
LIN
CN701
CN501
AOUTL
FL
SL
SW
C
SBL
AD POWER AMP L ASSY
Q5004,Q5005
2SA1145,2SC2705
IC5001,IC5002
SAP17N,SAP17P
Voltage Amp
Current Amp
Y1(1/2)
Q5104,Q5105
2SA1145,2SC2705
IC5101,IC5102
SAP17N,SAP17P
Y3(1/2)
Q5204,Q2005
2SA1145,2SC2705
IC5201,IC5202
SAP17N,SAP17P
Y3(2/2)
CN5601
CN5001
CN5003
CN5605
IC5601
SAP17N
CE
Y1(2/2)
CG1
Q5604,Q5605
2SA1145,2SC2705
CN5603
AG POWER AMP R ASSY
IC5602
SAP17P
CN5606
CN5303
AI POWER AMP IN ASSY
CN1406
CN2901
CN2902
CN1405
LOUT
SLOUT
SWOUT
COUT
SBLOUT
CN1501(1/2)
CN1502(1/2)
CN1501(2/2)
CN1502(2/2)
PRE OUT
J BRIDGE 2 ASSY
K COMPONENT ASSY

4.3 BLOCK DIAGRAM for VIDEO BLOCK




from DVC
CN1401
K COMPONENT ASSY
IC1042
TC74LVX4052FT
IC1043
TC74LVX4053FT
IC1044
NJM2581M
Input Selector
for Component
Selector
for DVC/Through
6dB AMP
&DRIVER
IC1041
TC74LVX4052FT
COMPONENT
IN1
COMPONENT
IN2
COMPONENT
IN3
COMPONENT
OUT
Y
Cb
Cr

5. DIAGNOSIS

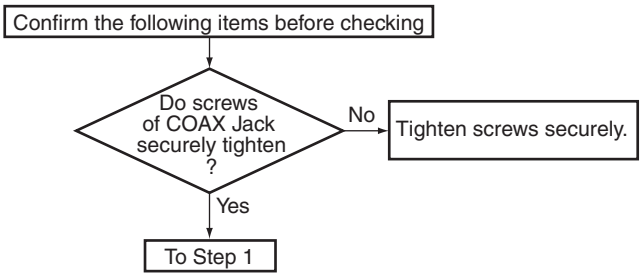
5.1 DIAGNOSIS FLOWCHART

5.1.1 DSP TROUBLESHOOTING

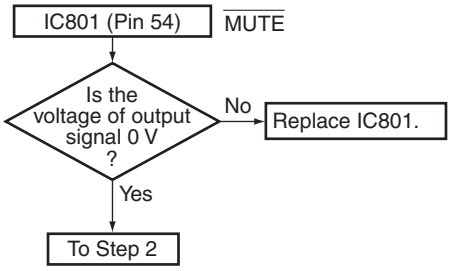
■ Troubleshooting for all destination

- When a sound is not out in the multi-CH signal playback mode or surround mode with the digital signal input. (SurroundBack is not output by setting.)
- Suppose CR to be poor contact and that is not damaged.
- This shows failure analysis of DSP Assy.

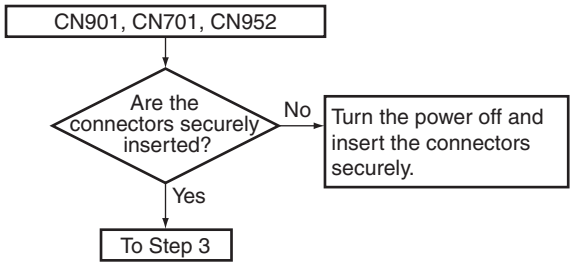
Step 0: Preliminary confirmation



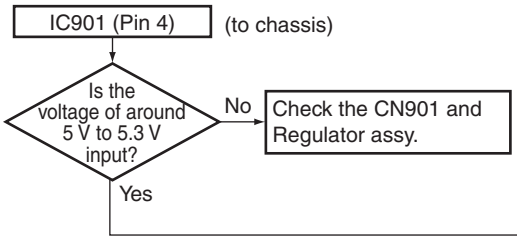
Step 1: MUTE pin

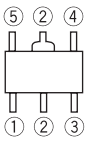


Step 2: BtoB connector

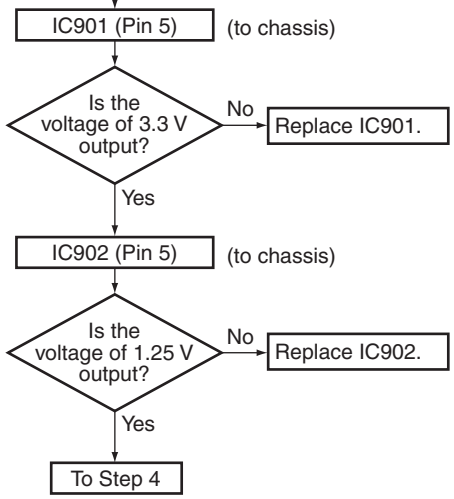


Step 3: Regulator IC

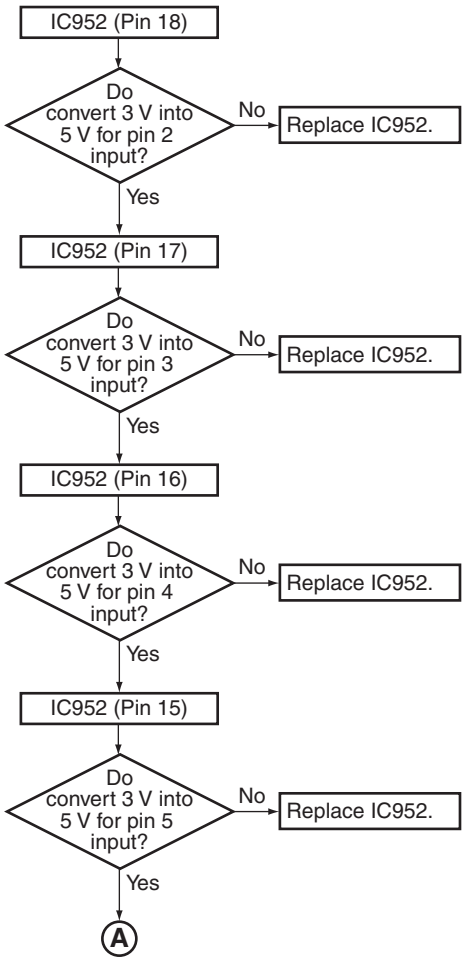


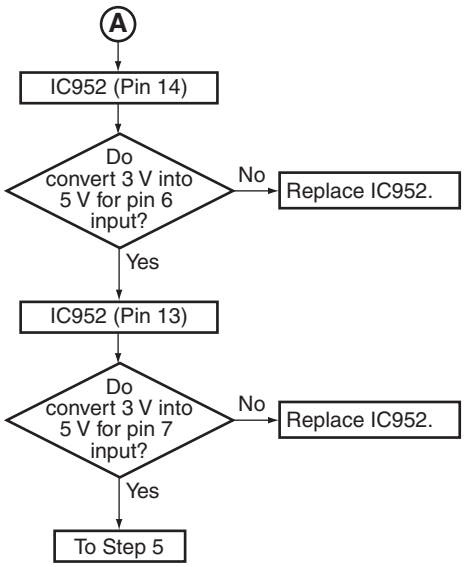


Part shape and Pin arrangement of IC901 and IC902

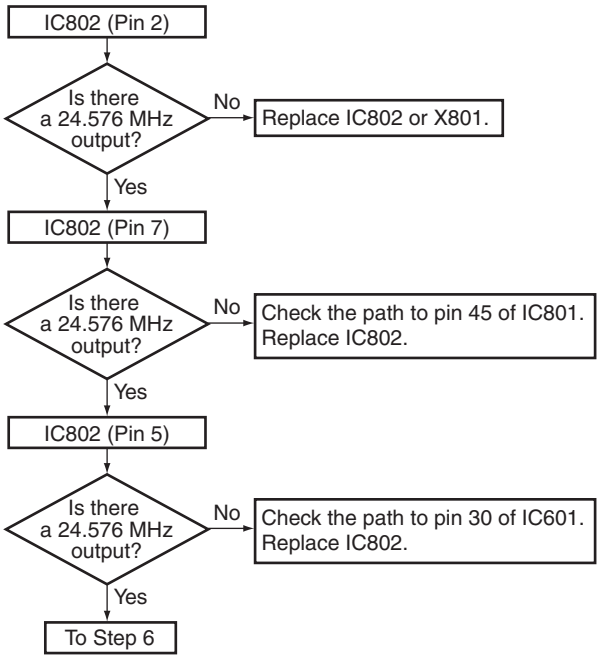


Step 4: 3 V to 5 V conversion



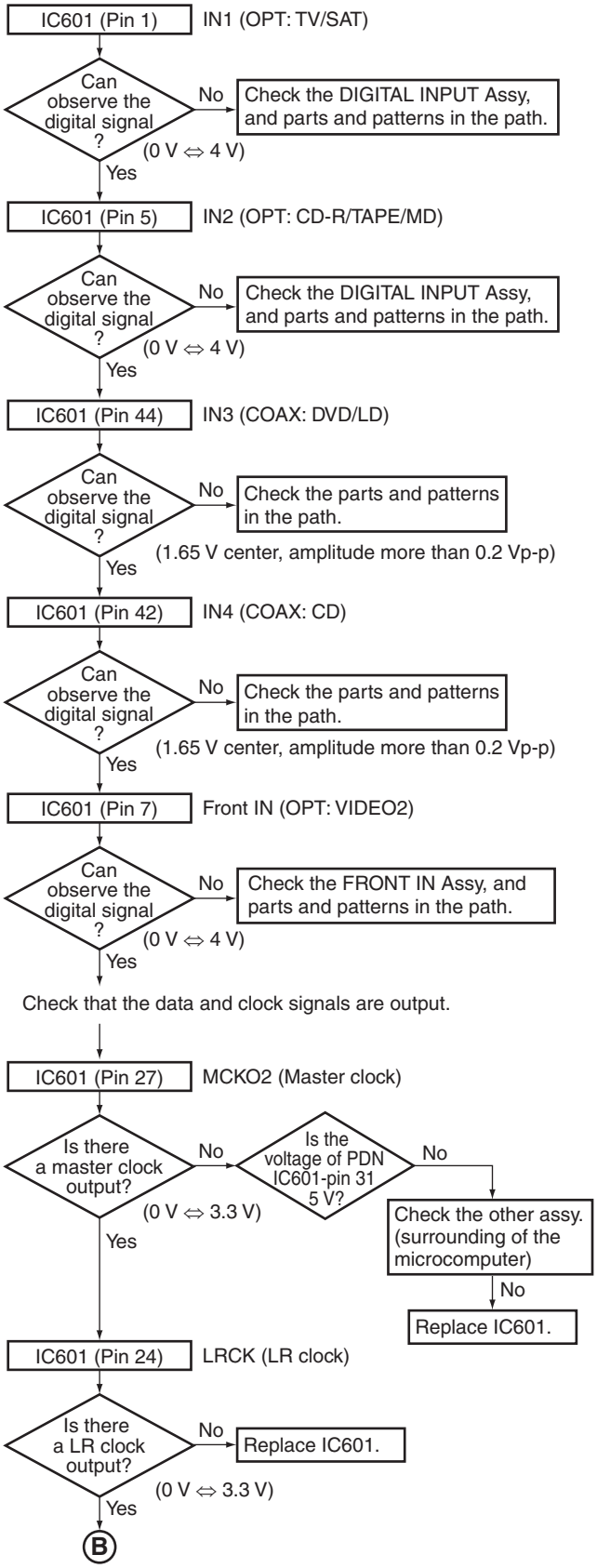


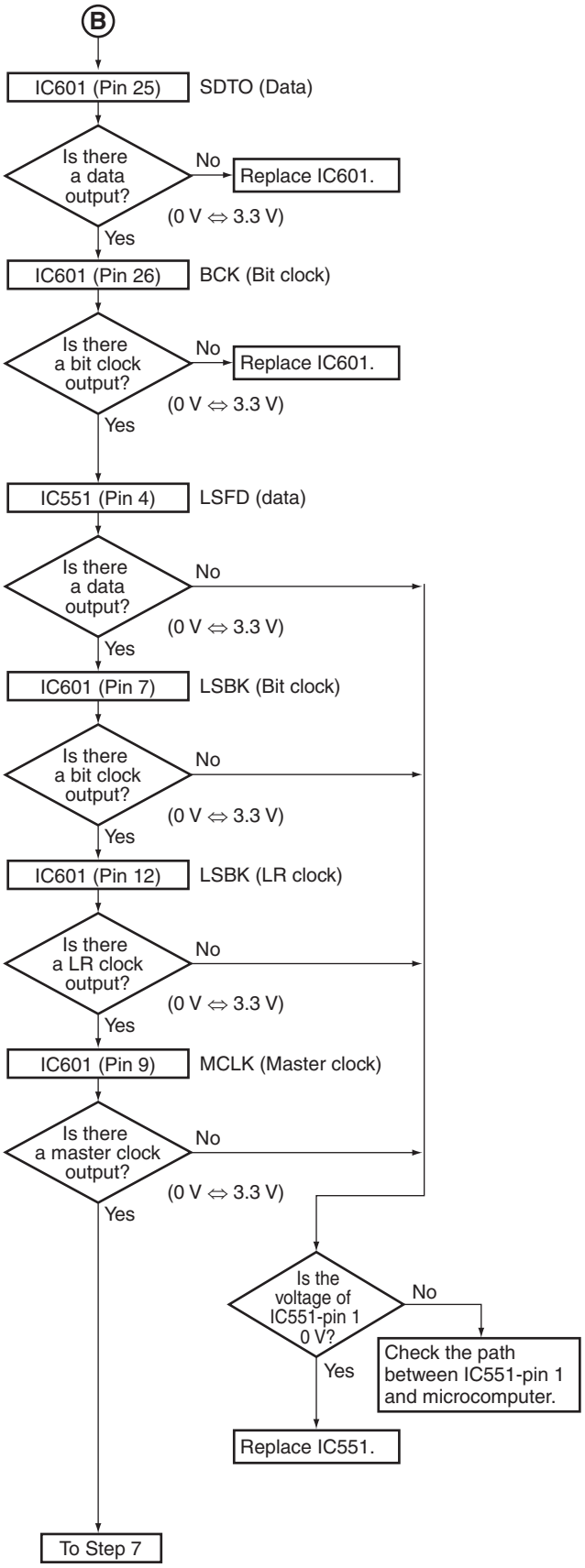
Step 5: X'tal



Step 6: DIR

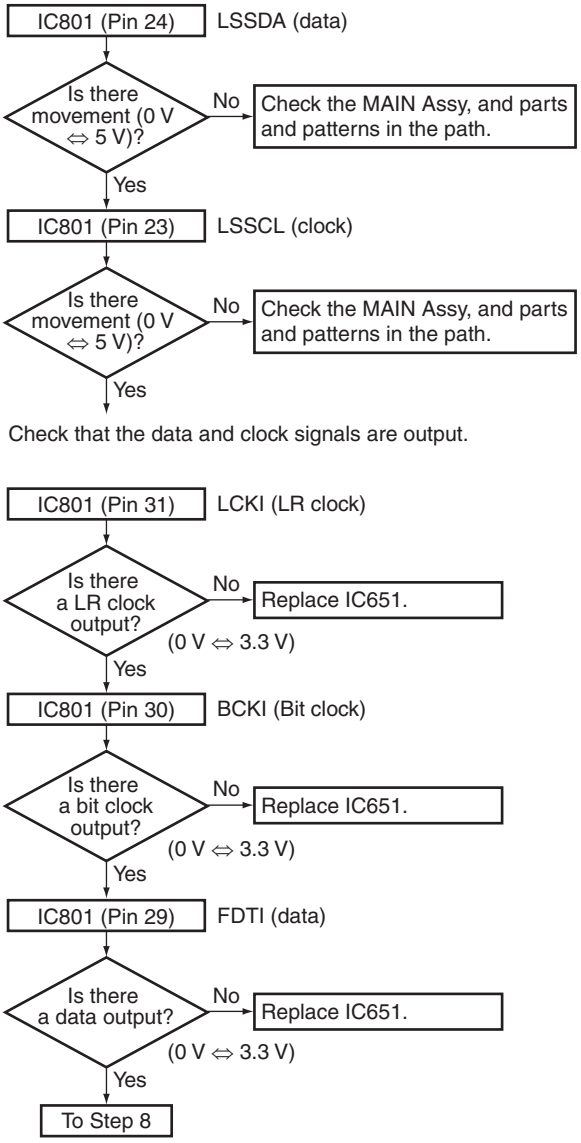
Check that the SPDIF signal is output.
Check that changes by pulling out and inserting the digital input lines.





Step 7: LIPSYNC

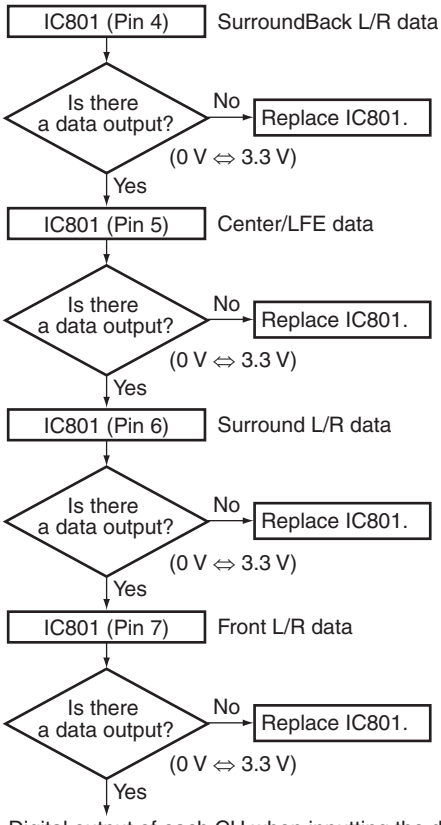
Control waveform when the amount of delay is changed.



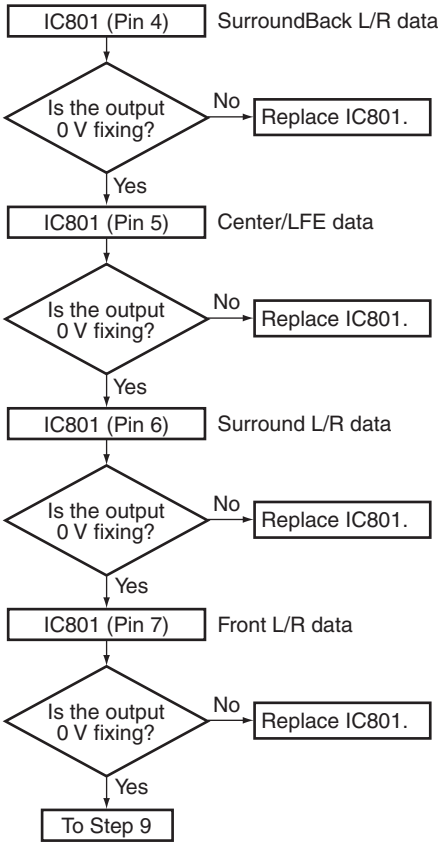
Check that the data and clock signals are output.

Step 8: DSP output (digital)

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

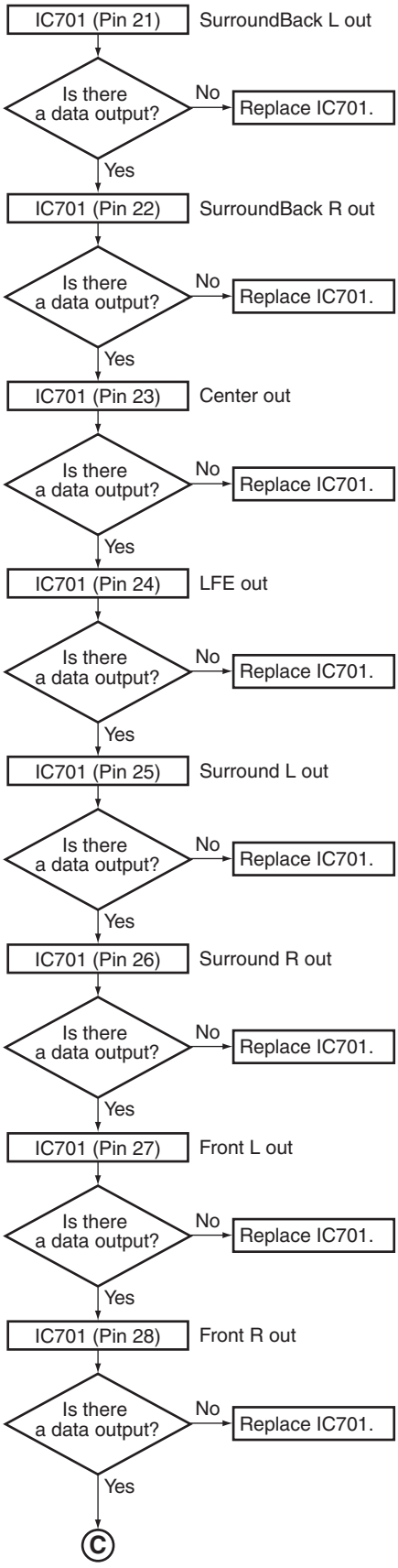


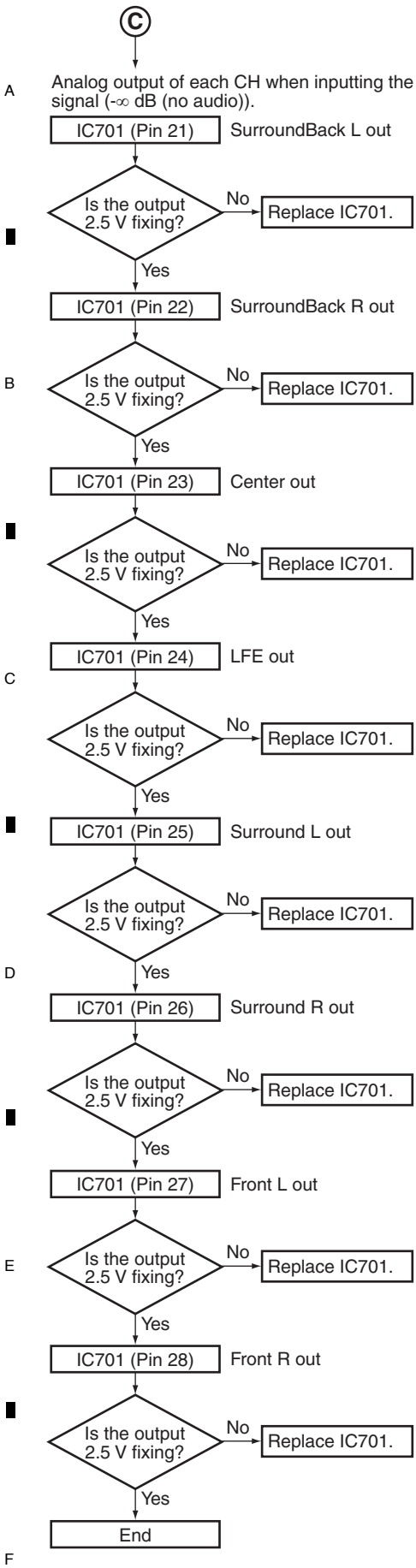
Digital output of each CH when inputting the digital signal (-∞ dB (no audio)).



Step 9: Codec output (analog)

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

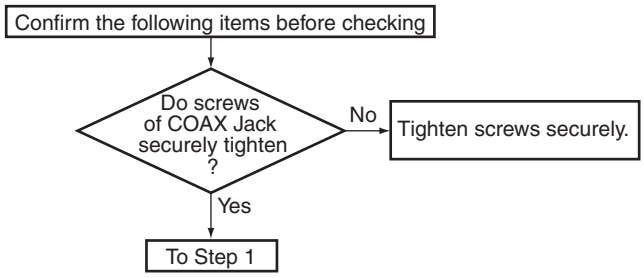



C
Analog output of each CH when inputting the digital signal (-∞ dB (no audio)).
IC701 (Pin 21)
SurroundBack L out
Is the output 2.5 V fixing?
No
Replace IC701.
Yes
IC701 (Pin 22)
SurroundBack R out
Is the output 2.5 V fixing?
No
Replace IC701.
Yes
IC701 (Pin 23)
Center out
Is the output 2.5 V fixing?
No
Replace IC701.
Yes
IC701 (Pin 24)
LFE out
Is the output 2.5 V fixing?
No
Replace IC701.
Yes
IC701 (Pin 25)
Surround L out
Is the output 2.5 V fixing?
No
Replace IC701.
Yes
IC701 (Pin 26)
Surround R out
Is the output 2.5 V fixing?
No
Replace IC701.
Yes
IC701 (Pin 27)
Front L out
Is the output 2.5 V fixing?
No
Replace IC701.
Yes
IC701 (Pin 28)
Front R out
Is the output 2.5 V fixing?
No
Replace IC701.
Yes
End

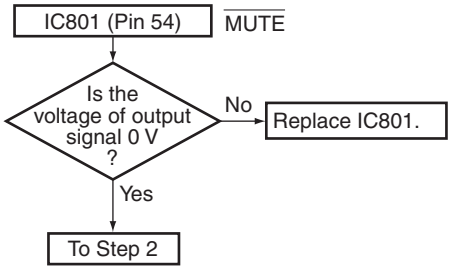
■ Troubleshooting in the XM mode (AWX8805 only)

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

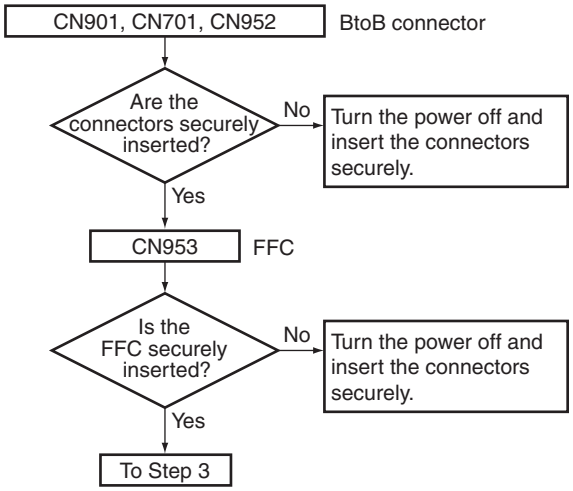
Step 0: Preliminary confirmation



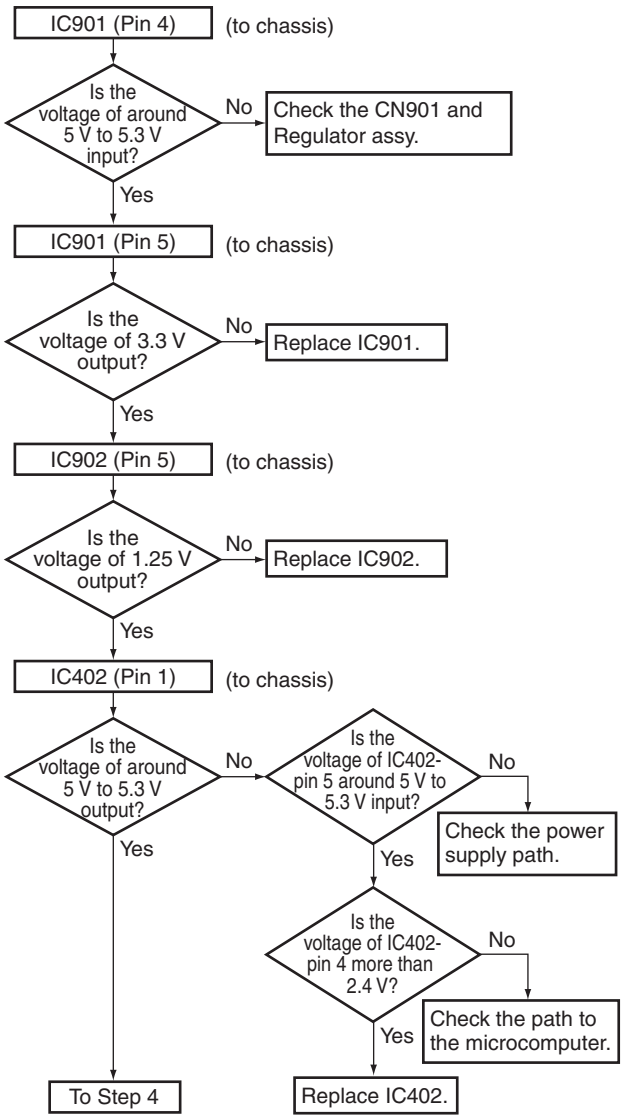
Step 1: MUTE pin

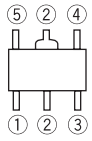


Step 2: BtoB connector and FFC



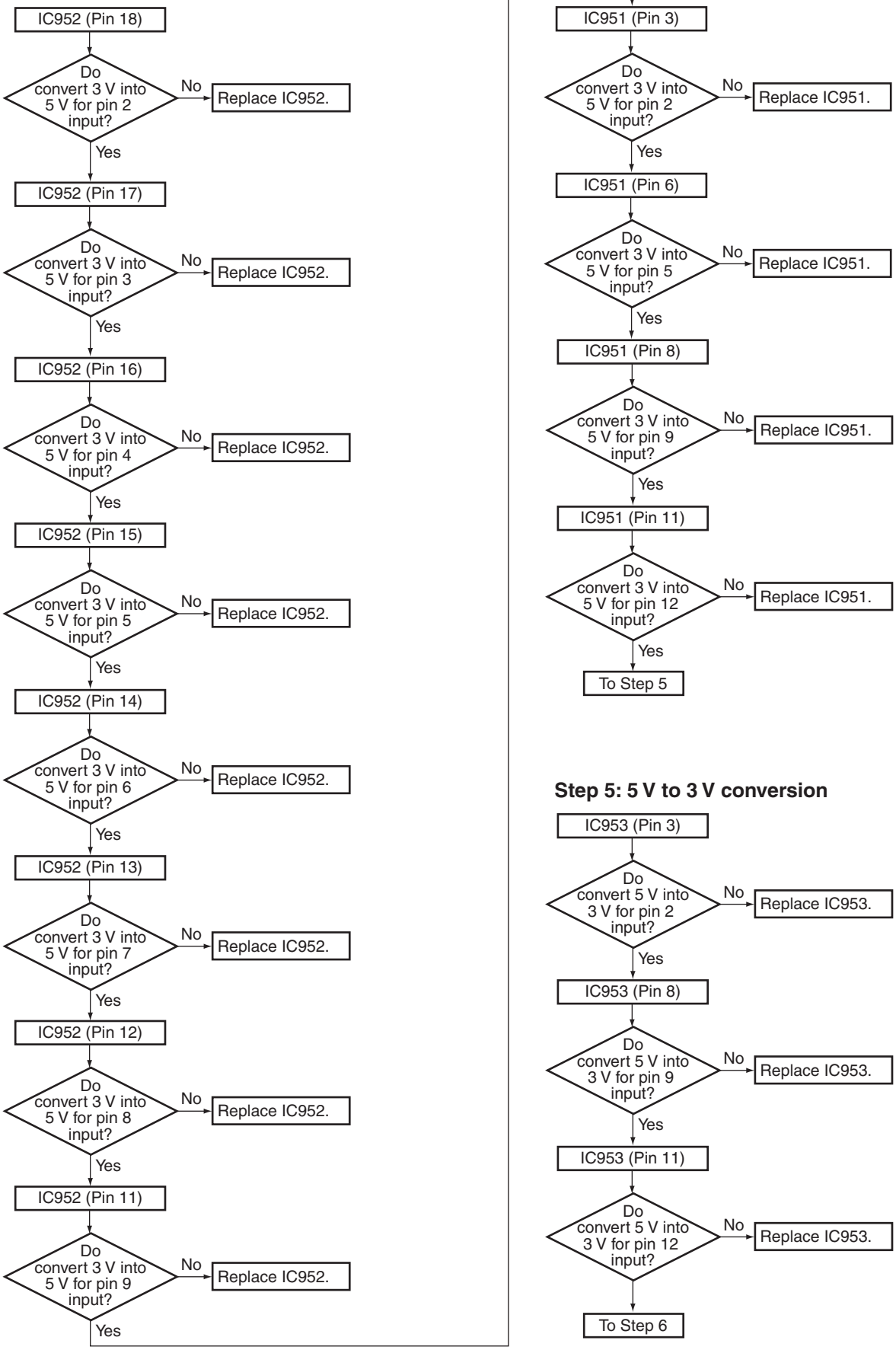
Step 3: Regulator IC





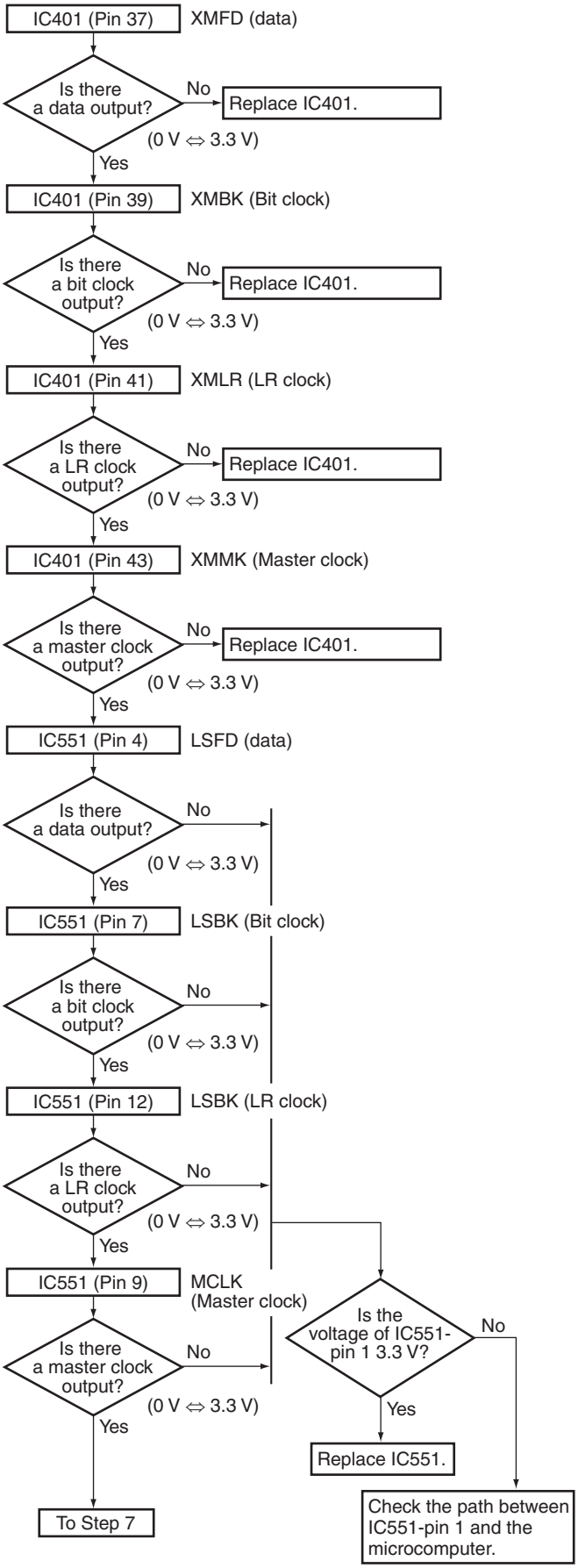
Part shape and Pin arrangement of IC901 and IC902

Step 4: 3 V to 5 V conversion



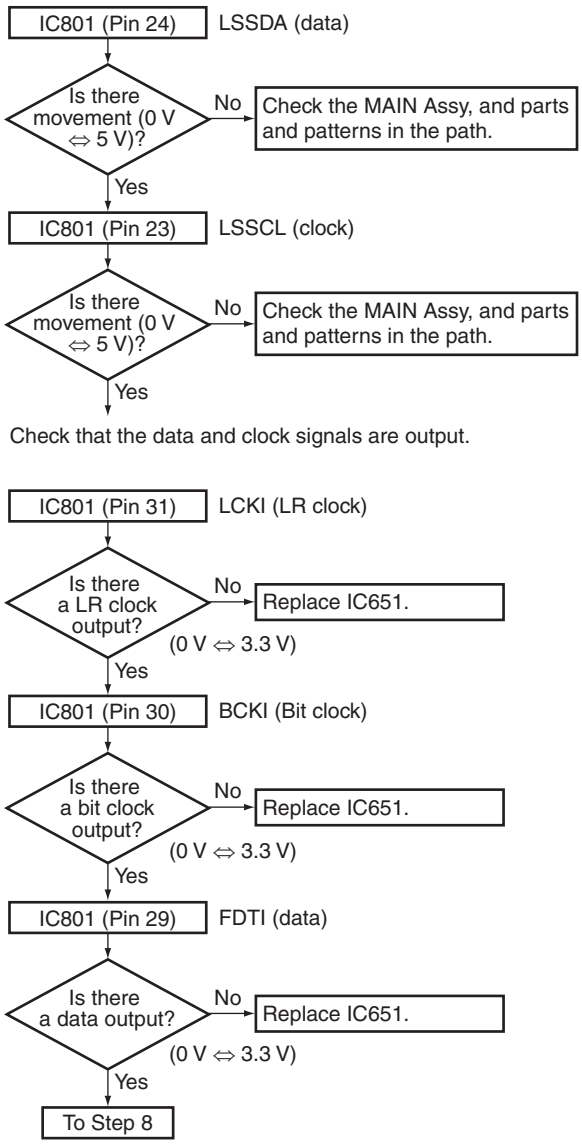
Step 5: 5 V to 3 V conversion

Step 6: XM/DT



Step 7: LIPSYNC

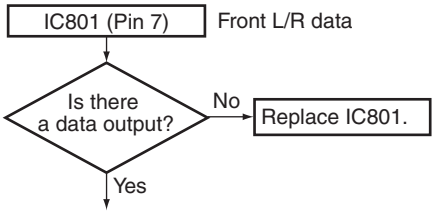
Control waveform when the amount of delay is changed.



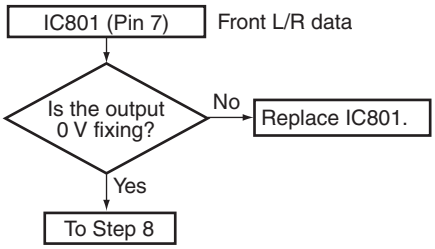
Check that the data and clock signals are output.

Step 8: DSP output (digital)

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



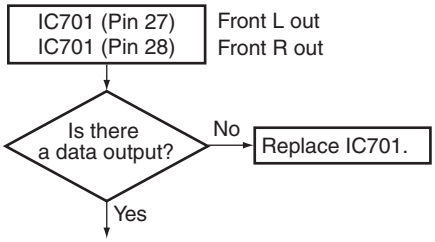
Digital output of each CH when not receiving the broadcast signal (-∞ dB (no audio)).



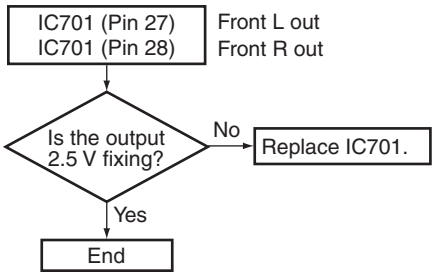
Note:
When confirm the output in the XM surround system, refer to step 7 of "Troubleshooting for all destination".

Step 9: 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)).

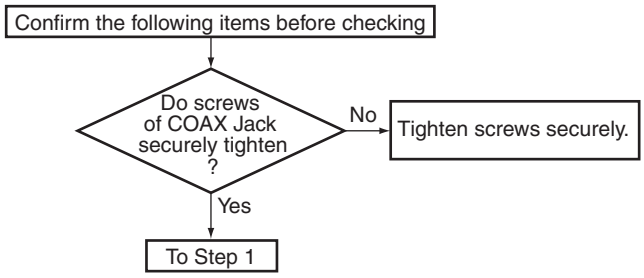


Note:
When confirm the output in the XM surround system, refer to step 8 of "Troubleshooting for all destination".

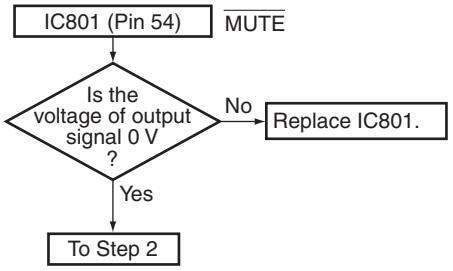
■ Troubleshooting in the MCACC mode

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

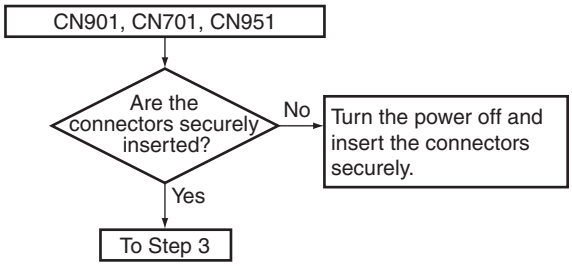
Step 0: Preliminary confirmation



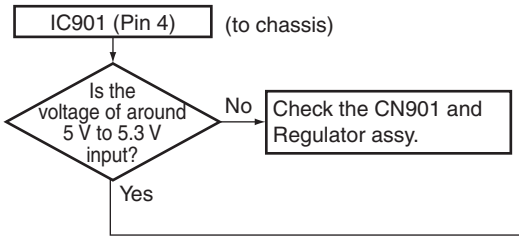
Step 1: MUTE pin

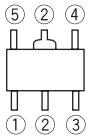


Step 2: BtoB connector

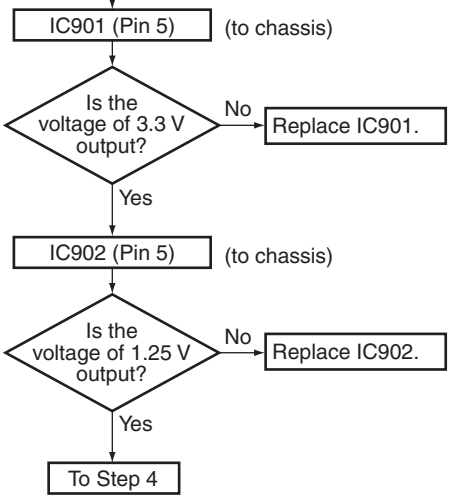


Step 3: Regulator IC

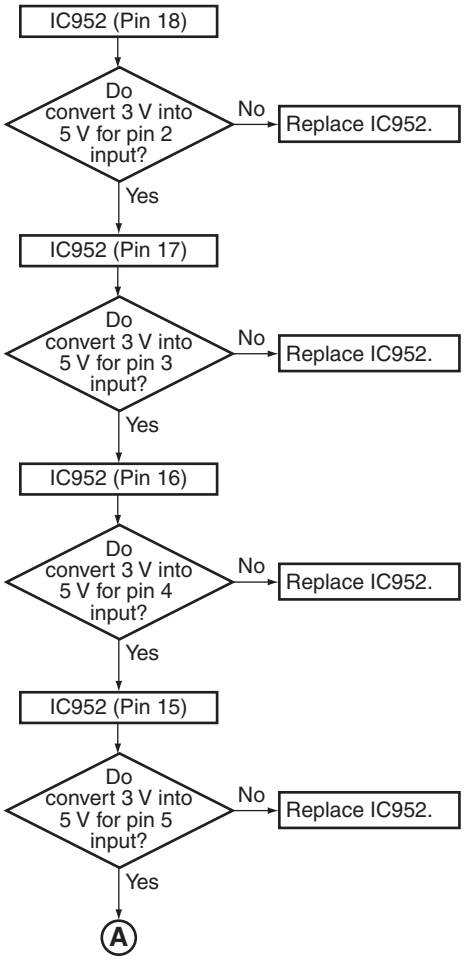


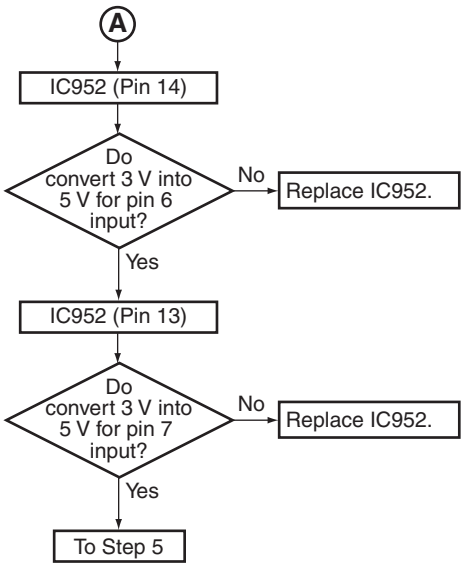


Part shape and Pin arrangement of IC901 and IC902

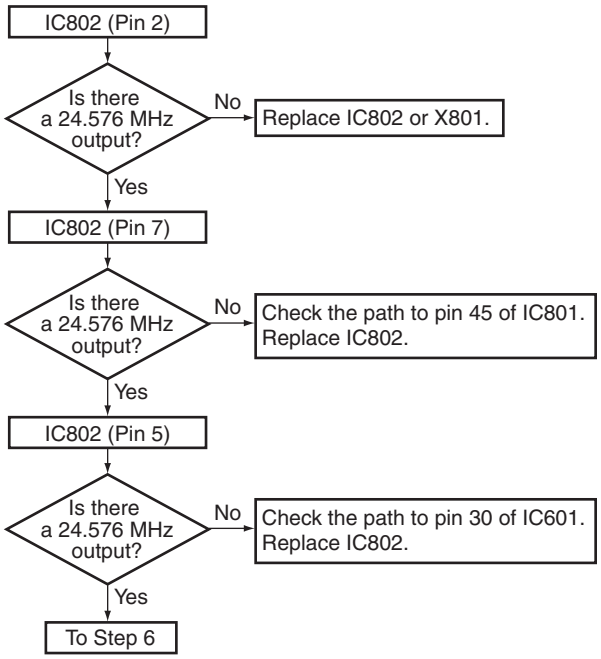


Step 4: 3 V to 5 V conversion

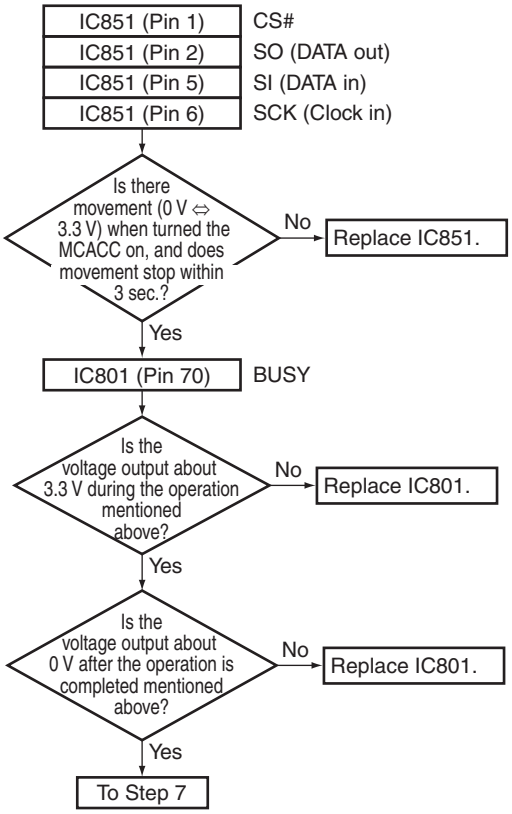




Step 5: X'tal

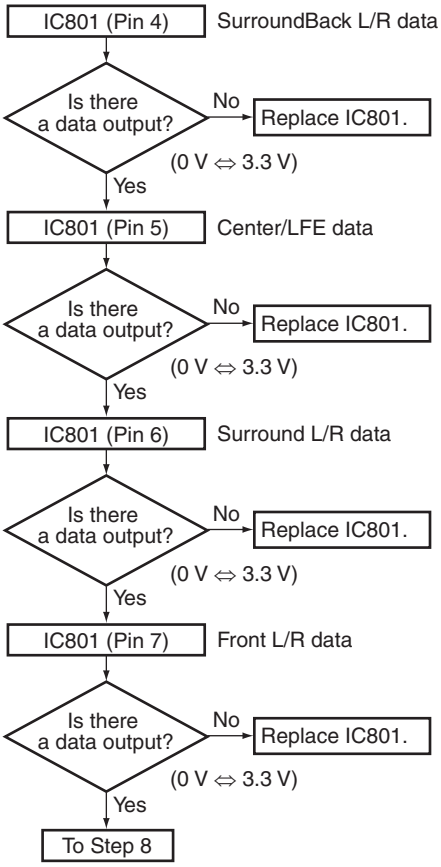


Step 6: ROM



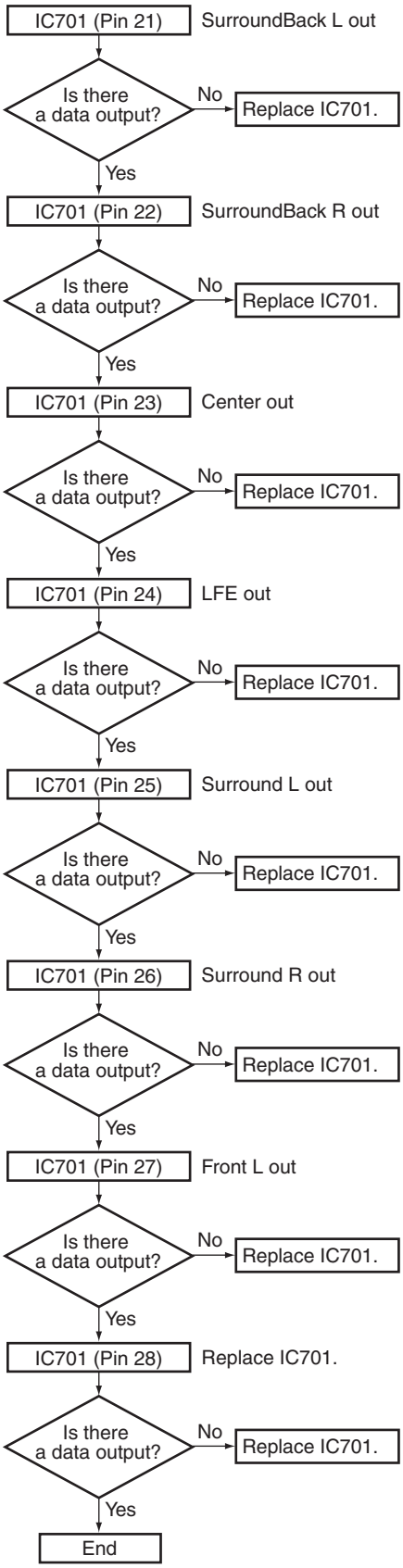
Step 7: DSP output (digital)

Digital output when indicated each CH.



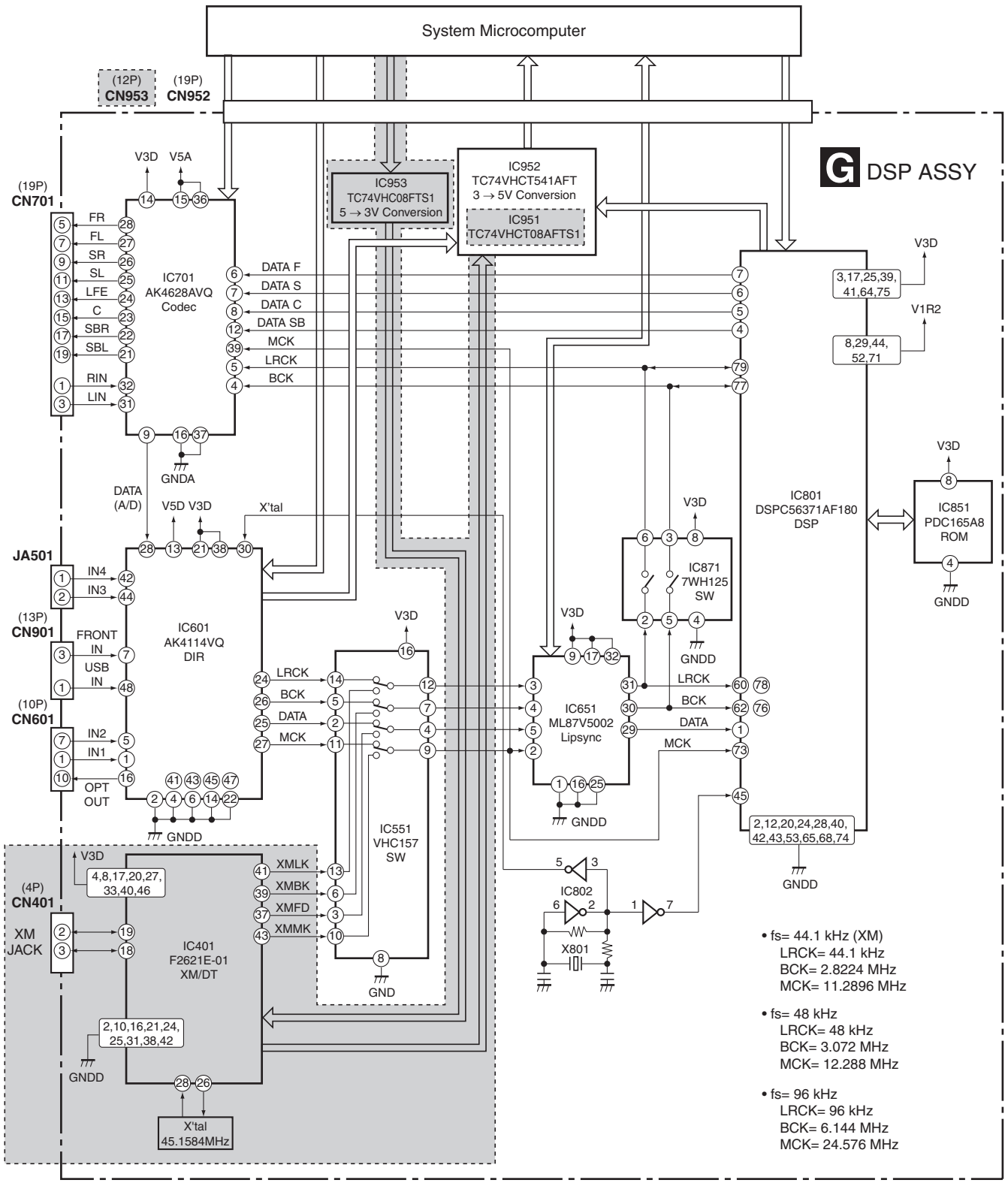
Step 8: CODEC output (analog)

Analog output when indicated each CH.



• DSP Block Diagram

• : AWX8805 / KU only



5.1.2 HDMI TROUBLESHOOTING

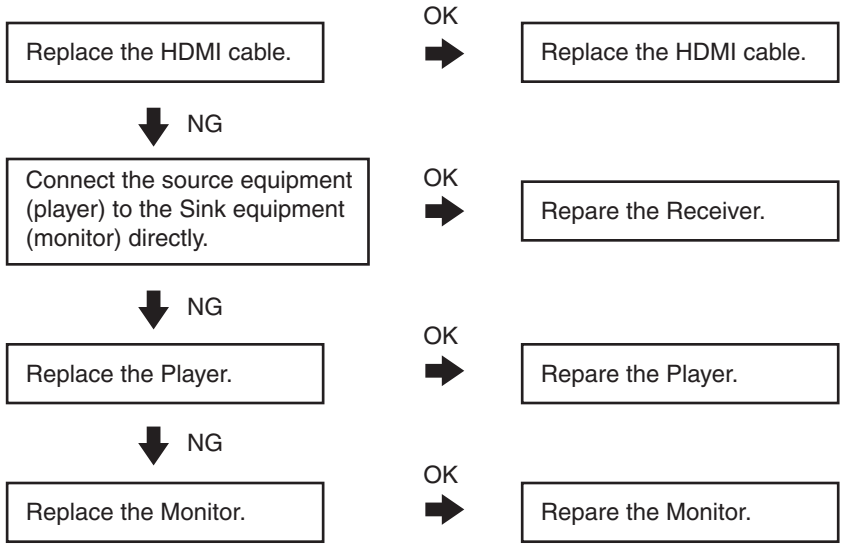
■ HDMI Simple Diagnosis

Please refer to the one point trouble shooting first before checking the flow chart on the next page.

HDMI

Symptom	Remedy
No picture or sound.	• If the problem still persists when connecting your HDMI component directly to your monitor, please consult the component or monitor manual or contact the manufacturer for support.
No picture.	• Depending in the output settings of the source component, it may be outputting a video format that can't be displayed. Change the output settings of the source, or connect using the component, S video or composite jacks.
No sound, or sound suddenly ceases.	• Since the HDMI audio signal is sent through this receiver to your TV, you need to make separate connections for audio if you want to hear your HDMI component through this system. • If you've made separate connections for audio, make sure you have assigned the analog/digital jack(s) to the corresponding HDMI input for the component. • Check the audio output settings of the source component.

Causes for no display or sound from the monitor



■ HDMI Troubleshooting

• The parts marked like **V+5** in the following chart are located in "HDMI &DVC Assy Check Points".

Common section

Step 1-1: Connections

CN1001, CN1002 **A** **a**

Are BtoB connectors inserted securely? — No → Insert it securely.

Yes

CN1003 **B**

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

Yes

Step 1-2: Power supply

C1002+ 5 V **V+5**

Is the voltage 5 V? — No → Diagnose between the AUDIO IN Assy and DC/DC assy.

Yes

C903+ 3.3 V **V+3R3**

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

Yes

To Step 2-1: HDMI section
To Step 3-1: Video converter section

HDMI section

Step 2-1: CE

CN1001 (Pin 5) CE **A**

Is the voltage "H" (5 V)? — No → Diagnose between the BRIDGE 1-L Assy and MAIN Assy.

Yes

Step 2-2: Power supply

CN1003 (Pin 1) 7 V **V+7**

Is the voltage 7 V? — No → Diagnose between the AUDIO IN Assy and DC/DC assy.

Yes

IC911 (Pin 5) 5 V **V+5HD**

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

Yes

L1001 5 V **V+5D**

Is the voltage 5 V? — No → Check the L1001. If L1001 is failure, replace L1001.

Yes

L101 3.3 V (IC101) **3.3V_EQ**

Is the voltage 3.3 V? — No → Check the L101 and Q101. If L101 or Q101 is failure, replace L101 or Q101.

Yes

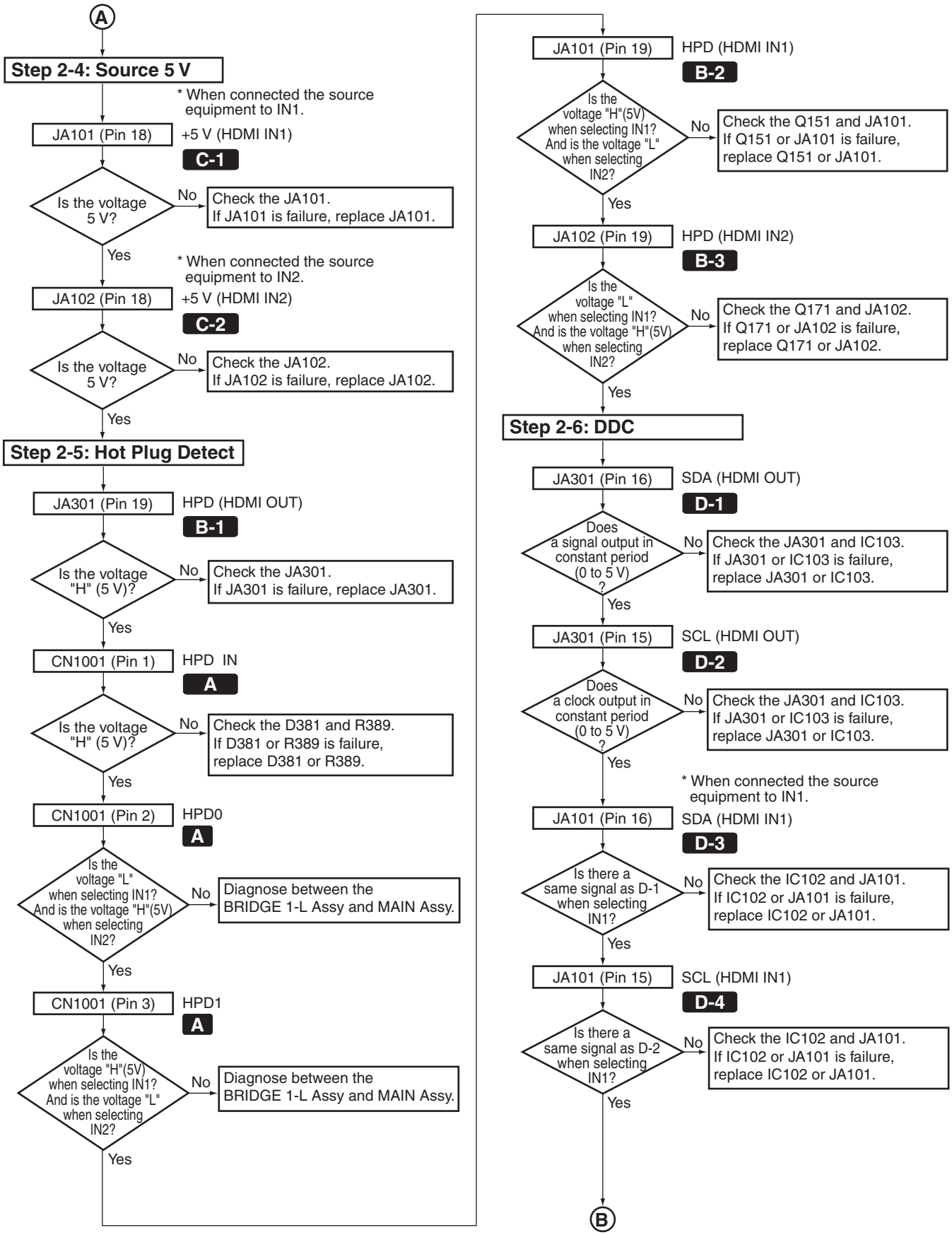
Step 2-3: SEL

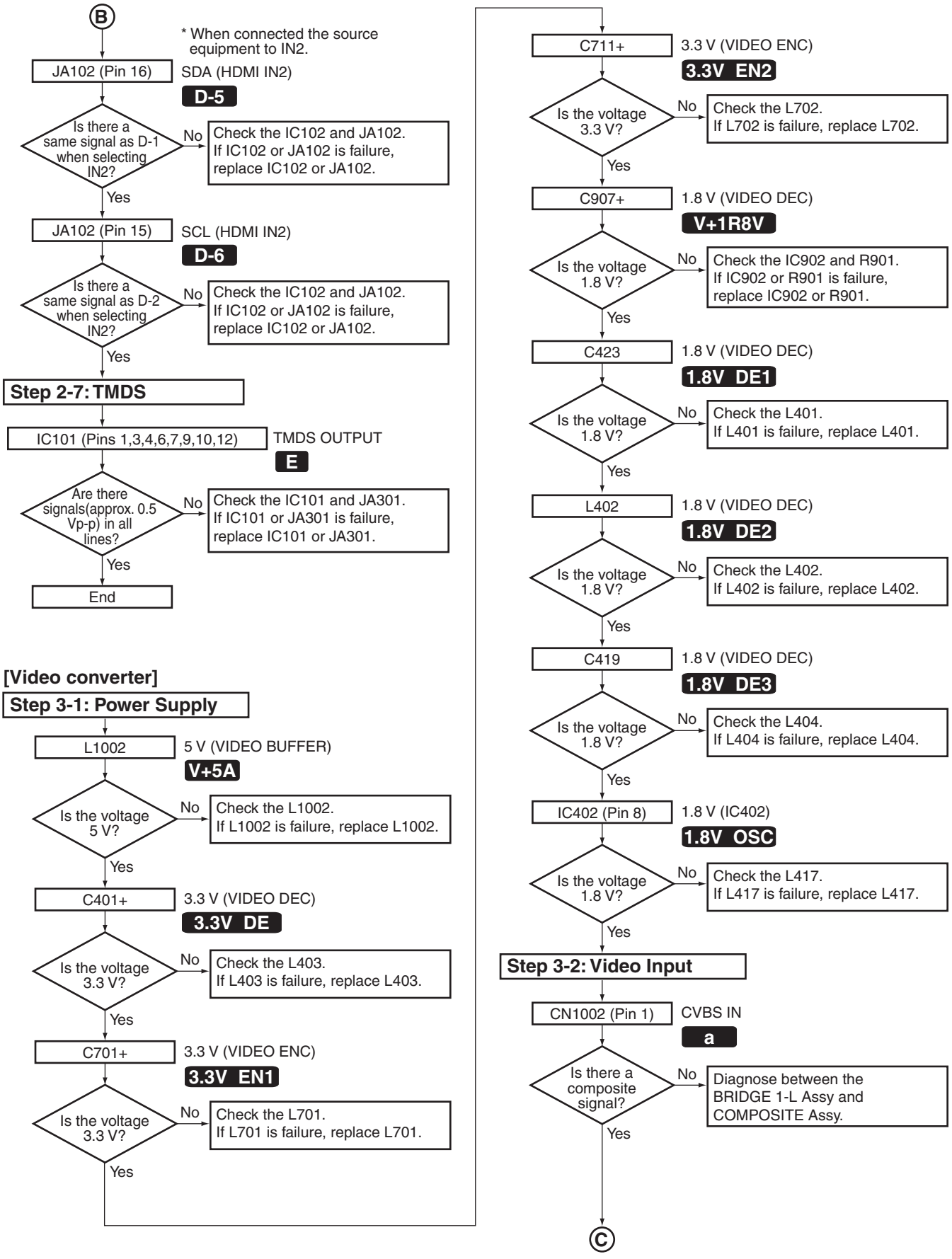
CN1001 (Pin 4) SEL **A**

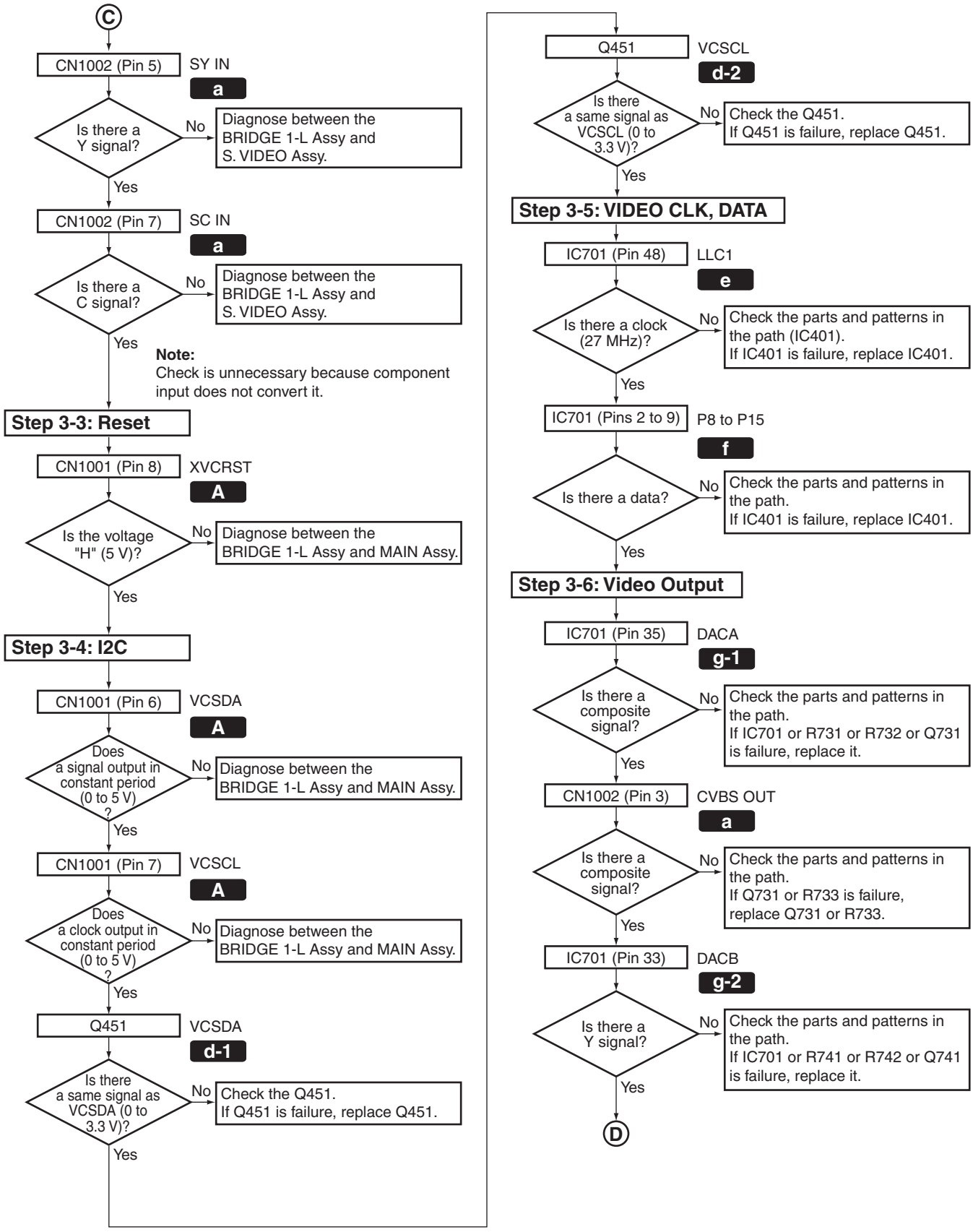
Is the voltage "H"(5V) when selecting IN1? And is the voltage "L" when selecting IN2? — No → Diagnose between the BRIDGE 1-L Assy and MAIN Assy.

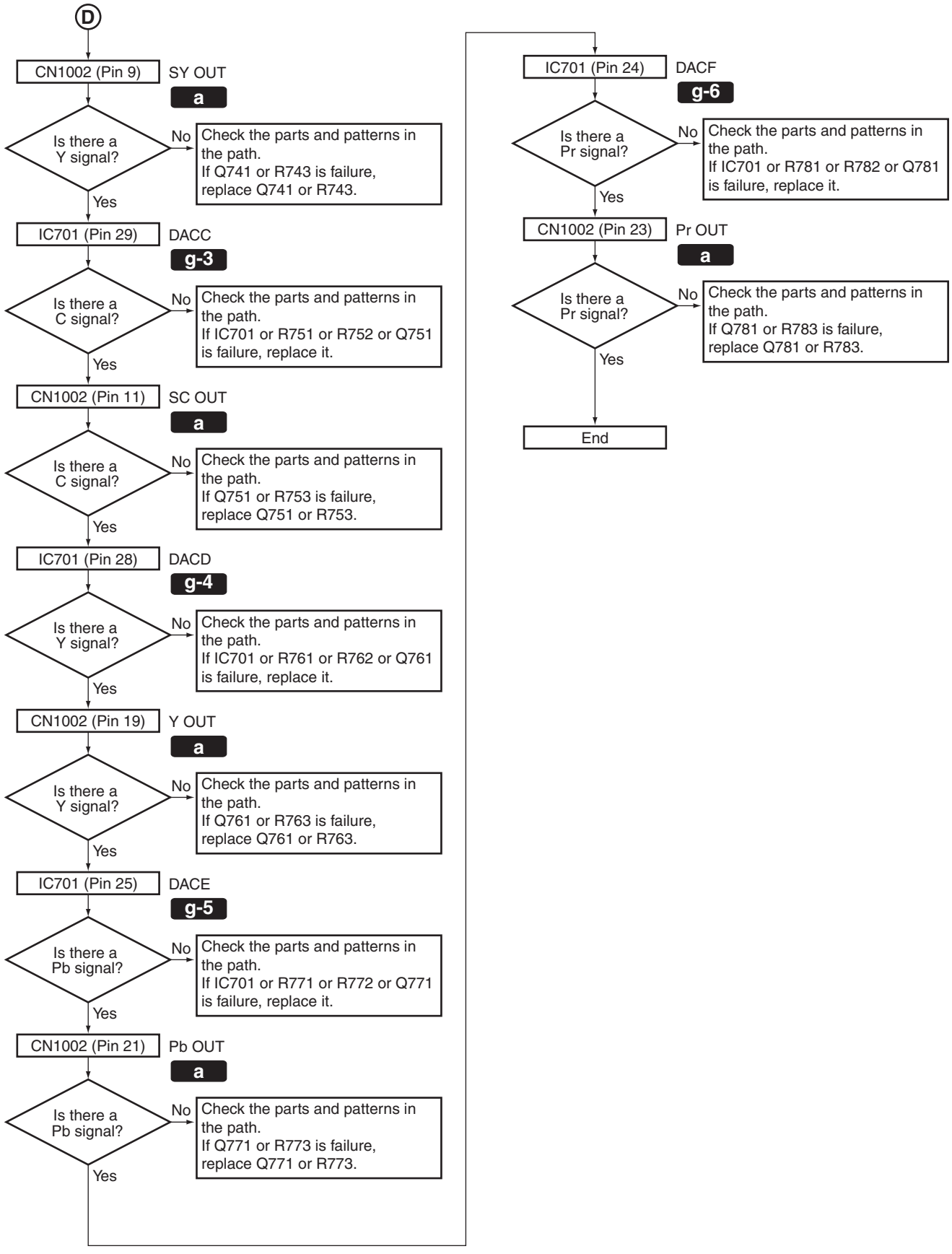
Yes

Ⓐ


A
Step 2-4: Source 5 V
* When connected the source equipment to IN1.
JA101 (Pin 18)
+5 V (HDMI IN1)
C-1
Is the voltage 5 V?
No
Check the JA101.
If JA101 is failure, replace JA101.
Yes
* When connected the source equipment to IN2.
JA102 (Pin 18)
+5 V (HDMI IN2)
C-2
Is the voltage 5 V?
No
Check the JA102.
If JA102 is failure, replace JA102.
Yes
Step 2-5: Hot Plug Detect
JA301 (Pin 19)
HPD (HDMI OUT)
B-1
Is the voltage "H" (5 V)?
No
Check the JA301.
If JA301 is failure, replace JA301.
Yes
CN1001 (Pin 1)
HPD IN
A
Is the voltage "H" (5 V)?
No
Check the D381 and R389.
If D381 or R389 is failure, replace D381 or R389.
Yes
CN1001 (Pin 2)
HPD0
A
Is the voltage "L" when selecting IN1? And is the voltage "H"(5V) when selecting IN2?
No
Diagnose between the BRIDGE 1-L Assy and MAIN Assy.
Yes
CN1001 (Pin 3)
HPD1
A
Is the voltage "H"(5V) when selecting IN1? And is the voltage "L" when selecting IN2?
No
Diagnose between the BRIDGE 1-L Assy and MAIN Assy.
Yes
JA101 (Pin 19)
HPD (HDMI IN1)
B-2
Is the voltage "H"(5V) when selecting IN1? And is the voltage "L" when selecting IN2?
No
Check the Q151 and JA101.
If Q151 or JA101 is failure, replace Q151 or JA101.
Yes
JA102 (Pin 19)
HPD (HDMI IN2)
B-3
Is the voltage "L" when selecting IN1? And is the voltage "H"(5V) when selecting IN2?
No
Check the Q171 and JA102.
If Q171 or JA102 is failure, replace Q171 or JA102.
Yes
Step 2-6: DDC
JA301 (Pin 16)
SDA (HDMI OUT)
D-1
Does a signal output in constant period (0 to 5 V) ?
No
Check the JA301 and IC103.
If JA301 or IC103 is failure, replace JA301 or IC103.
Yes
JA301 (Pin 15)
SCL (HDMI OUT)
D-2
Does a clock output in constant period (0 to 5 V) ?
No
Check the JA301 and IC103.
If JA301 or IC103 is failure, replace JA301 or IC103.
Yes
* When connected the source equipment to IN1.
JA101 (Pin 16)
SDA (HDMI IN1)
D-3
Is there a same signal as D-1 when selecting IN1?
No
Check the IC102 and JA101.
If IC102 or JA101 is failure, replace IC102 or JA101.
Yes
JA101 (Pin 15)
SCL (HDMI IN1)
D-4
Is there a same signal as D-2 when selecting IN1?
No
Check the IC102 and JA101.
If IC102 or JA101 is failure, replace IC102 or JA101.
Yes
B

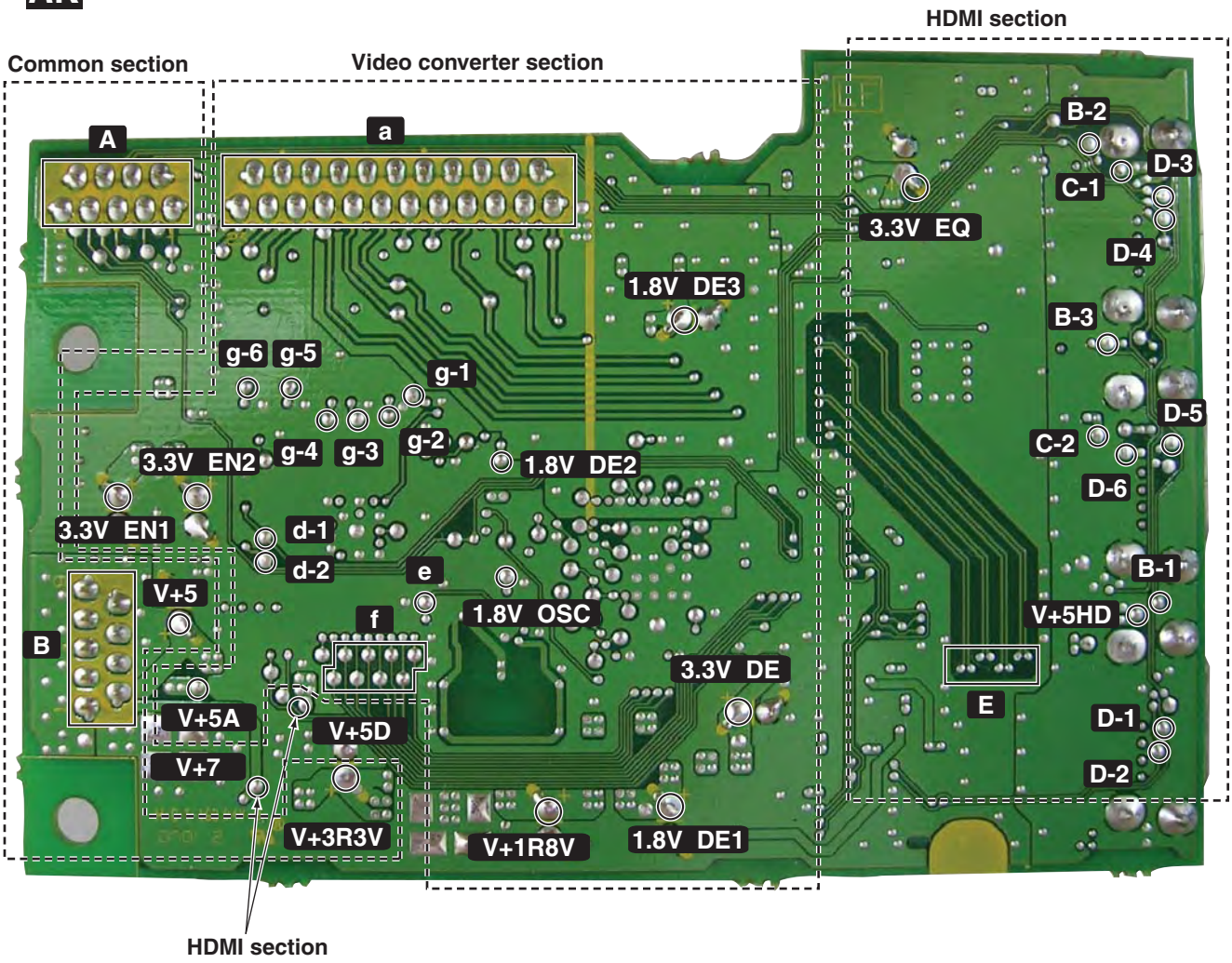

B
* When connected the source equipment to IN2.
JA102 (Pin 16)
SDA (HDMI IN2)
D-5
Is there a same signal as D-1 when selecting IN2?
No
Check the IC102 and JA102. If IC102 or JA102 is failure, replace IC102 or JA102.
Yes
JA102 (Pin 15)
SCL (HDMI IN2)
D-6
Is there a same signal as D-2 when selecting IN2?
No
Check the IC102 and JA102. If IC102 or JA102 is failure, replace IC102 or JA102.
Yes
Step 2-7: TMDS
IC101 (Pins 1,3,4,6,7,9,10,12)
TMDS OUTPUT
E
Are there signals(approx. 0.5 Vp-p) in all lines?
No
Check the IC101 and JA301. If IC101 or JA301 is failure, replace IC101 or JA301.
Yes
End
[Video converter]
Step 3-1: Power Supply
L1002
5 V (VIDEO BUFFER)
V+5A
Is the voltage 5 V?
No
Check the L1002. If L1002 is failure, replace L1002.
Yes
C401+
3.3 V (VIDEO DEC)
3.3V DE
Is the voltage 3.3 V?
No
Check the L403. If L403 is failure, replace L403.
Yes
C701+
3.3 V (VIDEO ENC)
3.3V EN1
Is the voltage 3.3 V?
No
Check the L701. If L701 is failure, replace L701.
Yes
C711+
3.3 V (VIDEO ENC)
3.3V EN2
Is the voltage 3.3 V?
No
Check the L702. If L702 is failure, replace L702.
Yes
C907+
1.8 V (VIDEO DEC)
V+1R8V
Is the voltage 1.8 V?
No
Check the IC902 and R901. If IC902 or R901 is failure, replace IC902 or R901.
Yes
C423
1.8 V (VIDEO DEC)
1.8V DE1
Is the voltage 1.8 V?
No
Check the L401. If L401 is failure, replace L401.
Yes
L402
1.8 V (VIDEO DEC)
1.8V DE2
Is the voltage 1.8 V?
No
Check the L402. If L402 is failure, replace L402.
Yes
C419
1.8 V (VIDEO DEC)
1.8V DE3
Is the voltage 1.8 V?
No
Check the L404. If L404 is failure, replace L404.
Yes
IC402 (Pin 8)
1.8 V (IC402)
1.8V OSC
Is the voltage 1.8 V?
No
Check the L417. If L417 is failure, replace L417.
Yes
Step 3-2: Video Input
CN1002 (Pin 1)
CVBS IN
a
Is there a composite signal?
No
Diagnose between the BRIDGE 1-L Assy and COMPOSITE Assy.
Yes
C


C
CN1002 (Pin 5)
SY IN
a
Is there a Y signal?
No
Diagnose between the BRIDGE 1-L Assy and S. VIDEO Assy.
Yes
CN1002 (Pin 7)
SC IN
a
Is there a C signal?
No
Diagnose between the BRIDGE 1-L Assy and S. VIDEO Assy.
Yes
Note:
Check is unnecessary because component input does not convert it.
Step 3-3: Reset
CN1001 (Pin 8)
XVCRST
A
Is the voltage "H" (5 V)?
No
Diagnose between the BRIDGE 1-L Assy and MAIN Assy.
Yes
Step 3-4: I2C
CN1001 (Pin 6)
VCSDA
A
Does a signal output in constant period (0 to 5 V) ?
No
Diagnose between the BRIDGE 1-L Assy and MAIN Assy.
Yes
CN1001 (Pin 7)
VCSCL
A
Does a clock output in constant period (0 to 5 V) ?
No
Diagnose between the BRIDGE 1-L Assy and MAIN Assy.
Yes
Q451
VCSDA
d-1
Is there a same signal as VCSDA (0 to 3.3 V)?
No
Check the Q451. If Q451 is failure, replace Q451.
Yes
Q451
VCSCL
d-2
Is there a same signal as VCSCL (0 to 3.3 V)?
No
Check the Q451. If Q451 is failure, replace Q451.
Yes
Step 3-5: VIDEO CLK, DATA
IC701 (Pin 48)
LLC1
e
Is there a clock (27 MHz)?
No
Check the parts and patterns in the path (IC401). If IC401 is failure, replace IC401.
Yes
IC701 (Pins 2 to 9)
P8 to P15
f
Is there a data?
No
Check the parts and patterns in the path. If IC401 is failure, replace IC401.
Yes
Step 3-6: Video Output
IC701 (Pin 35)
DACA
g-1
Is there a composite signal?
No
Check the parts and patterns in the path. If IC701 or R731 or R732 or Q731 is failure, replace it.
Yes
CN1002 (Pin 3)
CVBS OUT
a
Is there a composite signal?
No
Check the parts and patterns in the path. If Q731 or R733 is failure, replace Q731 or R733.
Yes
IC701 (Pin 33)
DACB
g-2
Is there a Y signal?
No
Check the parts and patterns in the path. If IC701 or R741 or R742 or Q741 is failure, replace it.
Yes
D

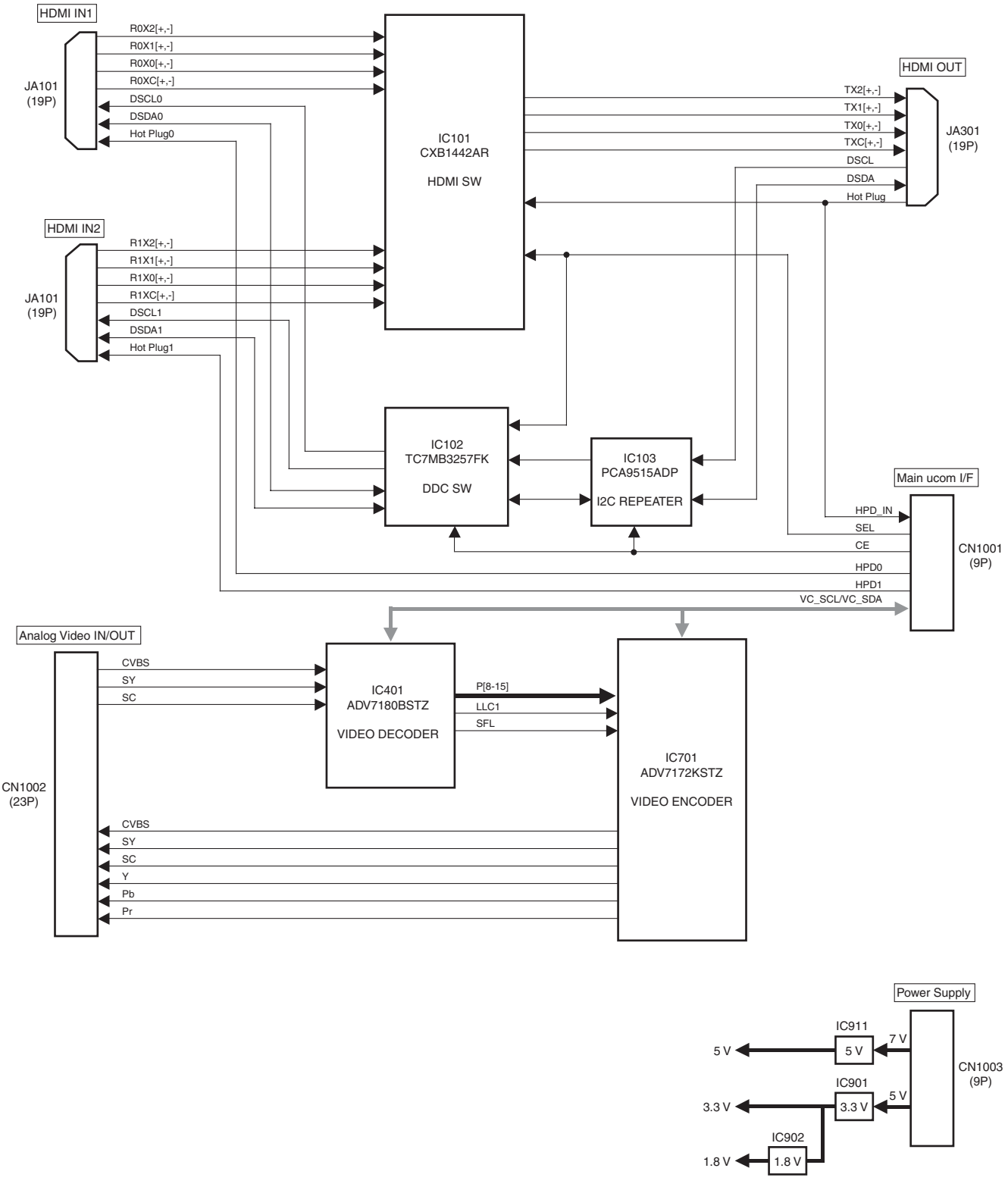

D
CN1002 (Pin 9)
SY OUT
a
Is there a Y signal?
No
Check the parts and patterns in the path. If Q741 or R743 is failure, replace Q741 or R743.
Yes
IC701 (Pin 29)
DACC
g-3
Is there a C signal?
No
Check the parts and patterns in the path. If IC701 or R751 or R752 or Q751 is failure, replace it.
Yes
CN1002 (Pin 11)
SC OUT
a
Is there a C signal?
No
Check the parts and patterns in the path. If Q751 or R753 is failure, replace Q751 or R753.
Yes
IC701 (Pin 28)
DACD
g-4
Is there a Y signal?
No
Check the parts and patterns in the path. If IC701 or R761 or R762 or Q761 is failure, replace it.
Yes
CN1002 (Pin 19)
Y OUT
a
Is there a Y signal?
No
Check the parts and patterns in the path. If Q761 or R763 is failure, replace Q761 or R763.
Yes
IC701 (Pin 25)
DACE
g-5
Is there a Pb signal?
No
Check the parts and patterns in the path. If IC701 or R771 or R772 or Q771 is failure, replace it.
Yes
CN1002 (Pin 21)
Pb OUT
a
Is there a Pb signal?
No
Check the parts and patterns in the path. If Q771 or R773 is failure, replace Q771 or R773.
Yes
IC701 (Pin 24)
DACF
g-6
Is there a Pr signal?
No
Check the parts and patterns in the path. If IC701 or R781 or R782 or Q781 is failure, replace it.
Yes
CN1002 (Pin 23)
Pr OUT
a
Is there a Pr signal?
No
Check the parts and patterns in the path. If Q781 or R783 is failure, replace Q781 or R783.
Yes
End

■ HDMI & DVC Assy Check Points

AK HDMI & DVC ASSY SIDE B



■ Block Diagram of the HDMI & DVC Assy



5.1.3 USB MODULE (HY model Only)

■ Description of Error Indications

FL Display	Error Content	Possible causes and actions to be taken
USB ERROR1	Detection of overcurrent to a USB device	Overcurrent (500 mA or more) is consumed at the connected USB device. • Some USB devices, such as a portable HDD, need more current than that this unit supplies. (Use the AC adaptor for the connected USB device.) • The USB power is short-circuited.
USB ERROR2	Detection of a medium not supported	A USB device that this unit does not support (other than the Mass Storage Class) is connected (such as a mouse, printer, or digital camera). • Connect a mass storage class USB device.
USB ERROR3	Communication error with the system microcomputer	Communication between TCC8600-00X-EA-UG (IC701) and PEG379A (IC101) failed. • Defective connection (connectors) inside this unit • See STEP 3 of Troubleshooting.

■ Operations when overcurrent to a USB device is detected

(1) Overcurrent to a USB device is detected at the port for the microcomputer.

(2) The power supply to the USB device is stopped.

(3) Control of 5 V power is disabled at the port for the microcomputer.

(4) Change of indications on the FL display

Flashes for 2 sec.

U S B E R R 1

⇩ Lights up after flashing for 2 sec.

U S B E R R 1

(5) To supply power to the USB module again:

- Turn the power to the unit off then back on.
- Set the function setting to anything other than USB then back to USB.
- Press the USB play key on the remote control unit.

(6) After overcurrent is detected, if the USB play key is pressed while the error indication is displayed, power supply to the USB module is restored. If overcurrent is no longer detected, the indications shown below are displayed (normal indication):

U S B

In this state, flashing of "USB ERROR1" stops, but playback will not start. To start playback, press the USB play key again.

In the above case, if overcurrent is detected again, the above procedures 1 through 4 are repeated.

■ In a case where a medium not supported is connected

(1) Change of indications on the FL displays

Flashes for 2 sec.

U S B E R R 2

⇩ Lights up after flashing for 2 sec.

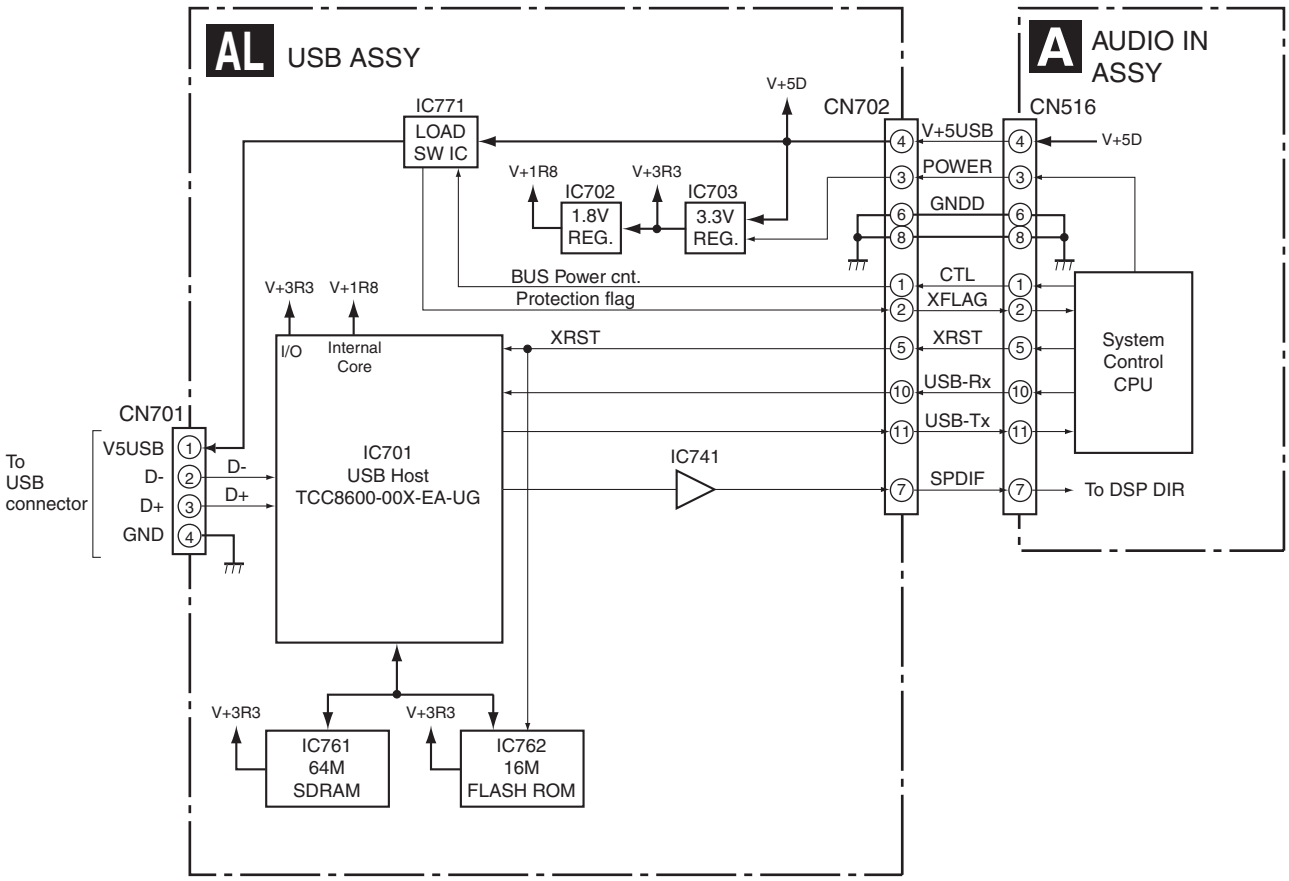
U S B E R R 2

If overcurrent is detected before detection of a non-supported medium, the error indication "USB ERROR1" remains, as the power supply to the USB module is stopped.

On supported media

The formats of supported media that can be played back on this unit are MP3, WMA, and AAC.
Some media in MPEG4 can also be played back. As AAC derives from MPEG4 codec, playback of media in AAC codec of MPEG4 is possible.

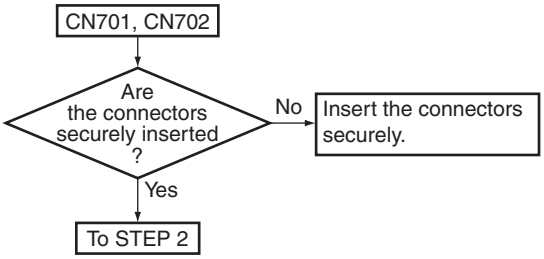
■ Block Diagram of the USB Assy



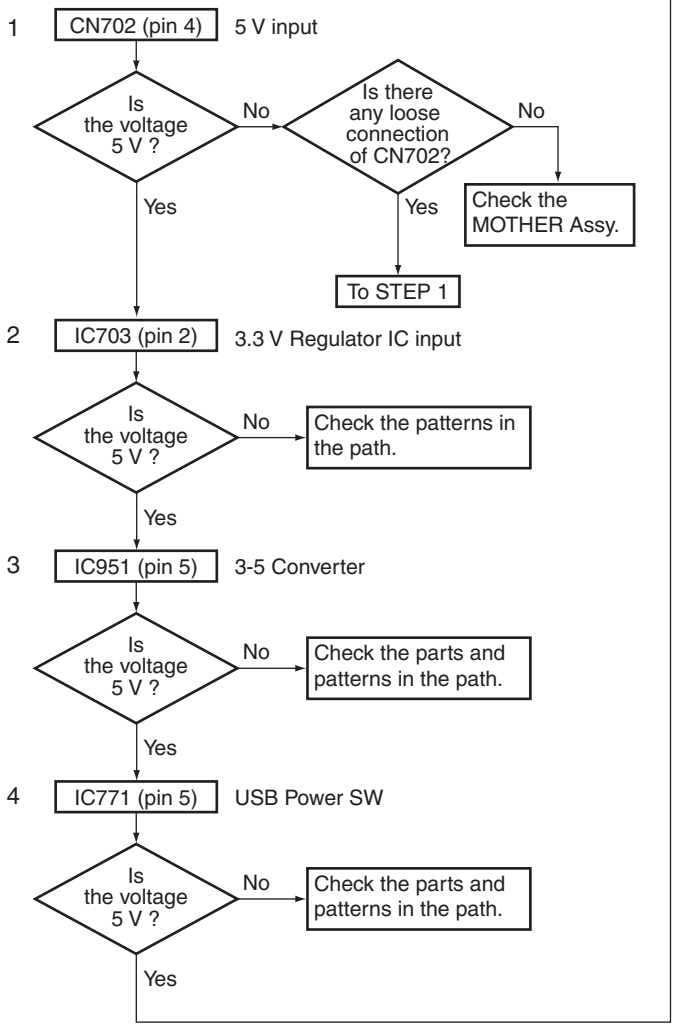
Main parts	Purpose
TCC8600-00X-EA-UG	: USB Host control decoder (MP3/WMA/MPEG-4AAC)
16M FLASH ROM	: Firmware is stored
64M SDRAM	: Temporary storage area of decoding music file
LOAD SWITCH	: Current limitation to USB device power

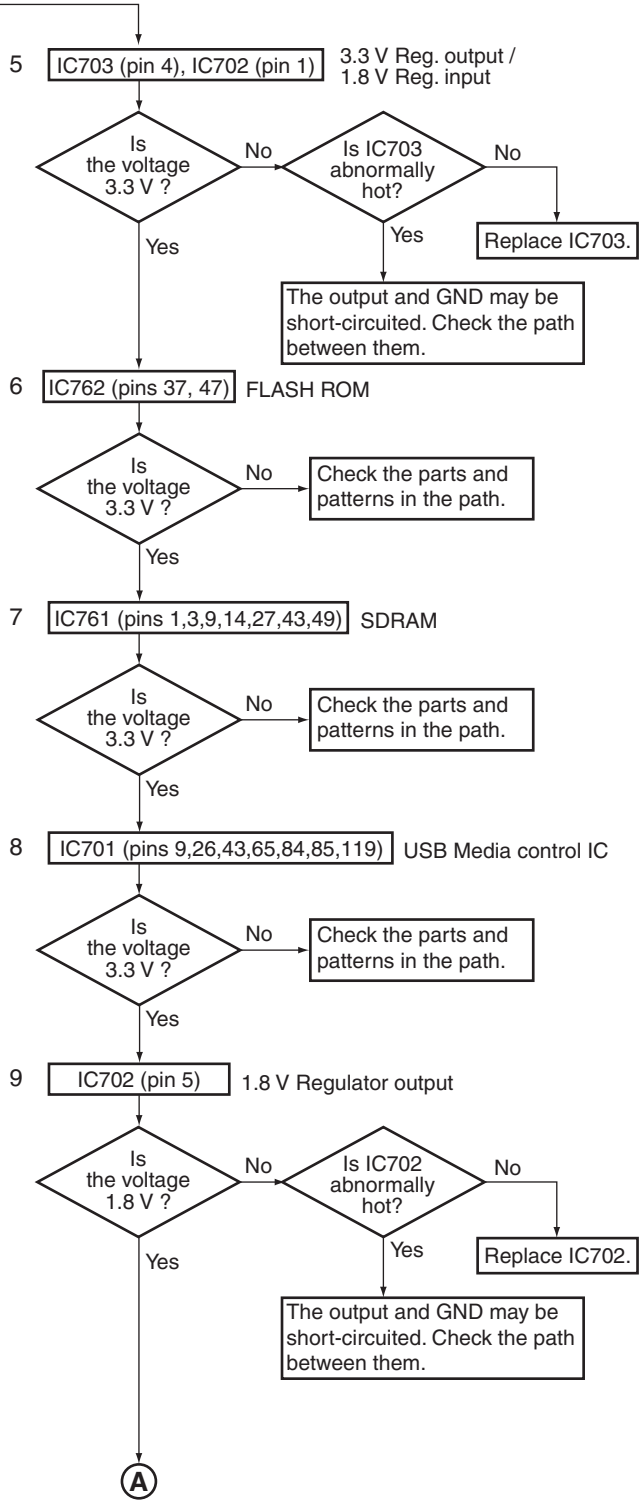
■ USB Troubleshooting

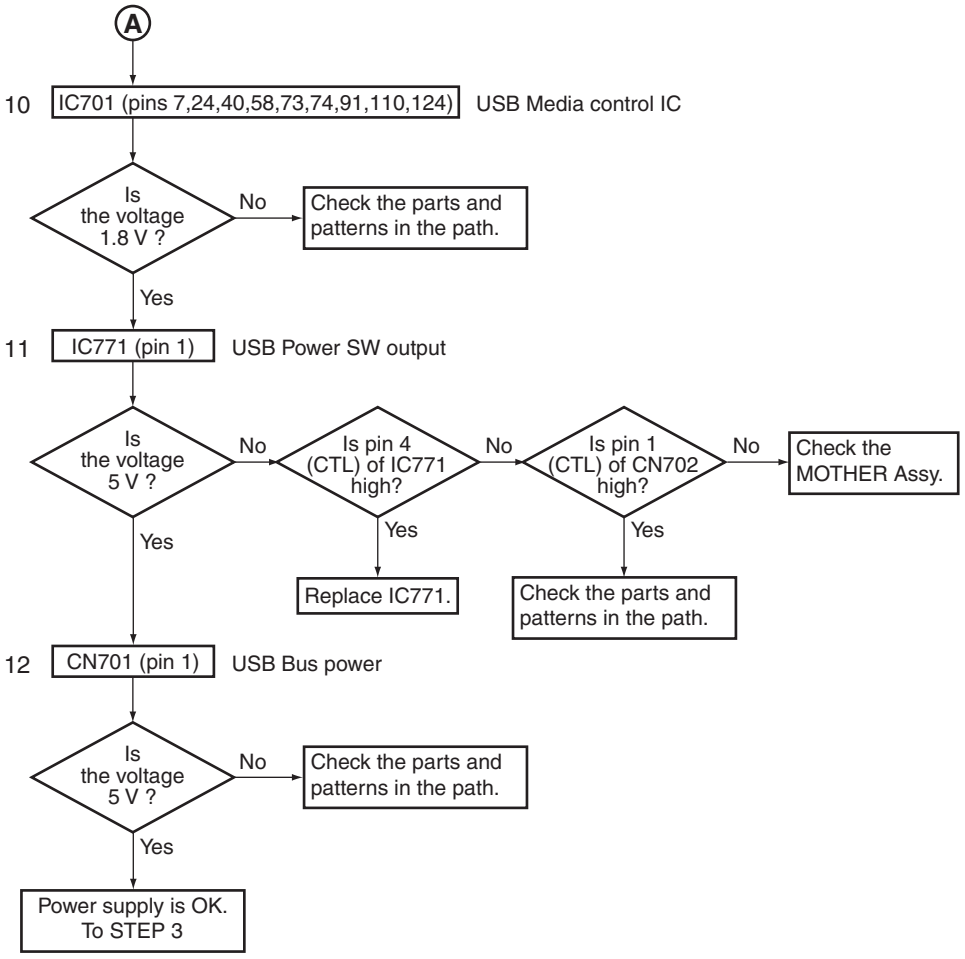
Step 1: Connectors



Step 2: Power supply







Step 3: Operation of USB Media control IC

Note: Please confirm it with the USB memory connected for the content.

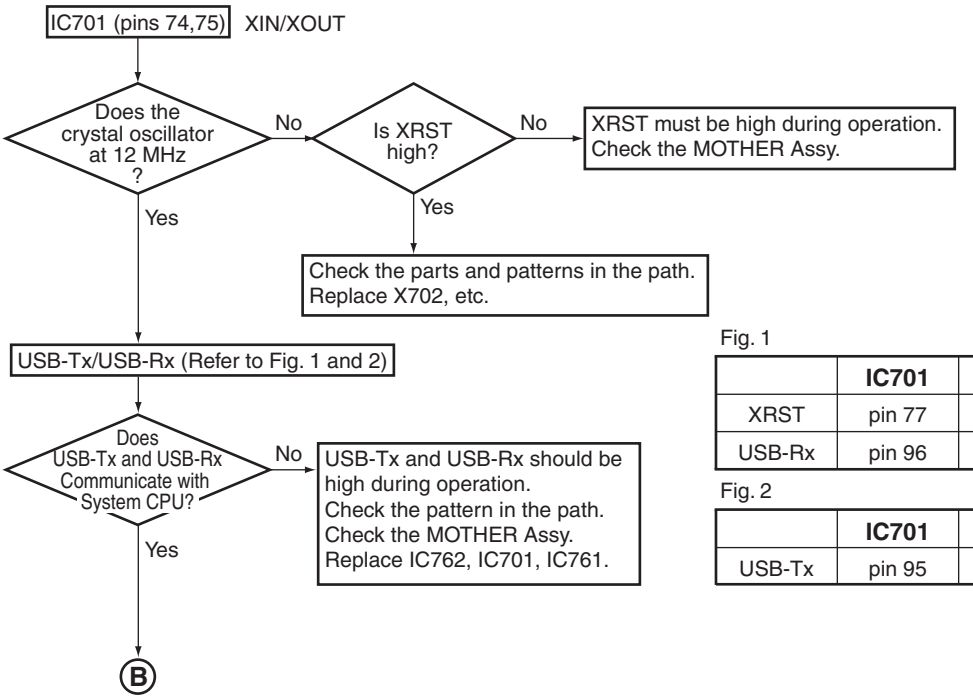


Fig. 1

	IC701		CN702
XRST	pin 77	R951	pin 5
USB-Rx	pin 96	R955	pin 10

Fig. 2

	IC701	IC951 (3 V → 5 V)		CN702
USB-Tx	pin 95	pin 2	pin 4	pin 11

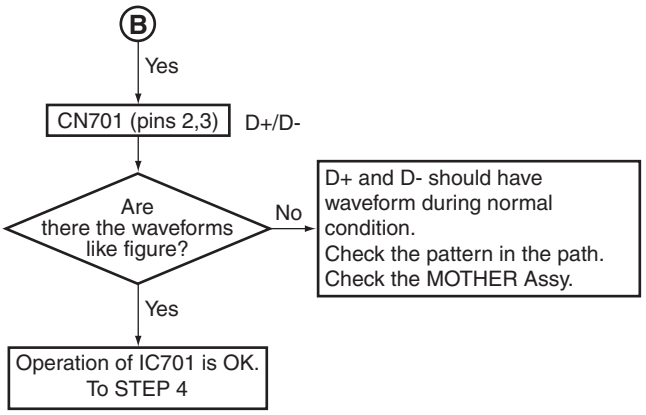
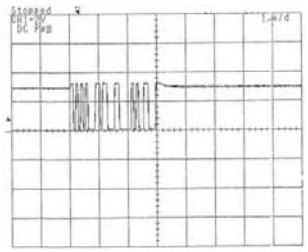
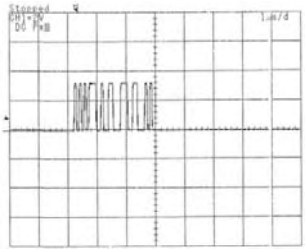


Fig. D+



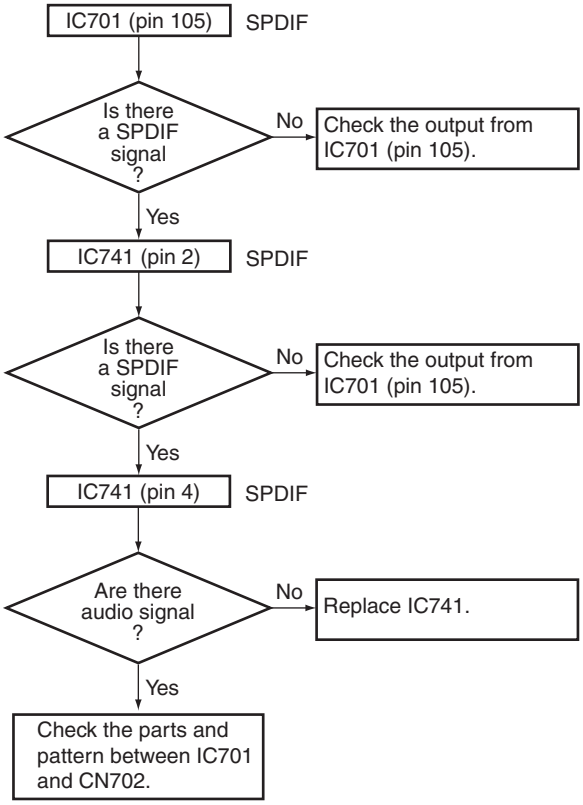
X: 1 μsec/div, Y: 2 V/div

Fig. D-



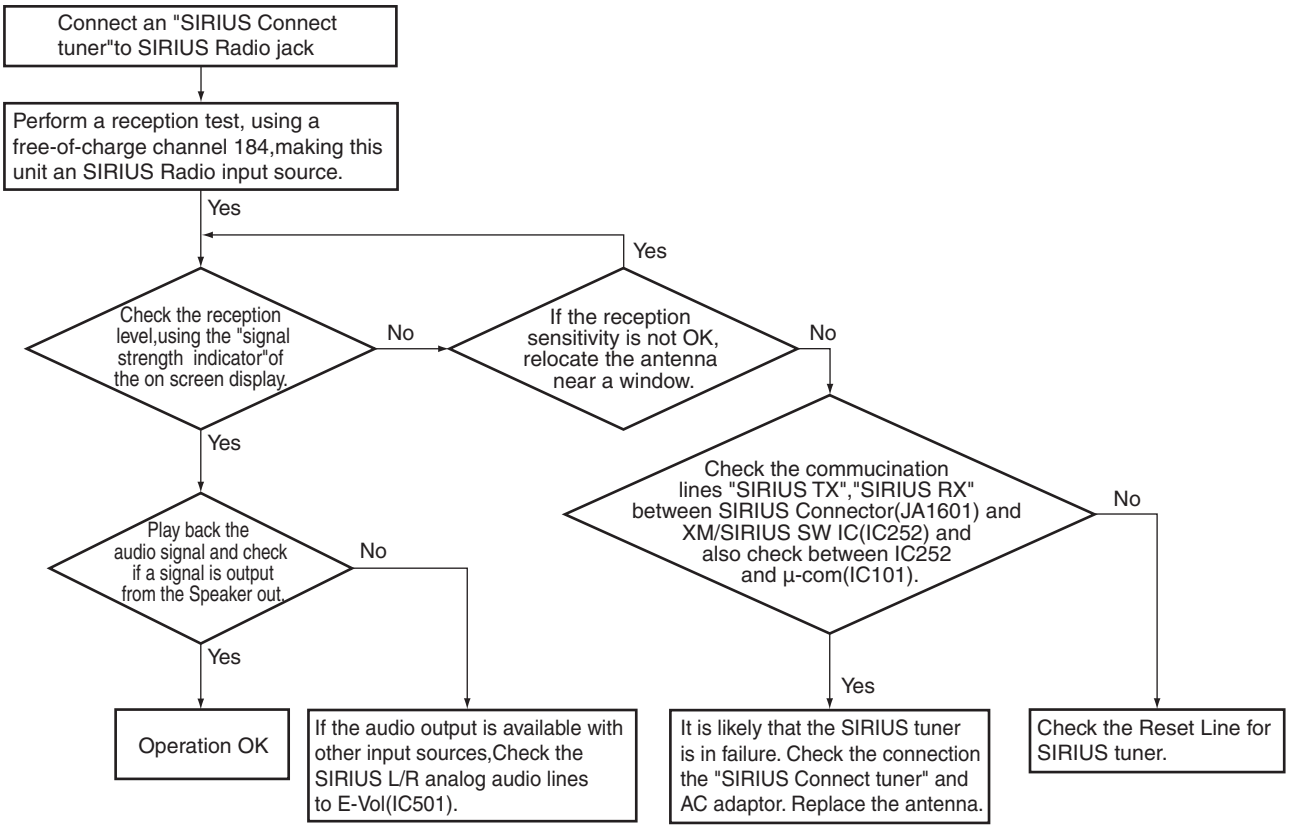
X: 1 μsec/div, Y: 2 V/div

Step 4: Audio Out check



5.1.4 SIRIUS BLOCK TROUBLESHOOTING (VSX-1017TXV-K/VSX-90TXV Only)

Step 1 : Connectors

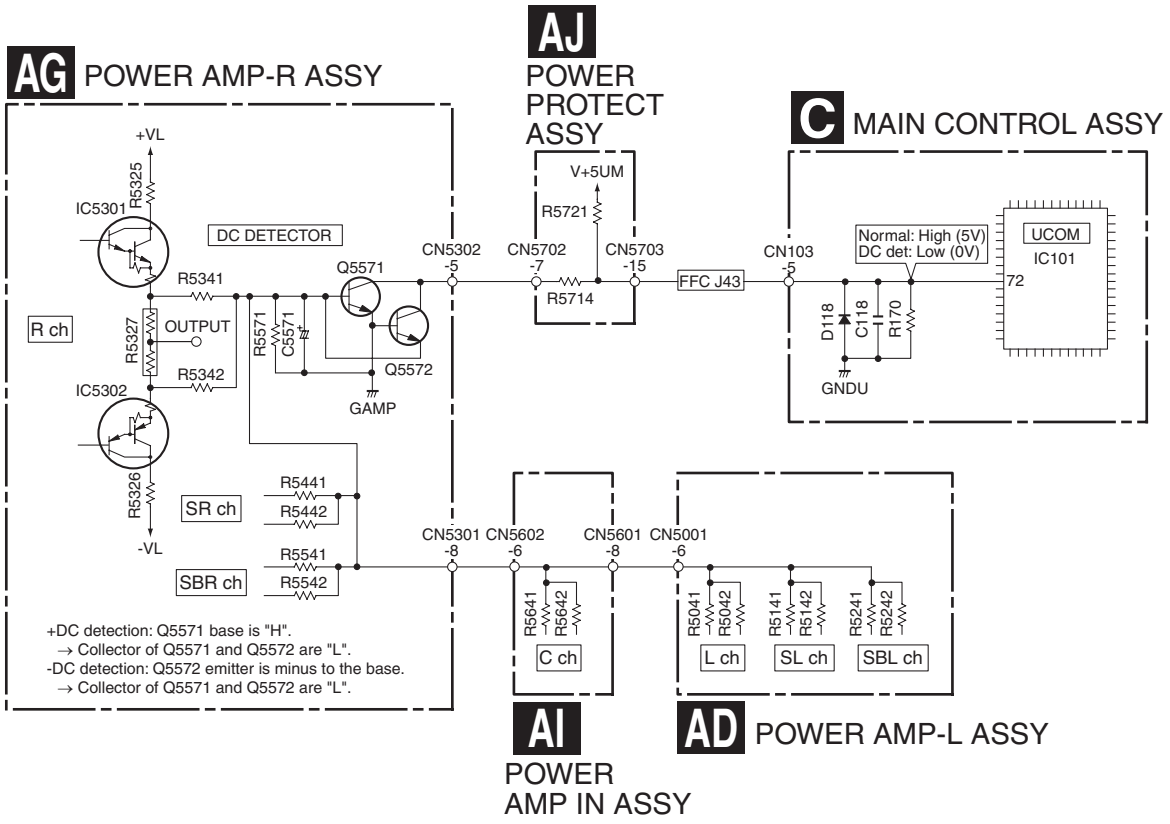


5.2 CIRCUIT DESCRIPTION
5.2.1 PROTECTION CIRCUIT SPECIFICATION

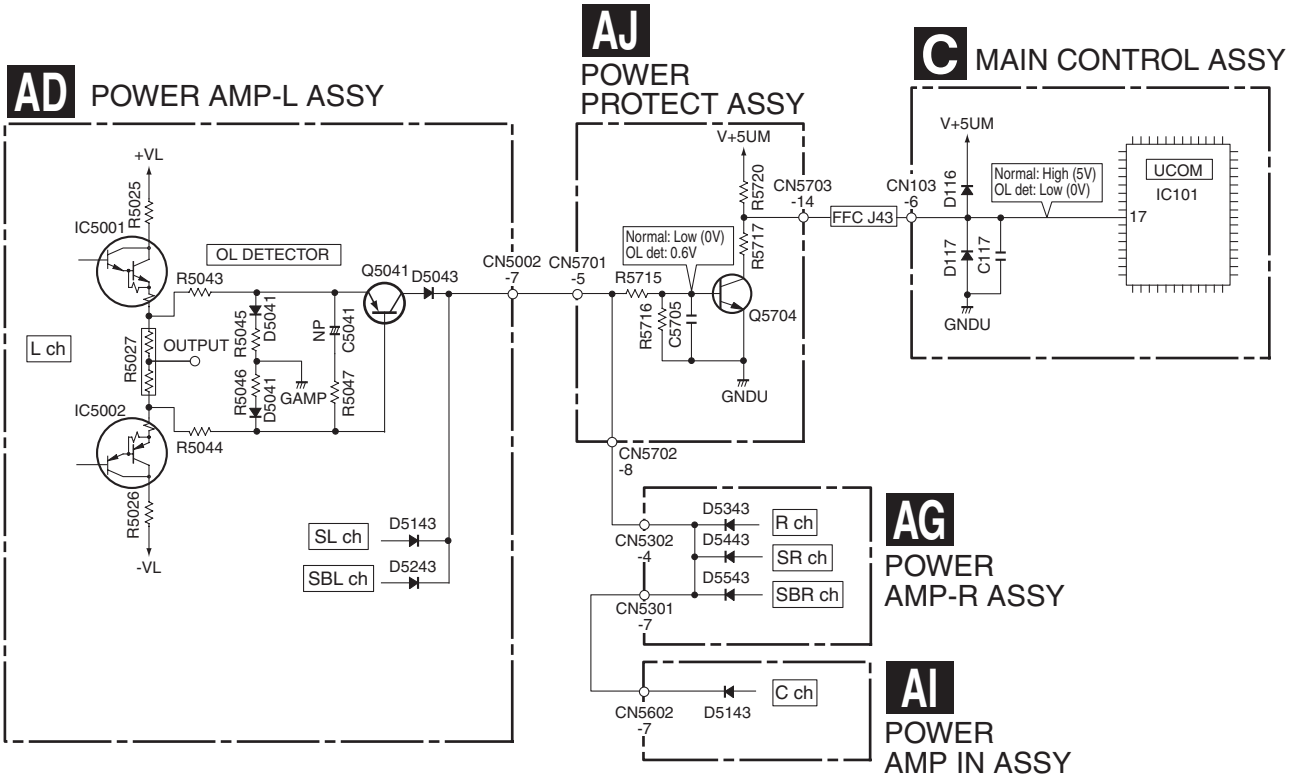
● Protection Circuit Process List

Item	Purpose	Detection Method	Process	Warning Indication	Remarks
DC detection	To detect amplifier damage (defect status) A process to protect speakers (for protection of connected external devices)	Detects when the DC PROTECT port becomes "L". (Pin 72 of IC101)	Turns muting on and speaker relay off, then turns off the power after 3 seconds. Then flashes MCACC indicator.	Flashing "AMP ERR" for 3 seconds.	Once detected and turned the power off, input a key never again. If the DC DET port becomes "H" within 3 seconds, the unit returns to normal condition automatically.
AMP overload	To detect overloading (abnormal status) With low load driving or a short circuit of the speaker terminals (for protection of the amplifier)	Detects when the OL DET port becomes "L" (checks by interrupt). (Pin 17 of IC101)	Turns muting on and speaker relay off, and immediately turns off the power. Then flashes PHASE CONTROL indicator.	None	
Overheat detection	Self reset type protection feature by temperature rise of heat sink	Detects when the TEMP2 port becomes "H" . (Pin 44 of IC2301)	Turns muting on and speaker relay off, then turns off the power after 3 seconds.	Flashing "OVERHEAT" for 3 seconds.	If the TEMP2 port becomes "L" within 3 seconds, the unit returns to normal condition automatically.
12V trigger failure detection	To detect the shortcircuit of 12V trigger output (load more than 50mA) (for protection of the amplifier)	Detects when the 12VDET port decomes "H". (Pin 41 of IC2301)	Turns 12V trigger output to off.	Flashing "12V TRG ERR"	Continue showing warning. Release the FL indication by switching the INPUT SEL or the turns the power off.

● DC Detection Circuit



● OL (Over Load) Detection Circuit



6. SERVICE MODE

6.1 TEST MODE

■ Version indication

[Purpose]

The versions for various microcomputers and DSP firmware are displayed.

[How to enter/exit]

HY model:

During Standby mode, simultaneously press and hold the “STANDBY/ON” and “SOUND RETRIEVER” key for 5 seconds to enter this mode.

KU model:

During Standby mode, simultaneously press and hold the “STANDBY/ON” and “MULTI CH IN” keys for 5 seconds to enter this mode.

This mode is automatically exited when the indications of all versions have finished.

[Basic operations]

FL Display	Description of Version Indications	Duration (sec.)	Devices that can be considered generally normal, with the corresponding indications
POWER OFF ↓ M1.000 F1.000 ↓ PPP.05 ↓ Normal display	Mx.xxx : Main microcomputer Fx.xxx : Display microcomputer PPP.xx : DSP firmware	5 5	Main microcomputer and display microcomputer DSP firmware (in Main microcomputer)

[Notes]

1. If the version indication becomes "**," a failure in communications between the corresponding microcomputers or a failure in the corresponding microcomputers is likely.
2. In this submode, the user settings will not be cleared.

■ Detected protection history

[Purpose]

The numbers of detections for various protection processes are displayed.

[How to enter/exit]

During Standby mode, simultaneously press and hold “DVR/VCR1” and “ENTER” keys for 5 seconds to enter this mode.
This mode is automatically exited when all the indications have finished.

[Basic operations]

FL Display	Description of Indications	Duration (sec.)
POWER OFF		
↓		
DC : 000	Number of DC detections	3
↓		
OVER: 010	Number of overload detections	3
↓		
CON : 002	Number of detections of cord disconnection (DC and OL DET line) (simultaneous detections of DC and OVERLOAD)	3
↓		
FAN : 002 (*)	Number of detections of fan abnormalities	3
↓		
TEMP: 255	Number of detections of abnormal temperature	3
↓		
Normal display		

(*) for KU models, ”FAN : 000” is always displayed.

[Description]

When the keys are pressed, the numbers of DC detections, overload detections, detections of connectors disconnection inside unit (It is detected by both DC and OVERLOAD detections.), detections of fan abnormalities, and detections of abnormal temperature are displayed for 3 seconds each, in that order.
The maximum value of each detections is 255.

■ Error indications when an abnormality in the amplifier system is detected

[Purpose]

An error message is displayed when an abnormality in the amplifier system is detected.

[Error Messages]

FL Display	Status	Duration (sec.)
AMP ERROR	When AMP DC is detected	Flashes 3 times.
FAN STOP HY model Only	When stopping of the fan is detected	Flashes 3 times.
OVERHEAT	When a thermal shutdown (abnormal temperature), etc. is detected	Flashes 3 times.
12V TRG ERR 90TXV types only	When the 12-V trigger circuit is short-circuited	Flashes
XM Power Error KUXJ and KUXJ/CA models only	The power supply of the XM antenna is abnormally	Flashes

[Description]

AMP ERROR : After a failure in the amplifier block or high DC output is detected, the shutdown process starts, then the power will be shut off. Then the MCACC LED will flash. The power cannot be turned on again. If you wish to turn on the unit after a shutdown activated by DC detection, enter Test mode, by proceeding with the steps described in "How to enter release mode" below.

FAN STOP (HY model Only) : The fan does not function.

OVERHEAT : The temperature of the amplifier is abnormally high.

After a failure is detected, the shutdown process starts, then the power will be off. The power can be turned on again in Normal mode.

12V TRG ERR (90TXV only) : The 12-V trigger output is short-circuited.

XM Power Error : Thepower supply of the XM antenna is abnormally.
(KUXJ and KUXJ/CA models only)

[How to enter release mode]

Press and hold DVR/VCR2 and ENTER keys
on the front panel simultaneously for 5 seconds in standby mode.

7. DISASSEMBLY

Note 1: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

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

- 11P board to board extension jig cable (GGD1482)
- 13P board to board extension jig cable (GGD1483)
- 15P board to board extension jig cable (GGD1484)
- 21P board to board extension jig cable (GGD1485)

1. Before the Power Amp Block is removed

Before the Power Amp Block is removed, discharge C3257 and C3258 on the TRANS 2-1 Assy, as indicated below.
If you don't, the IC protectors (IC3351 and IC3352) on the VH TR Assy may be open, and DC voltage may be generated at the power amplifier output, which will result in "AMP ERR."

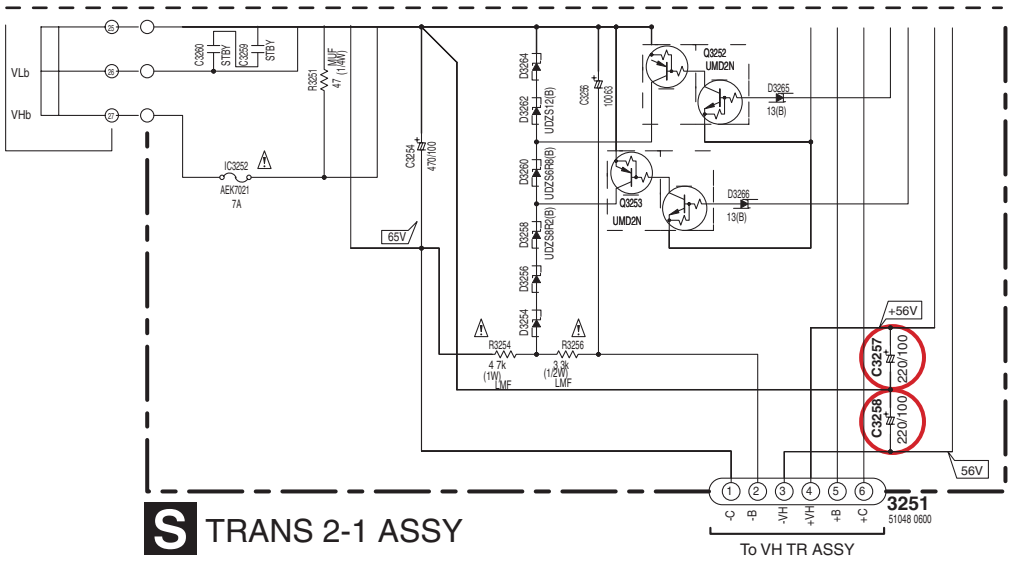
[Procedure]

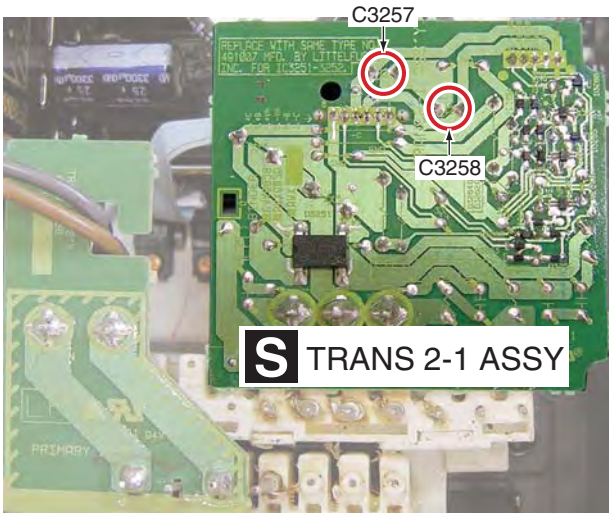
① Unplug the AC power cord.

② Discharge C3257 and C3258 on the TRANS 2-1 Assy.
Note: For discharging, use a load of 100Ω, 3W or more, to protect the IC protectors. Do NOT discharge instantly by short-circuiting.

③ Check that the voltage between the electrodes of each C3257 and C3258 is 1V or less.

④ Reassembling the Power Amp Block.

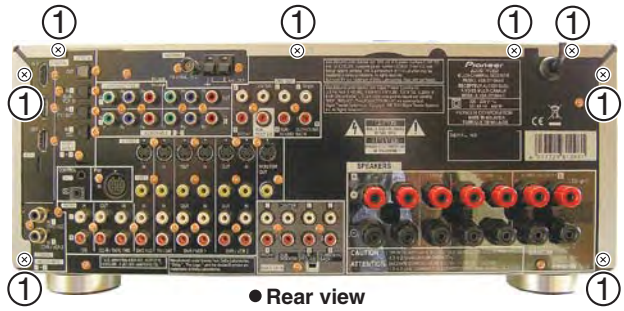




2. Disassembly

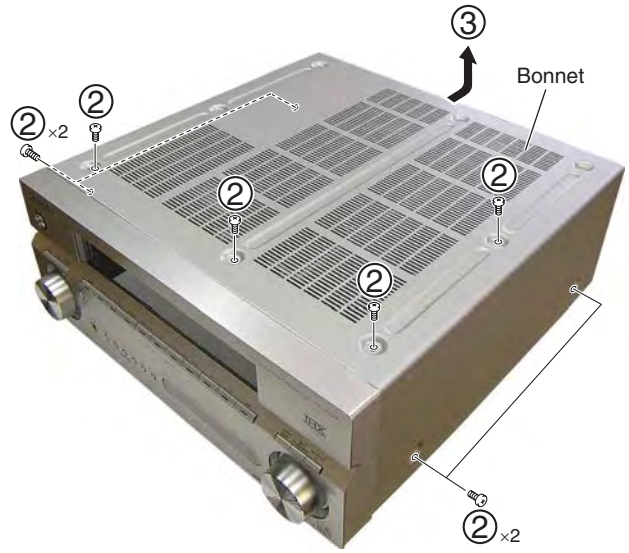
1 Bonnet

① Remove the eight screws.



② Remove the eight screws.

③ Remove the bonnet.



2 Power Amp Block

Caution:
Before removing the Power Amp Block, discharge C3257 and C3258 on the TRANS 2-1 Assy.
Refer to "1. Before the Power Amp Block is removed".

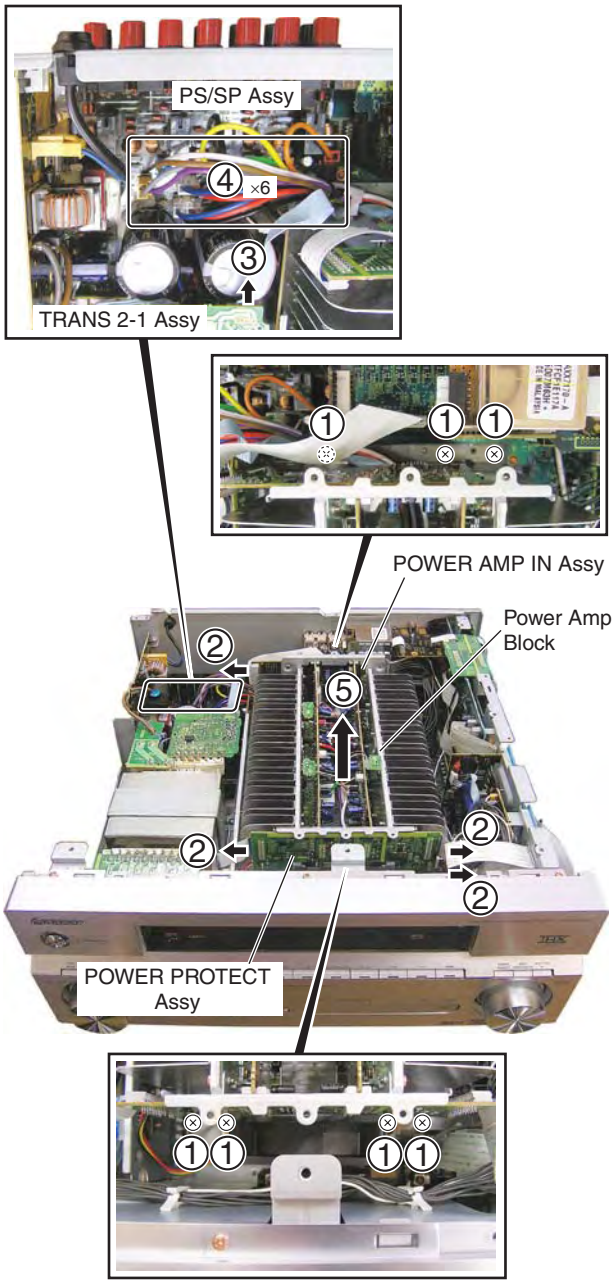
① Remove the seven screws.

② Disconnect the three flexible cables and the one connector.

③ Disconnect the one jumper wire.

④ Disconnect the six connectors.

⑤ Remove the power amp block.



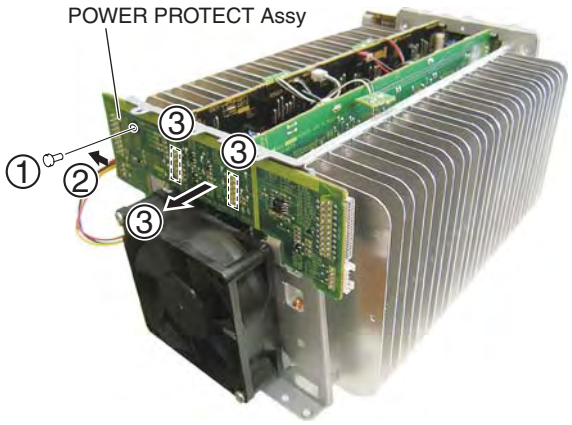
3 Replacing the Power Transistor

● POWER PROTECT Assy

① Remove the one nyron rivet.

② Disconnect the one connector. (VSX-1017AV only)

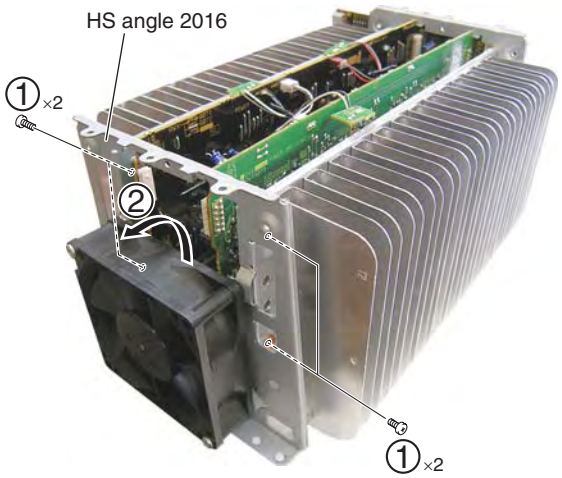
③ Remove the POWER PROTECT Assy by removing the two connectors.



● HS Angle 2016

① Remove the four screws.

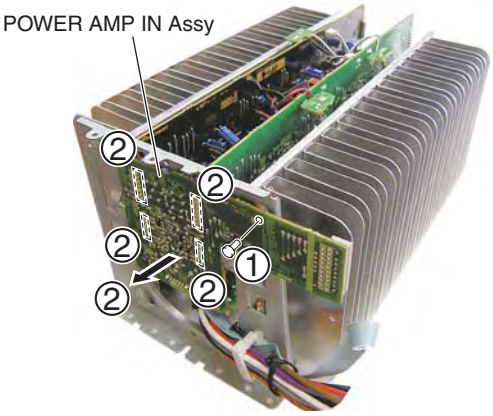
② Remove the HS angle 2016.



● POWER AMP IN Assy

① Remove the one nyron rivet.

② Remove the POWER AMP IN Assy by removing the four connectors.

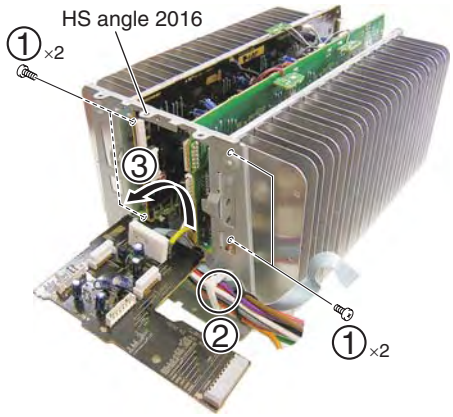


● HS Angle 2016

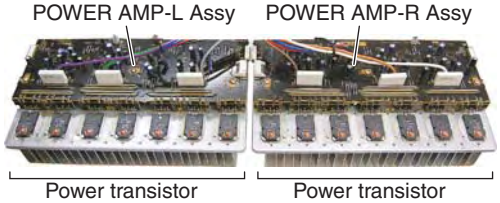
① Remove the four screws.

② Release the clamper.

③ Remove the HS angle 2016.



● Replacing the Power Transistor



Replace

4 Replacing the AUDIO IN Assy

● Rear Panel

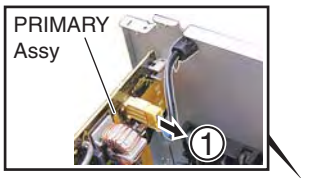
① Disconnect the one connector.

② Remove the four cushion circle 14B.

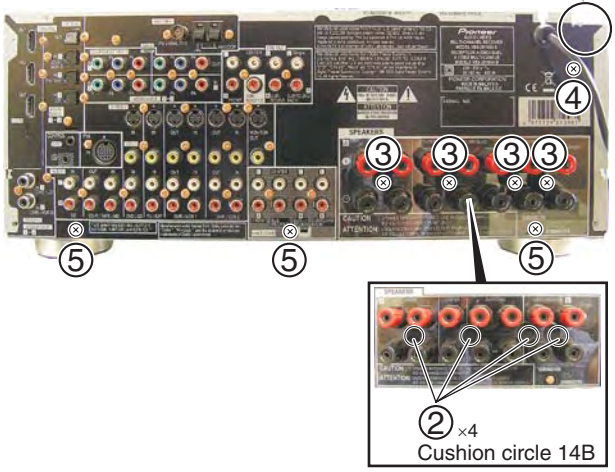
③ Remove the four screws.

④ Remove the one screw.
(KU model: Remove the three screws.)

⑤ Remove the three screws.



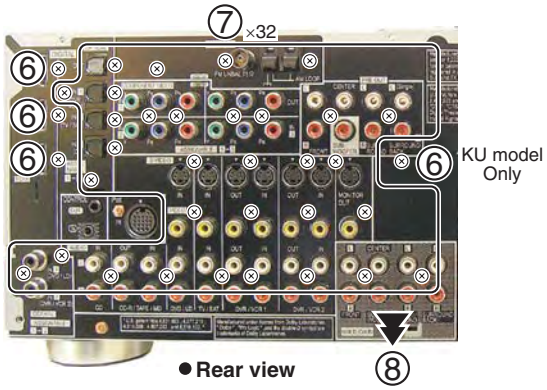
● Rear view



⑥ Remove the three screws.
(KU model : Remove the four screws.)

⑦ Remove the 32 screws.
(VSX-90TXV : Remove the 33 screws.)

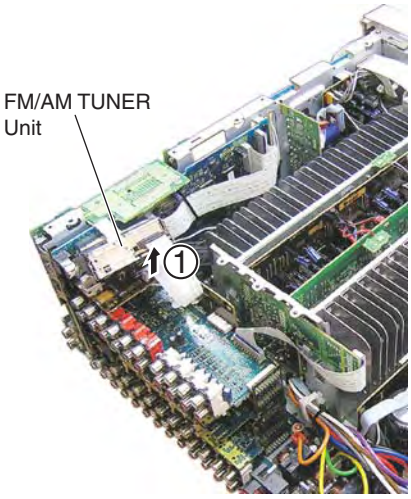
⑧ Remove the rear panel.



● Rear view

● FM/AM TUNER Unit

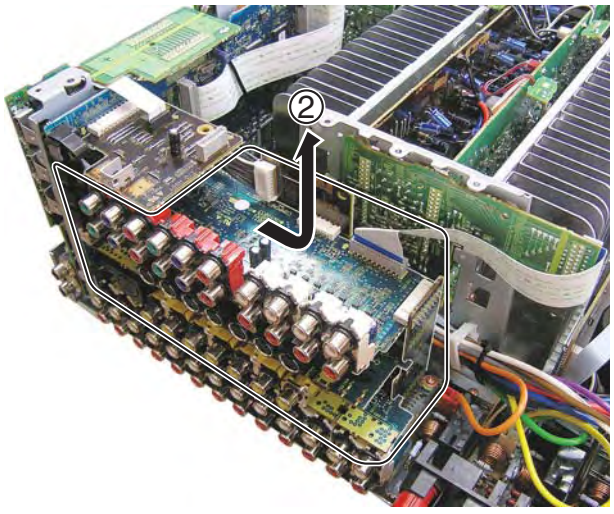
① Remove the FM/AM TUNER Unit by removing the one flexible cable.



● PCB Assys

① Disconnect cables, connectors, as required.

② First remove the BRIDGE 2 Assy, then remove the COMPOSITE, S-VIDEO, COMPONENT and VIDEO CONNECT Assys.



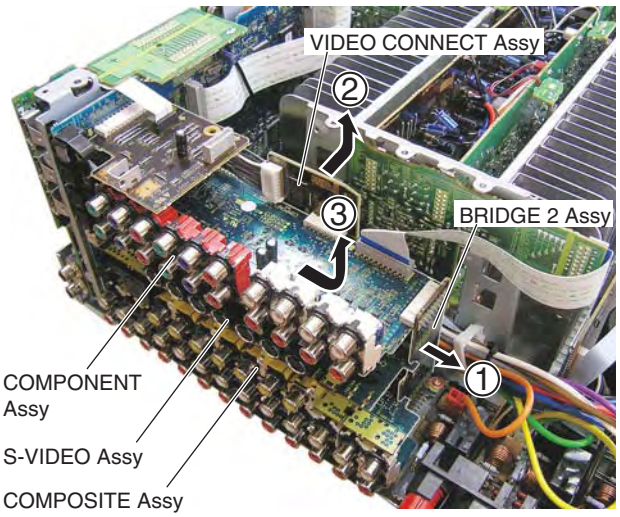
3. Diagnosis

1 Preparations

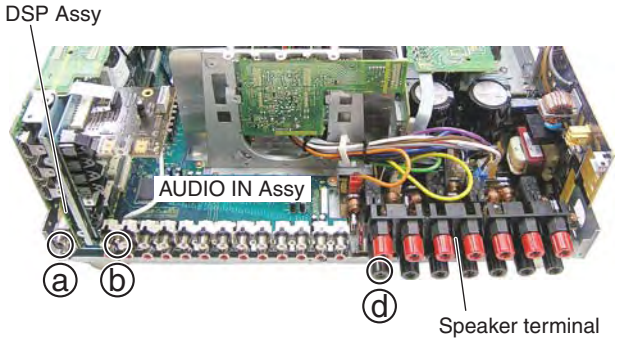
1. Remove the bonnet.
2. Remove the rear panel.

---

① Remove the BRIDGE 2 Assy.
② Remove the VIDEO CONNECT Assy.
③ Remove the COMPONET, S-VIDEO, COMPOSITE Assys.

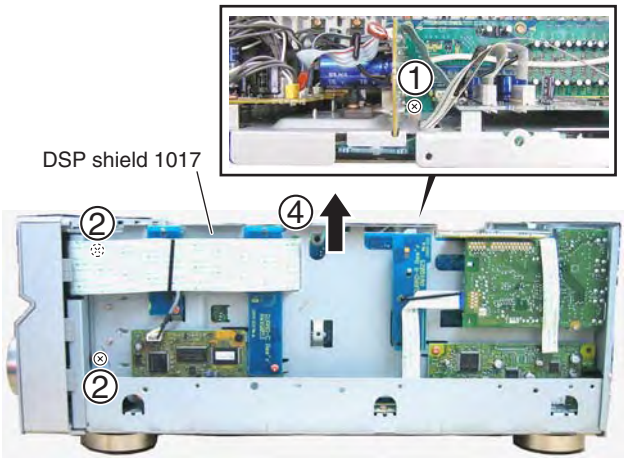


④ Connect the earth points to chassis as follows.
ⓐ Pin jack (GND) on the DSP Assy ↔ chassis
ⓑ Pin jack (L side GND) on the AUDIO IN Assy ↔ chassis
ⓒ Pin jack (Yellow GND) on the COMPOSITE Assy ↔ chassis
ⓓ Speaker terminal (L side black) ↔ chassis



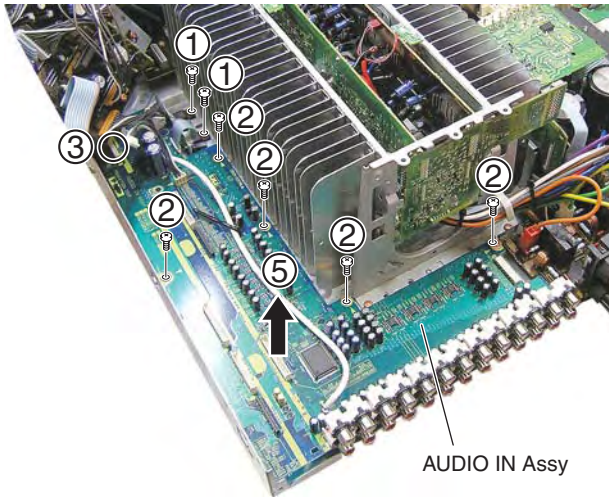
● **DSP Shield Section**

① Remove the one screw.
② Remove the two screws.
③ Disconnect cables, connectors, as required.
④ Remove the DSP shield 1017 with PCB Assemblies..



● **AUDIO IN Assy**

① Remove the two screws.
② Remove the five screws.
③ Release the locking card spacer.
④ Disconnect cables, connectors, as required.
⑤ Remove the AUDIO IN Assy.



2 Diagnosis

● COMPONENT Assy

Jig cable

- 11P board to board extension jig cable (GGD1482)
- 13P board to board extension jig cable (GGD1483) ×2

① Connect the three extension jig cables.

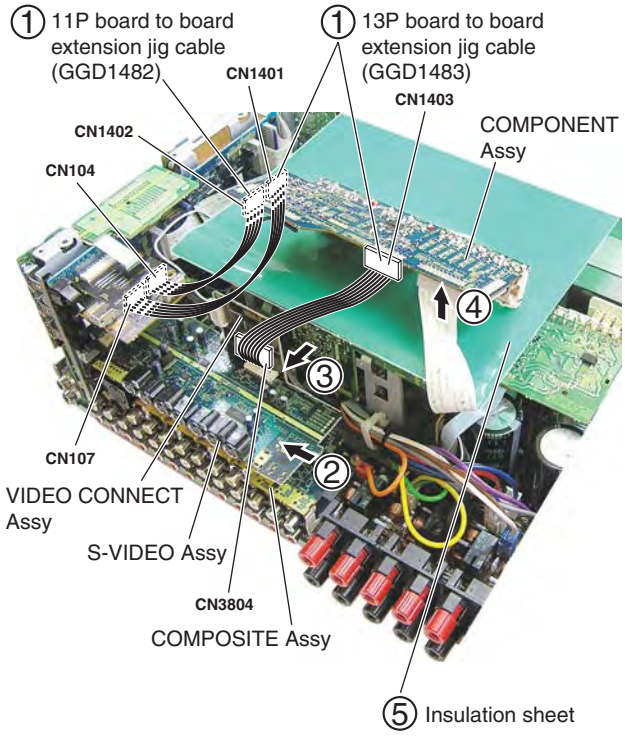
② Reassembling the S-VIDEO and COMPOSITE Assys.

③ Reassembling the VIDEO CONNECT Assy.

④ Connect the one flexible cable.

⑤ Insert the insulation sheet.

⑥ Arrange the unit as shown in the photo below.



Diagnosis

● S-VIDEO Assy

Jig cable

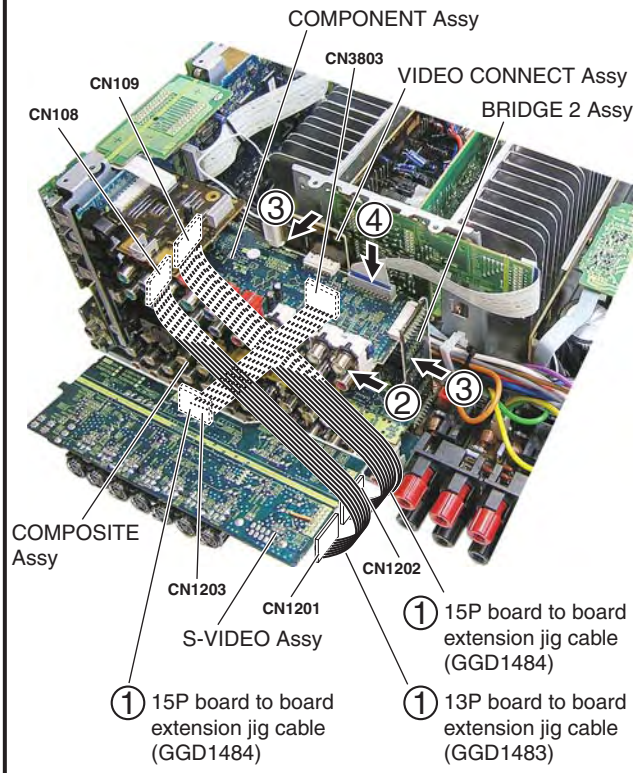
- 13P board to board extension jig cable (GGD1483)
- 15P board to board extension jig cable (GGD1484) ×2

① Connect the three extension jig cables.

② Reassembling the COMPONENT and COMPOSITE Assys.

③ Reassembling the BRIDGE 2 and VIDEO CONNECT Assys.

④ Connect the one flexible cable.



Diagnosis

● COMPOSITE Assy

Jig cable

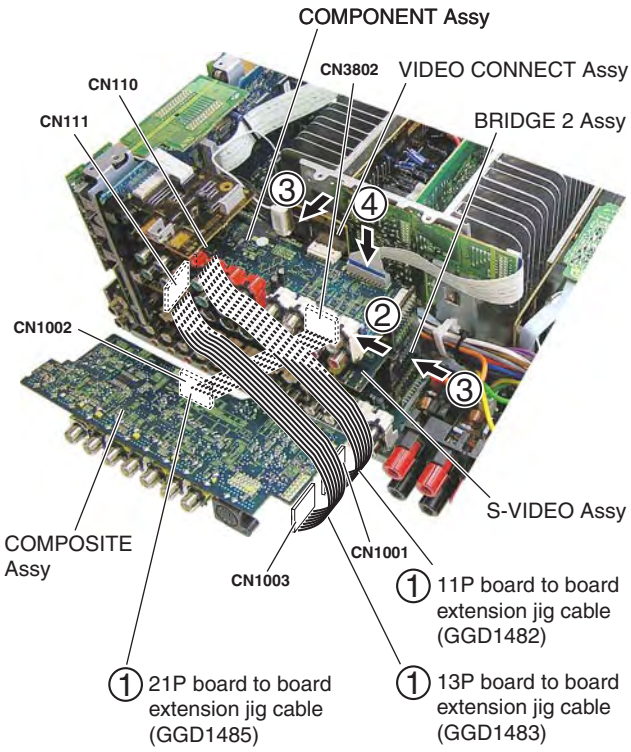
- 11P board to board extension jig cable (GGD1482)
- 13P board to board extension jig cable (GGD1483)
- 21P board to board extension jig cable (GGD1485)

① Connect the three extension jig cables.

② Reassembling the COMPONENT and S-VIDEO Assys.

③ Reassembling the BRIDGE 2 and VIDEO CONNECT Assys.

④ Connect the one flexible cable.



Diagnosis

8. EACH SETTING AND ADJUSTMENT

8.1 ADJUSTMENT

• There is no information to be shown in this chapter.

8.2 HOW TO UPDATE FIRMWARE

■ USB (HY model only)

[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]

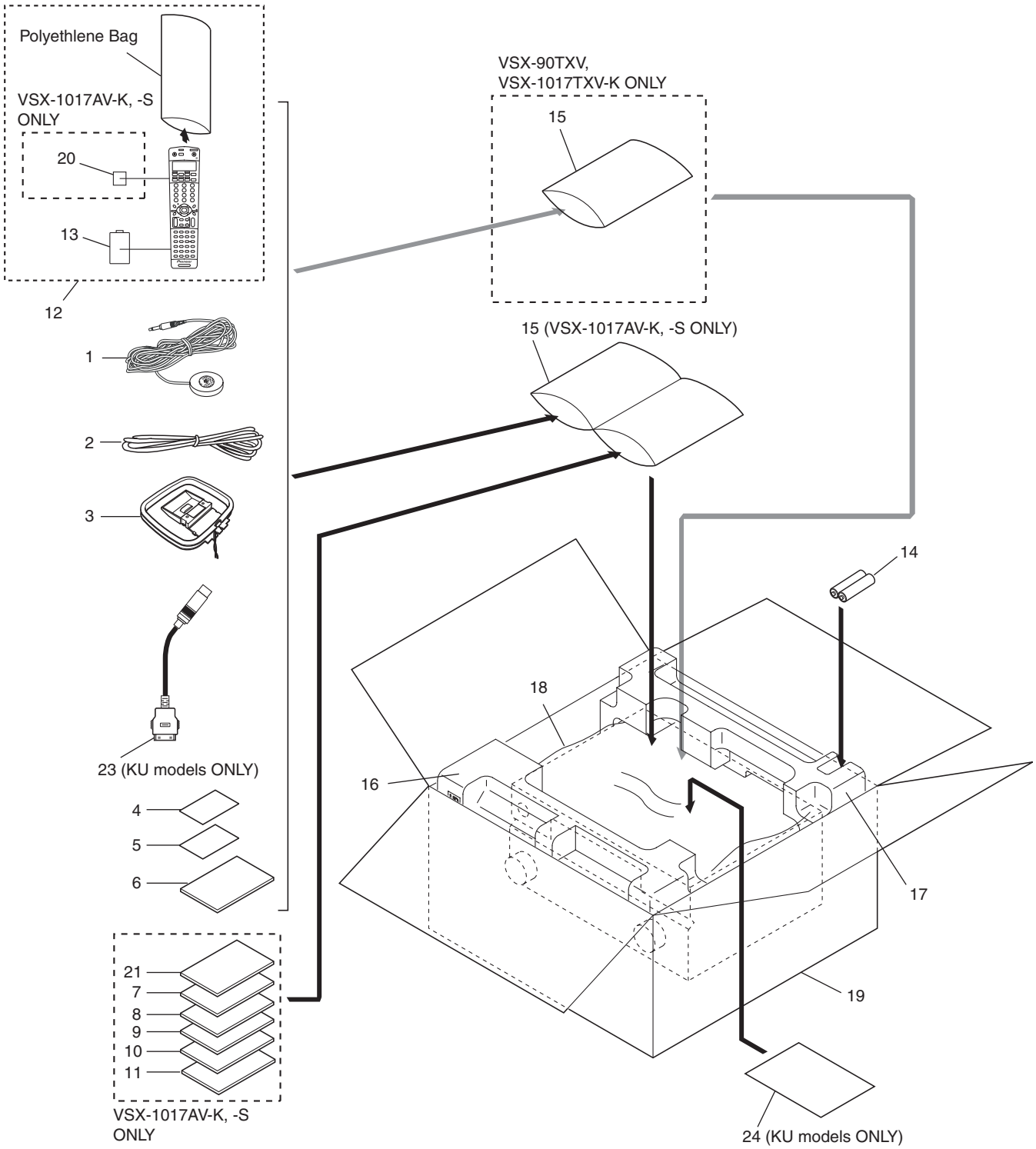
1. Turn on the unit then press and hold "SOUND RETRIEVER" and "ENTER" key for about 5sec.
2. "USB" is appeared on the FL display.
3. "TESTMODE" is appeared on the FL display.
4. "CORE*.**" is appeared on the FL display. (*.** : F/W version No.)
5. Connect the USB flash memory which is saved the firmware file ("player.rom" file).
6. "UPDT" is displayed on the FL display.
7. Wait until "FINISHED" is appeared on the FL display.
8. Disconnect the USB flash memory then set the function setting to anything other than USB.
9. Turn off the unit (Standby 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

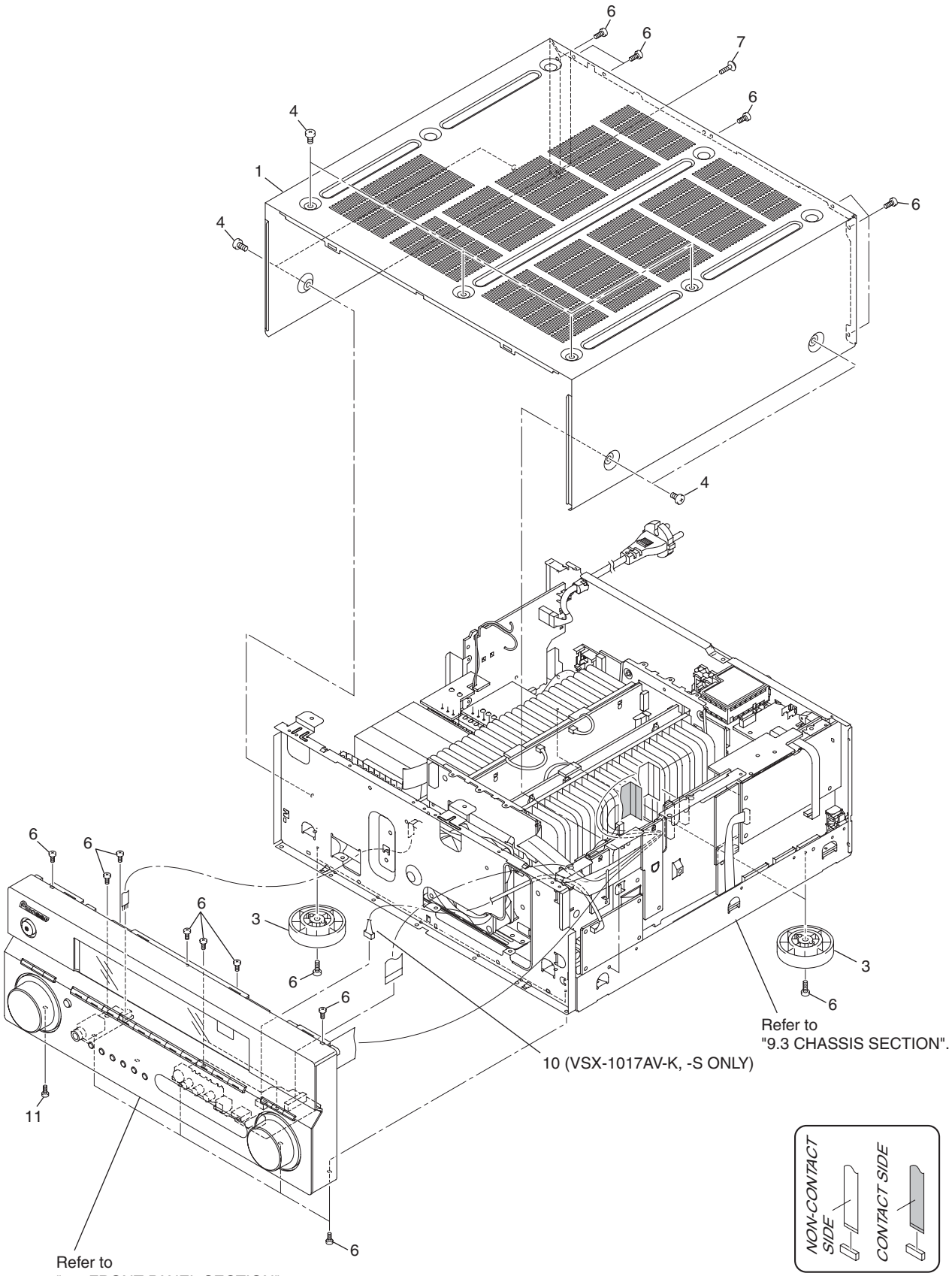
Mark	No.	Description	Part No.
	1	Setup Microphone (for Auto MCACC setup)	APM7008
	2	FM Wire Antenna	ADH7030
	3	AM Loop Antenna	ATB7013
NSP	4	Warranty Card	See Contrast table (2)
	5	Caution Sheet(Spanish/English)	ARM7083
	6	Operating Instructions (English)	See Contrast table (2)
	7	Operating Instructions (French)	See Contrast table (2)
	8	Operating Instructions (German)	See Contrast table (2)
	9	Operating Instructions (Italian)	See Contrast table (2)
	10	Operating Instructions (Spanish)	See Contrast table (2)
	11	Operating Instructions (Dutch)	See Contrast table (2)
	12	Remote Control Unit	See Contrast table (2)
	13	Battery Cover	XZN3140
NSP	14	Dry Cell Battery AA/LR6	VEM1031
NSP	15	Polyethylene Bag	See Contrast table (2)
	16	Front Pad	AHA7456
	17	Rear Pad	AHA7457
	18	Packing Sheet	RHC1023
	19	Packing Case	See Contrast table (2)
	20	LABEL (WEEE)	See Contrast table (2)
	21	Operating Instructions (Russian)	See Contrast table (2)
	22	•••••	
	23	Audio Control Cable for iPod	See Contrast table (2)
	24	HDMI SW Caution	See Contrast table (2)

(2) CONTRAST TABLE

VSX-1017AV-K/HYXJ5, VSX-1017AV-S/HYXJ5, VSX-1017TXV-K/KUXJ and VSX-90TXV/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-1017AV-K/ HYXJ5	VSX-1017AV-S/ HYXJ5	VSX-1017TXV-K/ KUXJ	VSX-90TXV/ KUXJ/CA
NSP	4	Warranty Card	ARY7065	ARY7065	ARY7045	ARY7007
	6	Operating Instructions (English)	ARB7375	ARB7375	ARB7374	ARB7373
	7	Operating Instructions (French)	ARC7736	ARC7736	Not used	Not used
	8	Operating Instructions (German)	ARC7737	ARC7737	Not used	Not used
	9	Operating Instructions (Italian)	ARC7738	ARC7738	Not used	Not used
	10	Operating Instructions (Spanish)	ARC7739	ARC7739	Not used	Not used
	11	Operating Instructions (Dutch)	ARC7740	ARC7740	Not used	Not used
	12	Remote Control Unit	AXD7495	AXD7495	AXD7494	AXD7493
NSP	15	Polyethylene Bag	AHG7132	AHG7132	AHG7117	AHG7117
	19	Packing Case 1017KHY	AHD8531	Not used	Not used	Not used
	19	Packing Case 1017SHY	Not used	AHD8532	Not used	Not used
	19	Packing Case 1017KKU	Not used	Not used	AHD8530	Not used
	19	Packing Case 90KU	Not used	Not used	Not used	AHD8529
	20	LABEL (WEEE)	ARW7322	ARW7322	Not used	Not used
	21	Operating Instructions (Russian)	ARC7768	ARC7768	Not used	Not used
	23	Audio Control Cable for iPod	Not used	Not used	XDE7025	XDE7025
	24	HDMI SW Caution KU	Not used	Not used	ARX7103	ARX7103

9.2 EXTERIOR SECTION



(1) EXTERIOR SECTION PARTS LIST

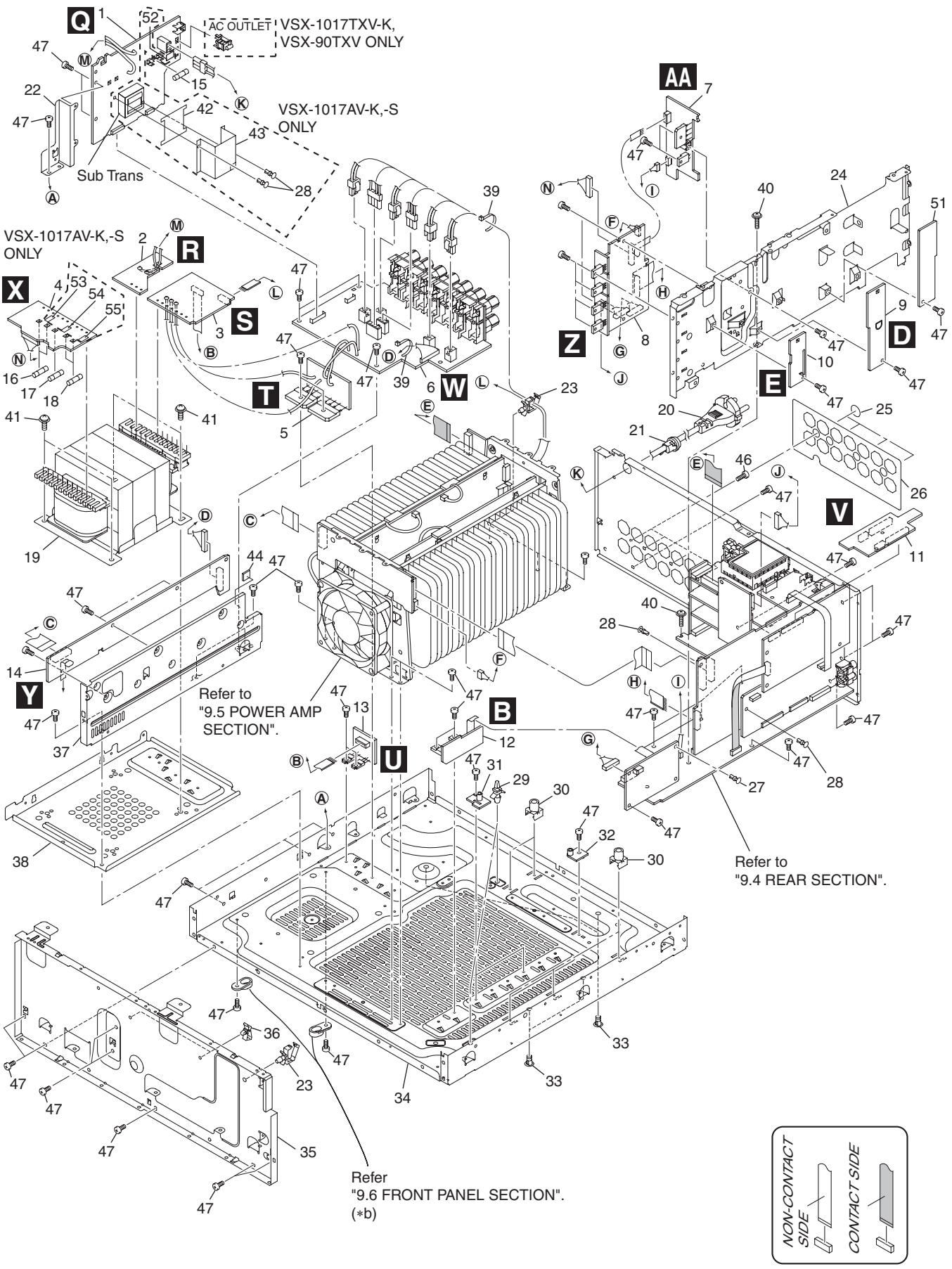
Mark	No.	Description	Part No.
	1	Bonnet	See Contrast table (2)
	2	•••••	
	3	Insulator	See Contrast table (2)
	4	Screw	See Contrast table (2)
	5	•••••	
	6	Screw	BBZ30P080FCC
	7	Screw	IBP30P090FCC
	8	•••••	
	9	•••••	
	10	4P Shield Cable	See Contrast table (2)
	11	Screw	BBT30P080FNI

(2) CONTRAST TABLE

VSX-1017AV-K/HYXJ5, VSX-1017AV-S/HYXJ5, VSX-1017TXV-K/KUXJ and VSX-90TXV/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-1017AV-K/ HYXJ5	VSX-1017AV-S/ HYXJ5	VSX-1017TXV-K/ KUXJ	VSX-90TXV/ KUXJ/CA
	1	Bonnet 81B	AZN8021	Not used	AZN8021	AZN8021
	1	Bonnet 2016S	Not used	AZN8020	Not used	Not used
	3	Insulator	PNW2766	PNW2766	PNW2766	AMR7198
	4	Screw	BCZ40P060FTB	BCZ40P060FNI	BCZ40P060FTB	BCZ40P060FTB
	10	4P Shield Cable	XDX3028	XDX3028	Not used	Not used

9.3 CHASSIS SECTION



(1) CHASSIS SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	PRIMARY Assy	See Contrast table (2)
	2	TRANS 1 Assy	AWX9038
	3	TRANS 2-1 Assy	See Contrast table (2)
	4	TRANS 2-2 Assy	AWX9062
	5	DIODE 1 Assy	AWX9060
	6	PS/SP Assy	See Contrast table (2)
	7	DC/DC Assy	AWX9015
	8	LOCAL P-SUPPLY Assy	See Contrast table (2)
	9	GUARD-C Assy	AWX8839
	10	GUARD-F Assy	AWX8838
	11	BRIDGE 1-L Assy	AWX9079
	12	12V-REG Assy	AWX8824
	13	VH TR Assy	AWX9061
	14	TRANS SIDE Assy	AWX9056
⚠	15	Fuse (FU1)	See Contrast table (2)
⚠	16	Fuse (FU7,FU8)	See Contrast table (2)
⚠	17	Fuse (FU4)	See Contrast table (2)
⚠	18	Fuse (FU5,FU6)	See Contrast table (2)
⚠	19	Power Transformer (T1501)	See Contrast table (2)
⚠	20	AC Power Cord	See Contrast table (2)
	21	Cord Stopper	See Contrast table (2)
	22	Primary Angle 56	ANG7526
NSP	23	Wire Saddle	DEC1450
	24	DSP Shield 1017	ANG7587
	25	Cushion Circle 14B	AED7081
	26	SP Sheet 2016	AEC7560
	27	Nyron Rivet	AEC7408
	28	Nyron Rivet	AEC7406
	29	Locking Card Spacer	PNW2917
	30	PCB Mold	AMR2534
	31	Inter Holder A	AMR7500
	32	Inter Holder B	AMR7501
	33	Card Spacer	DNK2769
NSP	34	Under Base 2016	ANA7189
NSP	35	Panel Stay 2016	AND7082
	36	Side Clamp	DEC2007
	37	Under Beam V1	ANG7478
NSP	38	Trans Frame 74	ANG7539
NSP	39	Binder	ZCA-BK1
	40	Screw 3x15	ABA7100
	41	Screw 4x12	ABA7109
	42	Primary Barrier	See Contrast table (2)
	43	Shield Case	See Contrast table (2)
	44	Bridge Spacer	AEB7201
	46	Screw	BBT30P100FCC
	47	Screw	BBZ30P080FCC
	51	GUARD-R Assy	AWX8840
NSP	52	Fuse Card	See Contrast table (2)
NSP	53	Fuse Card	See Contrast table (2)
NSP	54	Fuse Card	See Contrast table (2)
NSP	55	Fuse Card	See Contrast table (2)

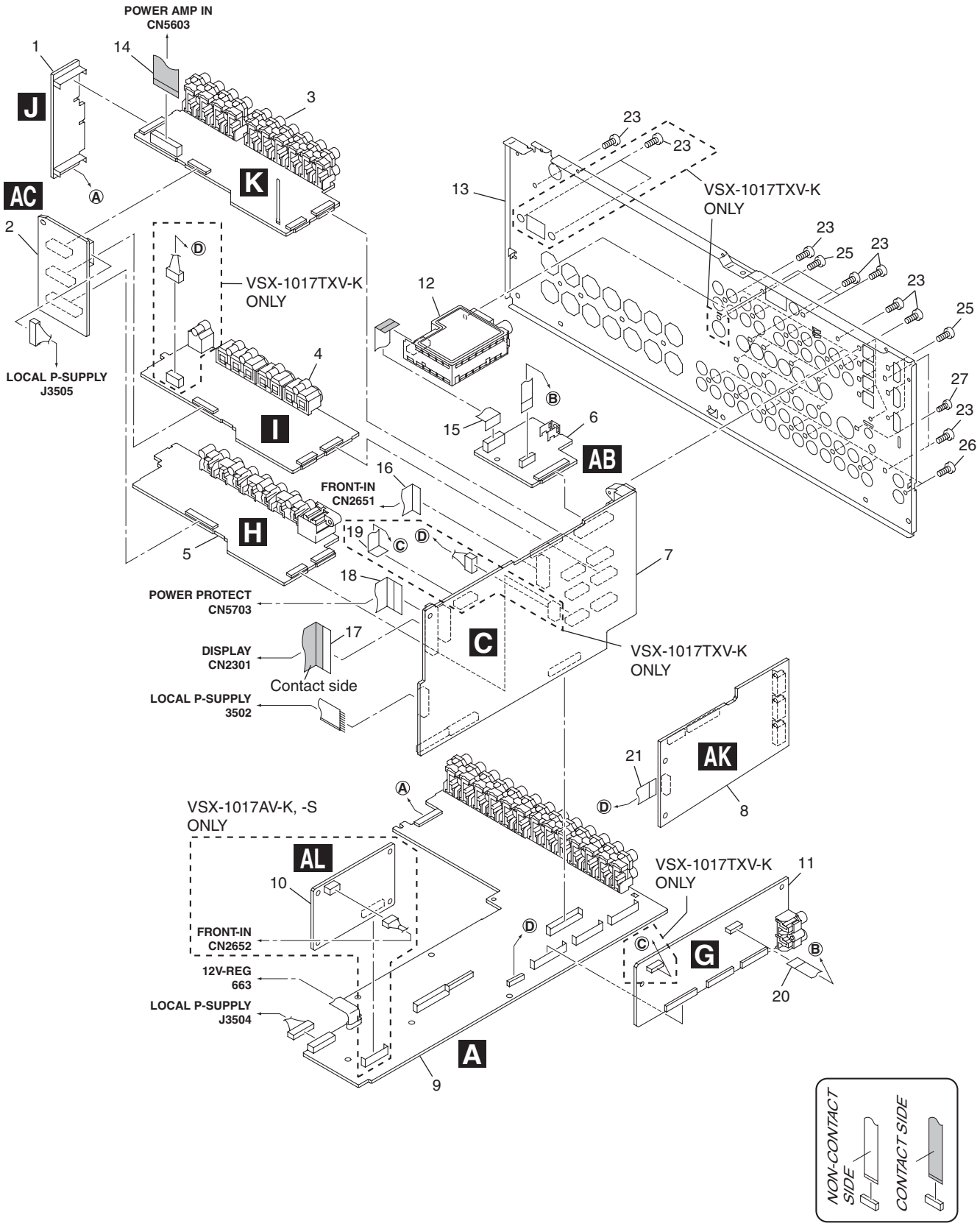
(2) CONTRAST TABLE

VSX-1017AV-K/HYXJ5, VSX-1017AV-S/HYXJ5, VSX-1017TXV-K/KUXJ and VSX-90TXV/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-1017AV-K/ HYXJ5	VSX-1017AV-S/ HYXJ5	VSX-1017TXV-K/ KUXJ	VSX-90TXV/ KUXJ/CA
	1	PRIMARY Assy	AWX9086	AWX9086	AWX9085	AWX9085
	3	TRANS 2-1 Assy	AWX9059	AWX9059	AWX9058	AWX9058
	6	PS/SP Assy	AWX9108	AWX9108	AWX9054	AWX9054
	8	LOCAL P-SUPPLY Assy	AWX9064	AWX9064	AWX9063	AWX9063
⚠	15	Fuse (FU1: T5 A L 250 V)	REK1029	REK1029	Not used	Not used
⚠	15	Fuse (FU1: 10 A/125 V)	Not used	Not used	REK1154	REK1154
⚠	16	Fuse (FU7,FU8: T2.5 A L 250 V)	REK1026	REK1026	Not used	Not used
⚠	16	Fuse (FU7,FU8: 2.5 A/125 V)	Not used	Not used	REK1146	REK1146
⚠	17	Fuse (FU4: T4 A L 250 V)	REK1028	REK1028	Not used	Not used
⚠	17	Fuse (FU4: 5 A/125 V)	Not used	Not used	REK1067	REK1067
⚠	18	Fuse (FU5,FU6: T800 mA L 250 V)	REK1021	REK1021	Not used	Not used
⚠	18	Fuse (FU5,FU6: 1.25 A/125 V)	Not used	Not used	REK1143	REK1143
⚠	19	Power Transformer (T1501)	ATS7408	ATS7408	ATS7407	ATS7407
⚠	20	AC Power Cord	VDG1080	VDG1080	VDG1075	VDG1075
	21	Cord Stopper	CM-22B	CM-22B	CM-22C	CM-22C
	42	Primary Barrier	AEC7569	AEC7569	Not used	Not used
	43	Shield Case	AMR7526	AMR7526	Not used	Not used
NSP	52	Fuse Card	AAX7098	AAX7098	Not used	Not used
NSP	53	Fuse Card	AAX7277	AAX7277	Not used	Not used
NSP	54	Fuse Card	AAX7099	AAX7099	Not used	Not used
NSP	55	Fuse Card	AAX2367	AAX2367	Not used	Not used

9.4 REAR SECTION

• VSX-1017AV-K, -S, VSX-1017TXV-K



(1) REAR SECTION PARTS LIST

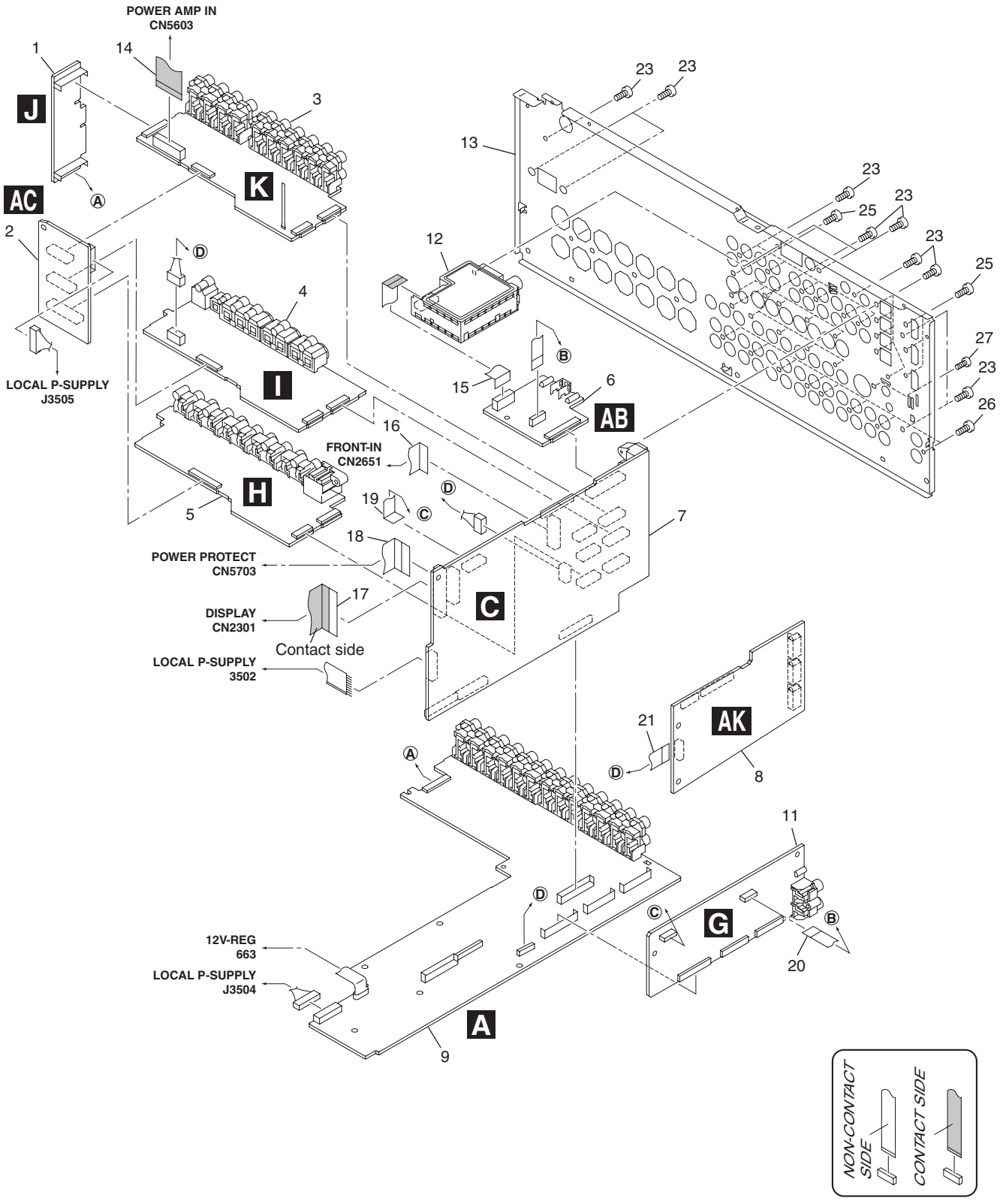
Mark	No.	Description	Part No.
	1	BRIDGE 2 Assy	AWX8850
	2	VIDEO CONNECT Assy	AWX9069
	3	COMPONENT Assy	See Contrast table (2)
	4	S-VIDEO Assy	See Contrast table (2)
	5	COMPOSITE Assy	See Contrast table (2)
	6	IR I/O Assy	See Contrast table (2)
	7	MAIN CONTROL Assy	See Contrast table (2)
	8	HDMI & DVC Assy	AWQ7039
	9	AUDIO IN Assy	See Contrast table (2)
	10	USB Assy	See Contrast table (2)
	11	DSP Assy	See Contrast table (2)
	12	FM/AM Tuner Unit	See Contrast table (2)
	13	Rear Panel	See Contrast table (2)
	14	19P FFC/60V (J58)	ADD7535
	15	11P FFC/60V (J59)	ADD7536
	16	17P FFC/60V (J54)	ADD7540
	17	29P FFC/60V (J55)	ADD7532
	18	19P FFC/60V (J56)	ADD7533
	19	12P FFC/60V (J52)	See Contrast table (2)
	20	10P FFC/60V (J51)	ADD7528
	21	9P FFC/60V (J53)	ADD7547
	23	Screw	BBZ30P080FCC
	25	Screw	PMZ30P060FCC
	26	Screw	BBT30P080FNI
	27	Screw	BBZ26P080FCC

(2) CONTRAST TABLE

VSX-1017AV-K/HYXJ5, VSX-1017AV-S/HYXJ5 and VSX-1017TXV-K/KUXJ are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-1017AV-K/ HYXJ5	VSX-1017AV-S/ HYXJ5	VSX-1017TXV-K/ KUXJ
	3	COMPONENT Assy	AWX8862	AWX8862	AWX8860
	4	S-VIDEO Assy	AWX8858	AWX8858	AWX8856
	5	COMPOSITE Assy	AWX8854	AWX8854	AWX8852
	6	IR I/O Assy	AWX9067	AWX9067	AWX9101
	7	MAIN CONTROL Assy	AWX8829	AWX8829	AWX8827
	9	AUDIO IN Assy	AWX8834	AWX8834	AWX8832
	10	USB Assy	AWX8866	AWX8866	Not used
	11	DSP Assy	AWX8806	AWX8806	AWX8805
	12	FM/AM Tuner Unit	AXX7248	AXX7248	AXX7250
	13	Rear Panel 1017KHY	ANC8475	Not used	Not used
	13	Rear Panel 1017SHY	Not used	ANC8476	Not used
	13	Rear Panel 1017KKU	Not used	Not used	ANC8474
	19	12P FFC/60V (J52)	Not used	Not used	ADD7529

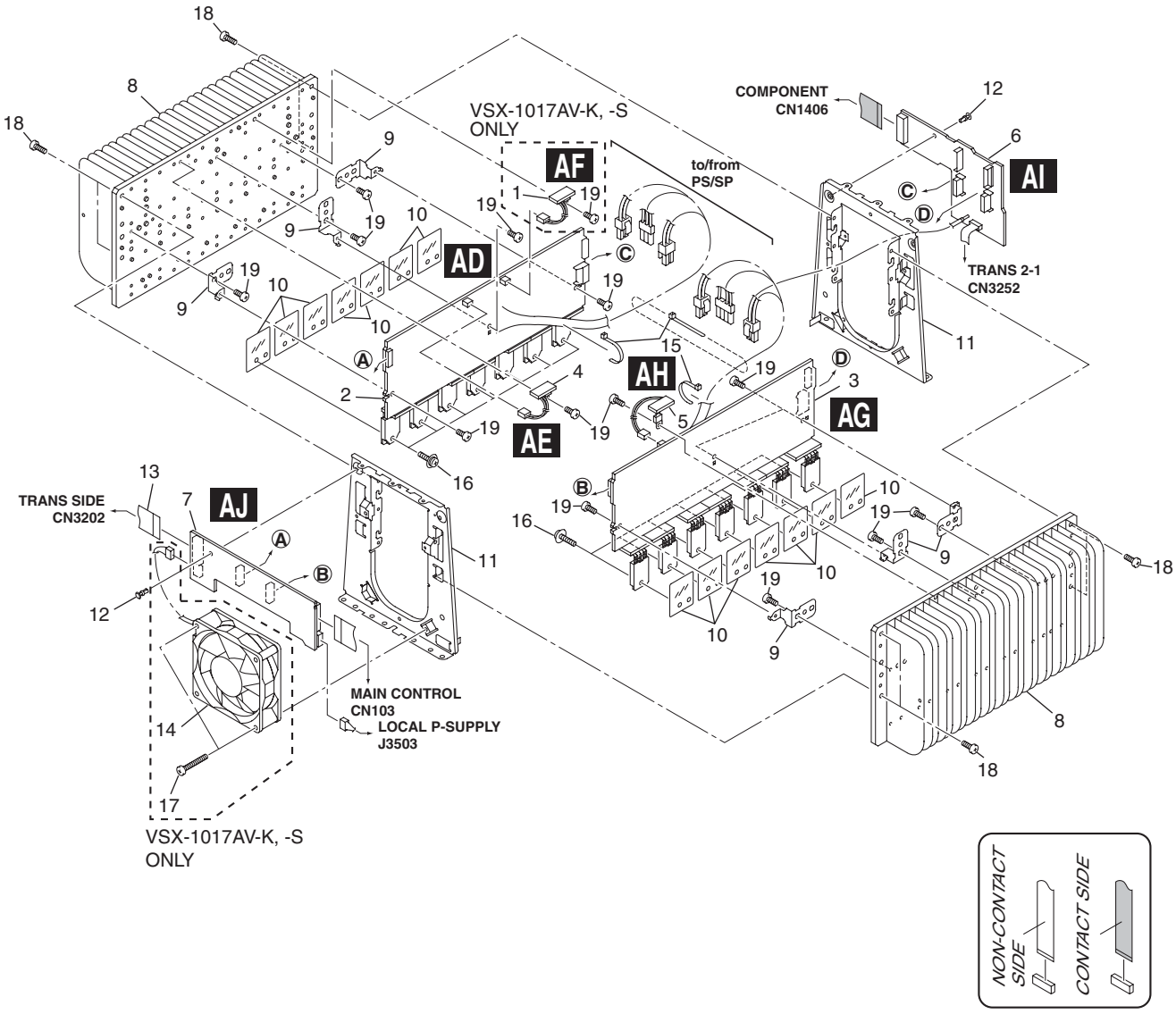
• VSX-90TXV


POWER AMP IN
CN5603
1
14
3
J
K
AC
2
LOCAL P-SUPPLY
J3505
4
I
H
5
16
FRONT-IN
CN2651
19
18
POWER PROTECT
CN5703
17
DISPLAY
CN2301
Contact side
LOCAL P-SUPPLY
3502
12V-REG
663
LOCAL P-SUPPLY
J3504
9
A
C
7
12
13
23
25
27
26
15
6
AB
21
AK
8
11
G
20
NON-CONTACT SIDE
CONTACT SIDE

(1) REAR SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	BRIDGE 2 Assy	AWX8850
	2	VIDEO CONNECT Assy	AWX9069
	3	COMPONENT Assy	AWX8860
	4	S-VIDEO Assy	AWX8857
	5	COMPOSITE Assy	AWX8853
	6	IR I/O Assy	AWX9066
	7	MAIN CONTROL Assy	AWX8828
	8	HDMI & DVC Assy	AWQ7039
	9	AUDIO IN Assy	AWX8833
	10	•••••	
	11	DSP Assy	AWX8805
	12	FM/AM Tuner Unit	AXX7250
	13	Rear Panel 90KU	ANC8473
	14	19P FFC/60V (J58)	ADD7535
	15	11P FFC/60V (J59)	ADD7536
	16	17P FFC/60V (J54)	ADD7540
	17	29P FFC/60V (J55)	ADD7532
	18	19P FFC/60V (J56)	ADD7533
	19	12P FFC/60V (J52)	ADD7529
	20	10P FFC/60V (J51)	ADD7528
	21	9P FFC/60V (J53)	ADD7547
	22	•••••	
	23	Screw	BBZ30P080FCC
	24	•••••	
	25	Screw	PMZ30P060FCC
	26	Screw	BBT30P080FNI
	27	Screw	BBZ26P080FCC

9.5 POWER AMP SECTION



(1) POWER AMP SECTION PARTS LIST

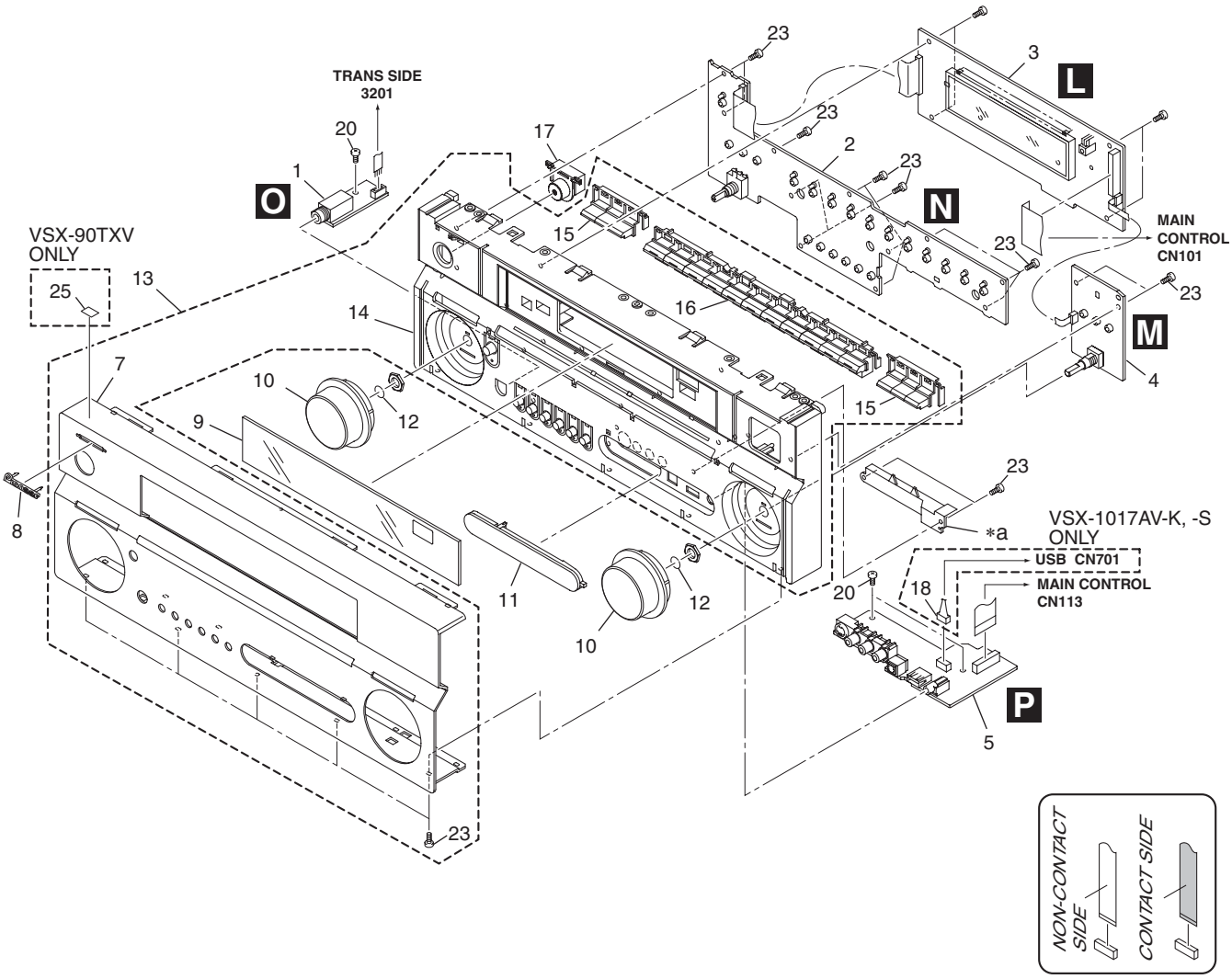
Mark	No.	Description	Part No.
	1	POSI 2-L Assy	See Contrast table (2)
	2	POWER AMP-L Assy	See Contrast table (2)
	3	POWER AMP-R Assy	See Contrast table (2)
	4	POSI 1-L Assy	See Contrast table (2)
	5	POSI 1-R Assy	See Contrast table (2)
	6	POWER AMP IN Assy	AWX9075
	7	POWER PROTECT Assy	See Contrast table (2)
NSP	8	Heat Sink 45	ANH7152
	9	PCB Angle 45	ANG7406
	10	Mica Sheet 45	AEE7047
	11	H.S. Angle 2016	ANG7547
	12	Nyron Rivet	AEC7408
	13	17P FFC/60V (J57)	ADD7534
⚠	14	DC Fan Motor	See Contrast table (2)
NSP	15	Binder	ZCA-BK1
	16	Screw 3X19	ABA7085
	17	Screw	See Contrast table (2)
	18	Screw	BBT30P100FCC
	20	Screw	BBZ30P080FCC

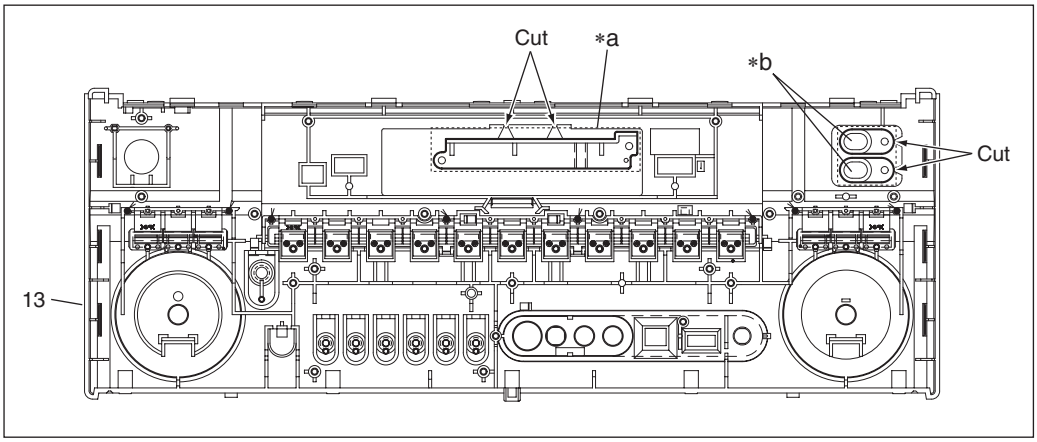
(2) CONTRAST TABLE

VSX-1017AV-K/HYXJ5, VSX-1017AV-S/HYXJ5, VSX-1017TXV-K/KUXJ and VSX-90TXV/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-1017AV-K/ HYXJ5	VSX-1017AV-S/ HYXJ5	VSX-1017TXV-K/ KUXJ	VSX-90TXV/ KUXJ/CA
	1	POSI 2-L Assy	AWX9082	AWX9082	Not used	Not used
	2	POWER AMP-L Assy	AWX9072	AWX9072	AWX9071	AWX9071
	3	POWER AMP-R Assy	AWX9073	AWX9073	AWX9106	AWX9106
	4	POSI 1-L Assy	AWX9081	AWX9081	AWX9080	AWX9080
	5	POSI 1-R Assy	AWX9084	AWX9084	AWX9083	AWX9083
	7	POWER PROTECT Assy	AWX9077	AWX9077	AWX9076	AWX9076
⚠	14	DC Fan Motor	AXM7029	AXM7029	Not used	Not used
	17	Screw	BBZ30P300FTC	BBZ30P300FTC	Not used	Not used

9.6 FRONT PANEL SECTION





(1) FRONT PANEL SECTION PARTS LIST

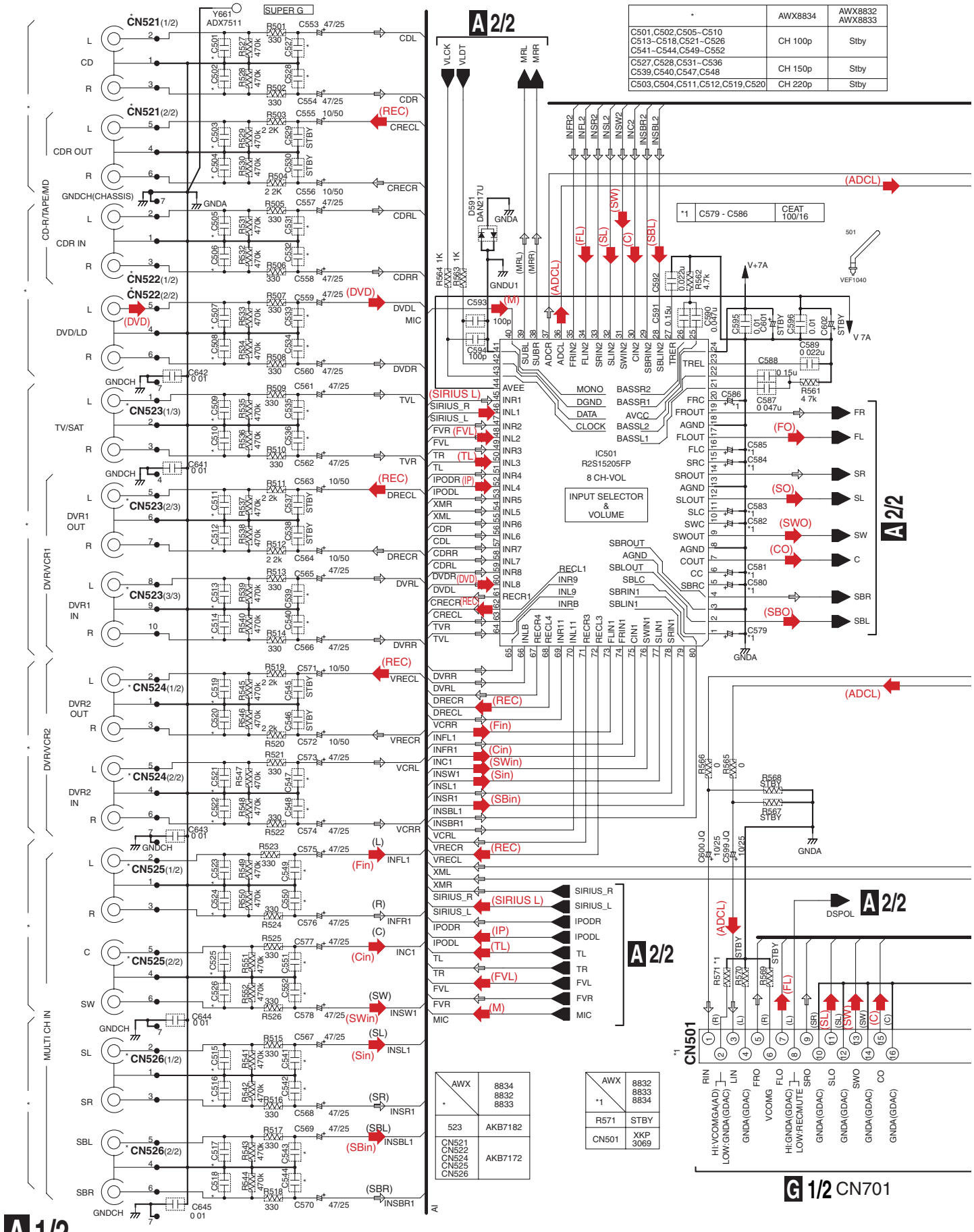
Mark	No.	Description	Part No.
	1	HEADPHONE Assy	AWX9049
	2	MULTI JOG Assy	See Contrast table (2)
	3	DISPLAY Assy	See Contrast table (2)
	4	VOLUME Assy	See Contrast table (2)
	5	FRONT-IN Assy	See Contrast table (2)
NSP	7	F Panel	See Contrast table (2)
	8	Pioneer Name Plate	See Contrast table (2)
	9	Window	See Contrast table (2)
	10	Vol. Knob	See Contrast table (2)
	11	Input Cover	See Contrast table (2)
NSP	12	C Ring	XBH3016
	13	Panel Assy	See Contrast table (2)
NSP	14	P Base	See Contrast table (2)
NSP	15	Side Button	See Contrast table (2)
NSP	16	Func BTN Assy	See Contrast table (2)
	17	Standby BTN Assy	See Contrast table (2)
	18	4P Shield Cable (J61)	See Contrast table (2)
	20	Screw	BBZ30P080FCC
	23	Screw	PPZ30P080FNI
NSP	25	Energy Star Label	See Contrast table (2)

(2) CONTRAST TABLE

VSX-1017AV-K/HYXJ5, VSX-1017AV-S/HYXJ5, VSX-1017TXV-K/KUXJ and VSX-90TXV/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-1017AV-K/ HYXJ5	VSX-1017AV-S/ HYXJ5	VSX-1017TXV-K/ KUXJ	VSX-90TXV/ KUXJ/CA
	2	MULTI JOG Assy	AWX8881	AWX8882	AWX8881	AWX8881
	3	DISPLAY Assy	AWX8878	AWX8878	AWX8876	AWX8877
	4	VOLUME Assy	AWX9044	AWX9111	AWX9044	AWX9044
	5	FRONT-IN Assy	AWX8955	AWX8955	AWX8954	AWX8954
NSP	7	F Panel 1017KHY	AMB7958	Not used	Not used	Not used
NSP	7	F Panel 1017SHY	Not used	AMB7959	Not used	Not used
NSP	7	F Panel 1017KKU	Not used	Not used	AMB7957	Not used
NSP	7	F Panel 90KU	Not used	Not used	Not used	AMB7956
	8	Pioneer Name Plate	XAM3006	VAM1129	XAM3006	VAM1109
	9	Window 1017HY	AAK8385	AAK8385	Not used	Not used
	9	Window 1017KU	Not used	Not used	AAK8384	Not used
	9	Window 90KU	Not used	Not used	Not used	AAK8383
	10	Vol. Knob 1017B	AAA7049	Not used	AAA7049	AAA7049
	10	Vol. Knob 1017S	Not used	AAA7048	Not used	Not used
	11	Input Cover V3K	XAK3532	Not used	Not used	Not used
	11	Input Cover SN	Not used	XAK3589	Not used	Not used
	11	Input Cover 81K	Not used	Not used	Not used	AAK8355
	13	Panel 1017KHY Assy	AXG7340	Not used	Not used	Not used
	13	Panel 1017SHY Assy	Not used	AXG7341	Not used	Not used
	13	Panel 1017KKU Assy	Not used	Not used	AXG7339	Not used
	13	Panel 90KU Assy	Not used	Not used	Not used	AXG7338
NSP	14	P Base 1016KPW	AMB7926	Not used	Not used	Not used
NSP	14	P Base 2016SHY	Not used	AMB7920	Not used	Not used
NSP	14	P Base 9110KKU	Not used	Not used	AMB7921	Not used
NSP	14	P Base 81KKU	Not used	Not used	Not used	AMB7919
NSP	15	Side Button K	AAD7761	Not used	AAD7761	AAD7761
NSP	15	Side Button SN	Not used	AAD7784	Not used	Not used
NSP	16	Func BTN K Assy	AAD7758	Not used	AAD7758	AAD7758
NSP	16	Func BTN S Assy	Not used	AAD7757	Not used	Not used
	17	Standby BTN 915K Assy	XAD3216	Not used	XAD3216	XAD3216
	17	Standby BTN 915P Assy	Not used	XAD3217	Not used	Not used
	18	4P Shield Cable (J61)	XDX3028	XDX3028	Not used	Not used
NSP	25	Energy Star Label	Not used	Not used	Not used	AAX8022

10. SCHEMATIC DIAGRAM
10.1 AUDIO IN ASSY (1/2)



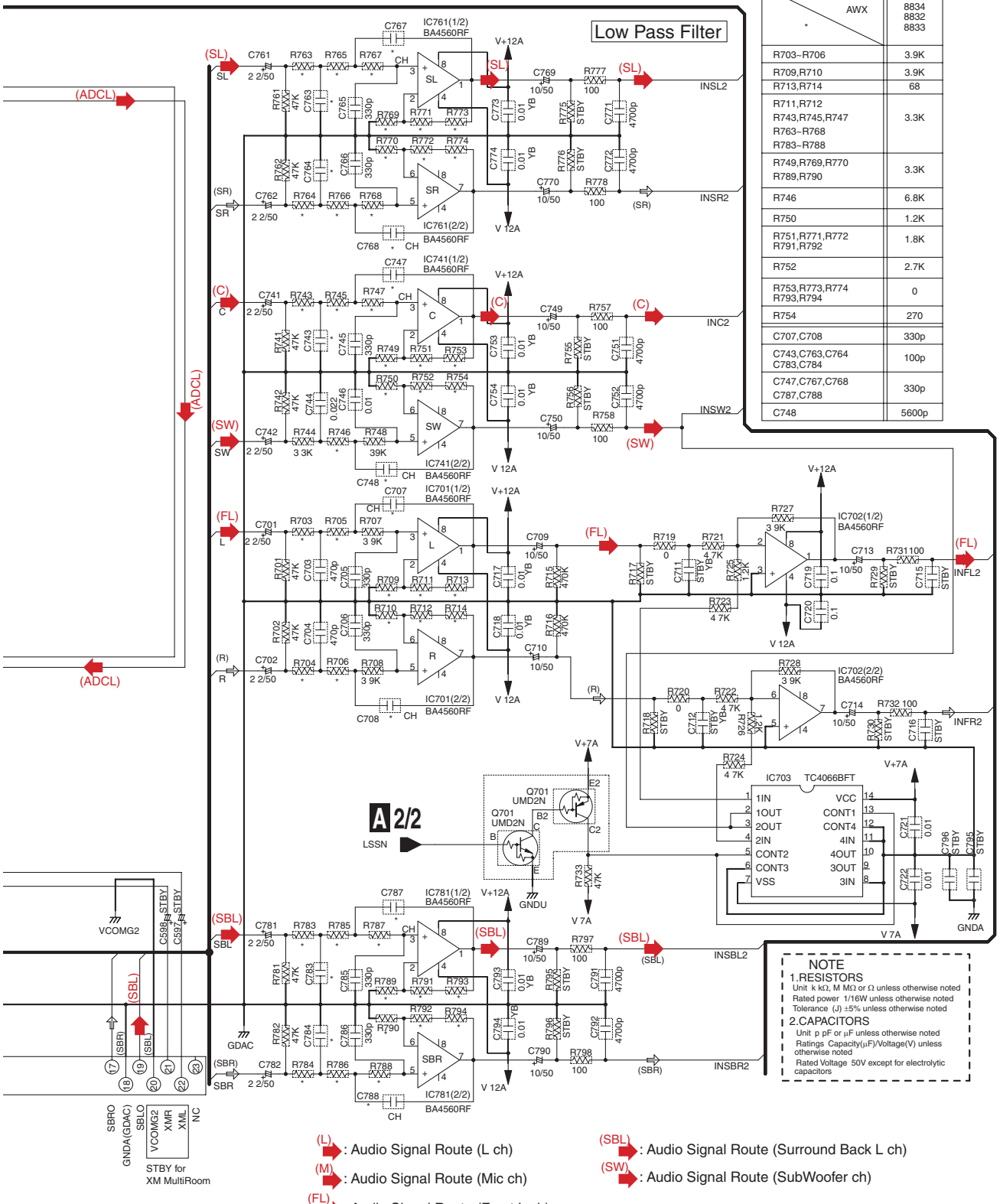
*	AWX8834	AWX8832 AWX8833
C501,C502,C505~C510 C513~C518,C521~C526 C541~C544,C549~C552	CH 100p	Stby
C527,C528,C531~C536 C539,C540,C547,C548	CH 150p	Stby
C503,C504,C511,C512,C519,C520	CH 220p	Stby

*1	C579 - C586	CEAT 100/16

*	AWX 8834 8832 8833
523	AKB7182
CN521 CN522 CN524 CN525 CN526	AKB7172

AWX *1	8832 8833 8834
R571	STBY
CN501	XKP 3069

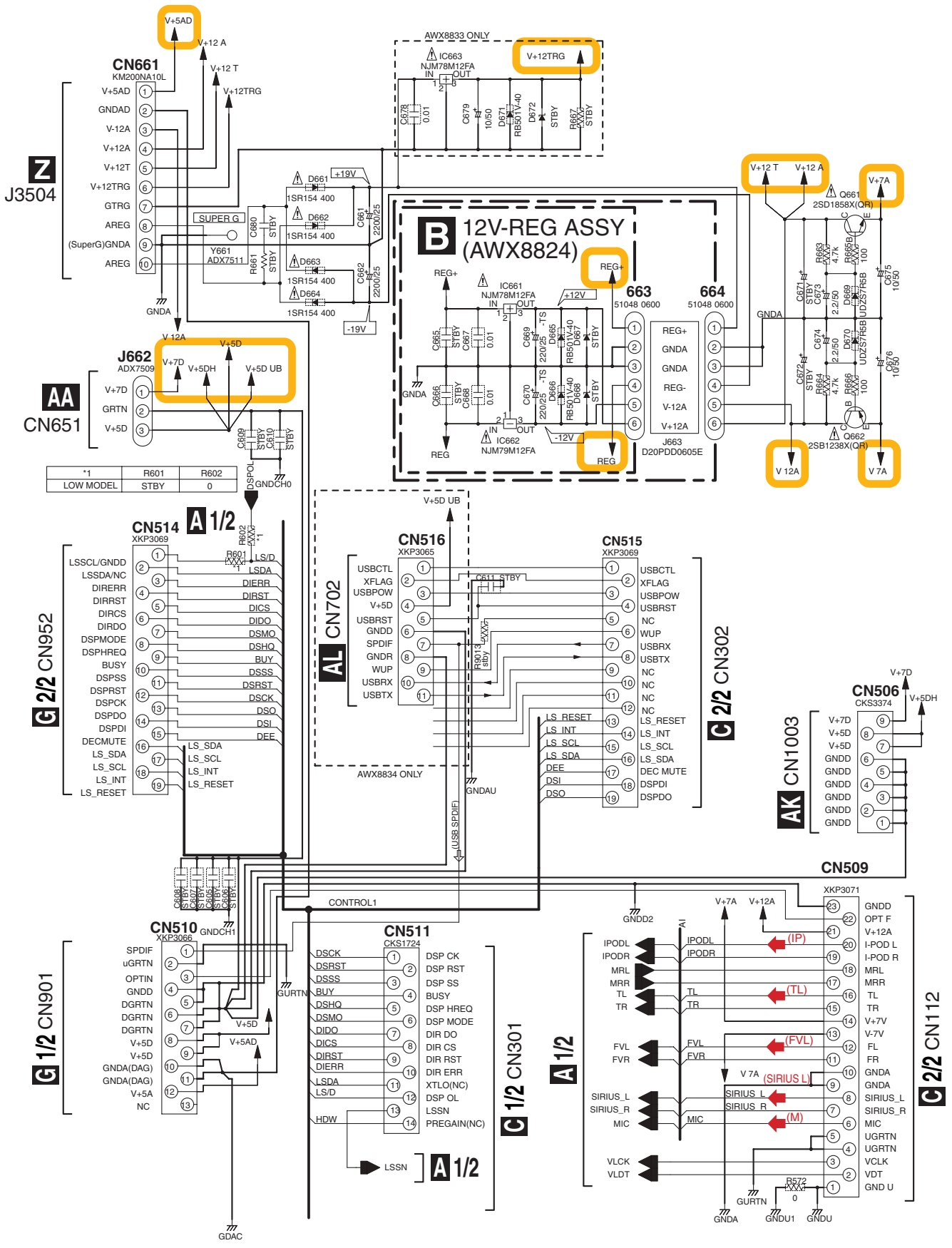
A 1/2 AUDIO IN ASSY
(VSX-1017AV-K, VSX-1017AV-S : AWX8834)
(VSX-1017TXV-K : AWX8832)
(VSX-90TXV : AWX8833)



AWX *	8834 8832 8833
R703~R706	3.9K
R709,R710	3.9K
R713,R714	68
R711,R712 R743,R745,R747 R763~R768 R783~R788	3.3K
R749,R769,R770 R789,R790	3.3K
R746	6.8K
R750	1.2K
R751,R771,R772 R791,R792	1.8K
R752	2.7K
R753,R773,R774 R793,R794	0
R754	270
C707,C708	330p
C743,C763,C764 C783,C784	100p
C747,C767,C768 C787,C788	330p
C748	5600p

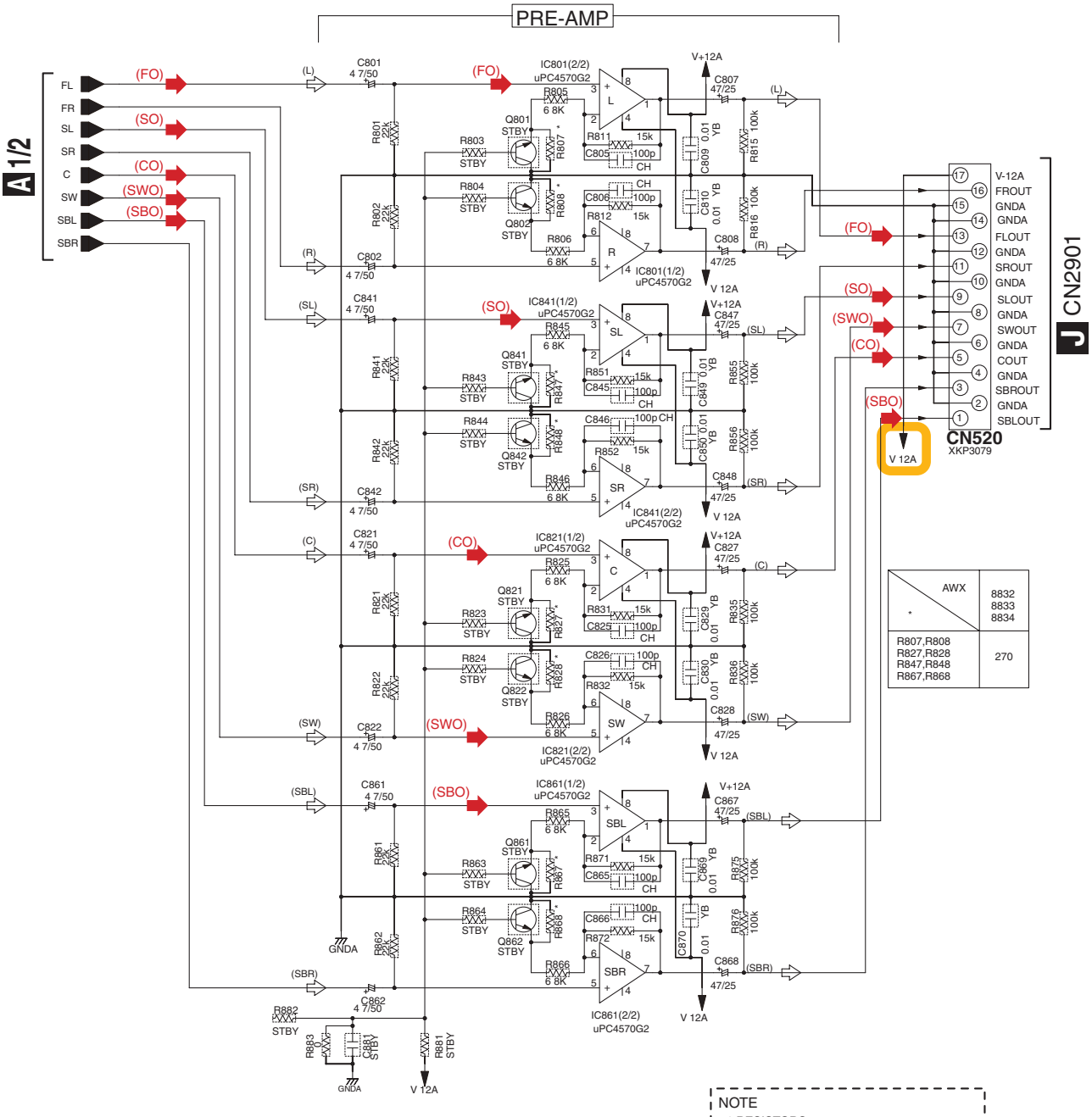
(L) : Audio Signal Route (L ch)
(M) : Audio Signal Route (Mic ch)
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)

10.2 AUDIO IN (2/2) and 12V-REG ASSYS



A 2/2 B

A 2/2 AUDIO IN ASSY
(VSX-1017AV-K, VSX-1017AV-S : AWX8834)
(VSX-1017TXV-K : AWX8832)
(VSX-90TXV : AWX8833)

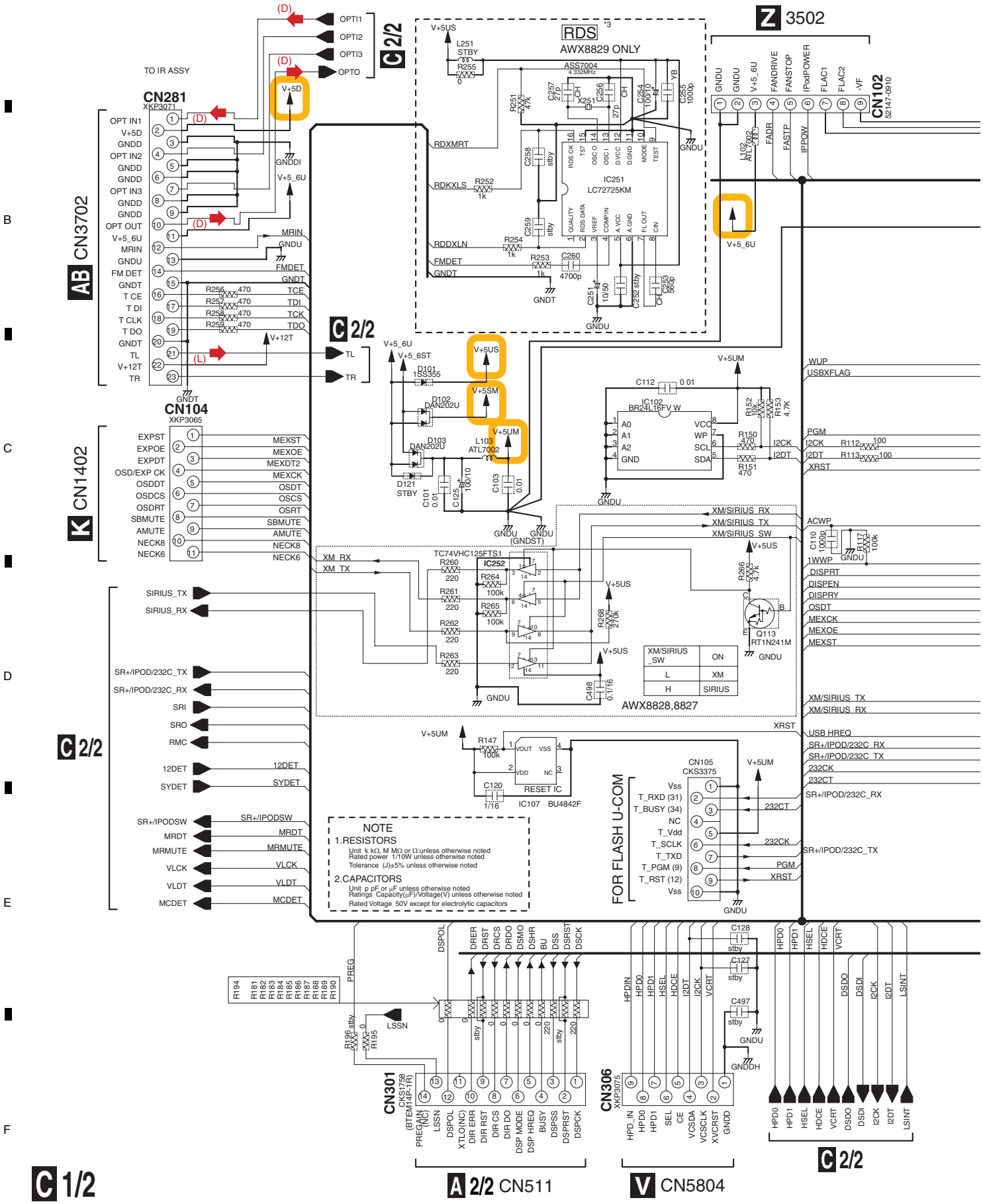


AWX *	8832 8833 8834
R807,R808 R827,R828 R847,R848 R867,R868	270

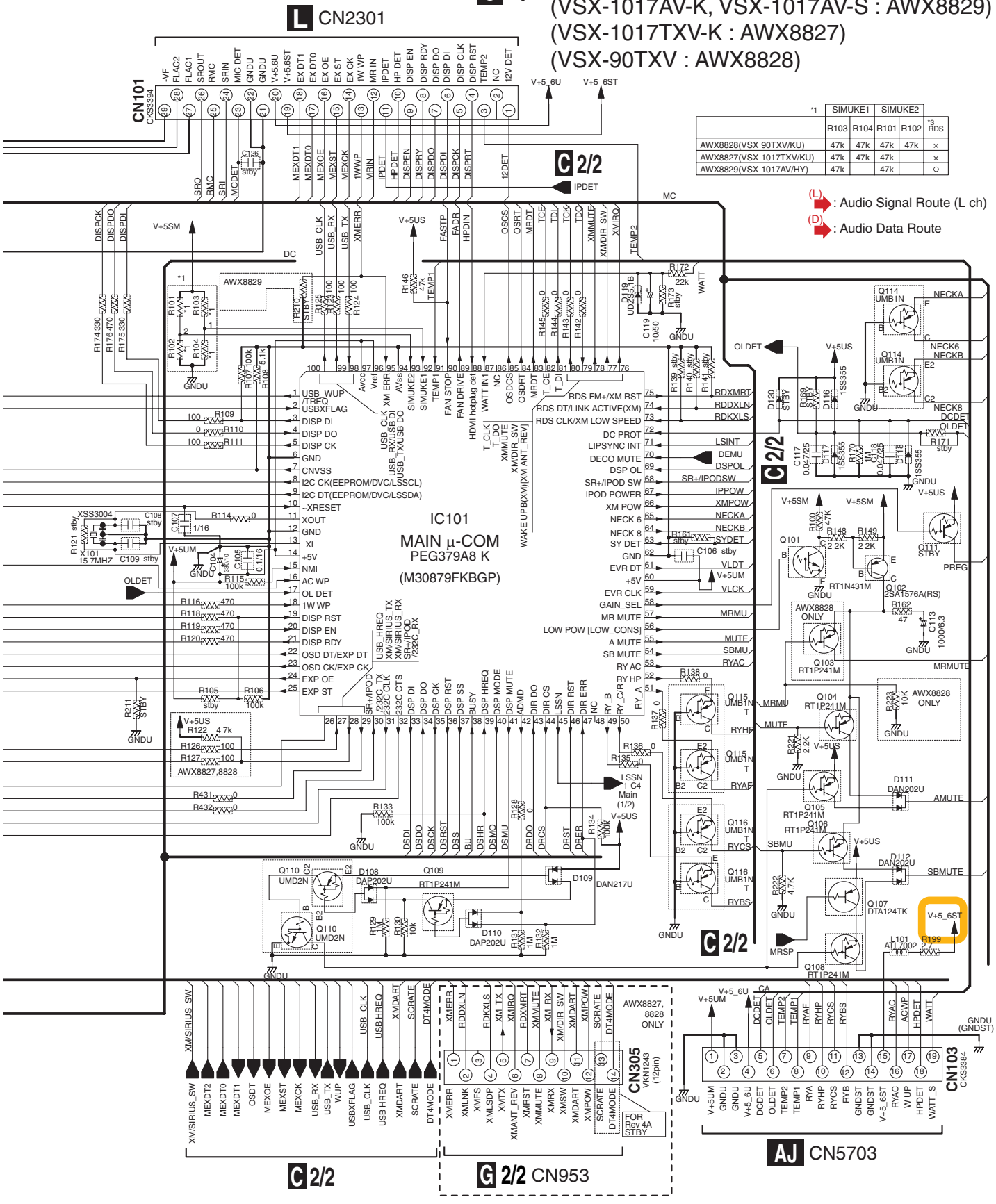
(L) : Audio Signal Route (L ch)
(M) : Audio Signal Route (Mic ch)
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)

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 Capac ty(μF)/Voltage(V) unless otherwise noted
Rated Vo tage 50V except for electrolytic capacitors

10.3 MAIN CONTROL ASSY (1/2)

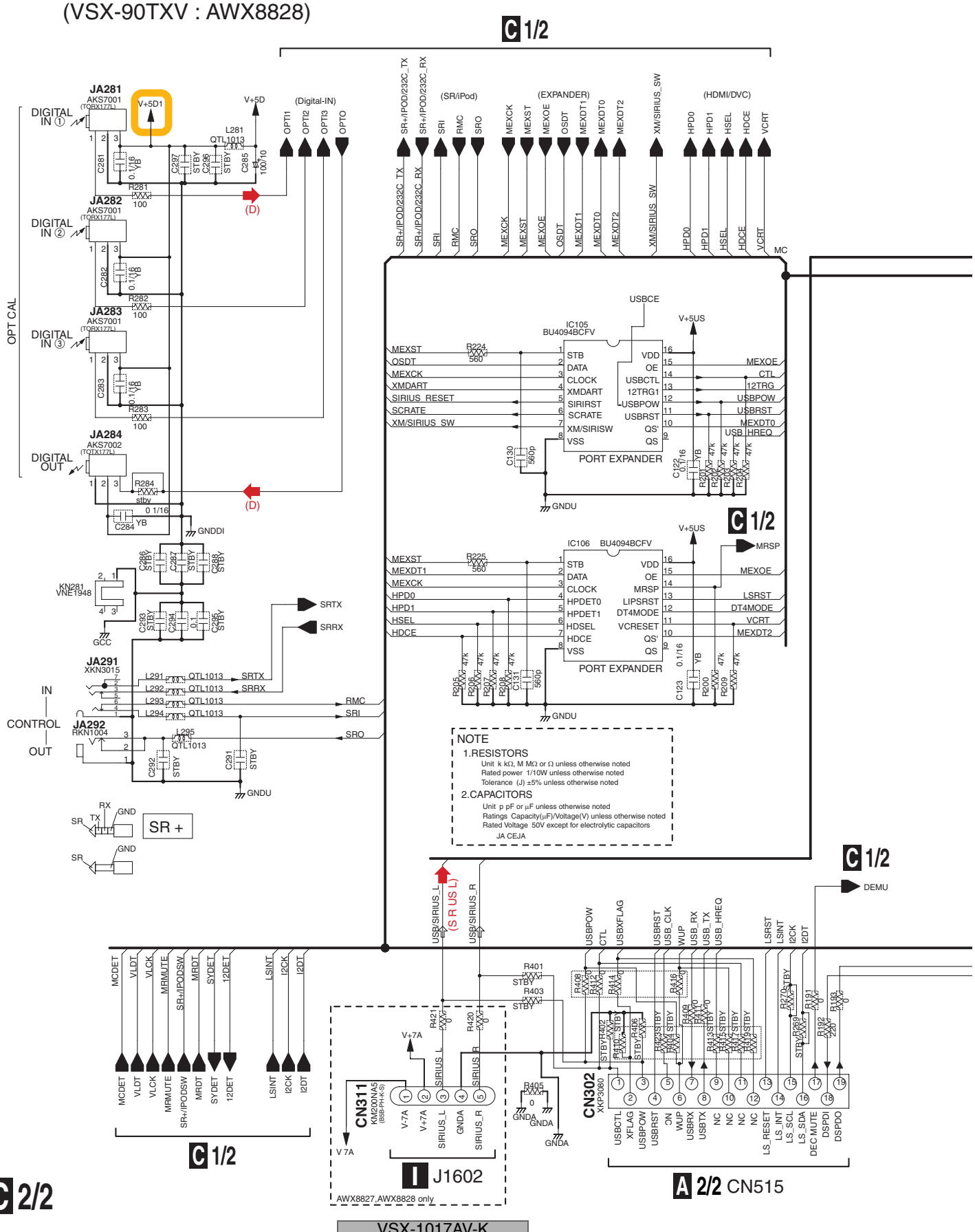


C 1/2 MAIN CONTROL ASSY
(VSX-1017AV-K, VSX-1017AV-S : AWX8829)
(VSX-1017TXV-K : AWX8827)
(VSX-90TXV : AWX8828)



10.4 MAIN CONTROL (2/2), GUARD-C and GUARD-F and GUARD-R ASSYS

C 2/2 MAIN CONTROL ASSY
(VSX-1017AV-K, VSX-1017AV-S : AWX8829)
(VSX-1017TXV-K : AWX8827)
(VSX-90TXV : AWX8828)



C 2/2

D GUARD-C ASSY (AWX8839)

E GUARD-F ASSY (AWX8838)

F GUARD-R ASSY (AWX8840)

101 VEF1040

102 VEF1040

922 STBY

921 VEF1040

923 VEF1040

V CN5802

K CN1401

(L) : Audio Signal Route (L ch)

(M) : Audio Signal Route (Mic ch)

(D) : Audio Data Route

(V) : Video Signal Route

(SY) : S Video Signal Route (Y ch)

(SC) : S Video Signal Route (C ch)

CN106 XKP3082

CVBSIN GNDVC CVBSOUT GNDVC SYIN GNDVC SCIN GNDVC SYOUT GNDVC SCOUT GNDVC YIN GNDVC CbIN GNDVC CrIN GNDVC YOUT GNDVC CbOUT GNDVC CrOUT

CVBSI GNDVC CVBSO GNDVC SYI GNDVC SCI GNDVC SYO GNDVC SCO GNDVC YI GNDVC CBI GNDVC CRI GNDVC YO GNDVC CBO GNDVC CRO

CN107 XKP3066

YIN GNDVC CbIN GNDVC CrIN GNDVC GNDVC GNDVC YOUT GNDVC CbOUT GNDVC CrOUT GNDU

YI GNDVC CBI GNDVC CRI GNDVC GNDVC YO GNDVC CBO GNDVC CRO GNDU

CN108 XKP3066

NC SYNC DET FVC GAV GAV FVY GNDU GNDU NC NC NC NC NC

I CN1201

CN109 XKP3067

NC SIRIUS_RESET SIRIUS_RX SIRIUS_TX 12VDET 12VTRG V+12T GNDVC SCOUT GNDVC SYOUT GNDVC SCIN GNDVC SYIN

I CN1202

CN112 XKP3082

GNDD FOPT V+12A iPodL iPodR MRL MRR TL TR V+7A V-7A FVL FVR GNDA GNDA USB/SIRIUSL USB/SIRIUSR MIC uGRTN uGRTN VLCK VLDT GNDU

A 2/2 CN509

CN113 CKS3382

V+5D FRONT OPT GNDD GNDD FV-C FV-Y FV GAV GAV MICDET MICOUT GNDA GNDA FV-L FV-R V+7A V-7A

P CN2651

CN110 XKP3065

GAV GAV FV V+12A MR R GNDA GNDA MR L MRMUTE VLCK MRDT

H CN1001

CN111 XKP3066

CVBSOUT GNDVC CVBSIN GNDVC iP-RX iP-TX iP-DET V+7A V-7A iPodL GNDA GNDA iPodR

H CN1003

C 1/2 C 2/2 D E F

AWX *	8827 8829	8828
R381 R382	STBY	STBY
R383 R384	STBY	0

SR+/IPODSW	ON
H	SR+
L	IPOD

IC109 TC74VHCT125AFTS1

IC108 TC7S04FU

IC110 TC7SH08FUS1

Q117 RT1N241M

Q118 2SC4081(QR)

DSDI DSDO USB_CLK USB_TX USB_RX WUP USB_XFLAG USB_HREQ XMDART SCRATE DT4MODE

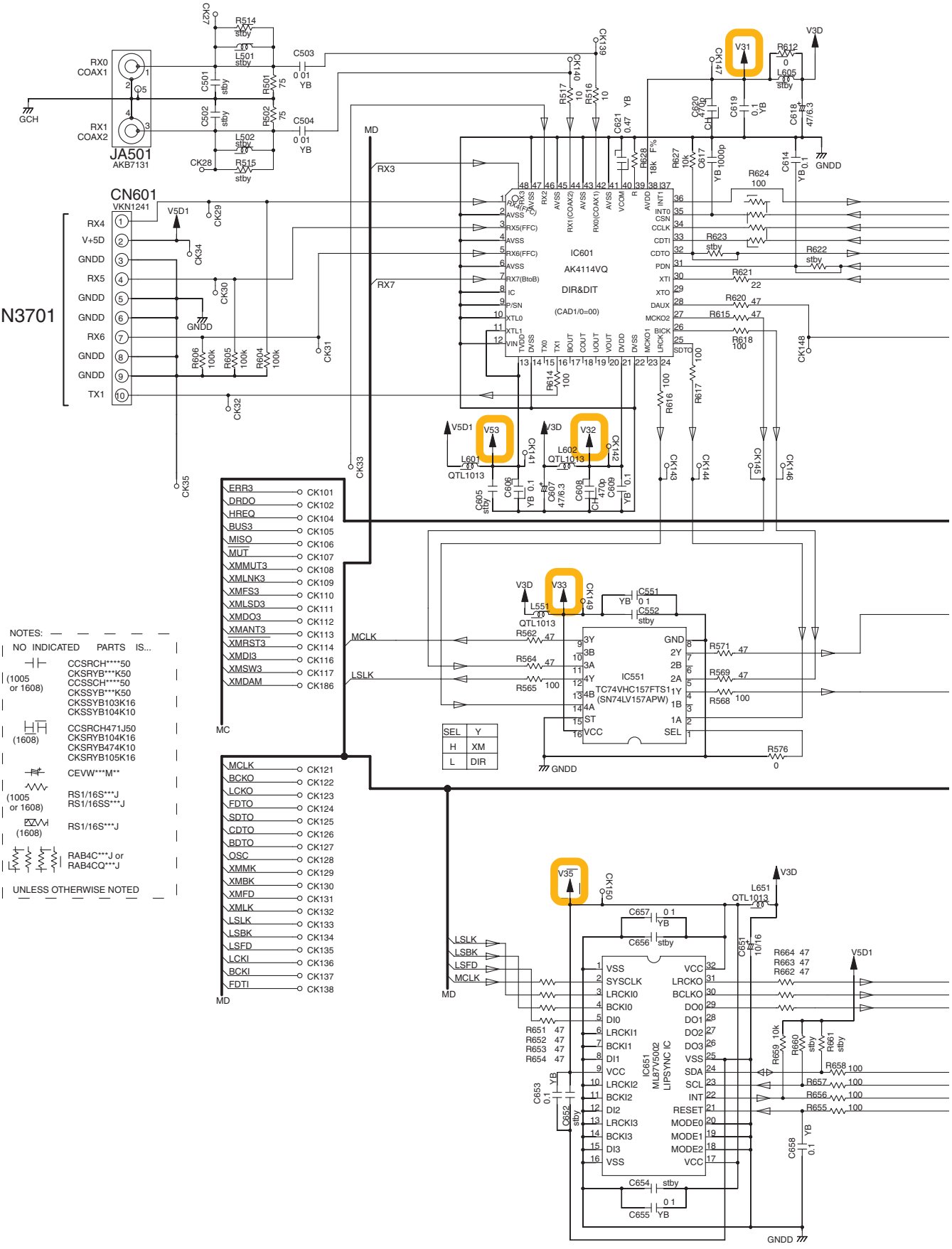
SR+/IPOD/232C_TX SR+/IPOD/232C_RX SR+/IPODSW

SIRIUS_TX SIRIUS_RX SIRIUS_RESET 12DET 12TRG QTL1013 L282 SYDET MCDET MRMUTE VLCK MRDT IPODL IPODR IPDET iP-TX iP-RX SRTX SRRX

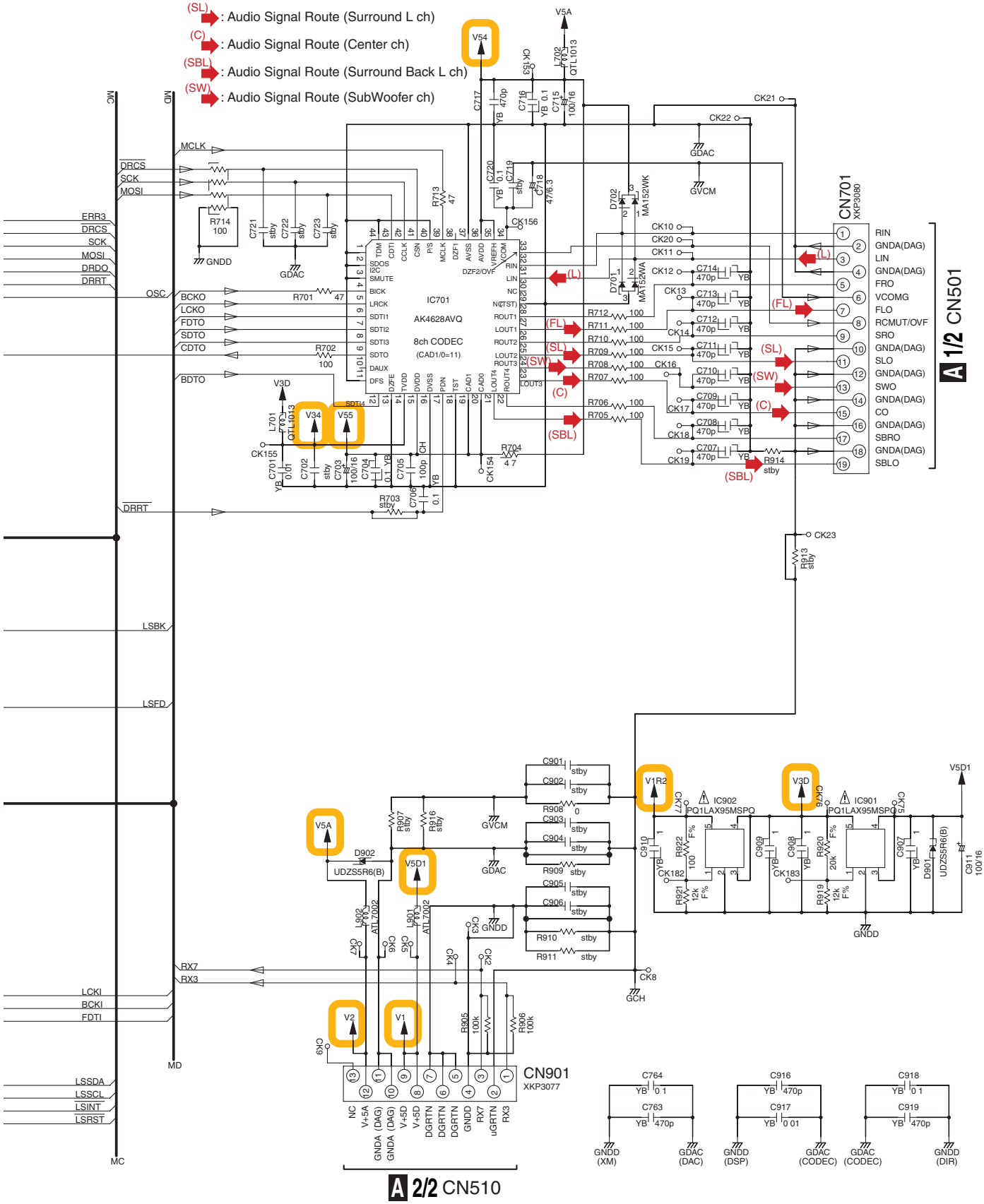
V+12A V+7A V+5D V+5US V+12T V 7A AV GNDU GNDA GAV GNDI (UGRTN)

10.5 DSP ASSY (1/2) (for VSX-1017AV)

G 1/2 DSP ASSY (AWX8806)

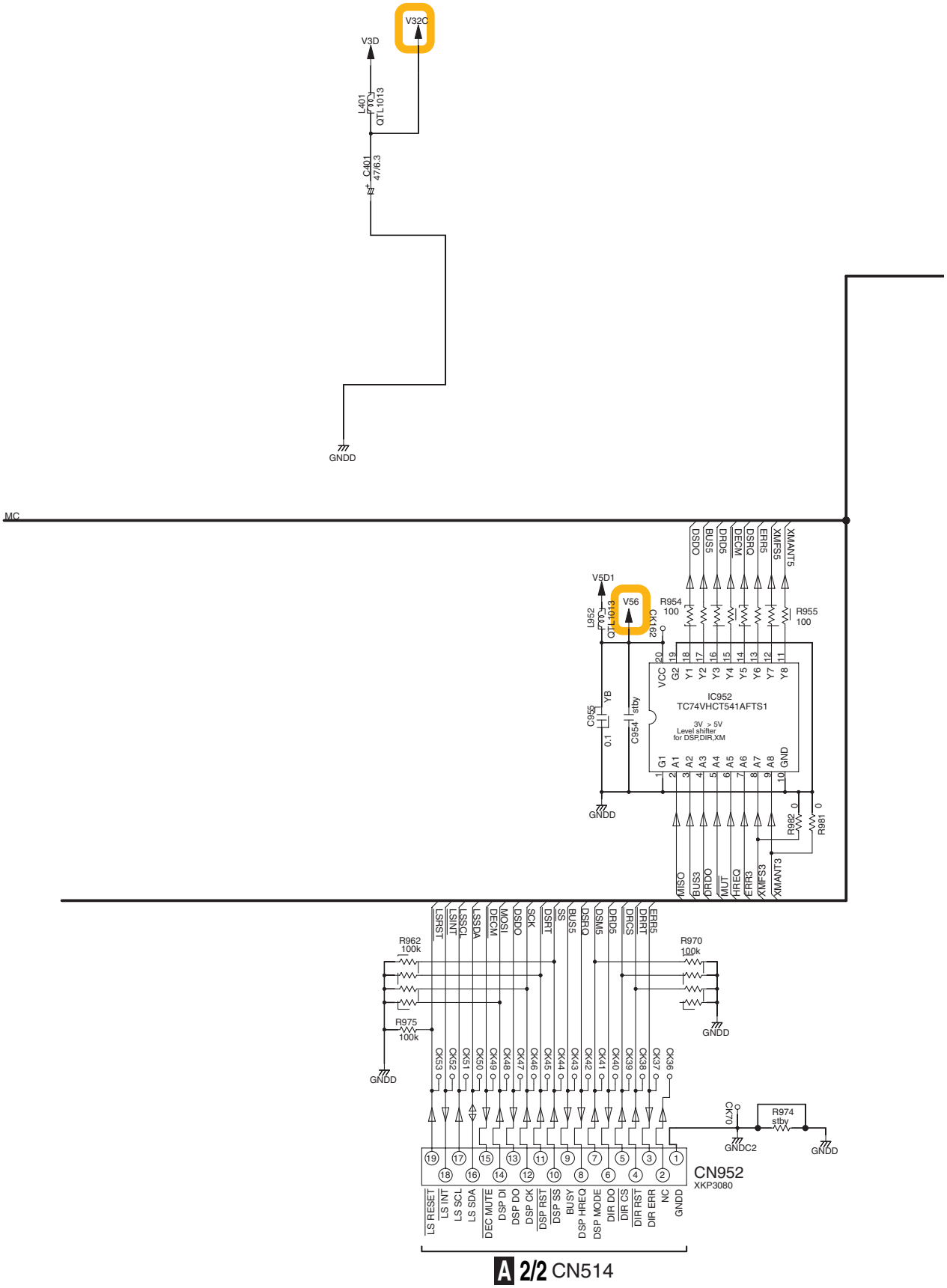


(L) : Audio Signal Route (L ch)
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)



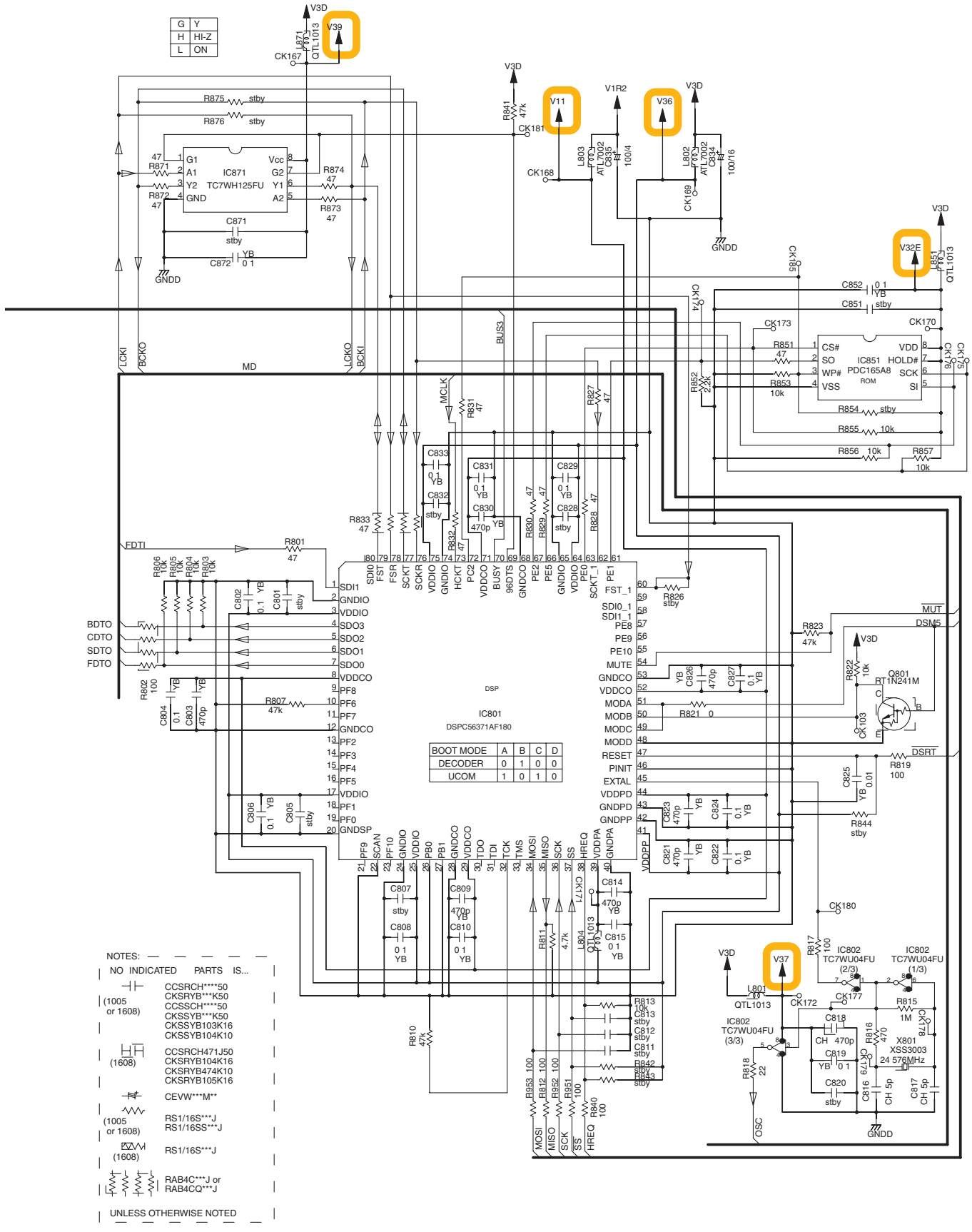
10.6 DSP ASSY (2/2) (for VSX-1017AV)

G 2/2 DSP ASSY (AWX8806)



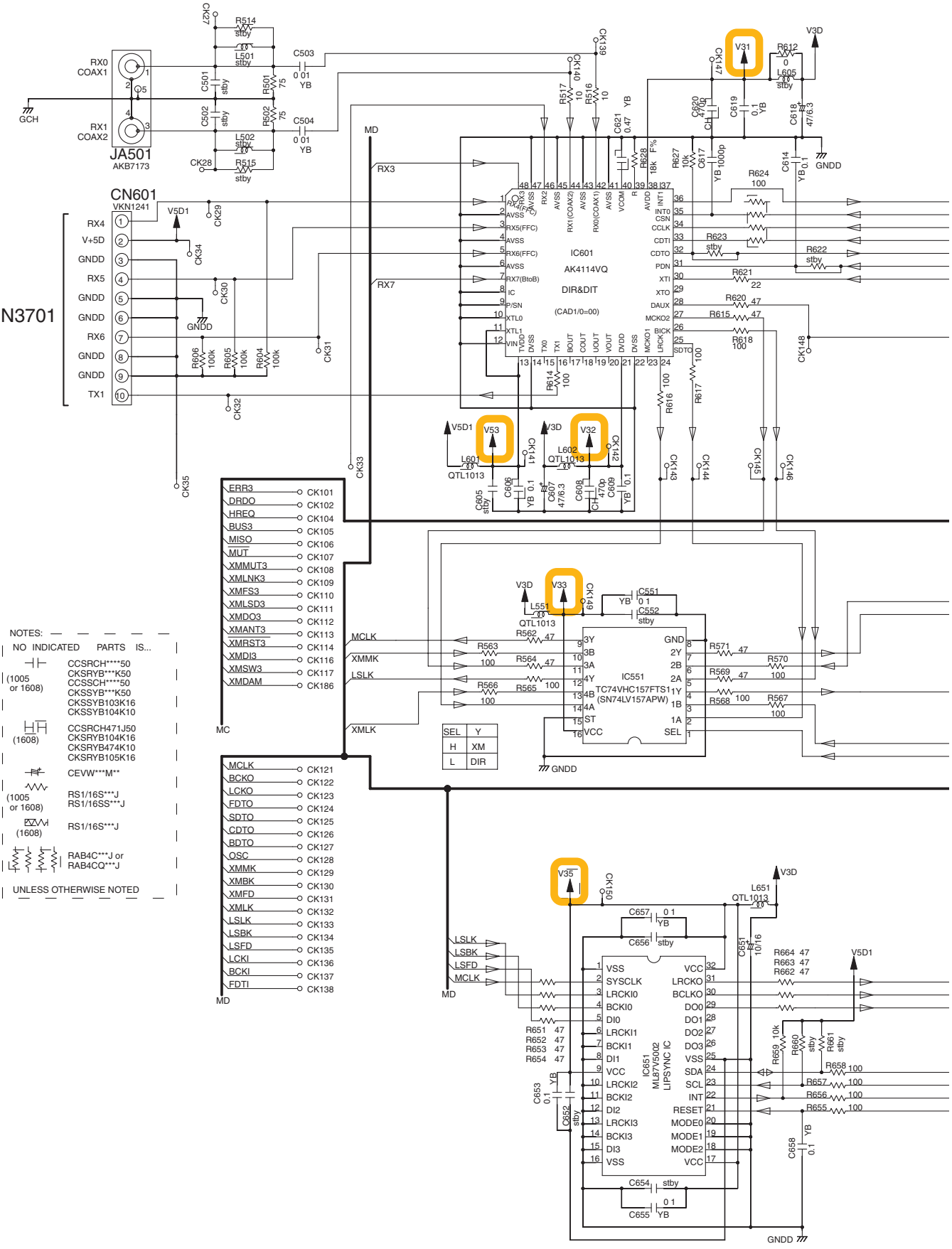
A 2/2 CN514

G 2/2


IC801
DSPC56371AF180
DSP
IC871
TC7WH125FU
IC851
PDC165A8
ROM
IC802
TC7WU04FU
Q801
RT1N241M
X801
XSS3003
24.576MHz
BOOT MODE | A | B | C | D
DECODER | 0 | 1 | 0 | 0
UCOM | 1 | 0 | 1 | 0
G | Y
H | HI-Z
L | ON
NOTES:
NO INDICATED PARTS IS...
(1005 or 1608) CCSRCH****50 CKSRYB***K50 CCSSCH****50 CKSSYB***K50 CKSSYB103K16 CKSSYB104K10
(1608) CCSRCH471J50 CKSRYB104K16 CKSRYB474K10 CKSRYB105K16
CEVW***M**
(1005 or 1608) RS1/16S***J RS1/16SS***J
(1608) RS1/16S***J
RAB4C***J or RAB4CQ***J
UNLESS OTHERWISE NOTED

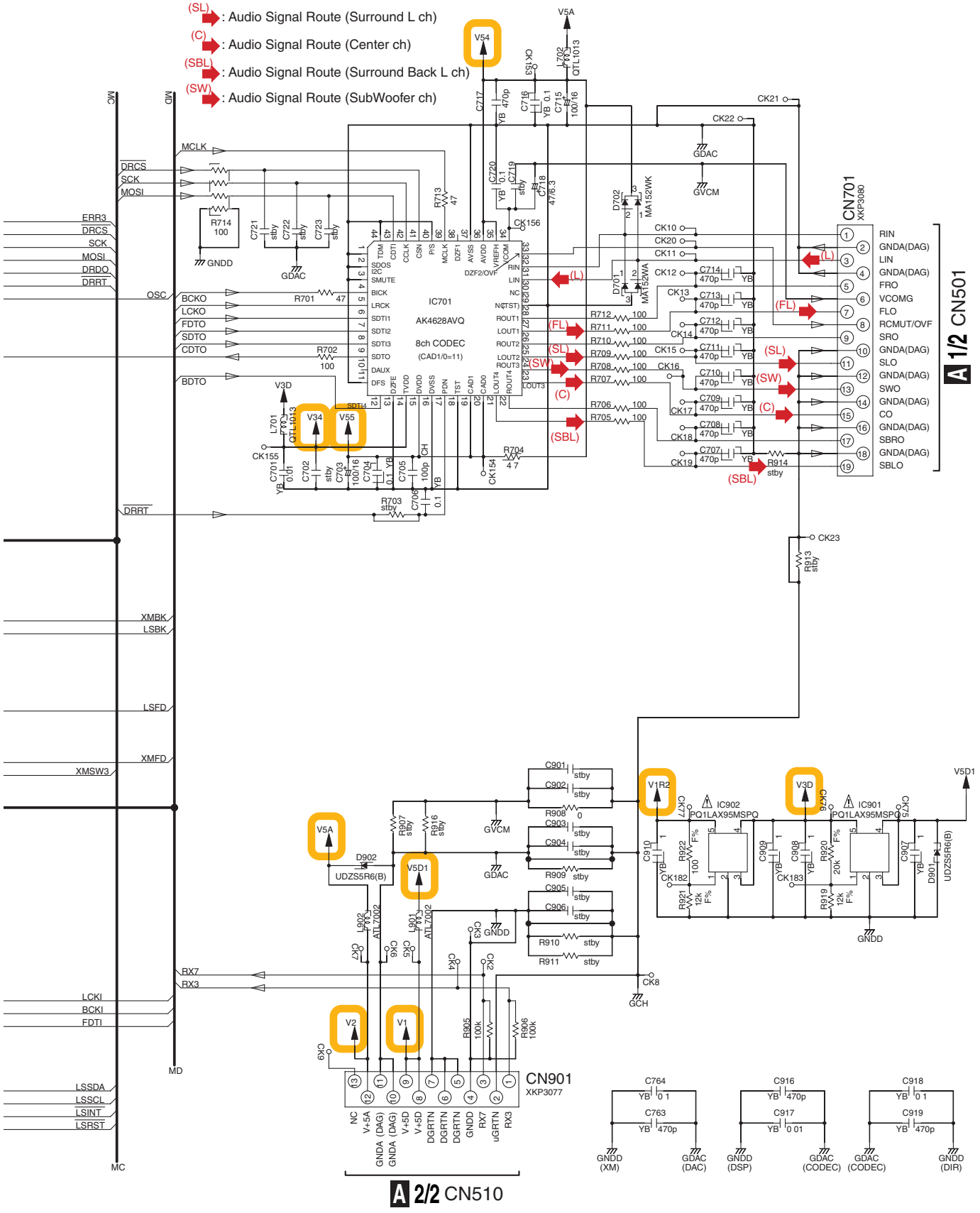
10.7 DSP ASSY (1/2) (for VSX-1017TXV and VSX-90TXV)

G 1/2 DSP ASSY (AWX8805)



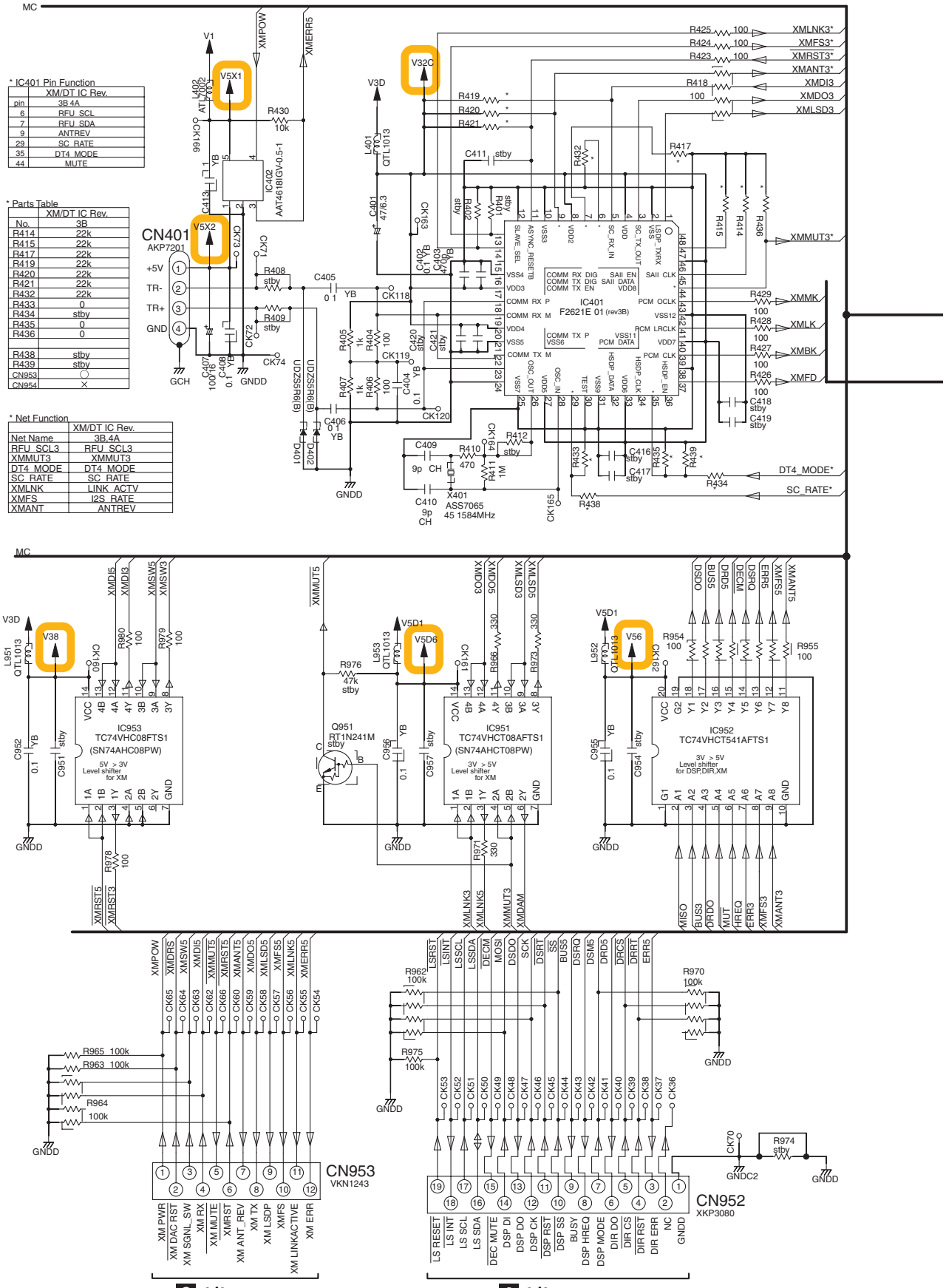
G 1/2

(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)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)



10.8 DSP ASSY (2/2) (for VSX-1017TXV and VSX-90TXV)

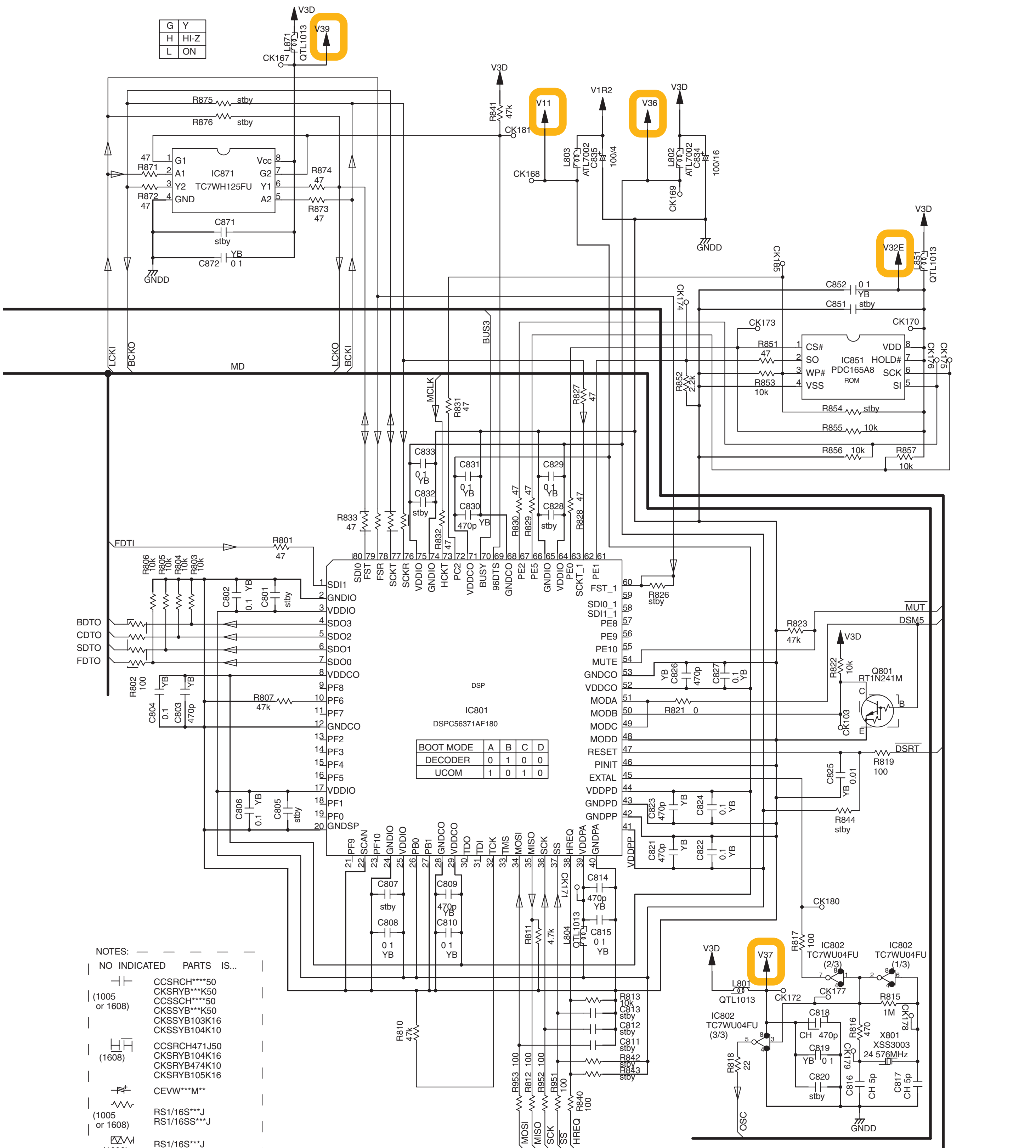
G 2/2 DSP ASSY (AWX8805)



G 2/2

C 1/2 CN305

A 2/2 CN514



BOOT MODE	A	B	C	D
DECODER	0	1	0	0
UCOM	1	0	1	0

G	Y
H	HI-Z
L	ON

NOTES:

NO INDICATED	PARTS IS...
(1005 or 1608)	CCSRCH****50 CKSRYB***K50 CCSSCH****50 CKSSYB***K50 CKSSYB103K16 CKSSYB104K10
(1608)	CCSRCH471J50 CKSRYB104K16 CKSRYB474K10 CKSRYB105K16
	CEVW***M**
(1005 or 1608)	RS1/16S***J RS1/16SS***J
(1608)	RS1/16S***J
	RAB4C***J or RAB4CQ***J

UNLESS OTHERWISE NOTED

G 2/2

10.9 COMPOSITE ASSY

H COMPOSITE ASSY
(VSX-1017AV-K, VSX-1017AV-S : AWX8854)
(VSX-1017TXV-K : AWX8852)
(VSX-90TXV : AWX8853)

AWX \ *	JA1001	JA1002	JA1003	JA1004	JA1005	JA1006
8853	AKB7176	←	←	←	AKB7181	X
8852,8854	AKB7176	←	←	X	X	AKB7175

IC1001 INPUT SELECTOR FOR VIDEO

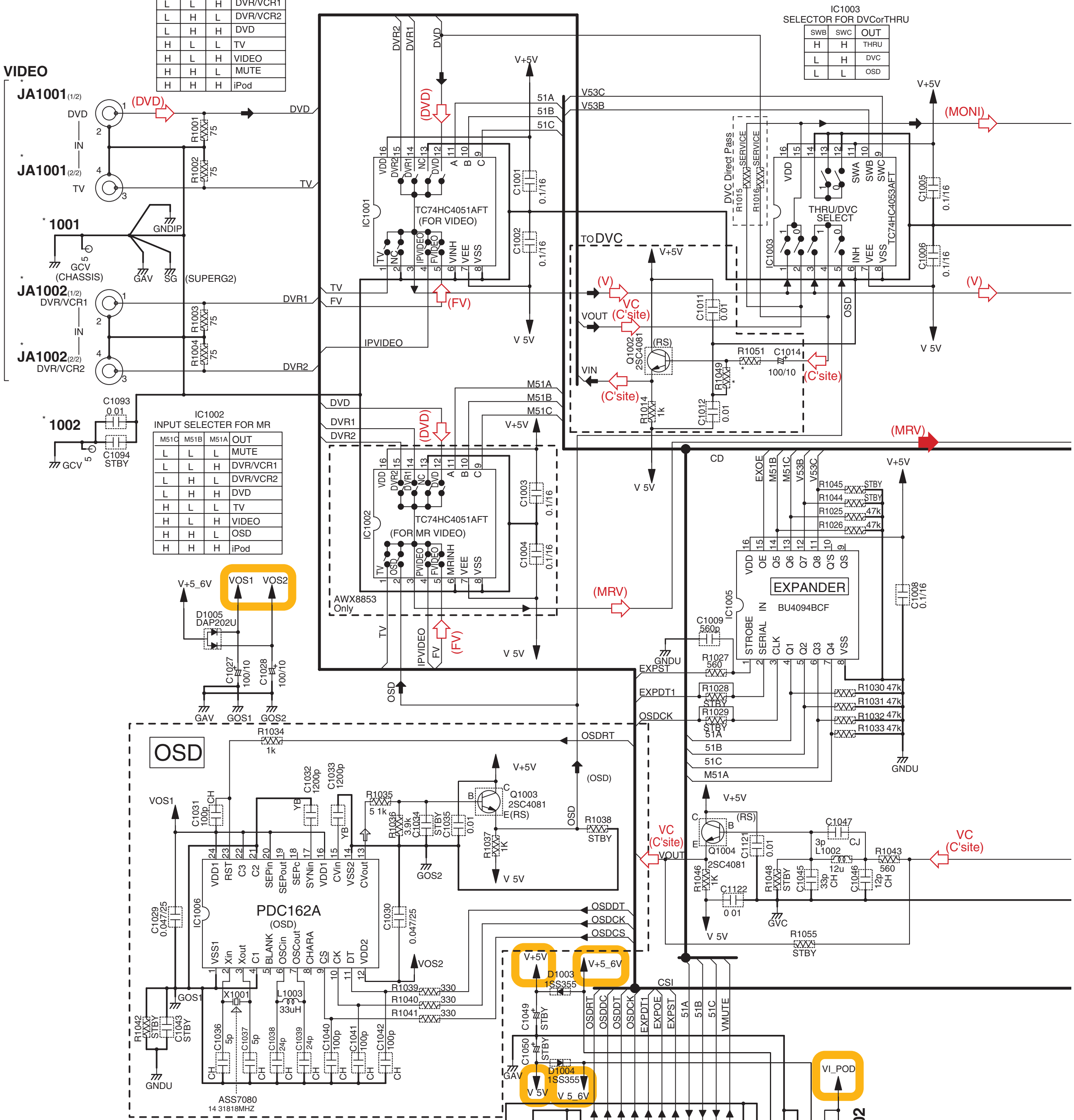
51C	51B	51A	OUT
L	L	L	MUTE
L	L	H	DVR/VCR1
L	H	L	DVR/VCR2
L	H	H	DVD
H	L	L	TV
H	L	H	VIDEO
H	H	L	MUTE
H	H	H	iPod

IC1002 INPUT SELECTOR FOR MR

M51C	M51B	M51A	OUT
L	L	L	MUTE
L	L	H	DVR/VCR1
L	H	L	DVR/VCR2
L	H	H	DVD
H	L	L	TV
H	L	H	VIDEO
H	H	L	OSD
H	H	H	iPod

IC1003 SELECTOR FOR DVCorTHRU

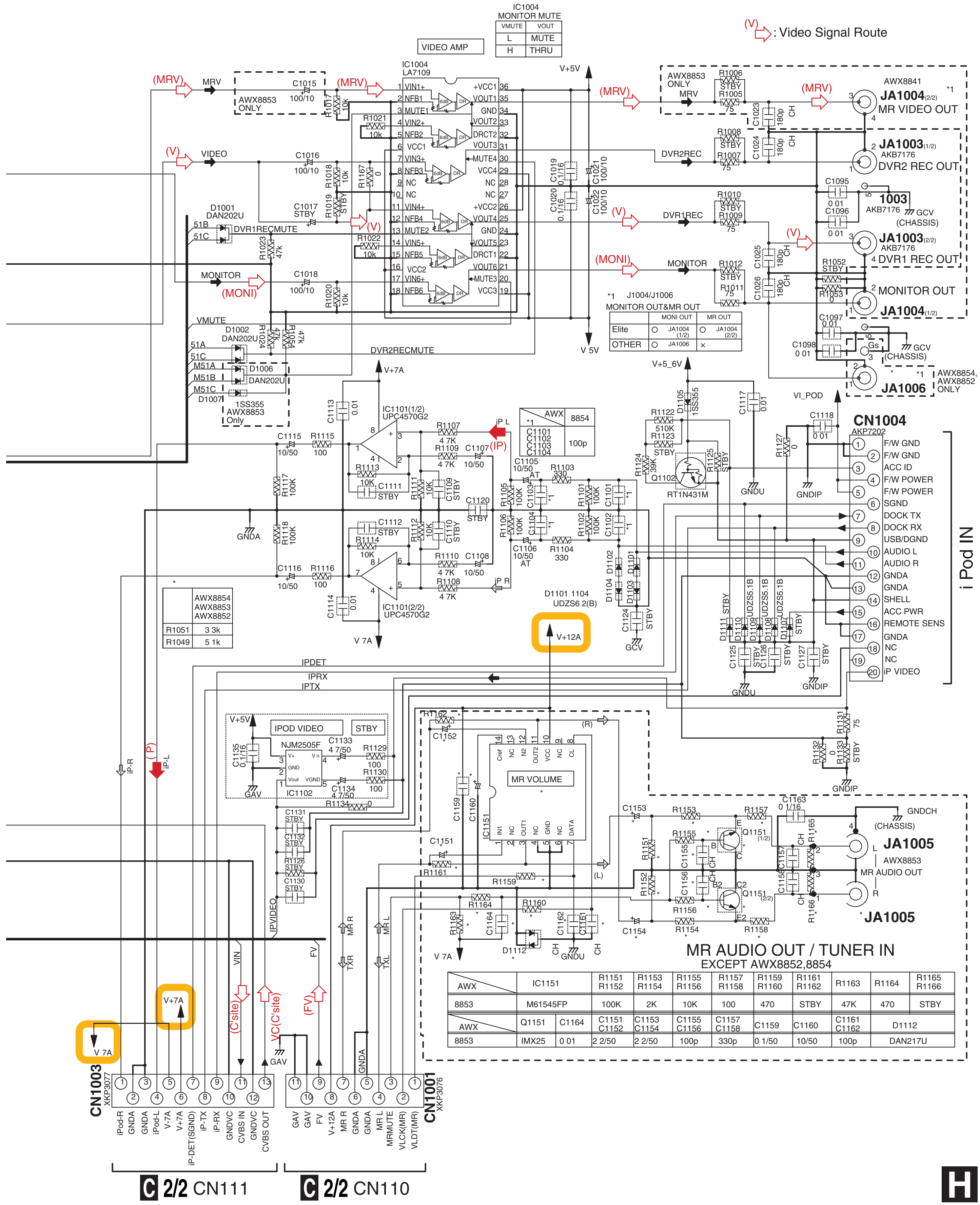
SWB	SWC	OUT
H	H	THRU
L	H	DVC
L	L	OSD



AC CN3802

NOTES
1 RESISTORS
Unit k kΩ, M MΩ or Ω unless otherwise noted
Rated power 1/16W unless otherwise noted
Tolerance ±5%(J) unless otherwise noted
2 CAPACITORS
No marked Capacitors are CEAT or CKSRYB
Unit p pF or µF unless otherwise noted
Rated Voltage shown as
"Capacity(µF)/Voltage(V)",
or 50V unless otherwise noted
3 DIODES
No marked Diodes are 1SS355
* Parts or parts block marked by "STBY" are standby

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 designat on



VMUTE	VOUT
L	MUTE
H	THRU

*1	AWX 8854
C1101 C1102 C1103 C1104	100p

*	AWX8854 AWX8853 AWX8852
R1051	3.3k
R1049	5.1k

*1 J1004/J1006 MONITOR OUT&MR OUT

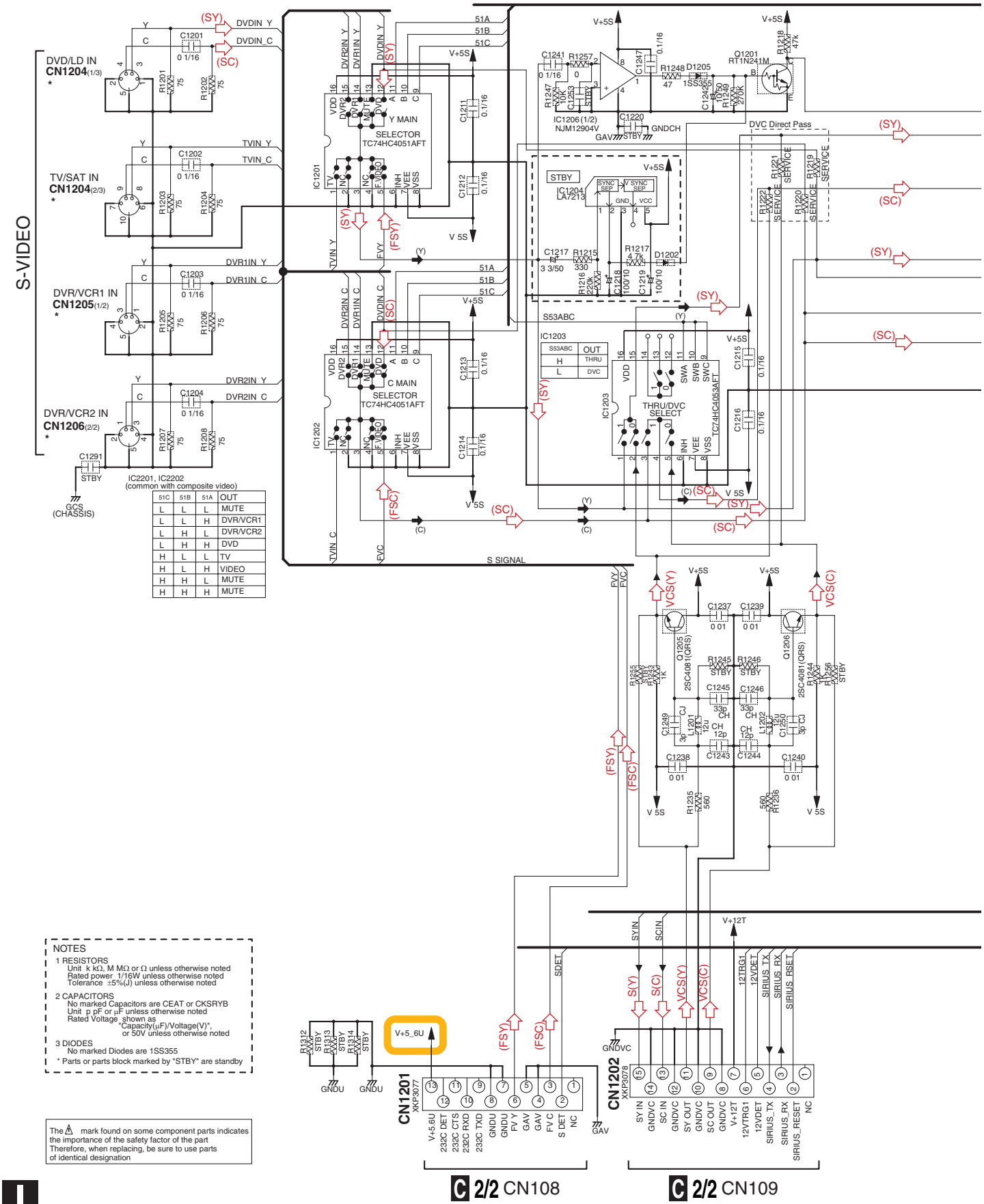
	MONI OUT	MR OUT
Elite	○ JA1004 (1/2)	○ JA1004 (2/2)
OTHER	○ JA1006	×

AWX	IC1151	R1151 R1152	R1153 R1154	R1155 R1156	R1157 R1158	R1159 R1160	R1161 R1162	R1163	R1164	R1165 R1166
8853	M61545FP	100K	2K	10K	100	470	STBY	47K	470	STBY

AWX	Q1151	C1164	C1151 C1152	C1153 C1154	C1155 C1156	C1157 C1158	C1159	C1160	C1161 C1162	D1112
8853	IMX25	0.01	2.2/50	2.2/50	100p	330p	0.1/50	10/50	100p	DAN217U

10.10 S-VIDEO and BRIDGE 2 ASSYS

S-VIDEO ASSY (VSX-1017AV-K, VSX-1017AV-S : AWX8858)
(VSX-1017TXV-K : AWX8856)
(VSX-90TXV : AWX8857)



NOTES

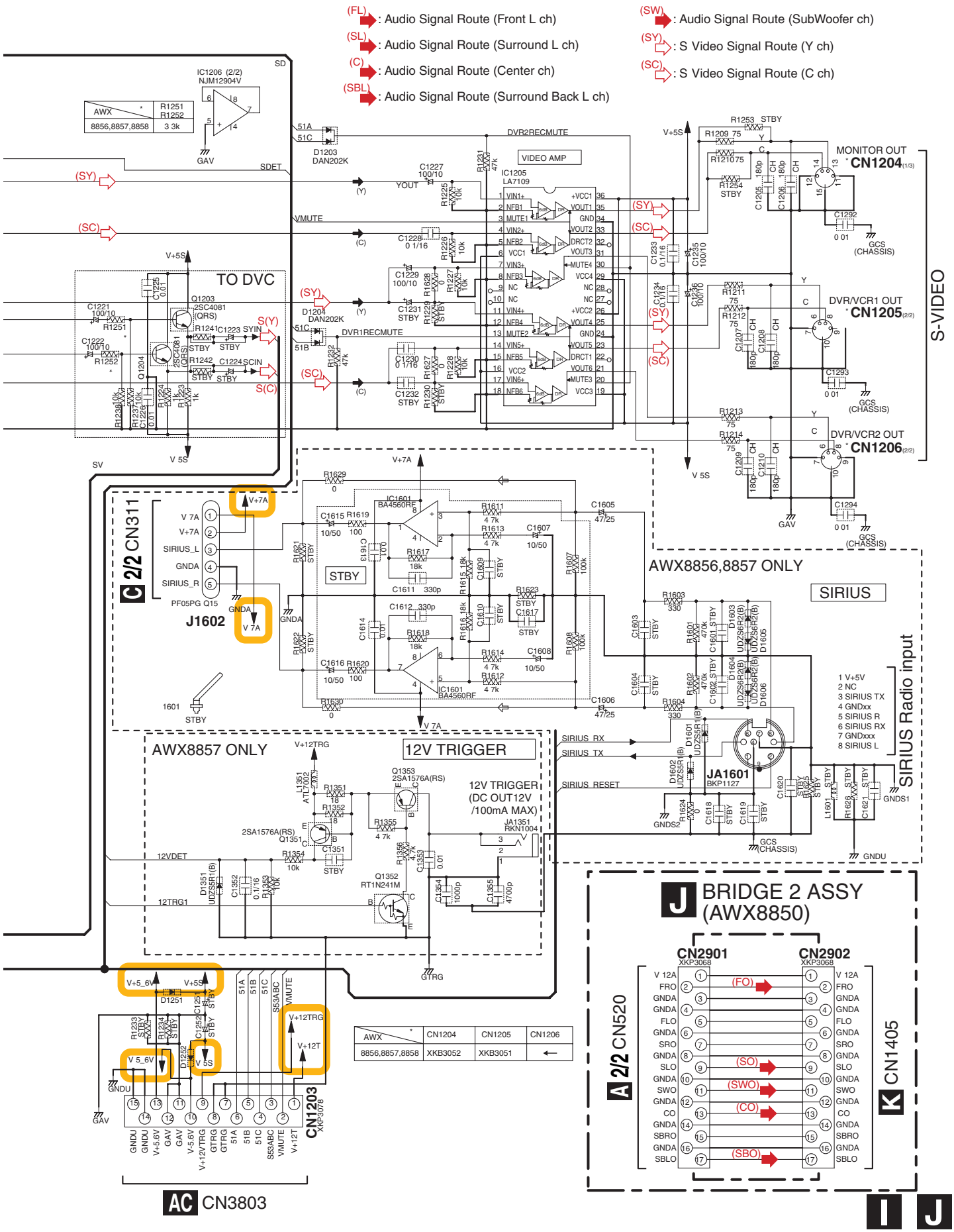
1 RESISTORS
Unit k kΩ, M MΩ or Ω unless otherwise noted
Rated power 1/16W unless otherwise noted
Tolerance ±5%(J) unless otherwise noted

2 CAPACITORS
No marked Capacitors are CEAT or CKSRYB
Unit p pF or μF unless otherwise noted
Rated Voltage shown as "Capacity(μF)/Voltage(V)", or 50V unless otherwise noted

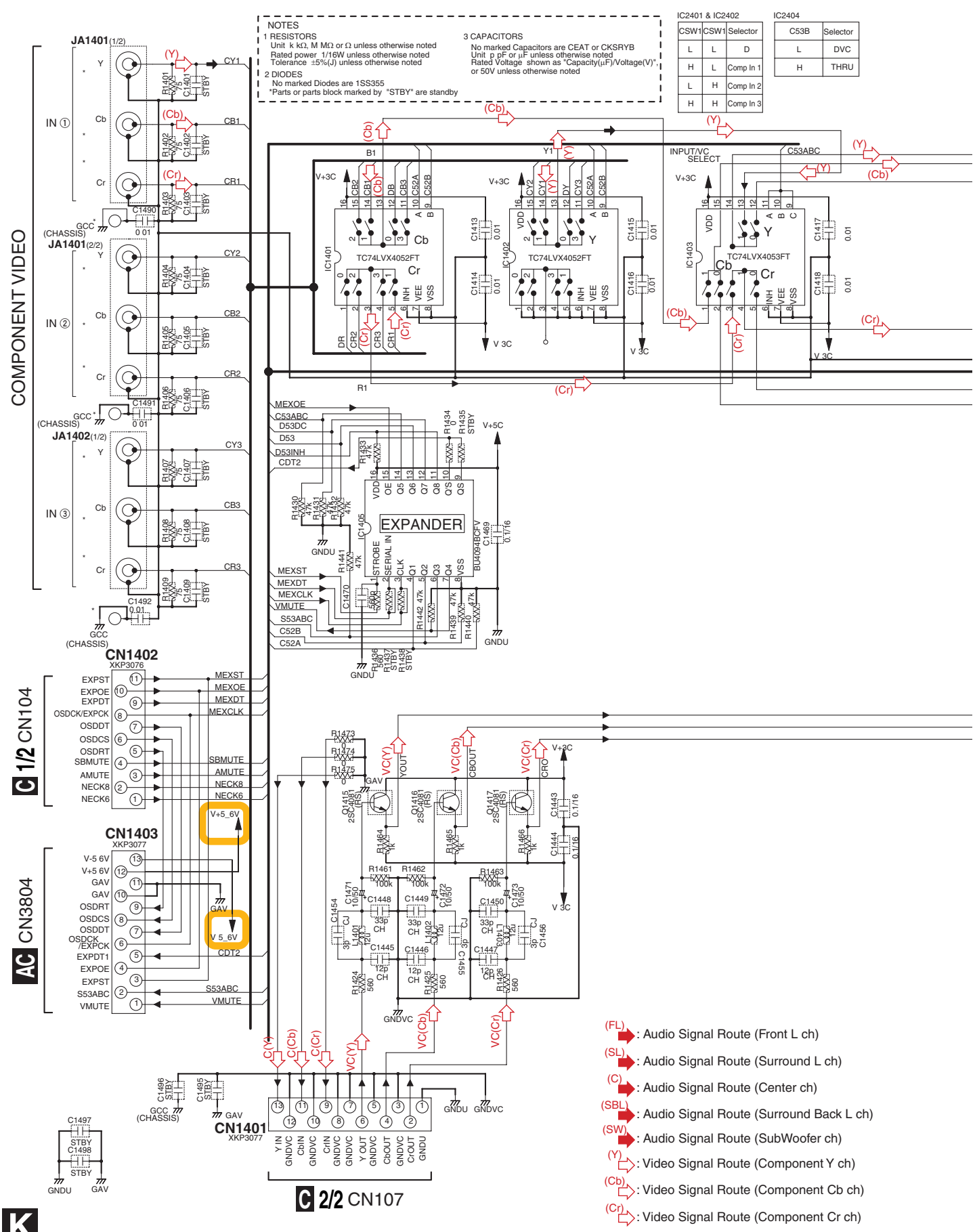
3 DIODES
No marked Diodes are 1SS355

* Parts or parts block marked by "STBY" are standby

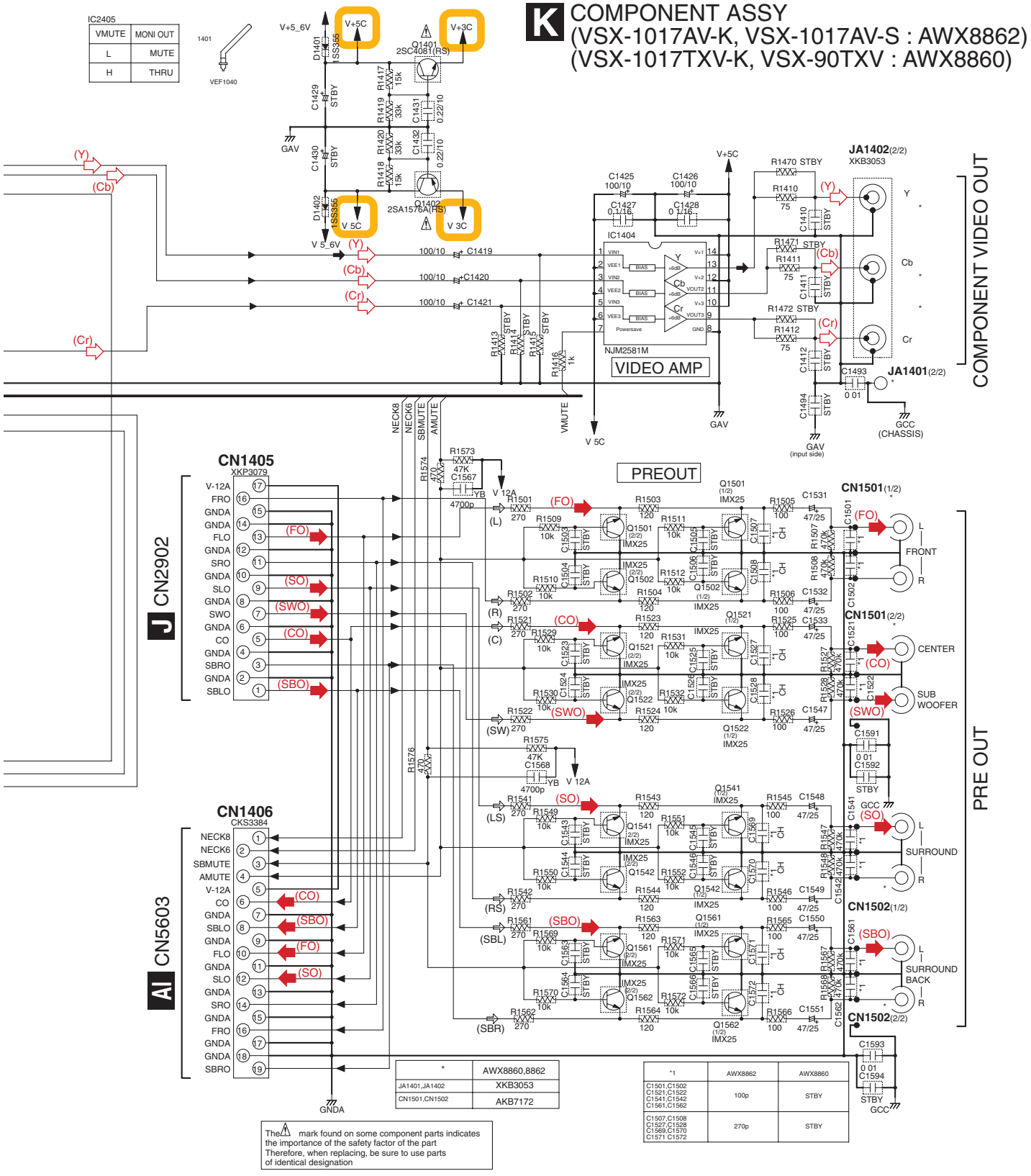
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation


(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)
(SY): S Video Signal Route (Y ch)
(SC): S Video Signal Route (C ch)
IC1206 (2/2) NJM12904V
AWX * R1251 R1252
8856,8857,8858 3 3k
GAV
SD
SDET
51A
51C
D1203 DAN202K
DVR2RECMUTE
VIDEO AMP
IC1205 LA7709
YOUT
VMUTE
TO DVC
Q1203 2SC4081 (QRS)
Q1204 2SC4081 (QRS)
S(Y)
S(C)
SYIN
SCIN
STBY
V+5S
V 5S
D1204 DAN202K
DVR1RECMUTE
51B
SV
V+7A
V 7A
SIRIUS_L
GNDA
SIRIUS_R
PF05PG Q15
J1602
C 2/2 CN311
IC1601 BA4560RF
STBY
AWX8856,8857 ONLY
SIRIUS
AWX8857 ONLY
12V TRIGGER
V+12TRG
12V TRIGGER (DC OUT12V /100mA MAX)
Q1353 2SA1576A(RS)
Q1352 RT1N241M
JA1351 RKN1004
12VDET
12TRG1
GTRG
SIRIUS_RX
SIRIUS_TX
SIRIUS_RESET
JA1601 BKP1127
GNDS1
GNDS2
GNDU
GCS (CHASSIS)
SIRIUS Radio input
1 V+5V
2 NC
3 SIRIUS TX
4 GNDxx
5 SIRIUS R
6 SIRIUS RX
7 GNDxxx
8 SIRIUS L
MONITOR OUT CN1204 (1/3)
DVR/VCR1 OUT CN1205 (2/2)
DVR/VCR2 OUT CN1206 (2/2)
S-VIDEO
GCS (CHASSIS)
AWX CN1204 CN1205 CN1206
8856,8857,8858 XKB3052 XKB3051 ←
J BRIDGE 2 ASSY (AWX8850)
CN2901 XKP3068
CN2902 XKP3068
A 2/2 CN520
K CN1405
(FO)
(SO)
(SWO)
(CO)
(SBO)
AC CN3803
CN1203 XKP3078
I J

10.11 COMPONENT ASSY



K COMPONENT ASSY
(VSX-1017AV-K, VSX-1017AV-S : AWX8862)
(VSX-1017TXV-K, VSX-90TXV : AWX8860)



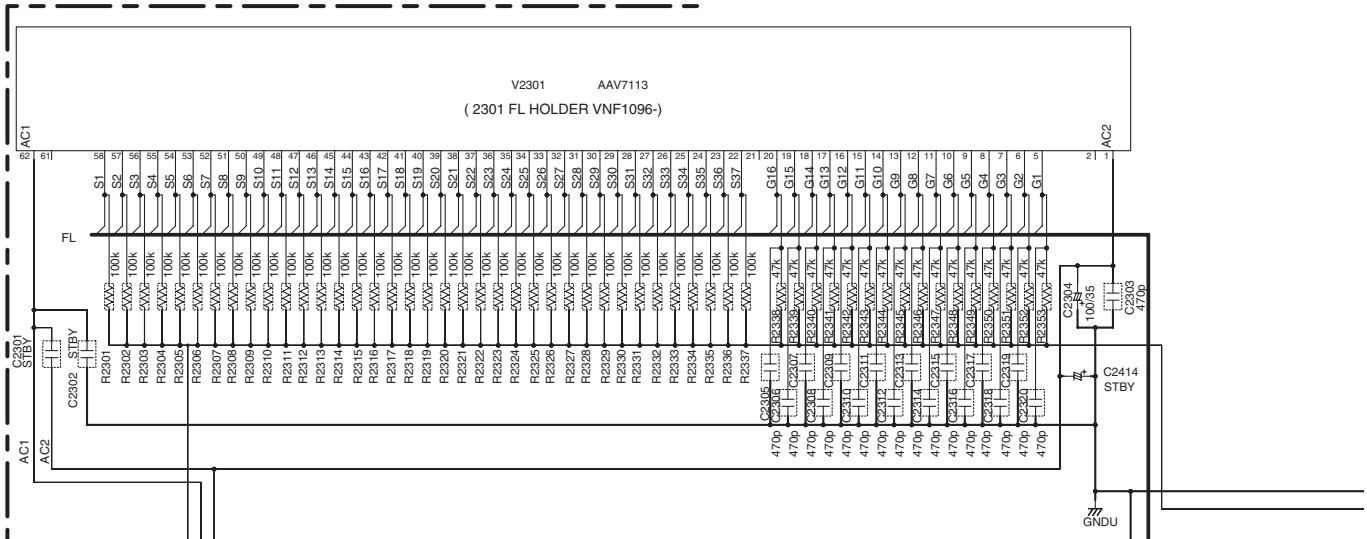
*	AWX8860,8862
JA1401,JA1402	XKB3053
CN1501,CN1502	AKB7172

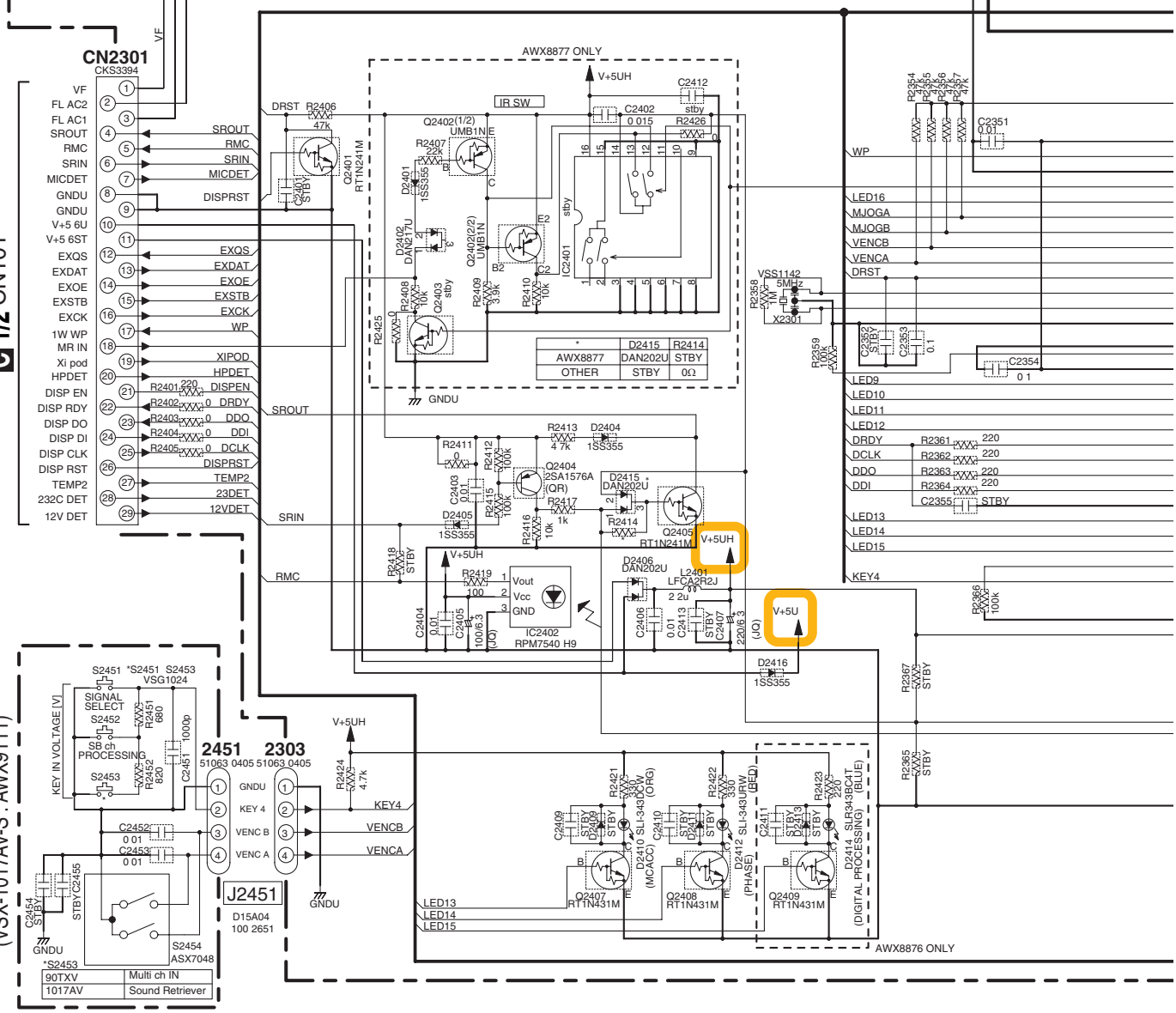
*1	AWX8862	AWX8860
C1501,C1502 C1521,C1522 C1541,C1542 C1561,C1562	100p	STBY
C1507,C1508 C1527,C1528 C1569,C1570 C1571,C1572	270p	STBY

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

10.12 DISPLAY, VOLUME and MULTI JOG ASSYS

L DISPLAY ASSY
(VSX-1017AV-K, VSX-1017AV-S : AWX8878)
(VSX-1017TXV-K : AWX8876)
(VSX-90TXV : AWX8877)





M VOLUME ASSY
(VSX-1017AV-K, VSX-1017TXV-K, VSX-90TXV : AWX9044)
(VSX-1017AV-S : AWX9111)

N MULTI JOG ASSY
(VSX-1017AV-K, VSX-1017TXV-K, VSX-90TXV : AWX8881)
(VSX-1017AV-S : AWX8882)

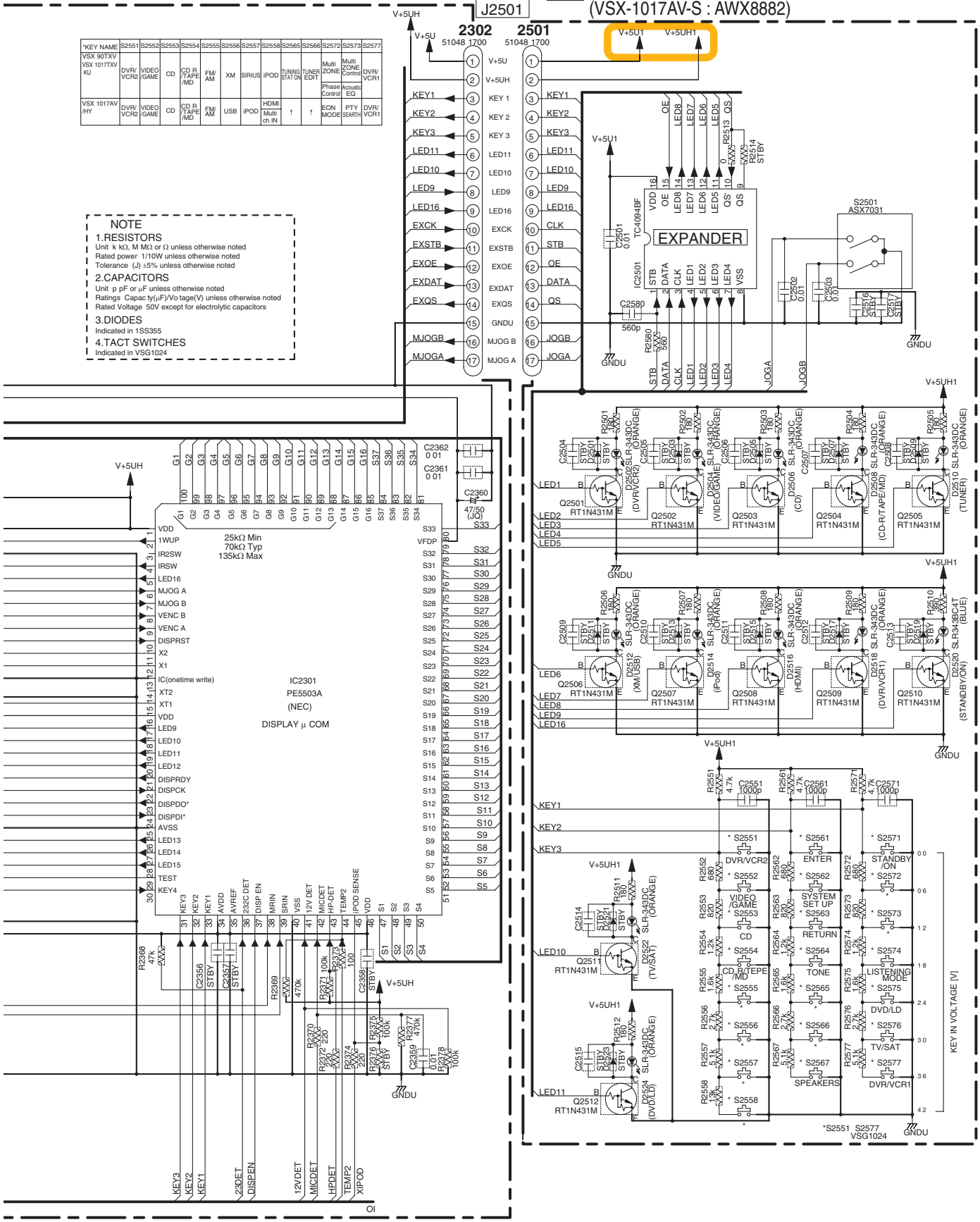
D20PDD1715E
J2501

*KEY NAME	S2551	S2552	S2553	S2554	S2555	S2556	S2557	S2558	S2565	S2566	S2572	S2573	S2577
VSX 90TXV VSX 1017TXV KU	DVR/ VCR2	VIDEO /GAME	CD	CD R /TAPE /MD	FM/ AM	XM	SIRIUS	iPOD	TUNING STAT ON	TUNER EDIT	Multi ZONE Phase Control	Multi ZONE Control Acoustic EQ	DVR/ VCR1
VSX 1017AV /HY	DVR/ VCR2	VIDEO /GAME	CD	CD R /TAPE /MD	FM/ AM	USB	iPOD	HDMI Multi ch IN	↑	↑	EON MODE	PTY SEARTH	DVR/ VCR1

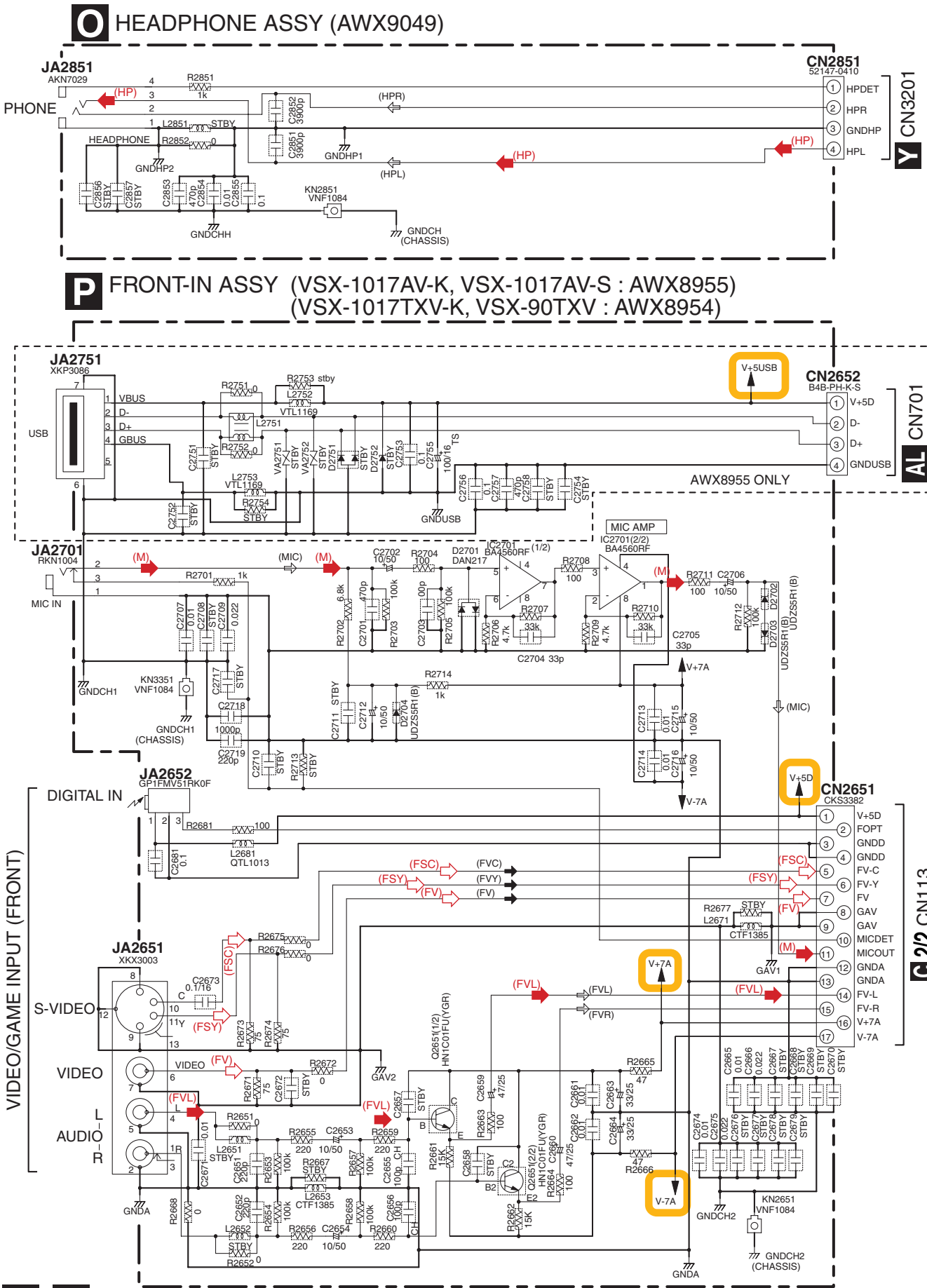
NOTE
1.RESISTORS
Unit k kΩ, M MΩ or Ω unless otherwise noted
Rated power 1/10W unless otherwise noted
Tolerance (J) ±5% unless otherwise noted
2.CAPACITORS
Unit p pF or μF unless otherwise noted
Ratings Capac ty(μF)/Vo tage(V) unless otherwise noted
Rated Voltage 50V except for electrolytic capacitors
3.DIODES
Indicated in 1SS355
4.TACT SWITCHES
Indicated in VSG1024

2302 51048 1700
2501 51048 1700

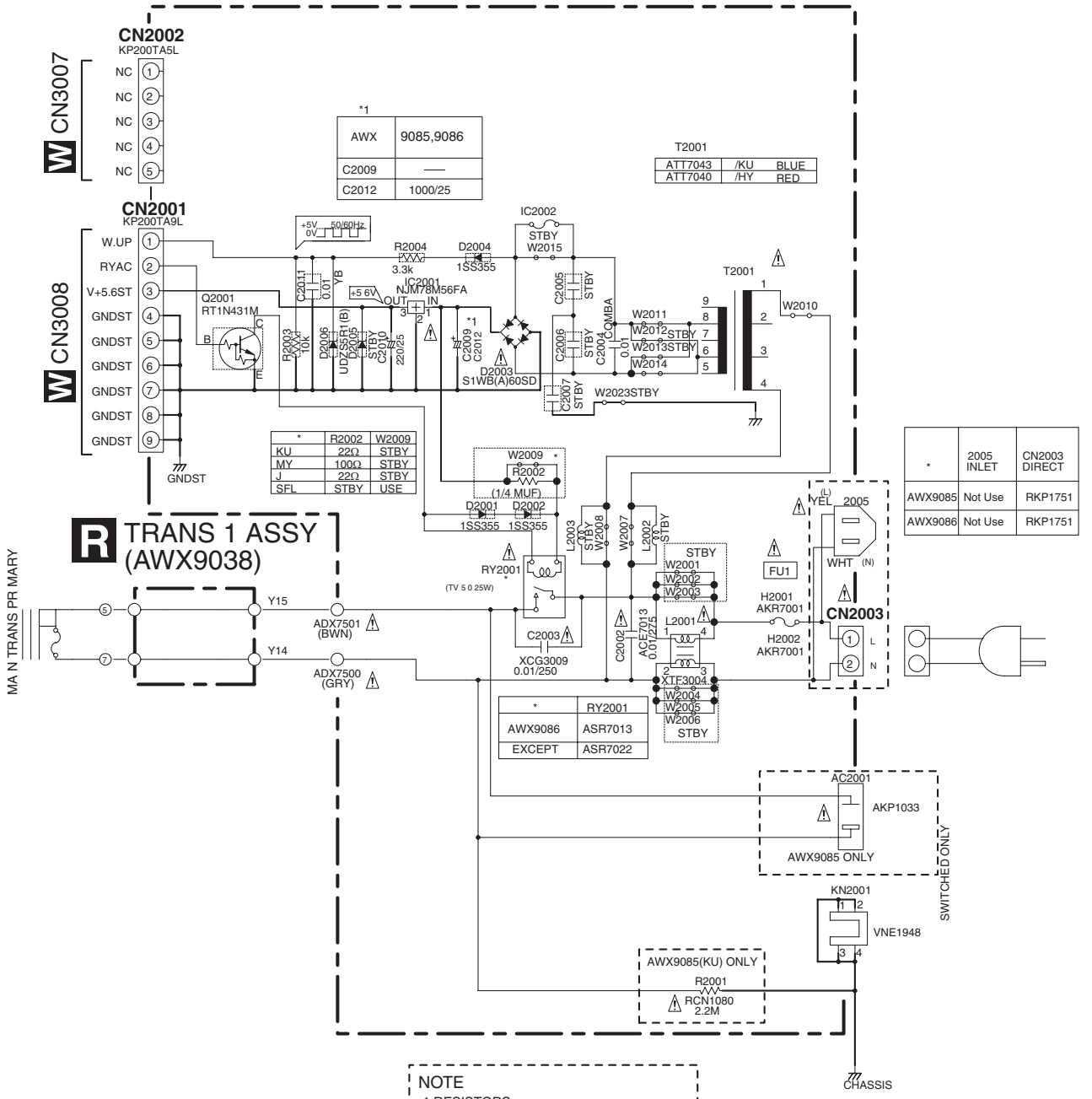
EXPANDER
IC2501 TC4094BF
S2501 ASX7031
IC2301 PE5503A (NEC) DISPLAY μ COM
25kΩ Min 70kΩ Typ 135kΩ Max



10.13 HEADPHONE, FRONT-IN, PRIMARY and TRANS 1 ASSYS



Q PRIMARY ASSY (VSX-1017AV-K, VSX-1017AV-S : AWX9086)
(VSX-1017TXV-K, VSX-90TXV : AWX9085)



NOTE

1.RESISTORS
Unit k kΩ, M MΩ or Ω unless otherwise noted
Rated power 1/10W 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 except for electrolytic capacitors

3.DIODES
Indicated in 1SS355

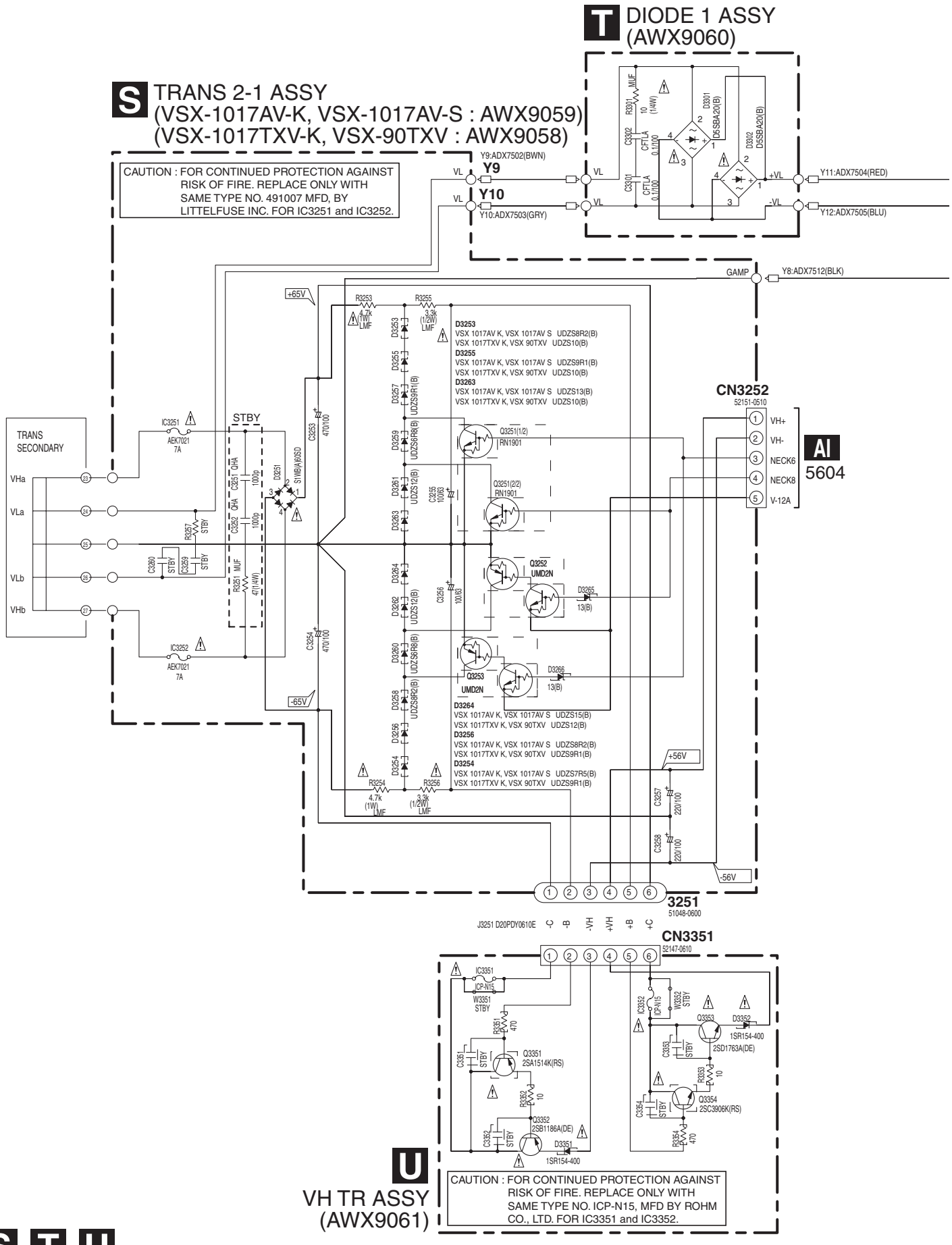
• NOTE FOR FUSE REPLACEMENT

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

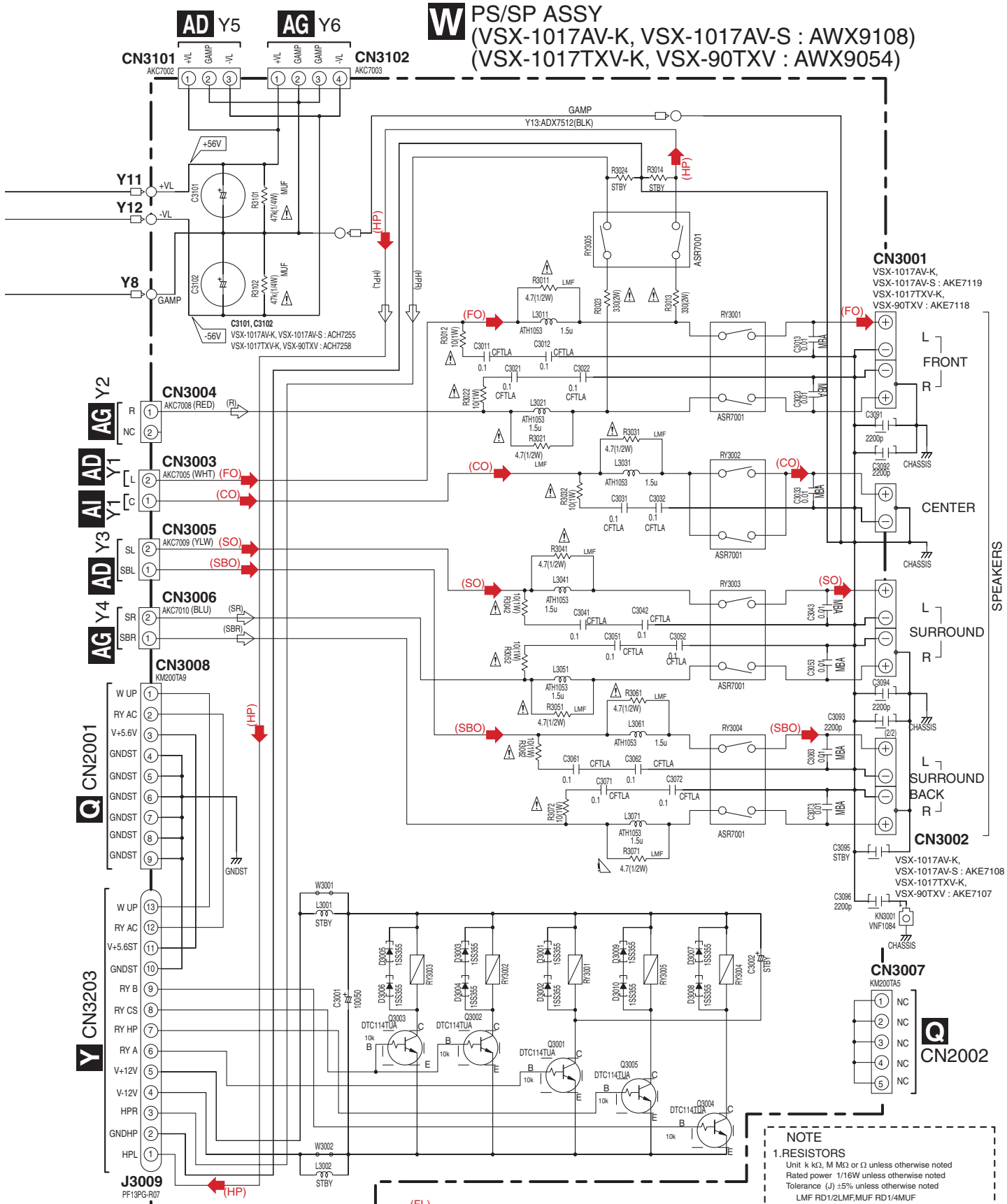
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore,when replacing, be sure to use parts of identical designation.

(L): Audio Signal Route (L ch)
(M): Audio Signal Route (Mic ch)
(V): Video Signal Route
(SY): S Video Signal Route (Y ch)
(SC): S Video Signal Route (C ch)

10.14 TRANS 2-1, DIODE 1, VH TR and PS/SP ASSYS



W PS/SP ASSY
(VSX-1017AV-K, VSX-1017AV-S : AWX9108)
(VSX-1017TXV-K, VSX-90TXV : AWX9054)



10.15 TRANS 2-2, TRANS SIDE, LOCAL P-SUPPLY, DC/DC, IR I/O and VIDEO CONNECT ASSYS

Z LOCAL P-SUPPLY ASSY
(VSX-1017AV-K, VSX-1017AV-S : AWX9064)
(VSX-1017TXV-K, VSX-90TXV : AWX9063)

• NOTE FOR FUSE REPLACEMENT

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

FU4
VSX-1017AV-K, VSX-1017AV-S : REK1028 (T4AL/250V)
VSX-1017TXV-K, VSX-90TXV : REK1067 (5A/125V)
FU5, FU6
VSX-1017AV-K, VSX-1017AV-S : REK1021 (T800mAL/250V)
VSX-1017TXV-K, VSX-90TXV : REK1143 (1.25A/125V)
FU7, FU8
VSX-1017AV-K, VSX-1017AV-S : REK1026 (T2.5AL/250V)
VSX-1017TXV-K, VSX-90TXV : REK1146 (2.5A/125V)

J3401 PF12PG-R40 — CN3501 B12B-PH-K-S

AC1, AC2, VREG, VREGG, VREG, DREG, DREG, DREG, DREG, AREG, AREGG, AREG

FU8 H3402 H3401 AKR7001
FU7 H3404 H3403 AKR7001
FU4 H3406 H3405 AKR7001
FU5 H3408 H3407 AKR7001
FU6 H3410 H3409 AKR7001

T1501 MAIN TRANS
VSX-1017AV-K, VSX-1017AV-S : ATS7408
VSX-1017TXV-K, VSX-90TXV : ATS7407

X TRANS 2-2 ASSY (AWX9062)

NOTE 1.RESISTORS
Unit: k kΩ, M MΩ or Ω unless o herwise noted
Ra ed power: 1/16W unless o herwise noted
Tolerance: (J) ±5% unless otherwise noted
2.CAPAC TORS
Unit: p pF or µF unless otherwise noted
Ratings: Capacity(µF)/Vol age(V) unless o herwise noted
Rated Voltage: 50V except for electroly ic capaci o s

Y TRANS SIDE ASSY (AWX9056)

J3201 D20PDY0410E — CN2851 O
HPDET, HPR, GNDHP, HPL

CN3201 51048-0400 — CN5705 AJ
V+FAN, V+FAN, V-FAN, V-FAN, LOCK DET, V-12V, V+12V, RY A, RY HP, RY CS, RY B, GNDST, GNDST, V+5.6ST, RY AC, W UP, HPDET

R3214 L3214, R3202 L3202, R3203 L3203, R3204 L3204, R3205 L3205, R3206 L3206, R3207 L3207, R3208 L3208, R3209 L3209, R3210 L3210, R3211 L3211, R3212 L3212, R3213 L3213

CN3202 CKS3382

CN3203 B13B-PH-K-S — J3009 W
HPL, GNDHP, HPR, V-12V, V+12V, RY A, RY HP, RY CS, RY B, GNDST, V+5.6ST, RY AC, W UP

R3202 - R3214,L3202 - L3214:STBY

3506 51048-0400 — J3506 D20PDY0410E
DREG, DREG, DREG, DREG

CN652 52147-0410
KN651 VNE1948 — CHASSIS

R652 - R654 : D%

VSX-1017AV-K, VSX-1017AV-S ONLY

FAN

V+IPOD, V+5AD, AD+5V, +5V, VIDEO ± 5.6V, V+5_6V, V+5_6U, +5.6V, +12V, -12V, -5.6V, V-5_6V, V+13UN, +13V, V+7D, -28V, GNDU, STBY

IC3501 STBY, IC3502 AEK7012, IC3503 STBY, IC3504 NJM78M05FA, IC3505 NJM78M56FA, IC3506 NJM79M05FA, IC651 PQ1CG3032FZ

Q3501 UMD2N (2/2), Q3501 UMD2N (1/2), Q3502 2SD1763A(DE), Q651 2SD1858X(QR)

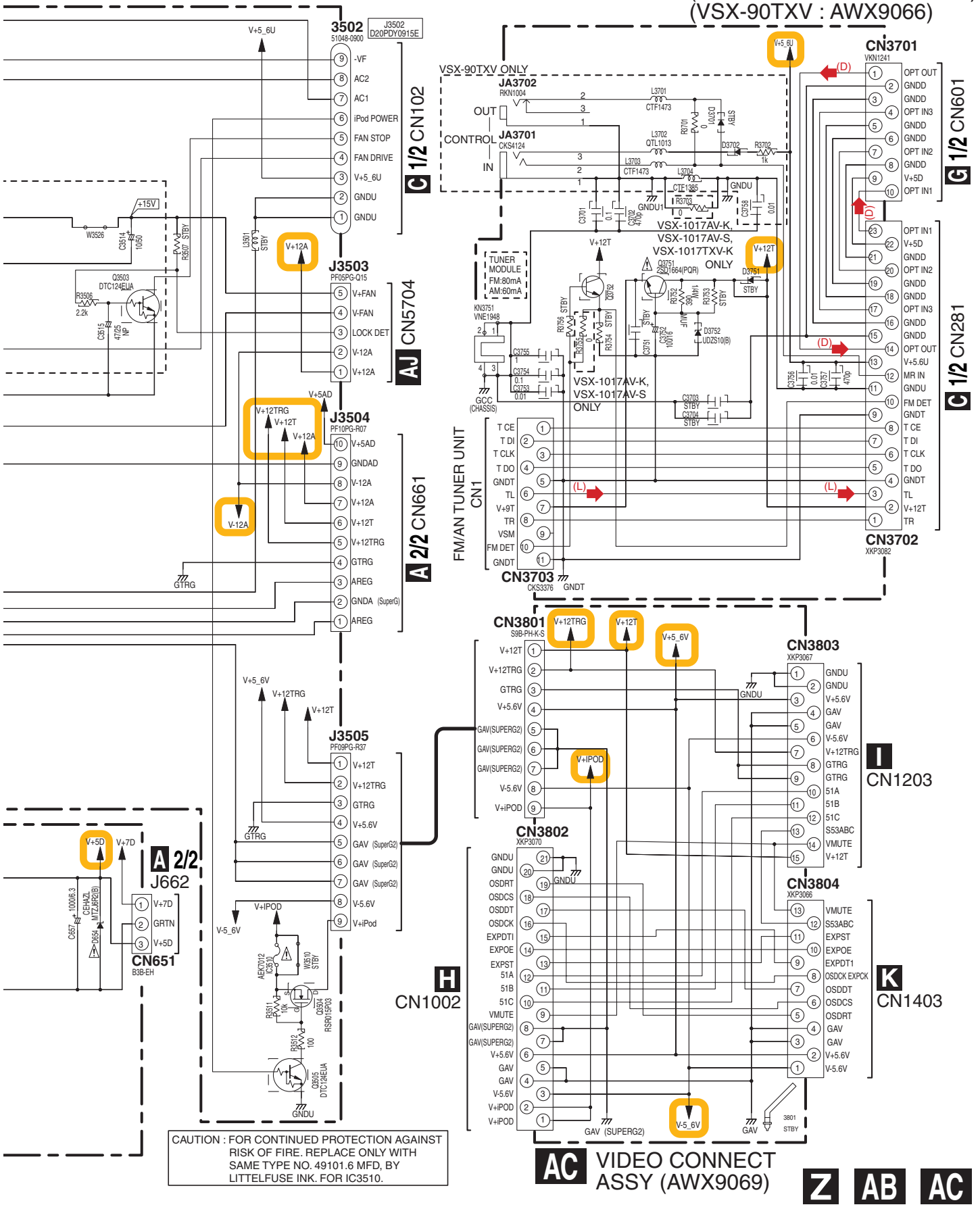
D3504,D3505, D3506,D3507: UDZS6R2(B)
D3512 D3SBA20(B)
D653 D3SBA20(B)
D3501 1SR154-400, D3502 1SR154-400, D3503 1SR154-400, D3509 1SR154-400, D3510 1SR154-400
D3511 UDZS27B, D3513 RB501V-40, D3514 MTZJ4R2(B), D3515 RB501V-40, D3516 RB501V-40, D3517 STBY, D3518 STBY, D3519 STBY, D3520 STBY, D3521 STBY, D3522 STBY, D3523 STBY, D3524 STBY, D3529 1SS355, D651 RB501-40, D652 UDZS7R5B

VEF1040 A, 651, 652, STBY

AA DC/DC ASSY (AWX9015)

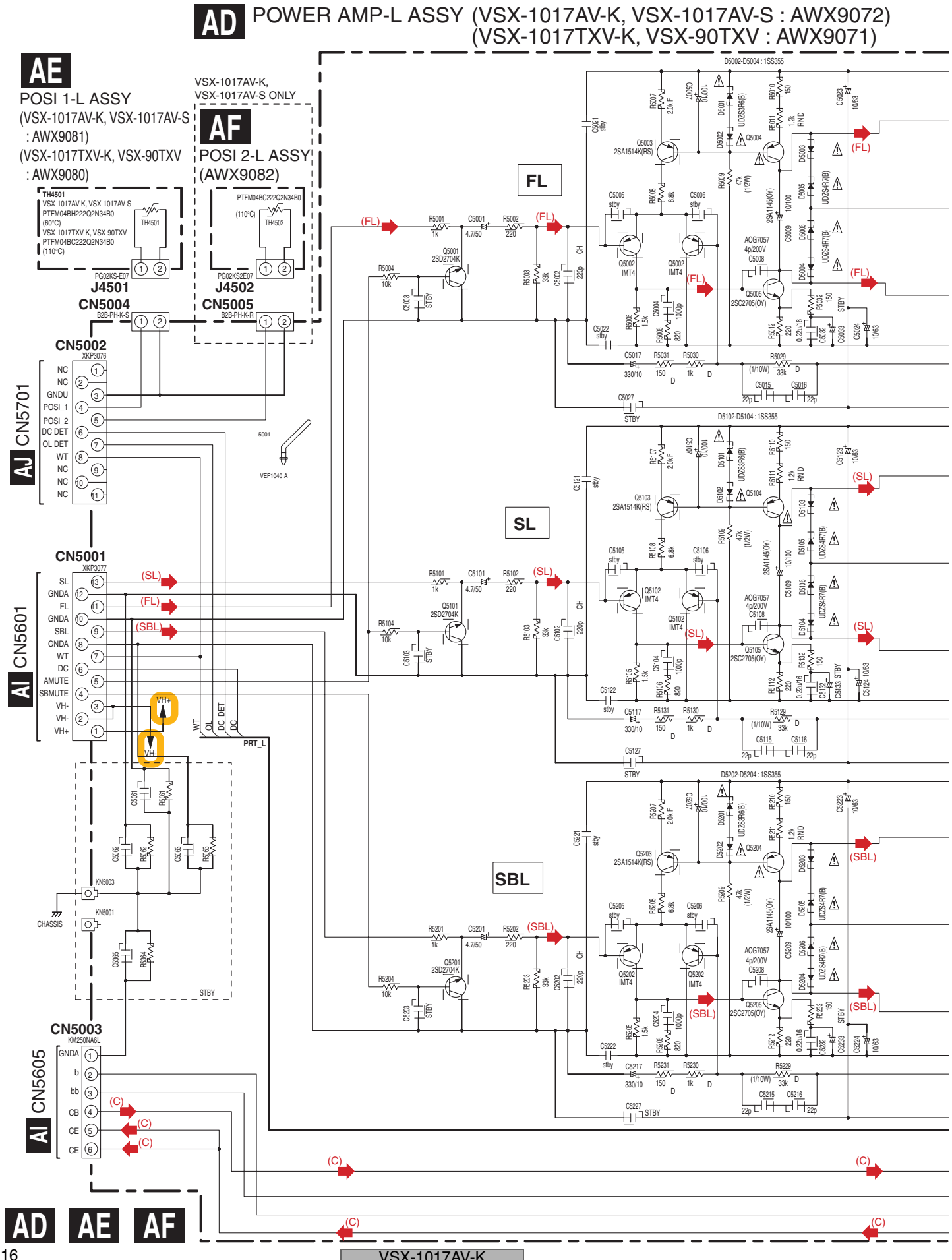
(L) : Audio Signal Route (L ch)
(D) : Audio Data Route

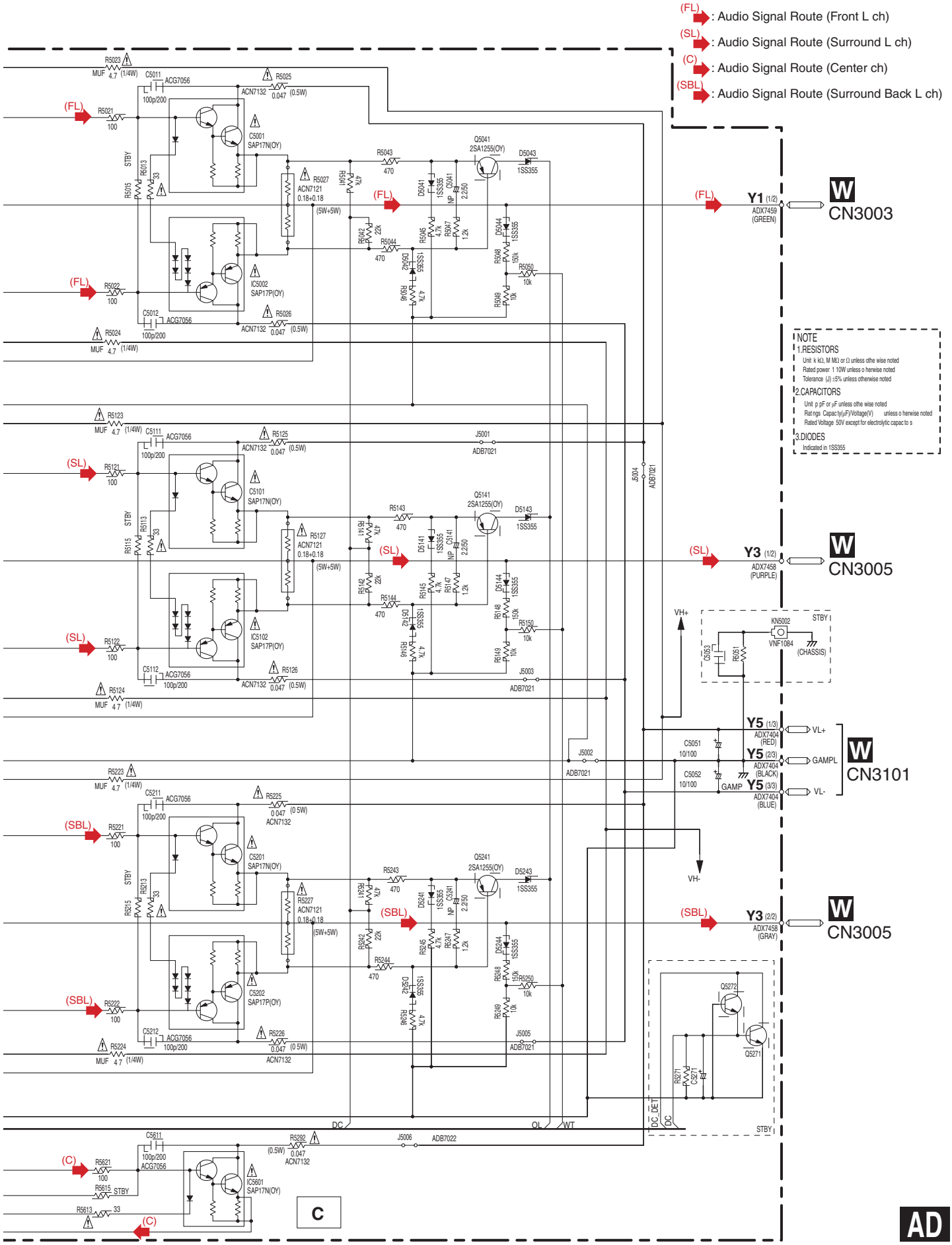
AB IR I/O ASSY (VSX-1017AV-K, VSX-1017AV-S : AWX9067) (VSX-1017TXV-K : AWX9101) (VSX-90TXV : AWX9066)



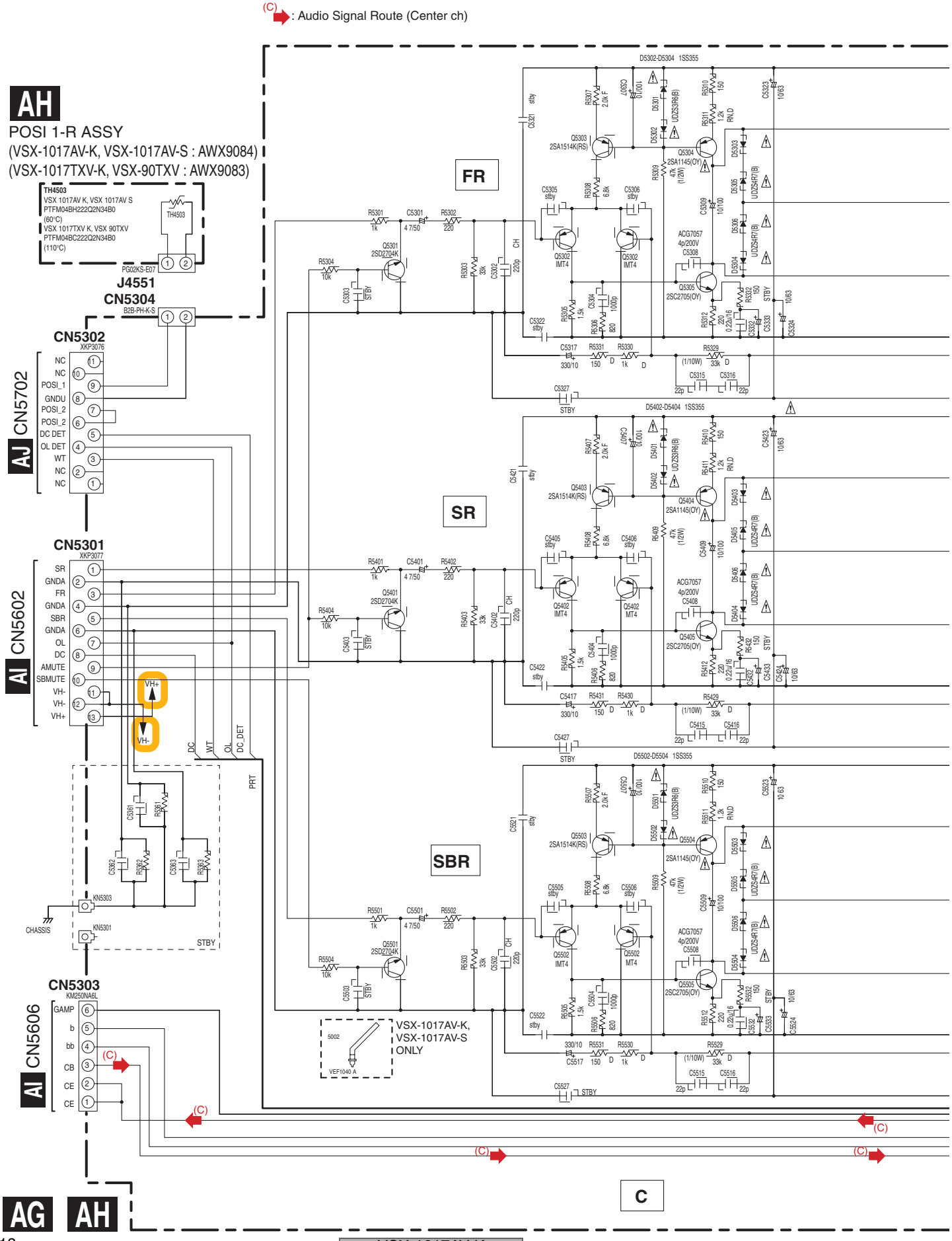
CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. 49101.6 MFD, BY LITTELFUSE INK. FOR IC3510.

10.16 POWER AMP-L, POSI 1-L and POSI 2-L ASSYS

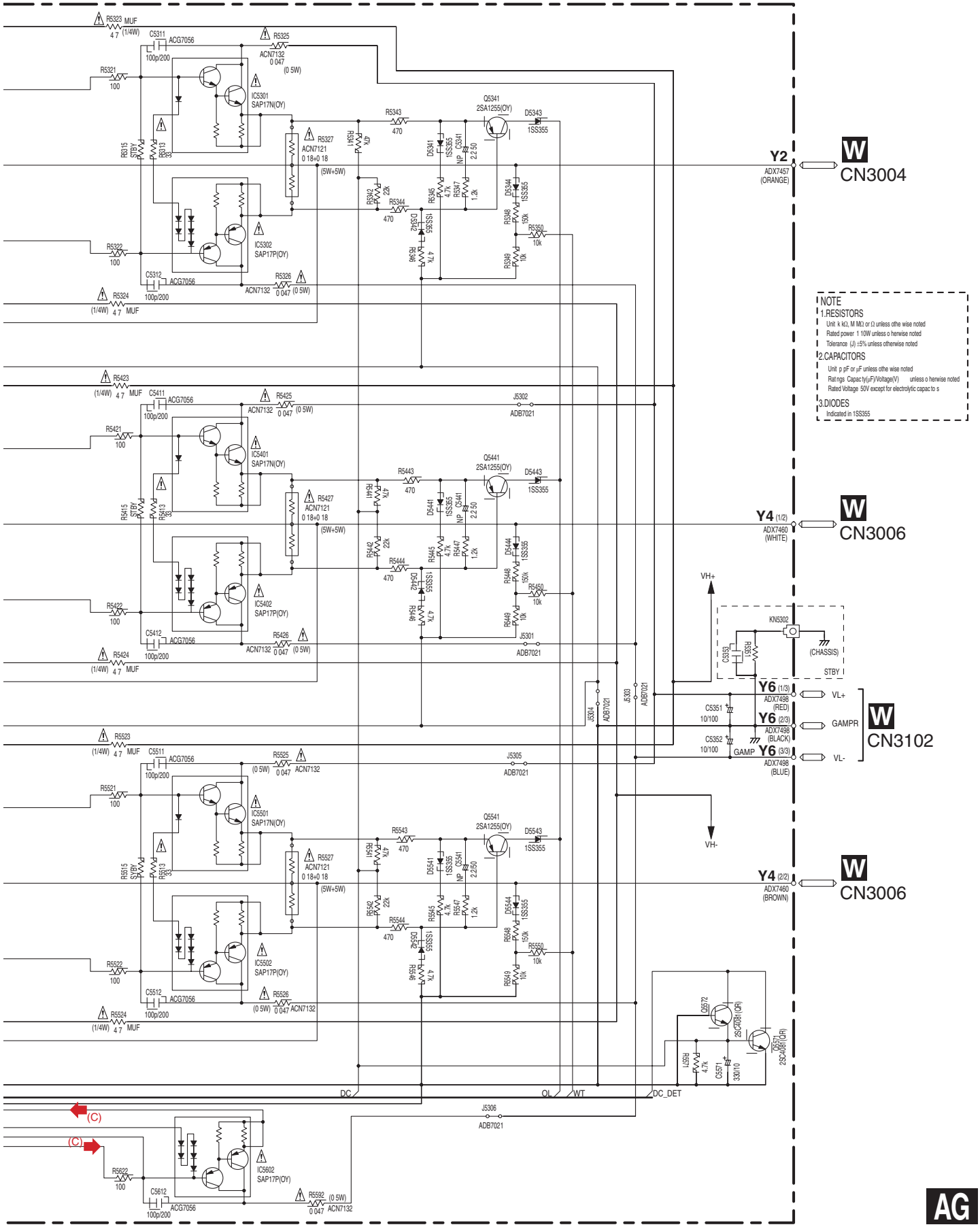



(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
Y1 (1/2) ADX7459 (GREEN)
CN3003
Y3 (1/2) ADX7458 (PURPLE)
CN3005
Y3 (2/2) ADX7458 (GRAY)
CN3005
Y5 (1/3) ADX7404 (RED) VL+
Y5 (2/3) ADX7404 (BLACK) GAMPL
Y5 (3/3) ADX7404 (BLUE) VL-
CN3101
NOTE
1.RESISTORS
2.CAPACITORS
3.DIODES
Indicated in 1SS355
IC5002 SAP17P(OY)
IC5102 SAP17P(OY)
IC5601 SAP17N(OY)
C5001 SAP17N(OY)
C5101 SAP17N(OY)
C5201 SAP17N(OY)
C5202 SAP17P(OY)
ACN7132
ACN7121
ACG7056
ADB7021
ADB7022
KN5002
VNF1084
(CHASSIS)
STBY
VH+
VH-
GAMP
DC_DET
OC
OL
WT
DC

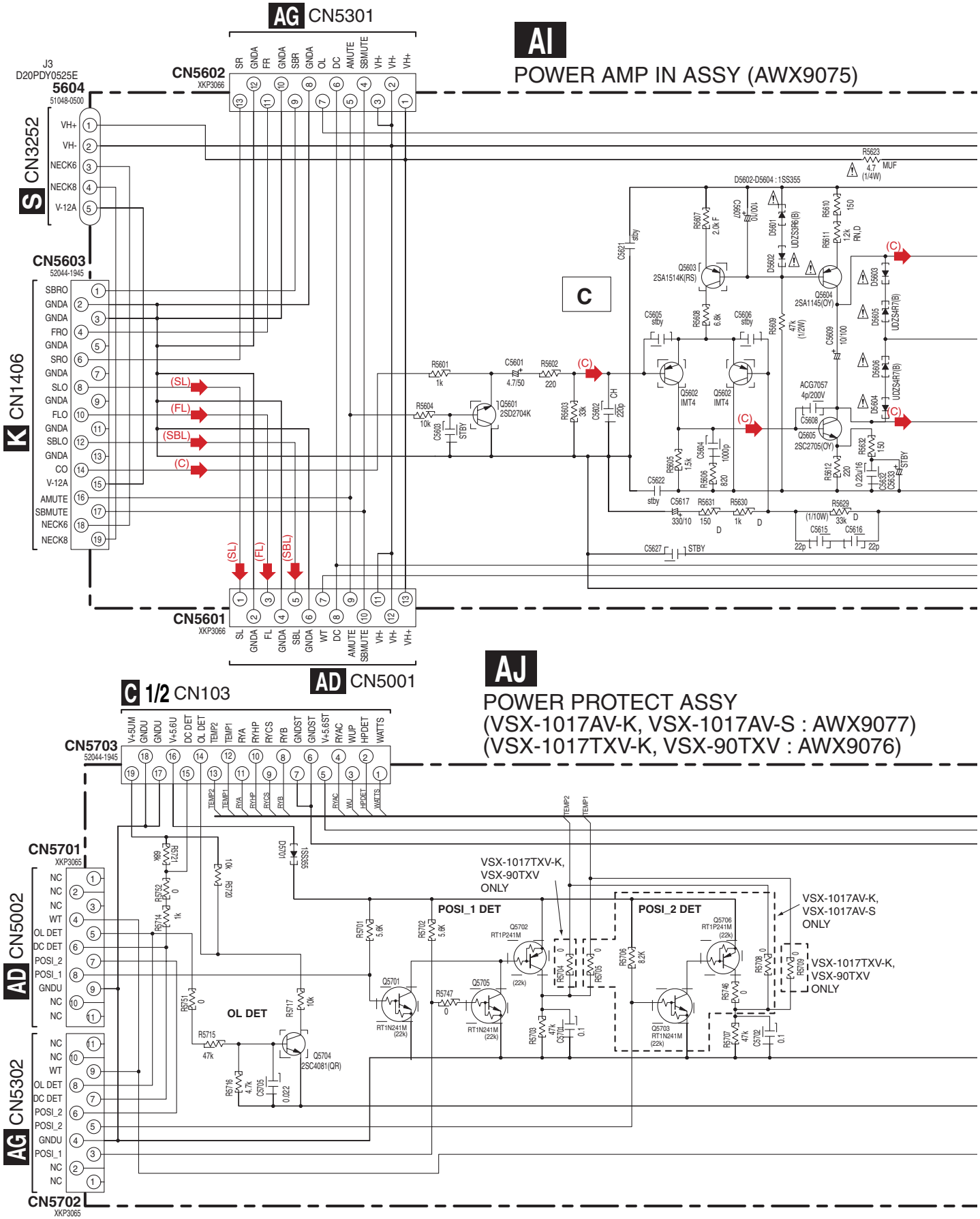
10.17 POWER AMP-R and POSI 1-R ASSYS



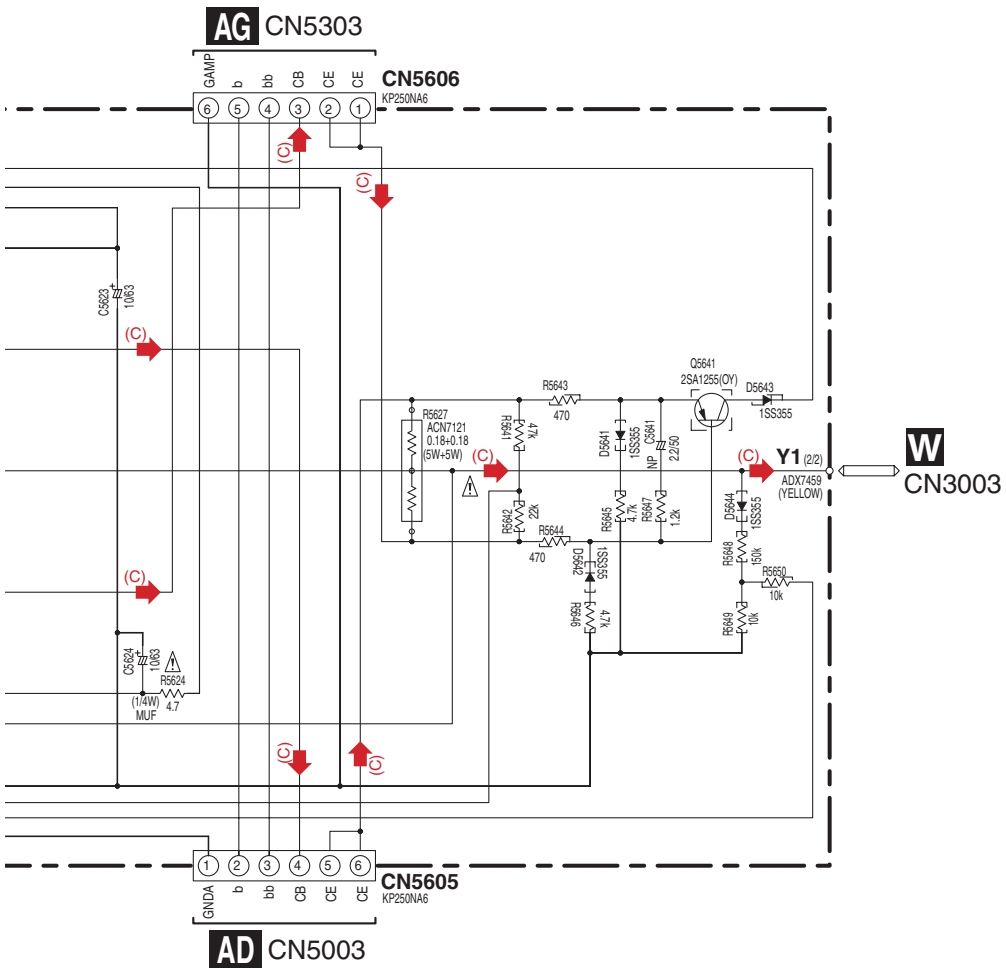
AG POWER AMP-R ASSY (VSX-1017AV-K, VSX-1017AV-S : AWX9073) (VSX-1017TXV-K, VSX-90TXV : AWX9106)



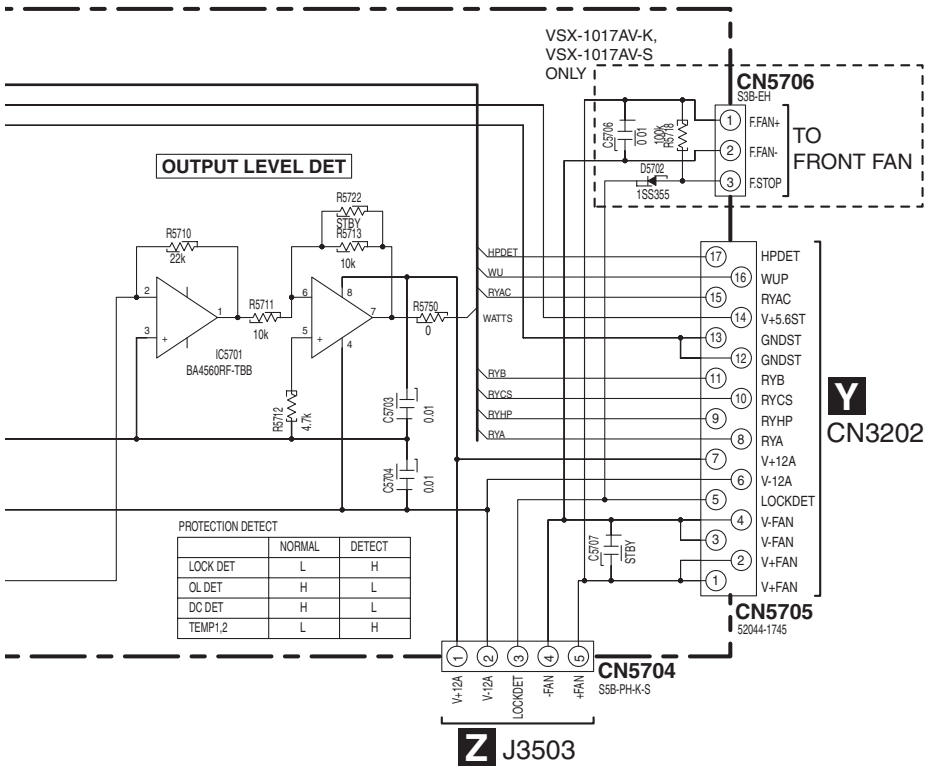
10.18 BRIDGE 1-L, POWER AMP IN and POWER PROTECT ASSYS



(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)

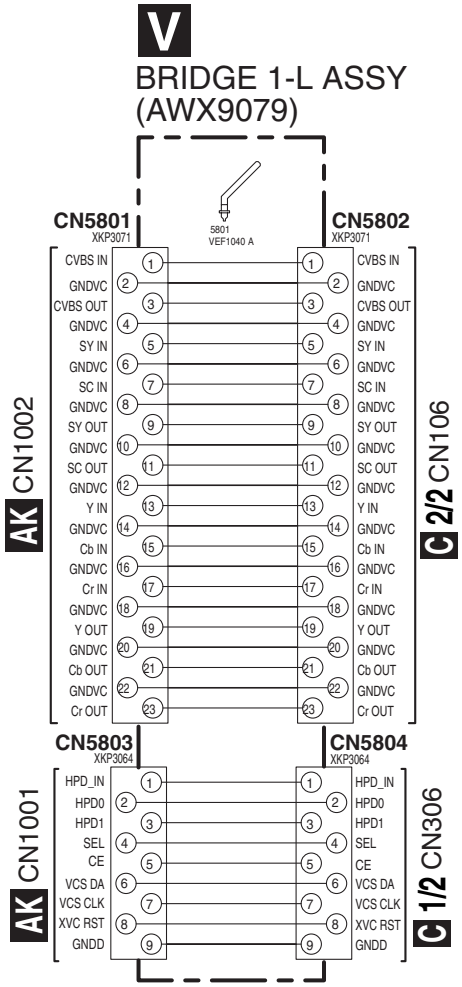


NOTE
1.RESISTORS
Unit k kΩ, M MΩ or Ω unless otherwise noted
Rated power 1/16W unless otherwise noted
Tolerance (J) ±5% unless o herw se noted
2.CAPACITORS
Unit p pF or µF unless otherwise noted
Ratings Capacity(µF)/Voltage(V) unless o herw se noted
Rated Voltage 50V expect for electrolytic capac tors

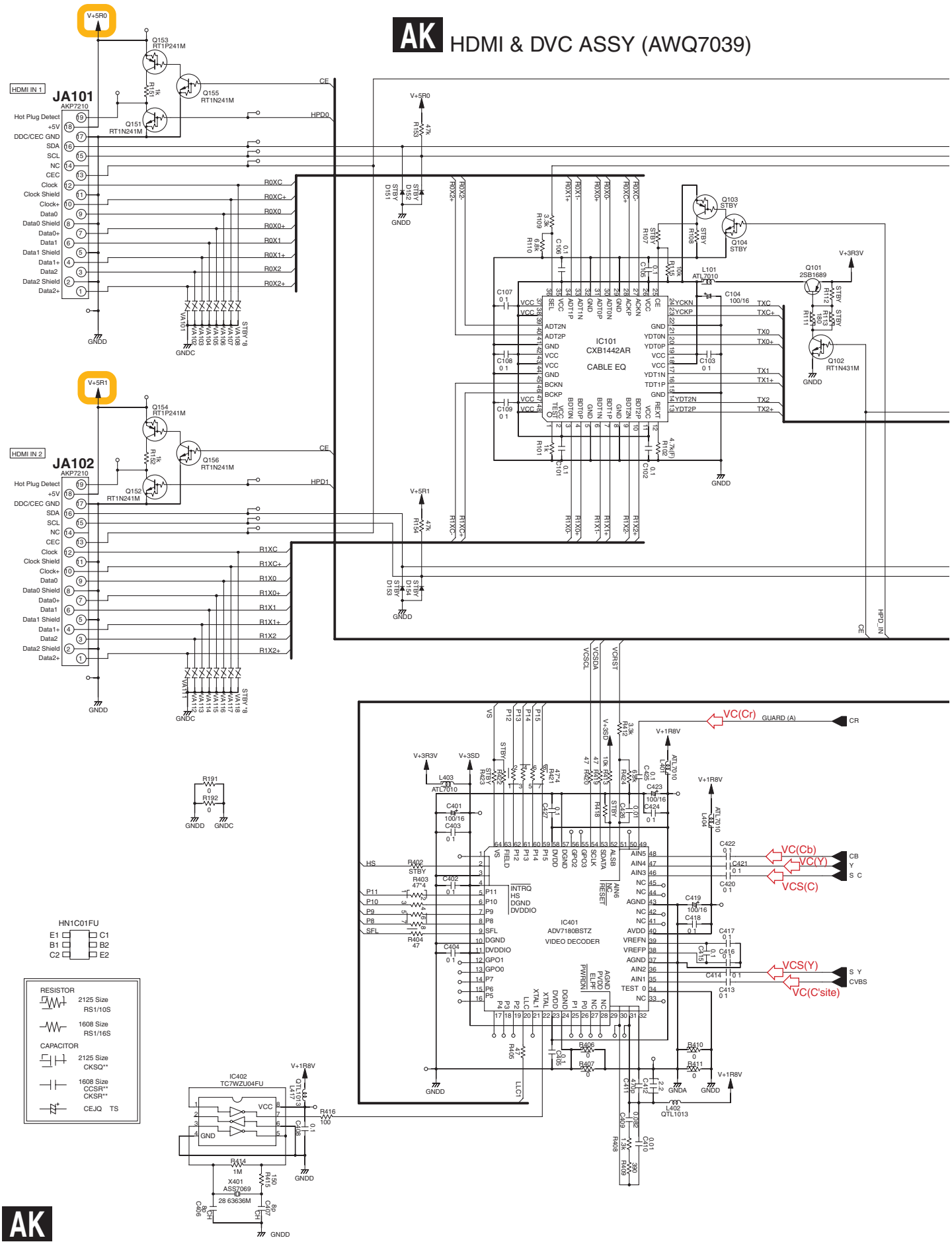


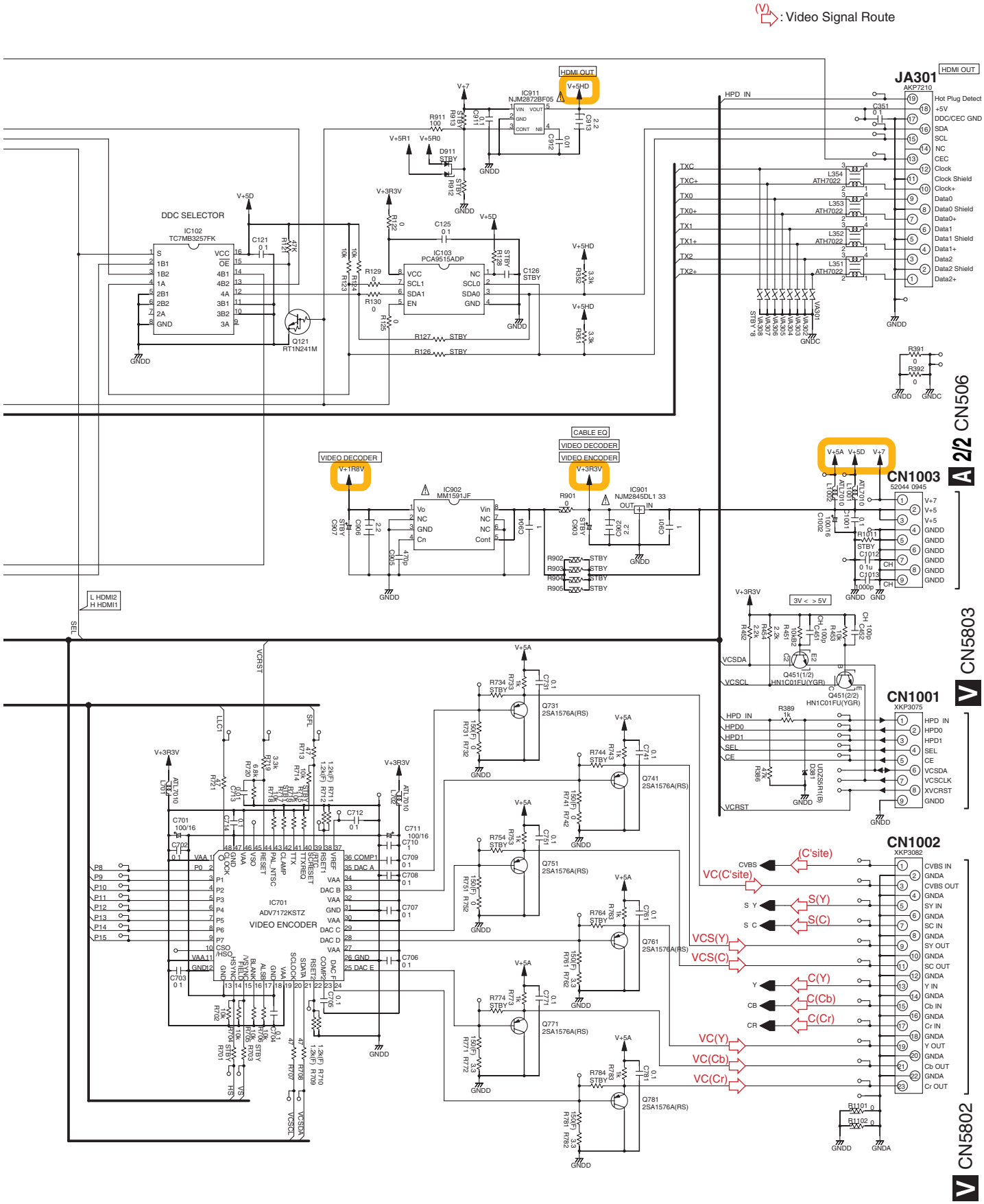
PROTECTION DETECT

	NORMAL	DETECT
LOCK DET	L	H
OL DET	H	L
DC DET	H	L
TEMP1,2	L	H



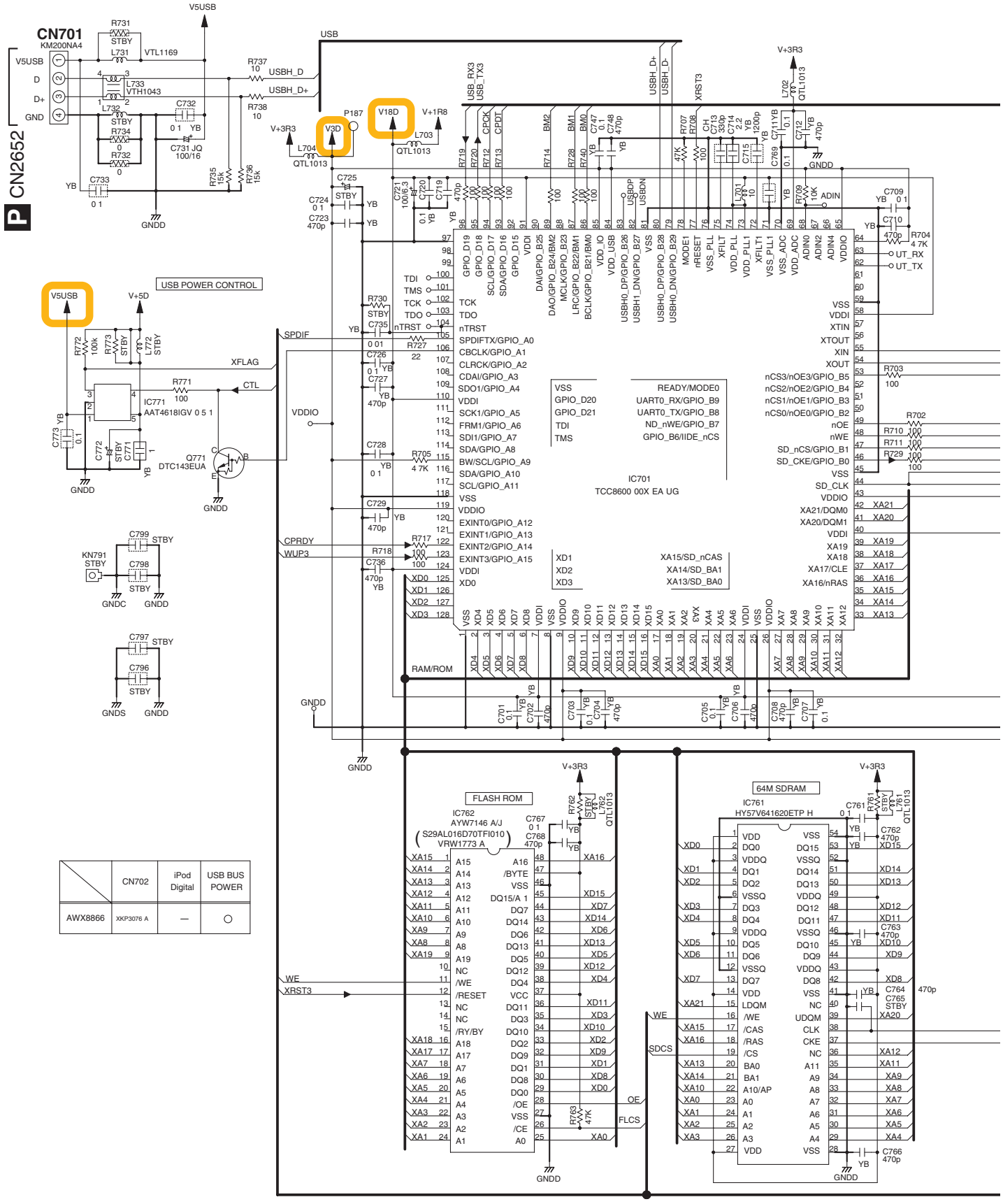
10.19 HDMI & DVC ASSY



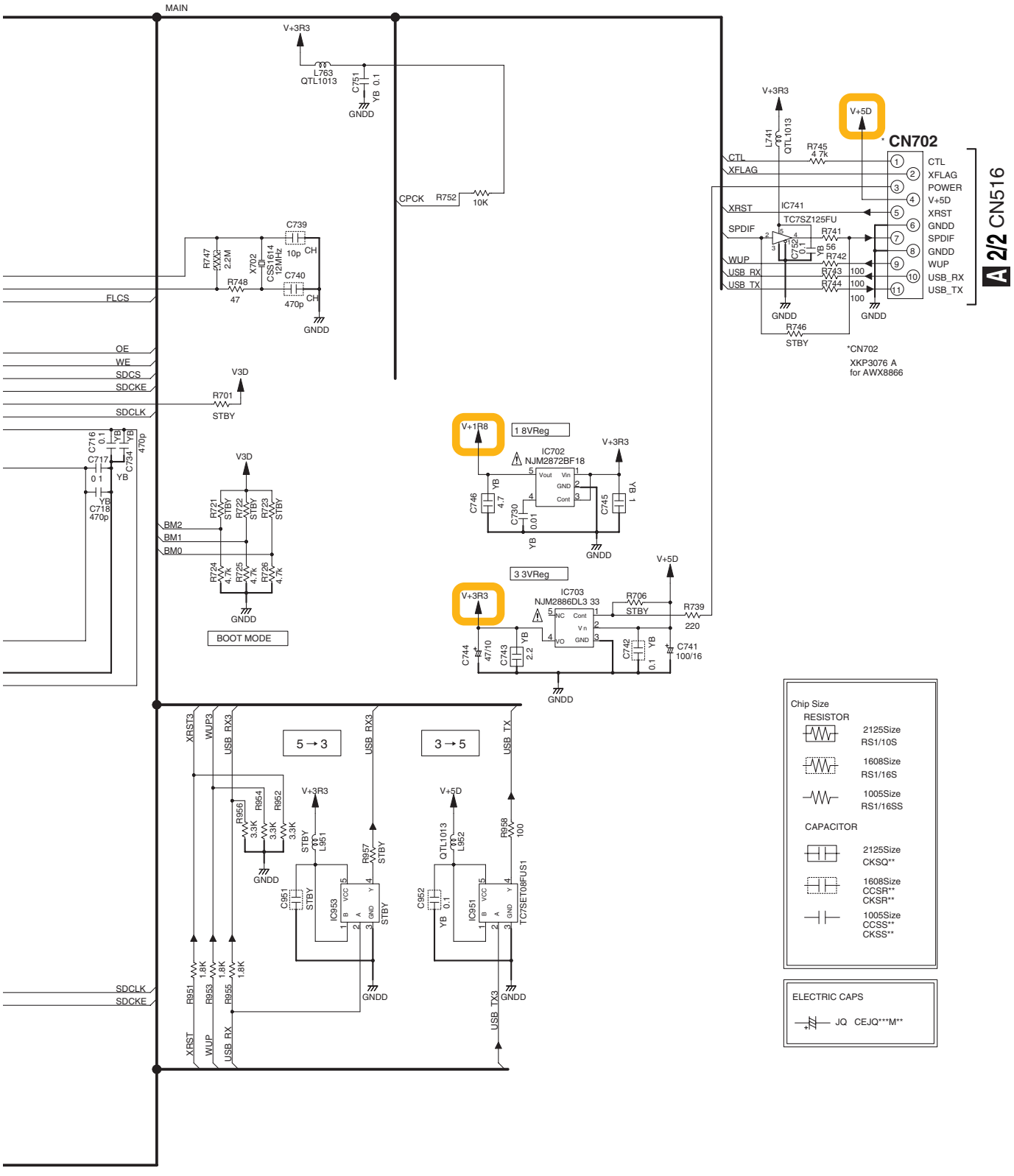

(V): Video Signal Route
JA301
HDMI OUT
AKP7210
Hot Plug Detect
+5V
DDC/CEC GND
SDA
SCL
NC
CEC
Clock
Clock Shield
Clock+
Data0
Data0 Shield
Data0+
Data1
Data1 Shield
Data1+
Data2
Data2 Shield
Data2+
HPD IN
TXC
TXC+
TX0
TX0+
TX1
TX1+
TX2
TX2+
DDC SELECTOR
IC102
TC7MB3257FK
IC103
PCA9515ADP
Q121
RT1N241M
IC911
NJM2872BF05
IC902
MM1591JF
IC901
NJM2845DL1
CABLE EQ
VIDEO DECODER
VIDEO ENCODER
CN1003
52044 0945
CN1001
XKP3075
CN1002
XKP3082
CN506
CN5803
CN5802
L HDMI2
H HDMI1
SEL
VCRST
IC701
ADV7172KSTZ
VIDEO ENCODER
Q731
2SA1576A(RS)
Q751
2SA1576A(RS)
Q761
2SA1576A(RS)
Q771
2SA1576A(RS)
Q781
2SA1576A(RS)
Q451(1/2)
HN1C01FU(YGR)
Q451(2/2)
HN1C01FU(YGR)
3V < > 5V
VCSDA
VCSCL
CVBS
VC(C'site)
(C'site)
S(Y)
S(C)
VCS(Y)
VCS(C)
C(Y)
C(Cb)
C(Cr)
VC(Y)
VC(Cb)
VC(Cr)
GNDD
GNDC
GNDA

10.20 USB ASSY (VSX-1017AV ONLY)

AL USB ASSY (AWX8866)



	CN702	iPod Digital	USB BUS POWER
AWX8866	XKP3076 A	—	○


MAIN
V+3R3
L763 QTL1013
C751 0.1 YB
GNDD
CPCK R752 10K
C739 10p CH
X702 CSS1414 12MHz
R747 2.2M
R748 47
C740 470p CH
FLCS
OE
WE
SDCS
SDCKE
SDCLK
V3D
R701 STBY
C716 0.1 YB
C717 0.1 YB
C718 470p YB
C734 470p YB
BM2
BM1
BM0
R721 STBY
R722 STBY
R723 STBY
R724 4.7k
R725 4.7k
R726 4.7k
BOOT MODE
V+1R8
1.8VReg
IC702 NJM2872BF18
C746 4.7 YB
C730 0.01 YB
C745 1 YB
3.3VReg
V+5D
IC703 NJM2886DL3.33
R706 STBY
R739 220
C744 47/10
C743 2.2 YB
C742 0.1 YB
C741 100/16
V+5D
L741 QTL1013
R745 4.7k
CN702
CTL
XFLAG
POWER
V+5D
XRST
GNDD
SPDIF
WUP
USB_RX
USB_TX
IC741 TC7SZ125FU
C753 0.1 YB
R741 56
R742 100
R743 100
R744 100
R746 STBY
*CN702
XKP3076 A
for AWX8866
A 2/2 CN516
XRST3
WUP3
USB_RX3
5→3
3→5
USB_TX
R956 3.3K
R954 3.3K
R952 3.3K
R951 1.8K
R953 1.8K
R955 1.8K
R957 STBY
R958 100
L951 STBY
L952
C951 STBY
C952 0.1 YB
IC953
IC951
TC7SET08FUS1
USB_TX3
SDCLK
SDCKE
XRST
WUP
USB_RX
Chip Size
RESISTOR
2125Size RS1/10S
1608Size RS1/16S
1005Size RS1/16SS
CAPACITOR
2125Size CKSQ**
1608Size CCSR** CKSR**
1005Size CCSS** CKSS**
ELECTRIC CAPS
JQ CEJQ***M**

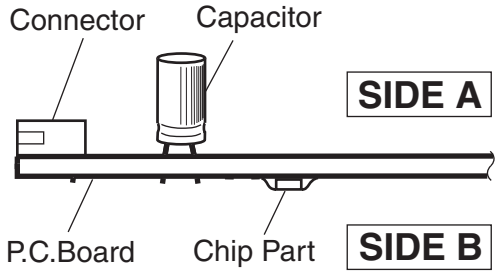
11. PCB CONNECTION DIAGRAM

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.

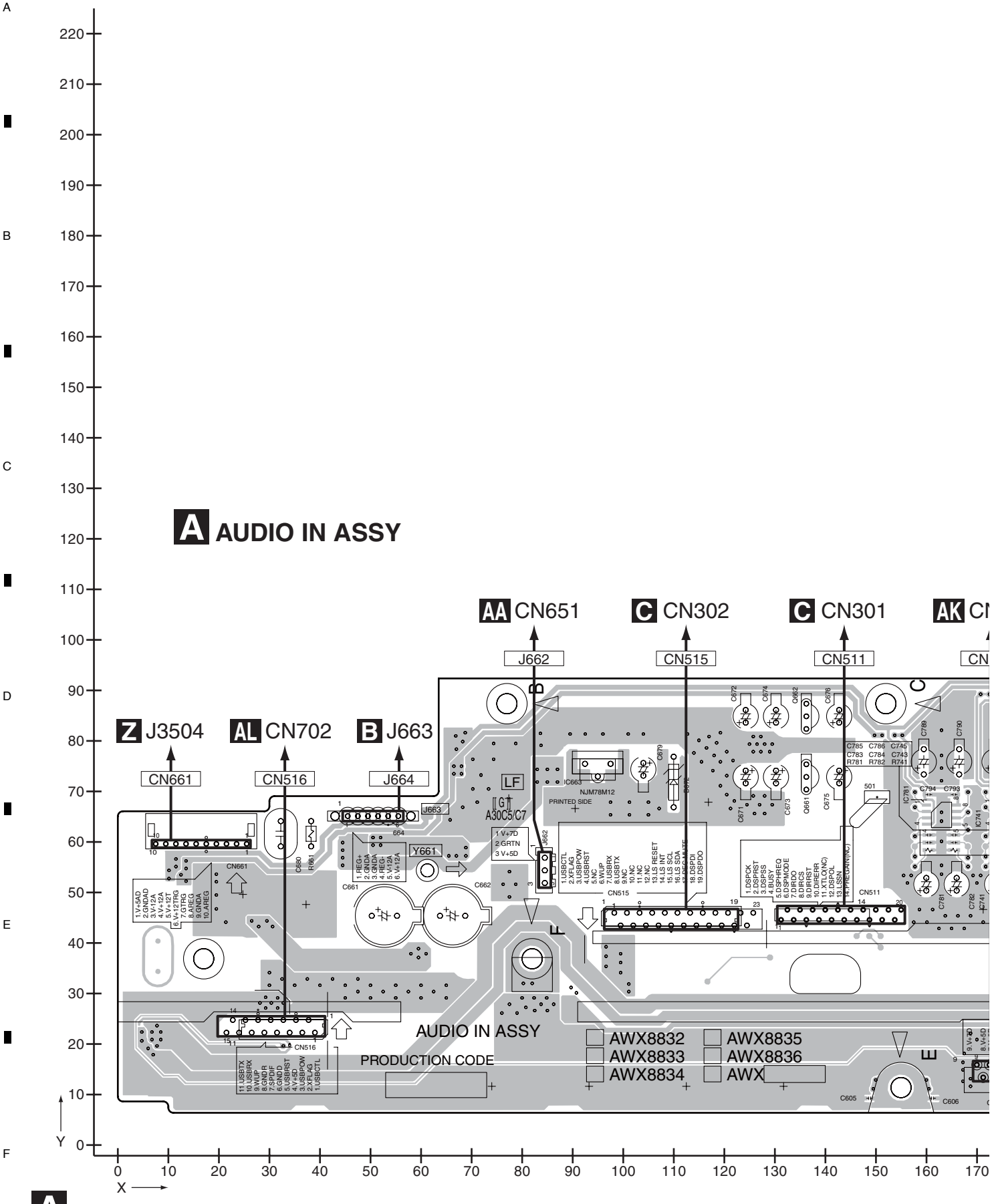
Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
B C E	B C E B C E	Transistor
B C E	B C E B C E	Transistor with resistor
D G S	D G S D G S	Field effect transistor
		Resistor array
		3-terminal regulator

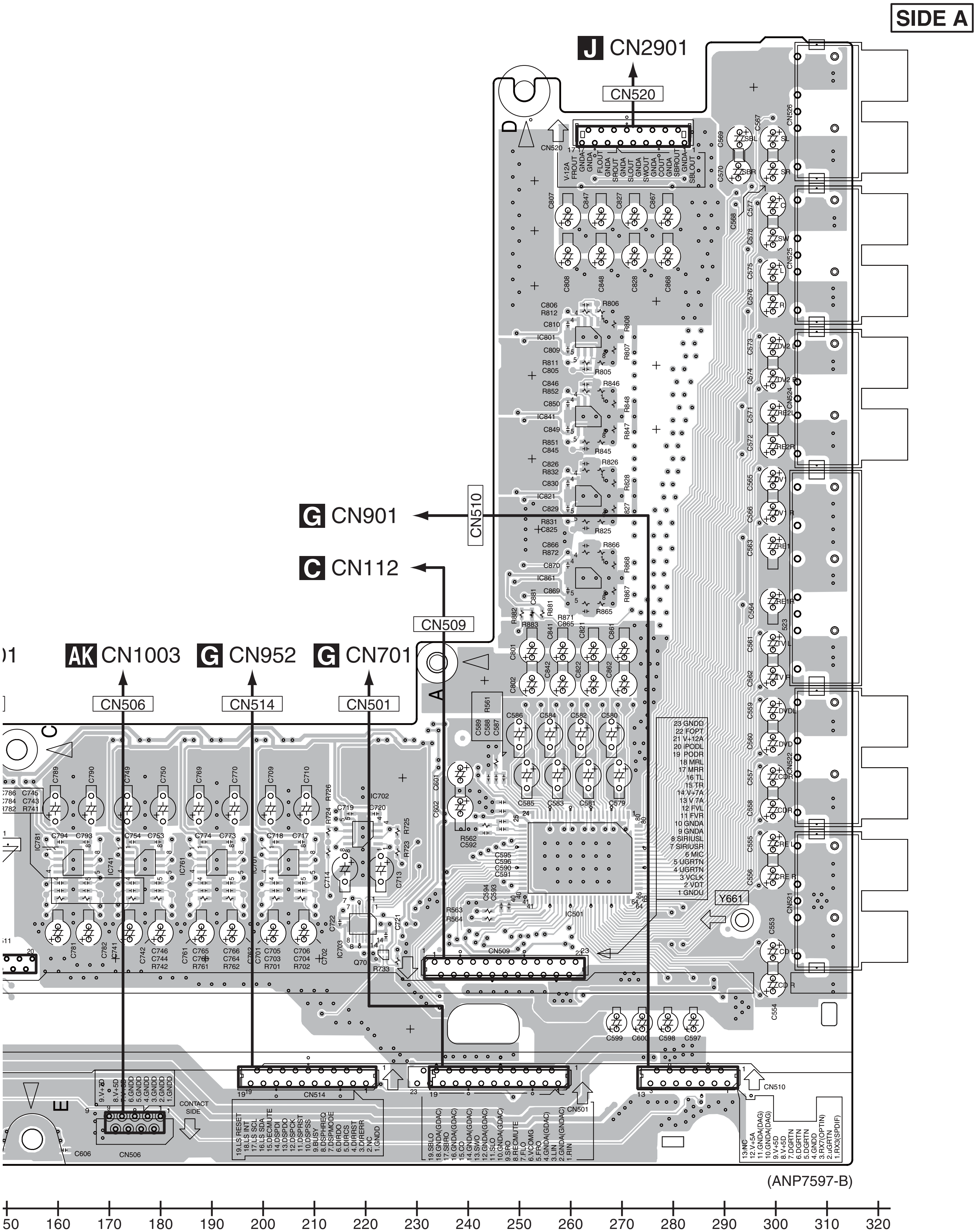
3. The parts mounted on this PCB include all necessary parts for several destinations.
   For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.



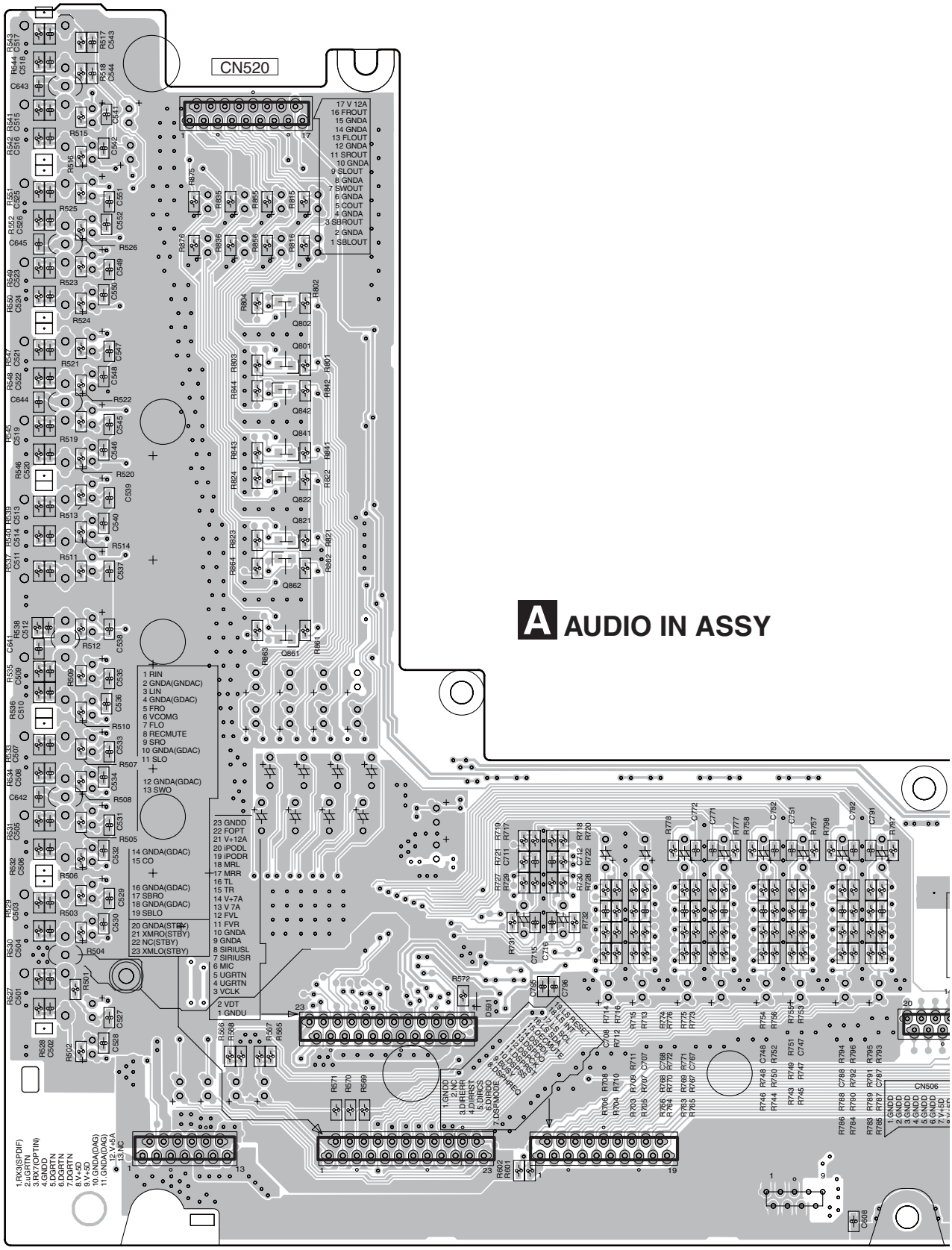
11.1 AUDIO IN ASSY

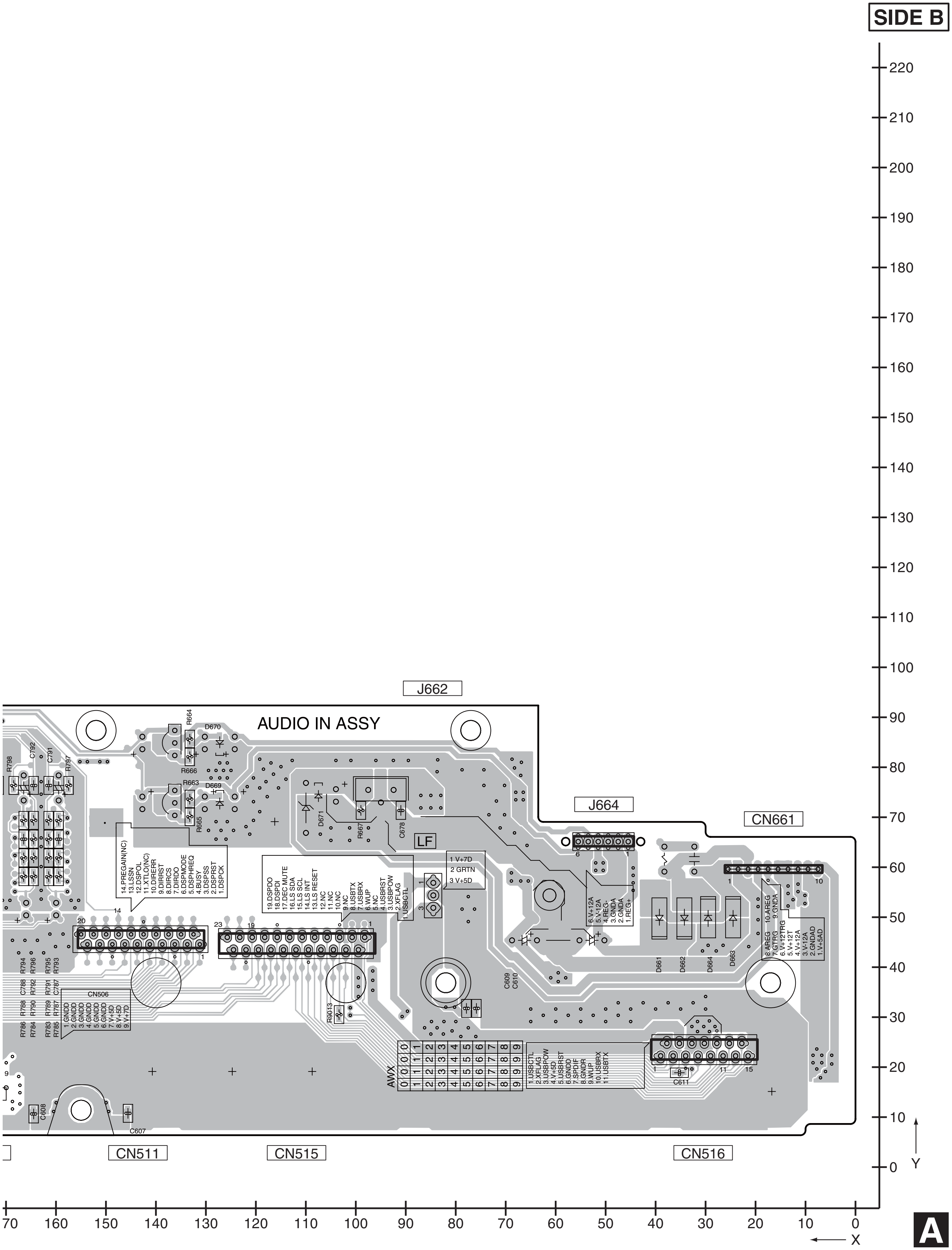
SIDE A




SIDE A
J CN2901
CN520
G CN901
CN510
C CN112
CN509
AK CN1003
G CN952
G CN701
CN506
CN514
CN501
Y661
IC501
CN510
CONTACT SIDE
(ANP7597-B)

SIDE B


A AUDIO IN ASSY
CN520
17 V 12A
16 FROUT
15 GNDA
14 GNDA
13 FLOUT
12 GNDA
11 SROUT
10 GNDA
9 SLOUT
8 GNDA
7 SWOUT
6 GNDA
5 COUT
4 GNDA
3 SBROUT
2 GNDA
1 SBLOUT
1 RIN
2 GNDA(GNDAC)
3 LIN
4 GNDA(GDAC)
5 FRO
6 VCOMG
7 FLO
8 RECMUTE
9 SRO
10 GNDA(GDAC)
11 SLO
12 GNDA(GDAC)
13 SWO
14 GNDA(GDAC)
15 CO
16 GNDA(GDAC)
17 SBRO
18 GNDA(GDAC)
19 SBLO
20 GNDA(STBY)
21 XMRO(STBY)
22 NC(STBY)
23 XMLO(STBY)
23 GNDD
22 FOPT
21 V+12A
20 iPODL
19 iPODR
18 MRL
17 MRR
16 TL
15 TR
14 V+7A
13 V 7A
12 FVL
11 FVR
10 GNDA
9 GNDA
8 SIRIUSL
7 SIRIUSR
6 MIC
5 UGRTN
4 UGRTN
3 VCLK
2 VDT
1 GNDU
1.RX3(SPDIF)
2.UGRTN
3.RX7(OPTIN)
4.GNDD
5.DGRTN
6.DGRTN
7.DGRTN
8.V+5D
9.V+5D
10.GNDA(DAG)
11.GNDA(DAG)
12.V+7A
13.NC
1.GNDD
2.NC
3.DIRERR
4.DIRRST
5.DIRCO
6.DIRCO
7.DSPMODE
1.GNDD
2.GNDD
3.GNDD
4.GNDD
5.GNDD
6.GNDD
7.V+5D
8.V+5D
(ANP7597-B)
CN510
CN509
CN501
CN514
CN506


SIDE B
AUDIO IN ASSY
J662
J664
CN661
CN511
CN515
CN516
CN506
LF
AWX
1 V+7D
2 GRTN
3 V+5D
14.PREGAIN(NC)
13.LSSN
12.DSPOL
11.XTLO(NC)
10.DIRERR
9.DIRRST
8.DIRCS
7.DIRDO
6.DSPMODE
5.DSPHREQ
4.BUSY
3.DSPSS
2.DSPRST
1.DSPCK
19.DSPDO
18.DSPDI
17.DEC MUTE
16.LS SDA
15.LS SCL
14.LS INT
13.LS RESET
12.NC
11.NC
10.NC
9.NC
8.USBTX
7.USBRX
6.WUP
5.NC
4.USBRST
3.USBPOW
2.XFLAG
1.USBCTL
6.V+12A
5.V-12A
4.REG-
3.GNDA
2.GNDA
1.REG+
8.AREG
7.GTRG
6.V+12TRG
5.V+12T
4.V+12A
3.V-12A
2.GNDAD
1.V+5AD
10.AREG
9.GNDA
1.GNDD
2.GNDD
3.GNDD
4.GNDD
5.GNDD
6.GNDD
7.V+5D
8.V+5D
9.V+7D
1.USBCTL
2.XFLAG
3.USBPOW
4.V+5D
5.USBRST
6.GNDD
7.SPDIF
8.GNDR
9.WUP
10.USBRX
11.USBTX
D661 D662 D663 D664 D669 D670 D671
R663 R664 R665 R666 R667 R9013
C607 C608 C609 C610 C611 C678
Y
X
220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0

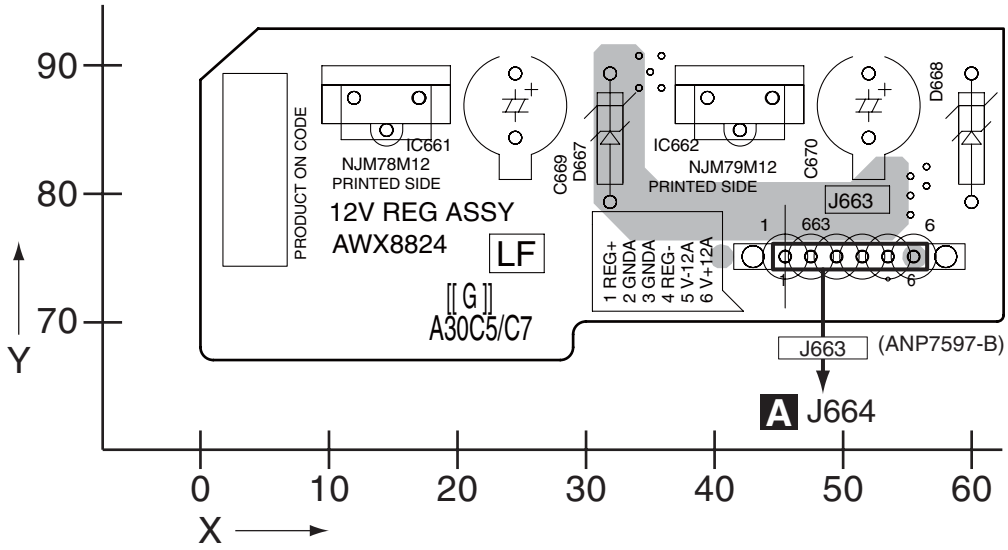
A
B
C
D
E
F

11.2 12V-REG ASSY

SIDE A

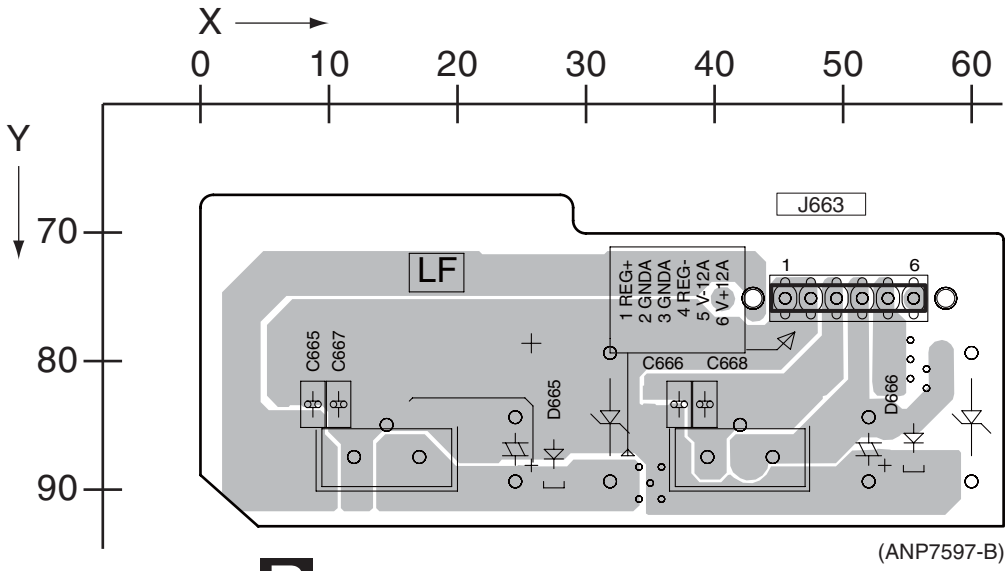
SIDE A

B 12V-REG ASSY



SIDE B

SIDE B



B 12V-REG ASSY

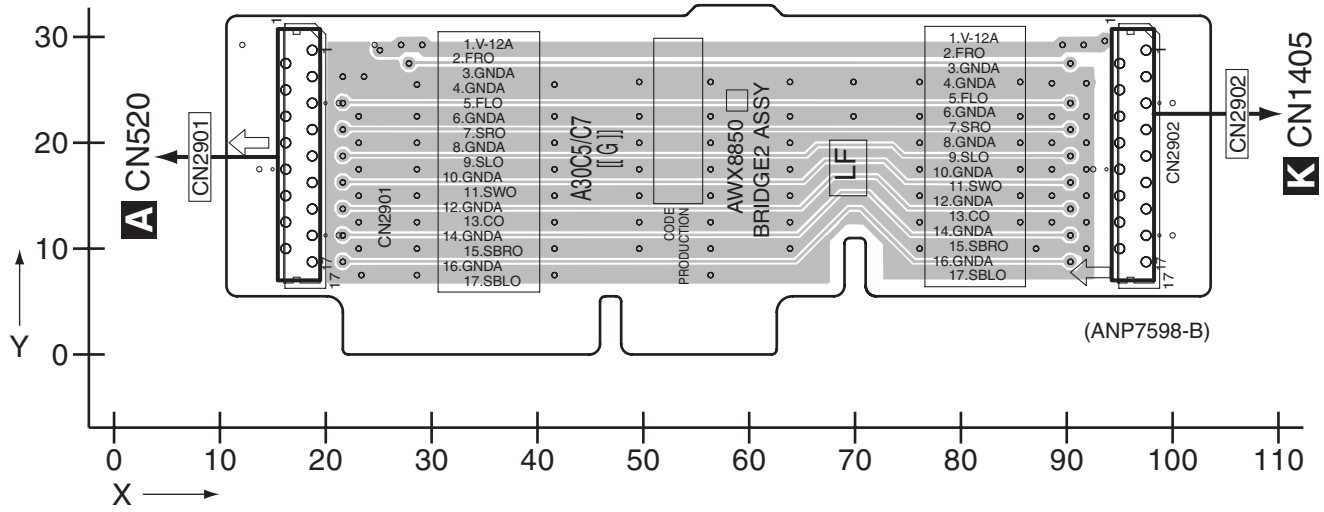
B

B

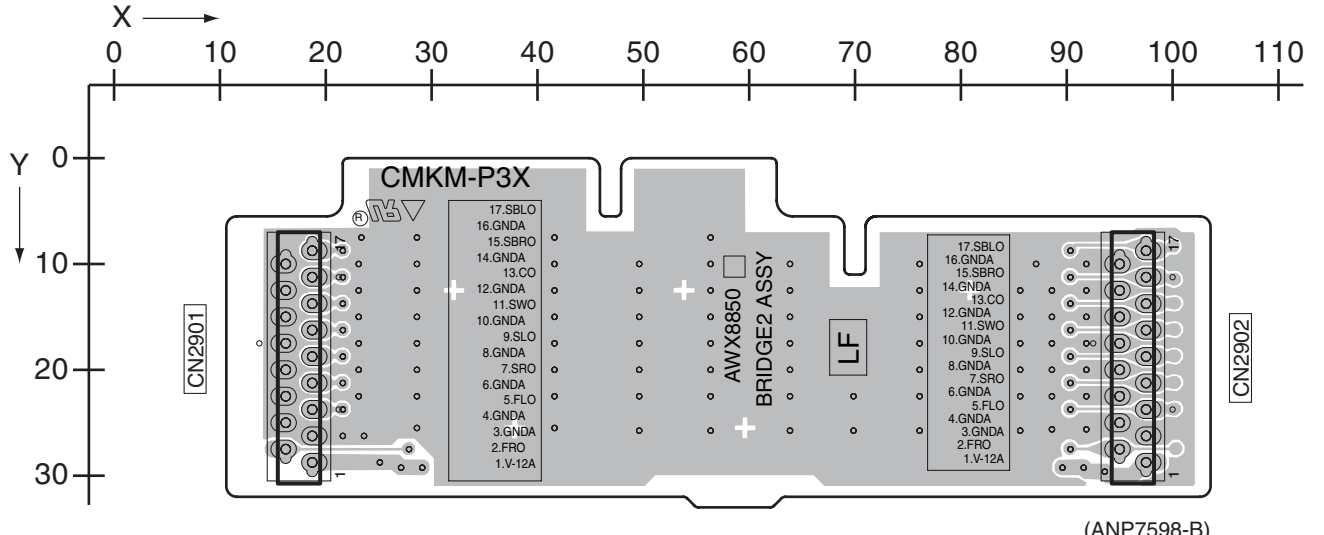
11.3 BRIDGE 2 ASSY

SIDE A **SIDE A**

J BRIDGE 2 ASSY



SIDE B **SIDE B**



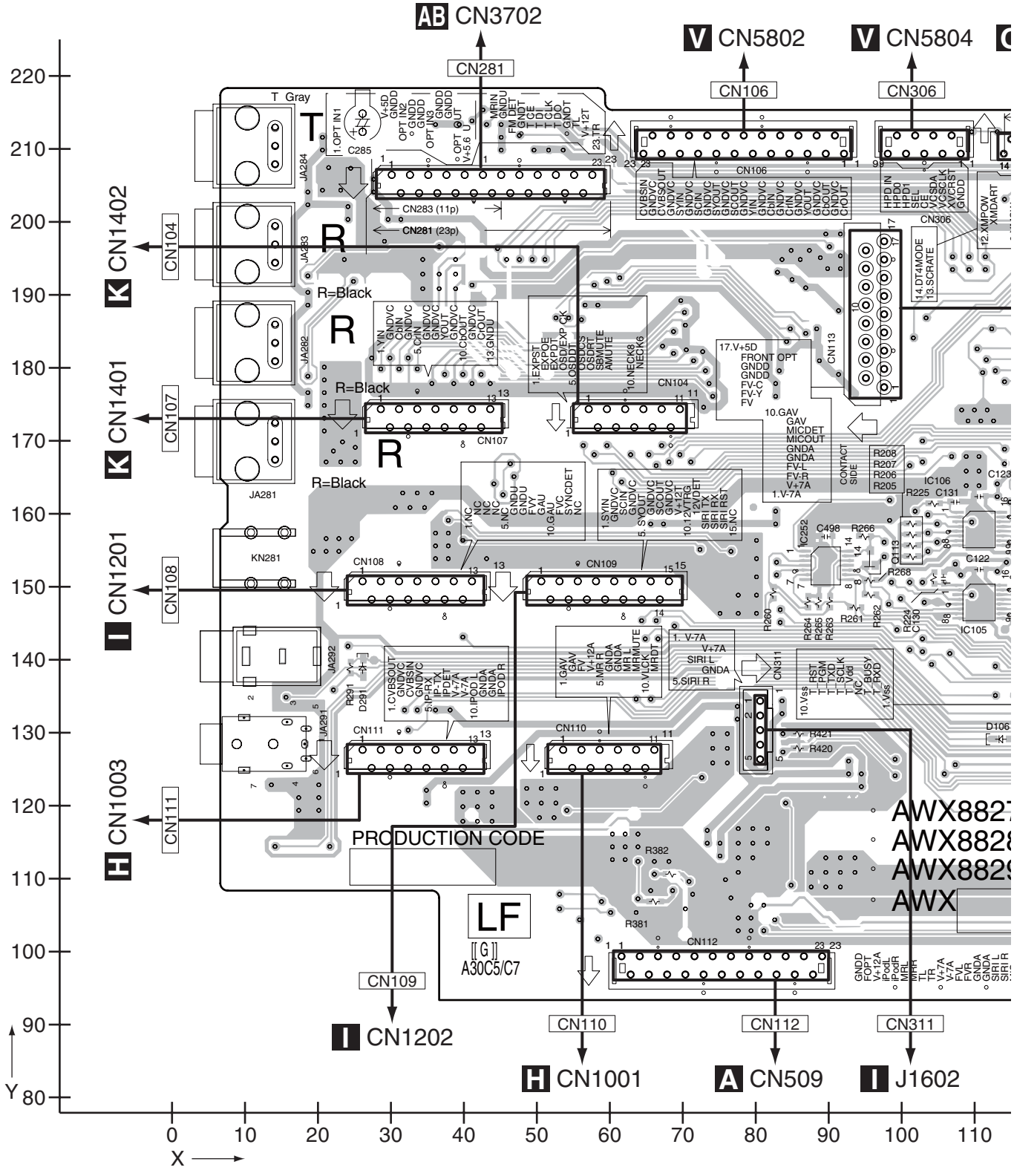
J BRIDGE 2 ASSY

J **J**

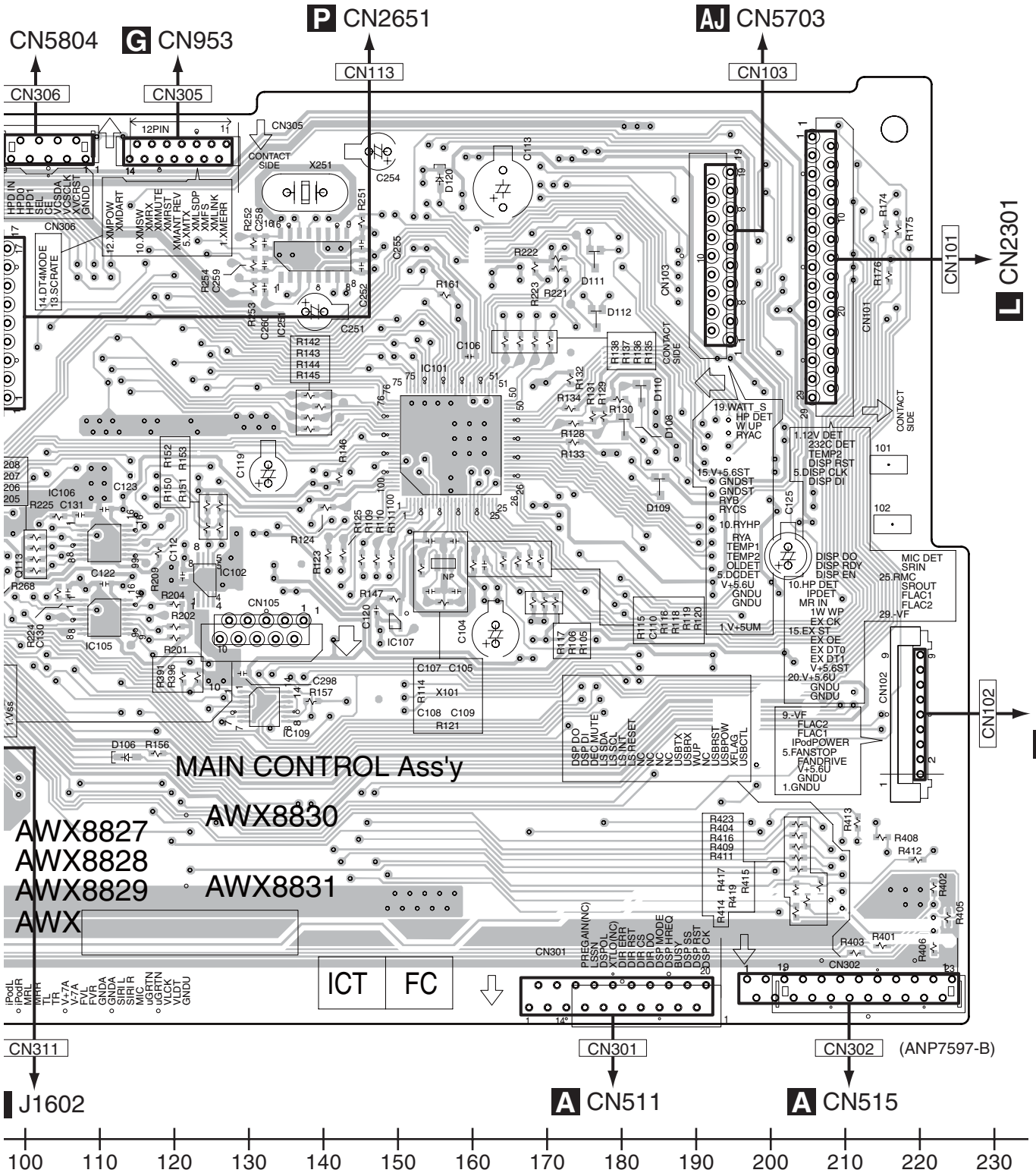
11.4 MAIN CONTROL ASSY

SIDE A

C MAIN CONTROL ASSY

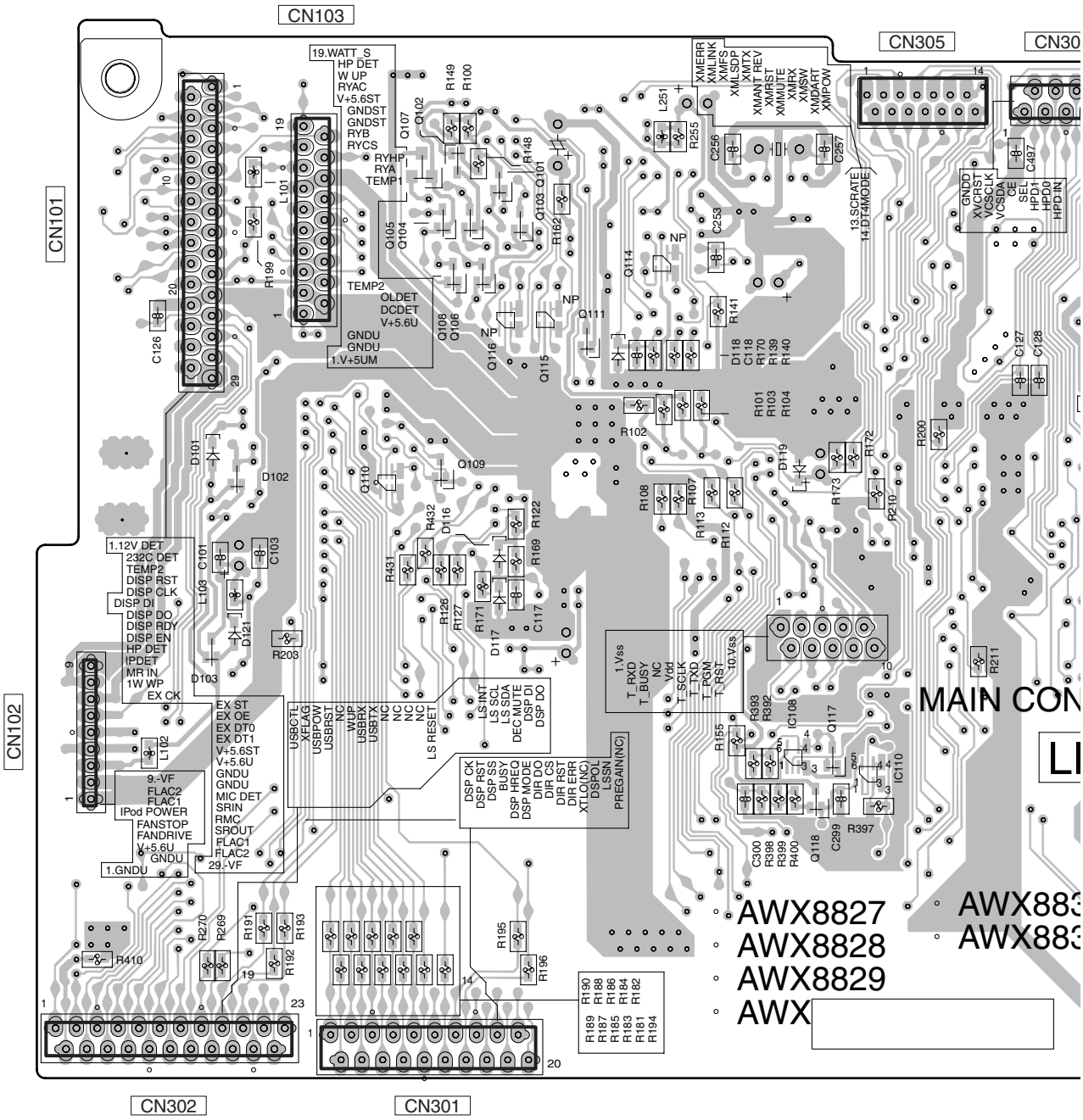


SIDE A

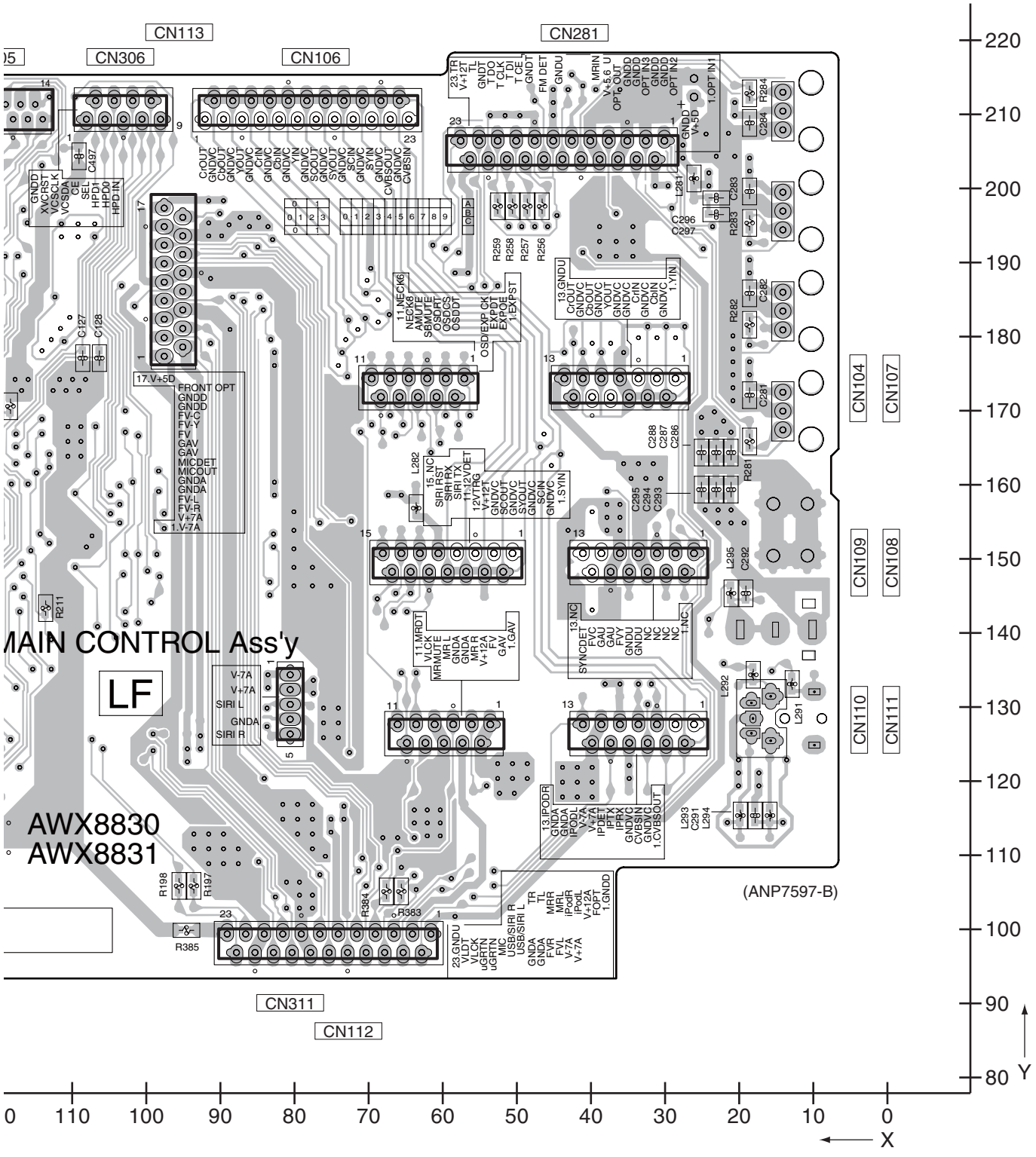

P CN2651
AJ CN5703
CN5804
G CN953
CN306
CN305
CN113
CN103
CN101
L CN2301
CN102
Z 3502
MAIN CONTROL Ass'y
AWX8827
AWX8828
AWX8829
AWX
AWX8830
AWX8831
ICT
FC
CN311
CN301
CN302
(ANP7597-B)
J1602
A CN511
A CN515
100 110 120 130 140 150 160 170 180 190 200 210 220 230

SIDE B

C MAIN CONTROL ASSY



SIDE B

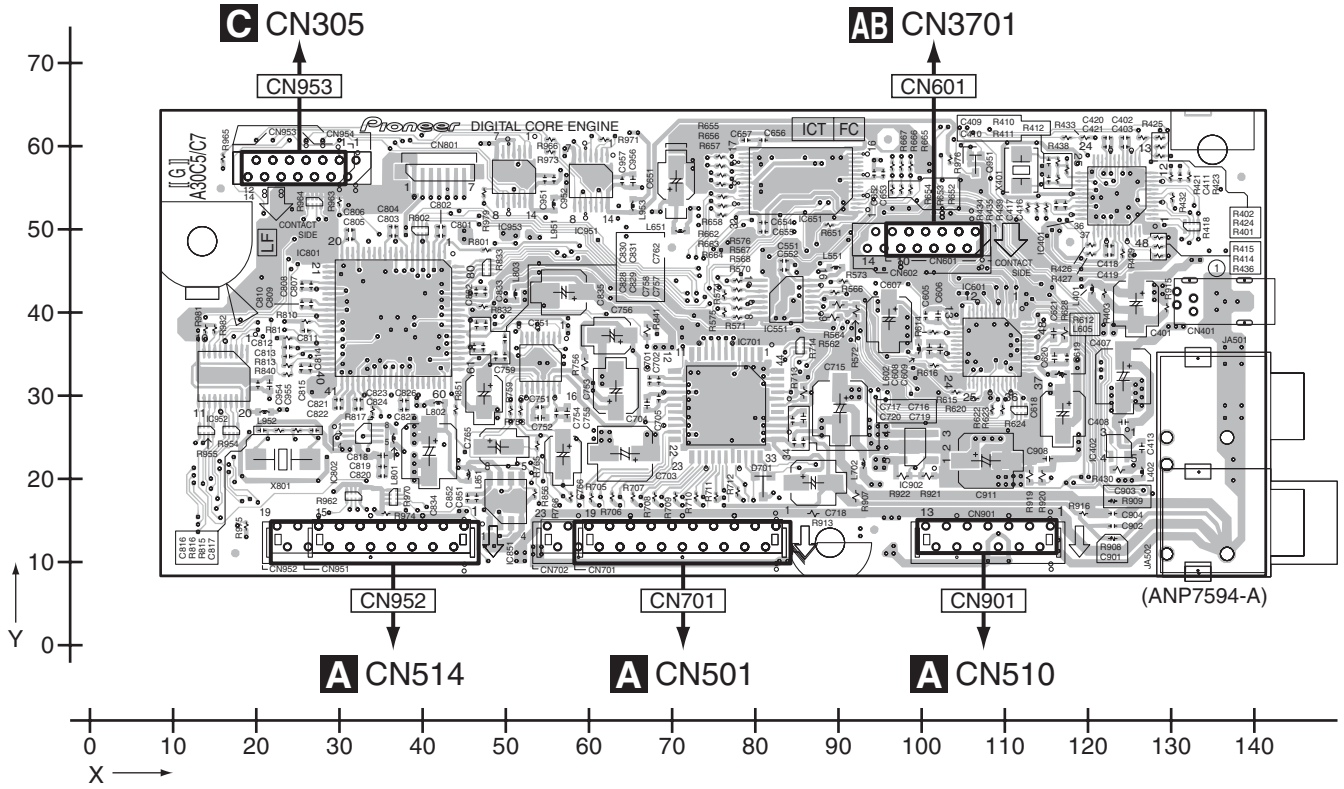

CN113
CN306
CN106
CN281
CN104
CN107
CN109
CN108
CN110
CN111
CN311
CN112
MAIN CONTROL Ass'y
LF
AWX8830
AWX8831
(ANP7597-B)
X
Y

11.5 DSP ASSY

SIDE A

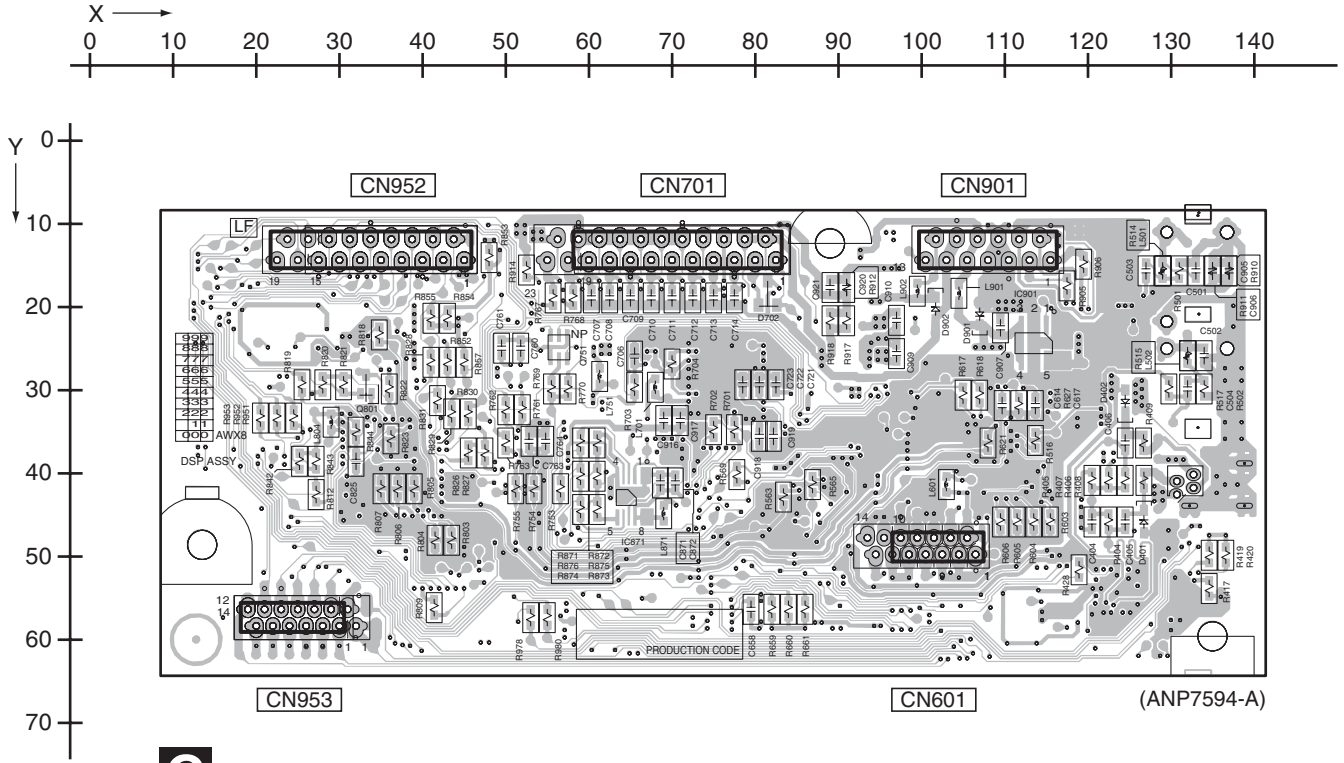
SIDE A

G DSP ASSY



SIDE B

SIDE B



G DSP ASSY

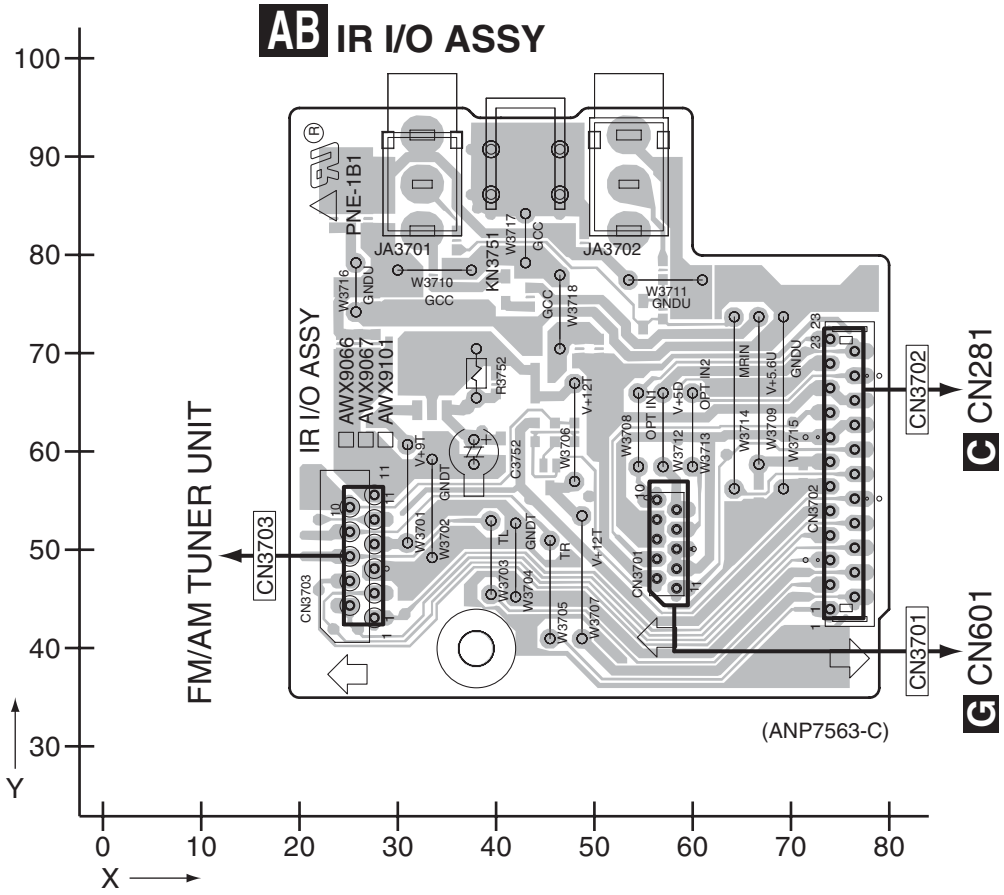
G G

11.6 IR I/O ASSY

SIDE A

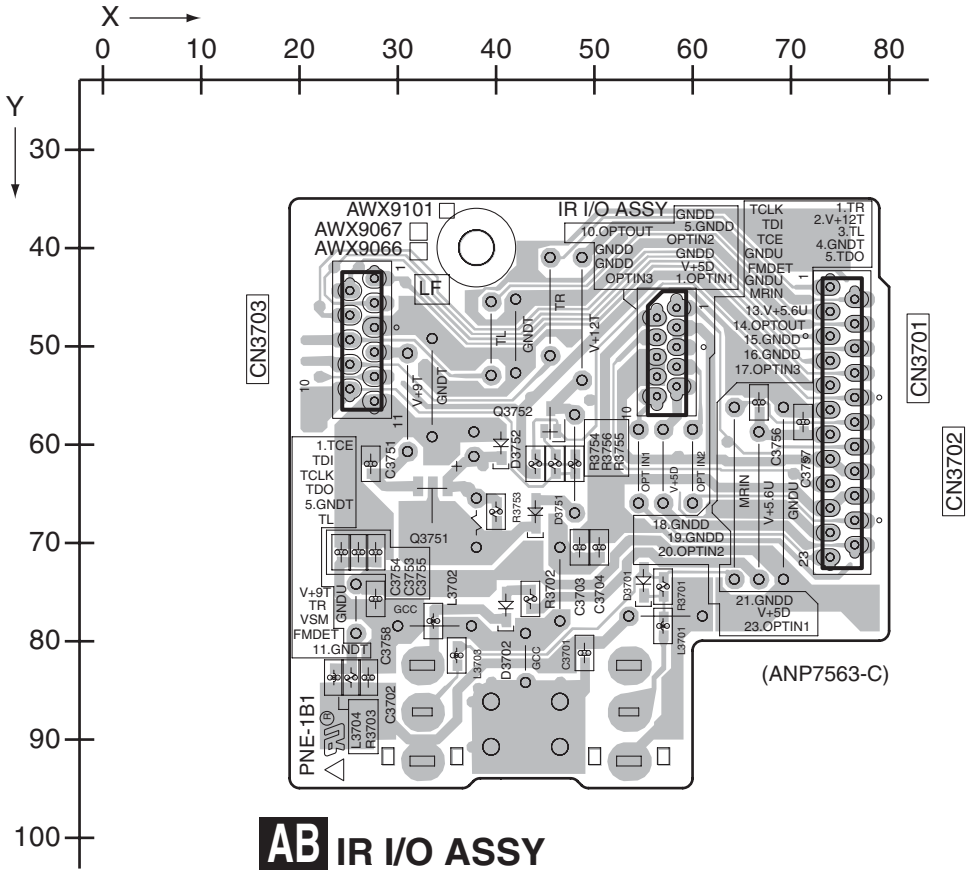
SIDE A

AB IR I/O ASSY



SIDE B

SIDE B



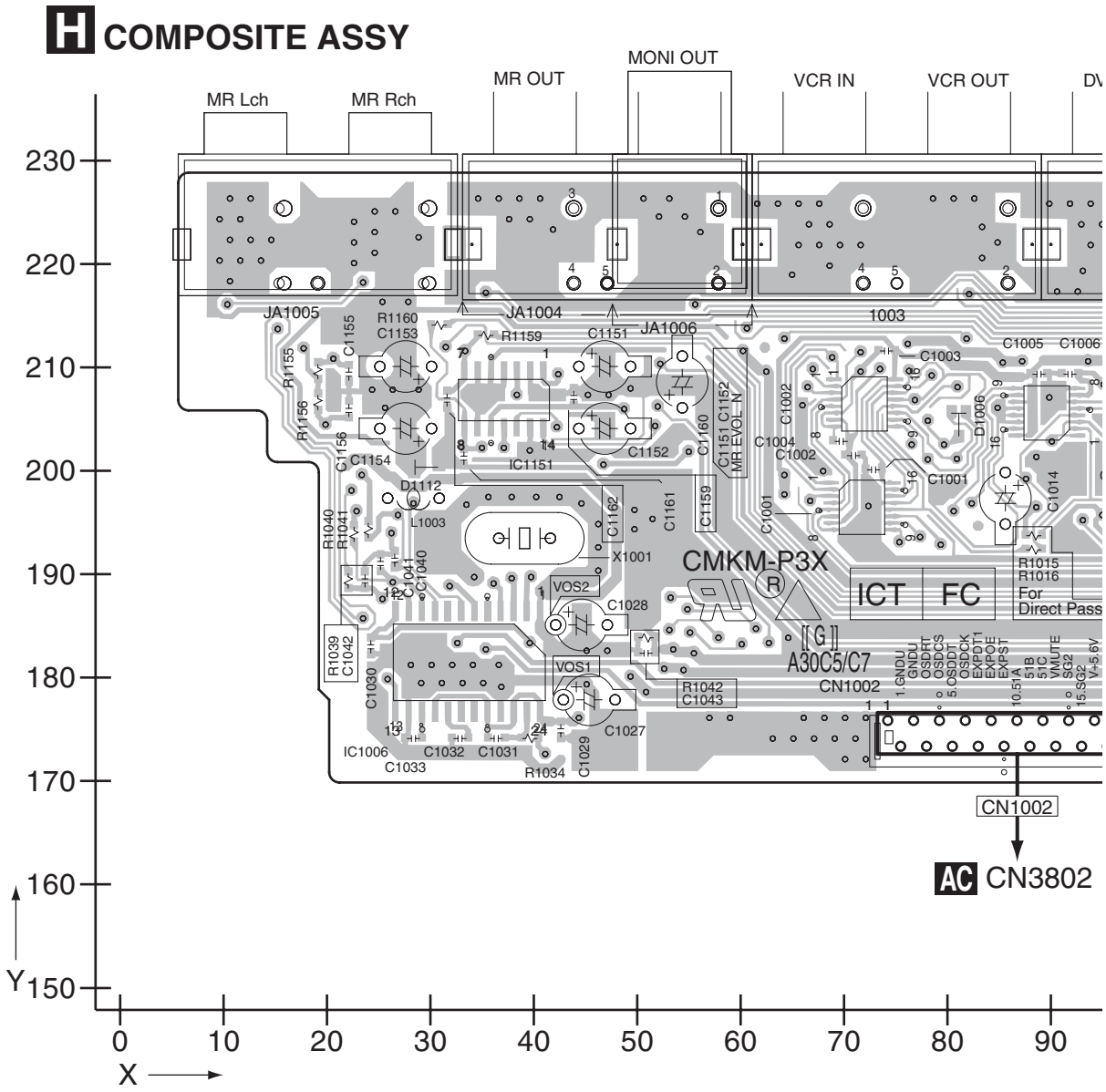
AB IR I/O ASSY

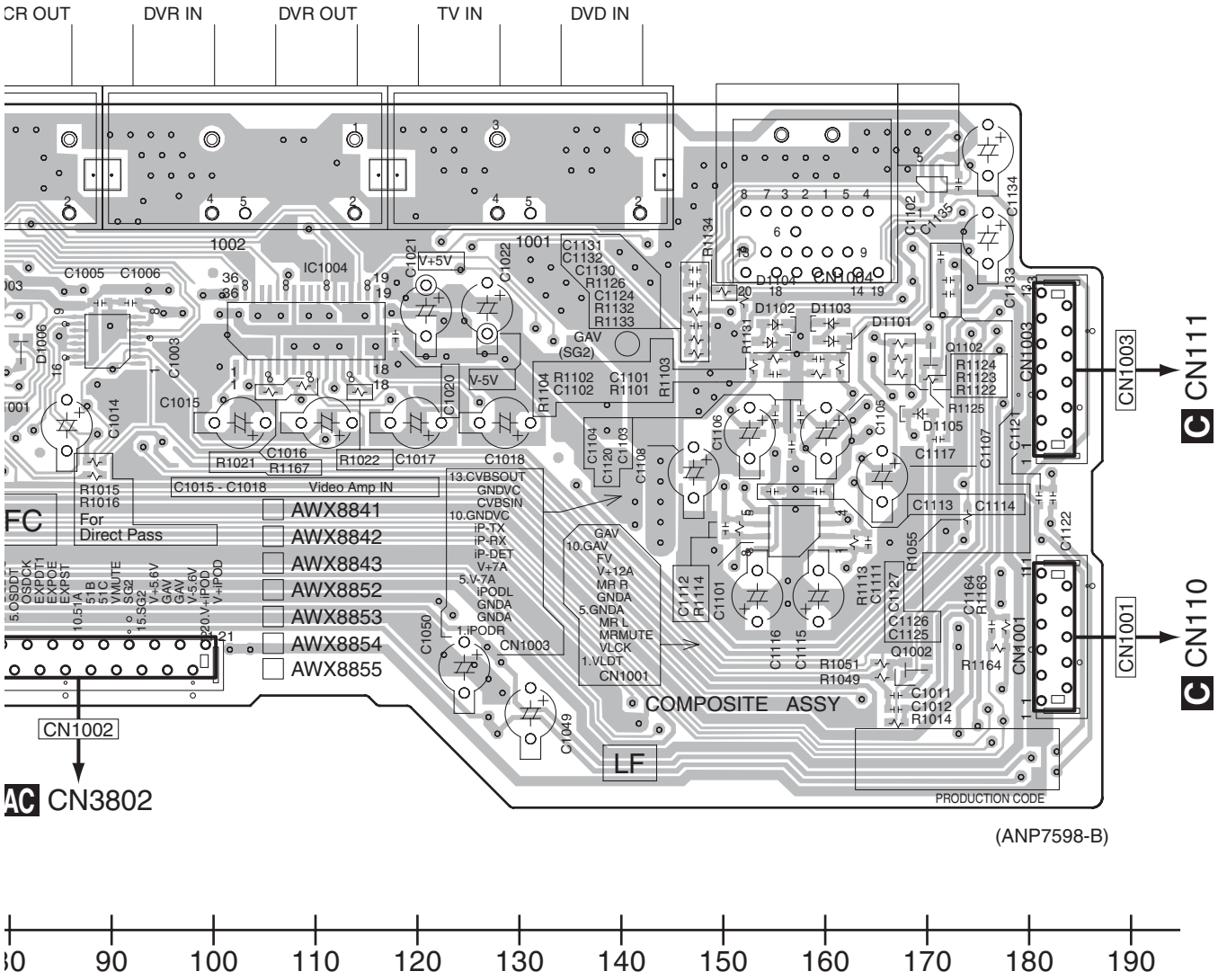
AB

AB

11.7 COMPOSITE ASSY

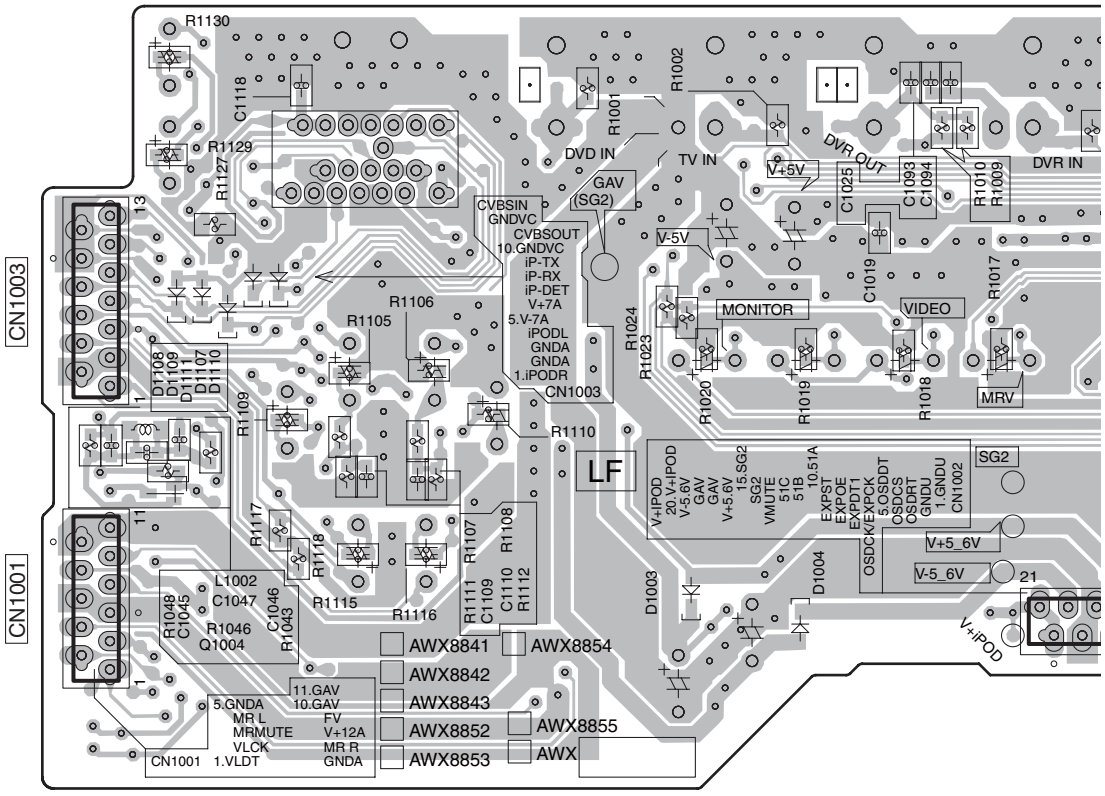
SIDE A



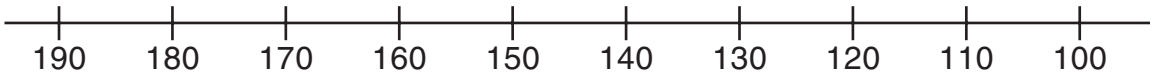

CR OUT
DVR IN
DVR OUT
TV IN
DVD IN
CN1002
CN3802
CN1003
CN111
CN1001
CN110
COMPOSITE ASSY
PRODUCTION CODE
LF
FC
AC
Video Amp IN
C1015 - C1018
For
Direct Pass
AWX8841
AWX8842
AWX8843
AWX8852
AWX8853
AWX8854
AWX8855
(ANP7598-B)

SIDE B

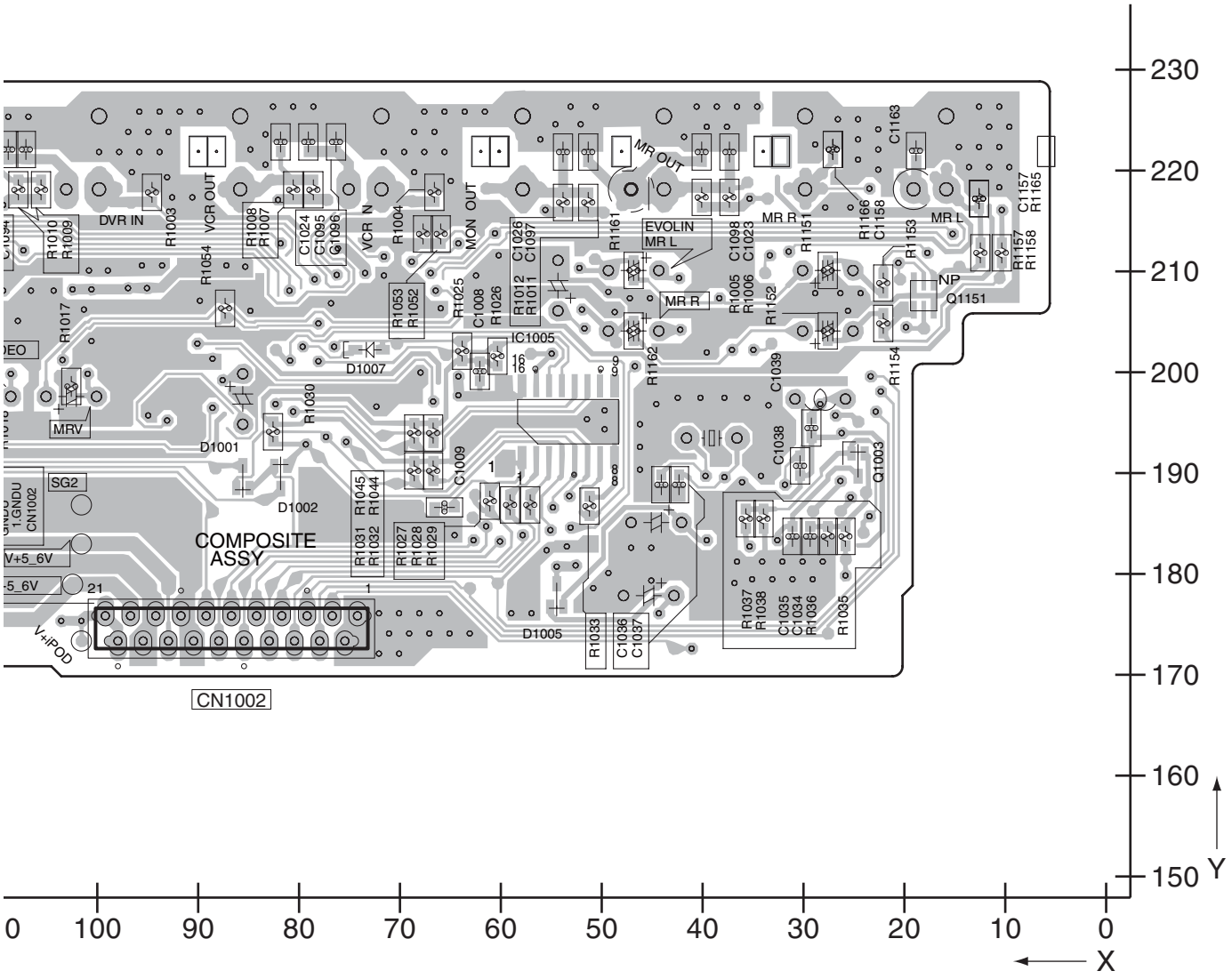
H COMPOSITE ASSY



(ANP7598-B)



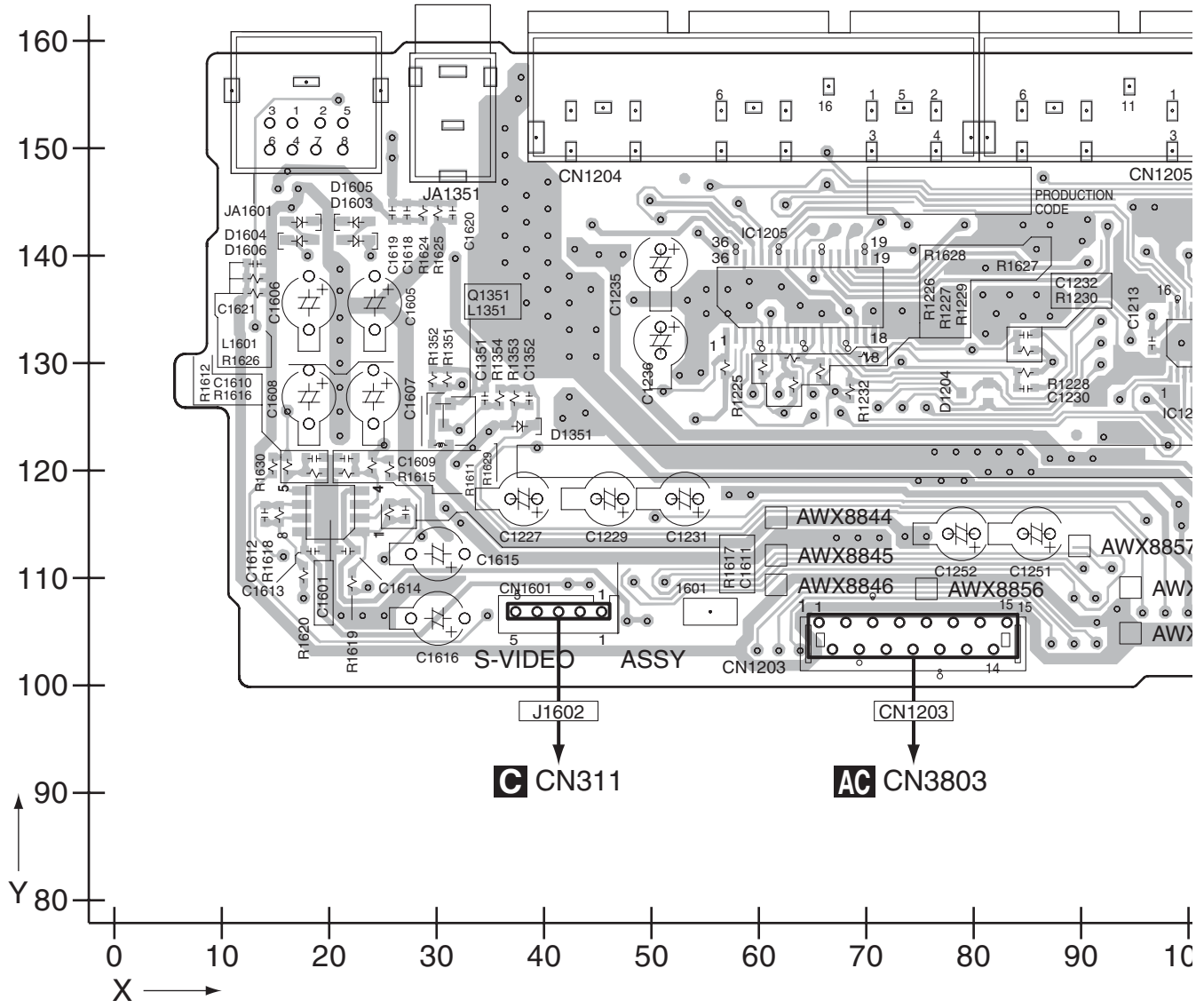
SIDE B

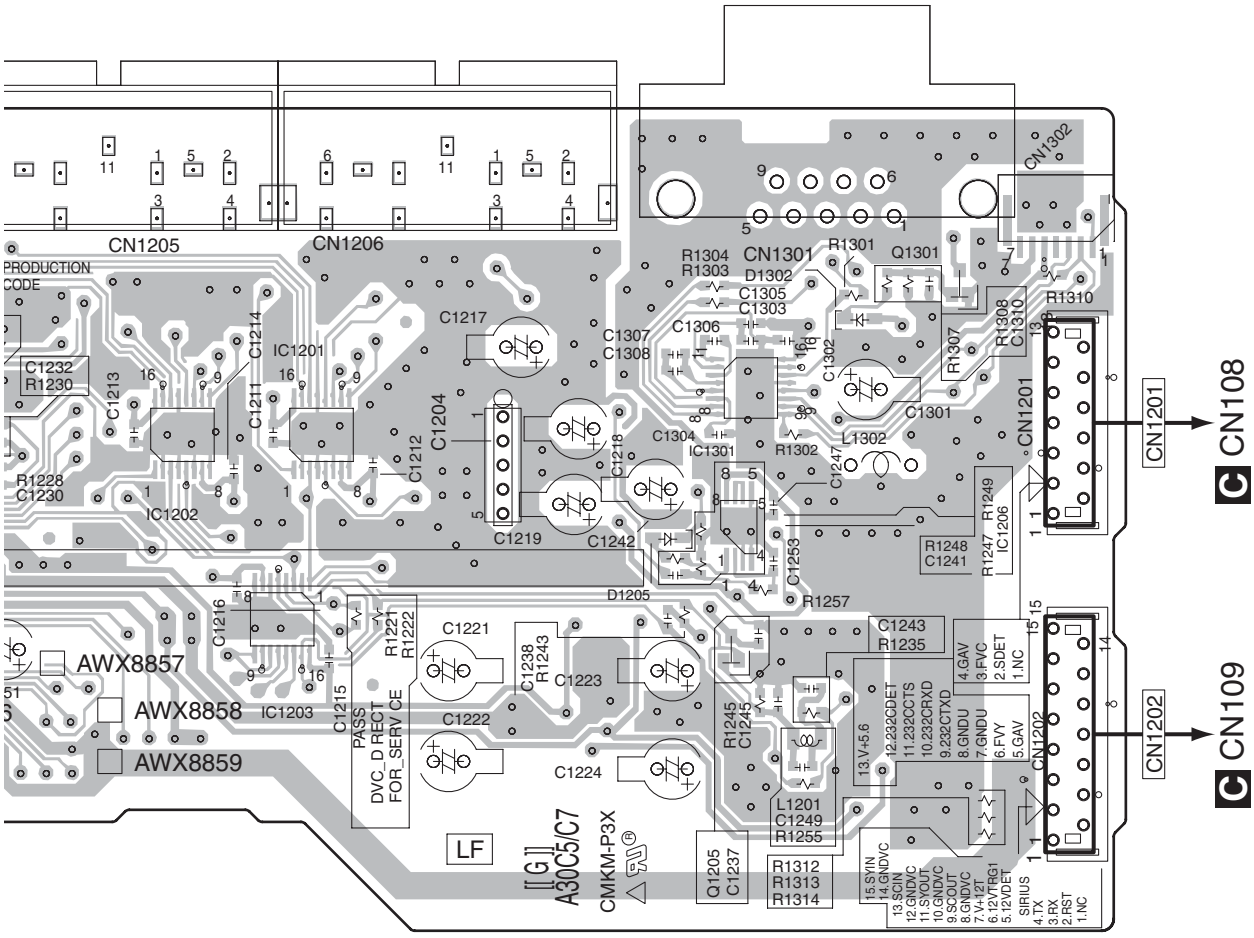

COMPOSITE ASSY
CN1002
DVR IN
VCR OUT
VCR IN
MON OUT
MR OUT
EVOLIN
MR L
MR R
NP
Q1151
IC1005
D1001
D1002
D1005
D1007
MRV
SG2
V+IPOD
R1010 R1009
R1003
R1054
R1008 R1007
C1024 C1095 C1096
R1004
R1053 R1052
R1025
C1008
R1026
C1026 C1097
R1012 R1011
R1161
C1098 C1023
R1005 R1006
R1152
R1151
R1166 C1158
C1163
R1153
R1157 R1158
C1157 R1165
R1017
R1030
R1045 R1044
R1031 R1032
R1027 R1028 R1029
C1009
R1162
C1039
C1038
R1154
Q1003
R1037 R1038
C1035 C1034 R1036
R1035
R1033
C1036 C1037
230
220
210
200
190
180
170
160
150
Y
0 100 90 80 70 60 50 40 30 20 10 0
X

11.8 S-VIDEO ASSY

SIDE A

S-VIDEO ASSY



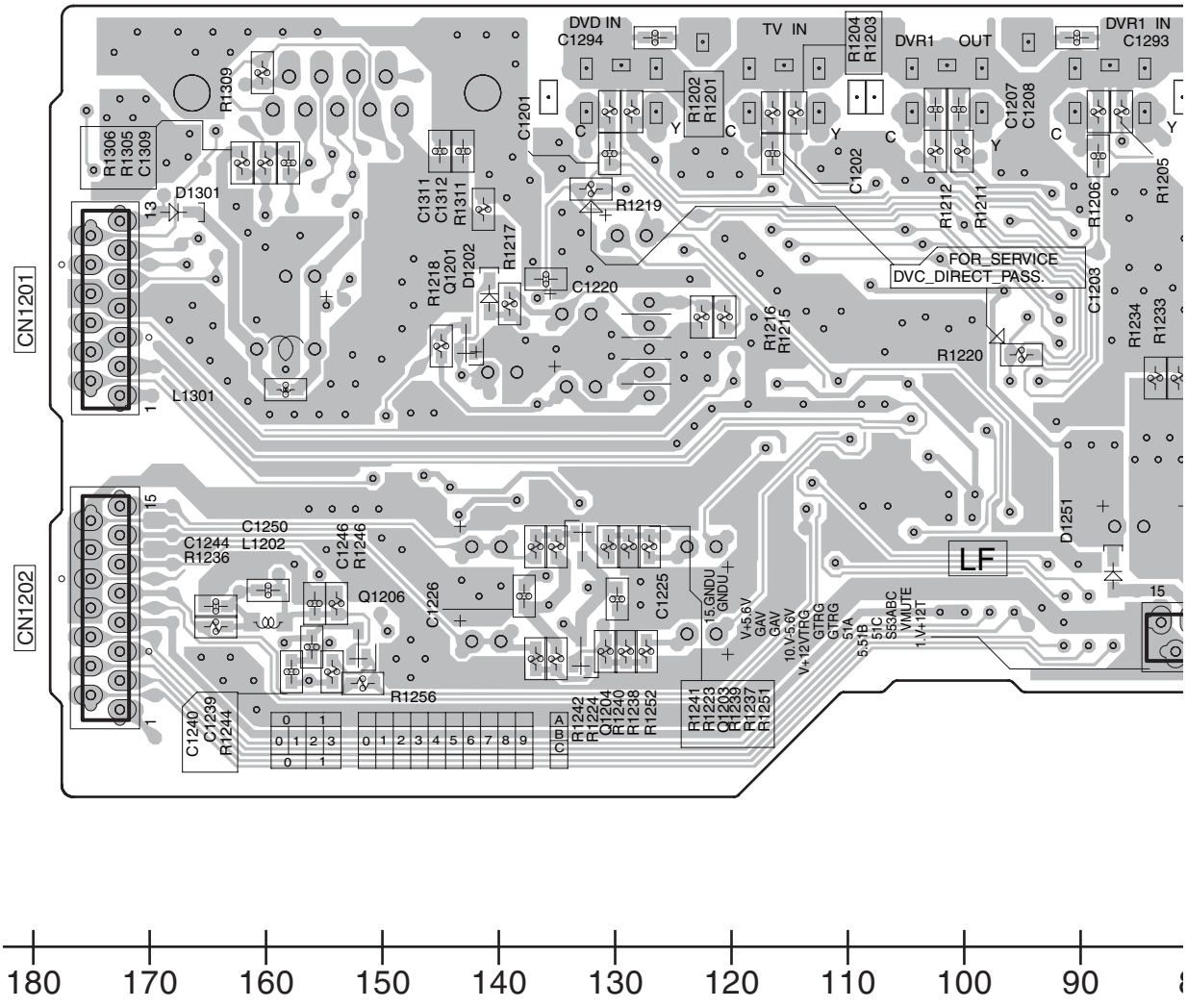


(ANP7598-B)

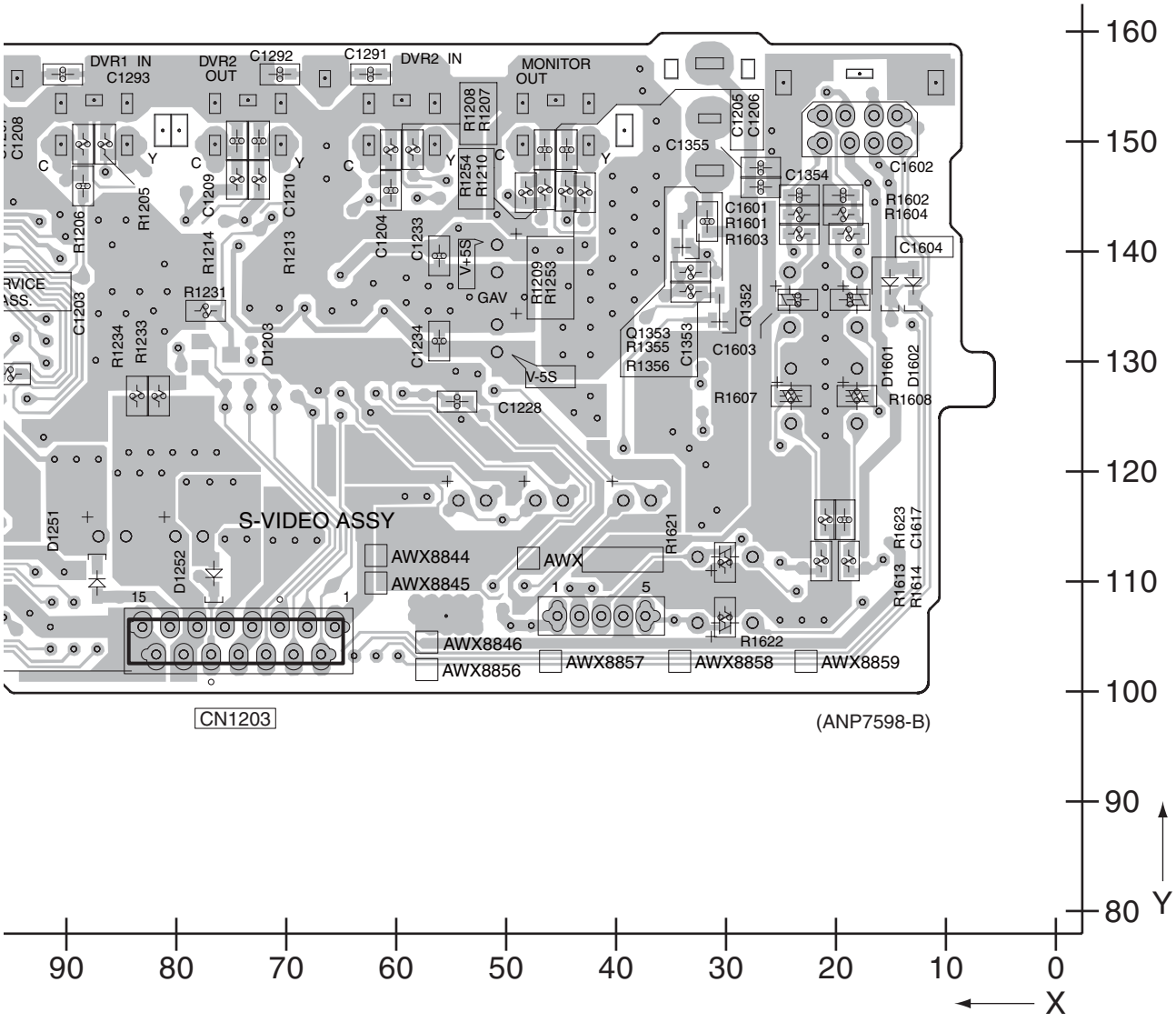
90 100 110 120 130 140 150 160 170 180

SIDE B

S-VIDEO ASSY



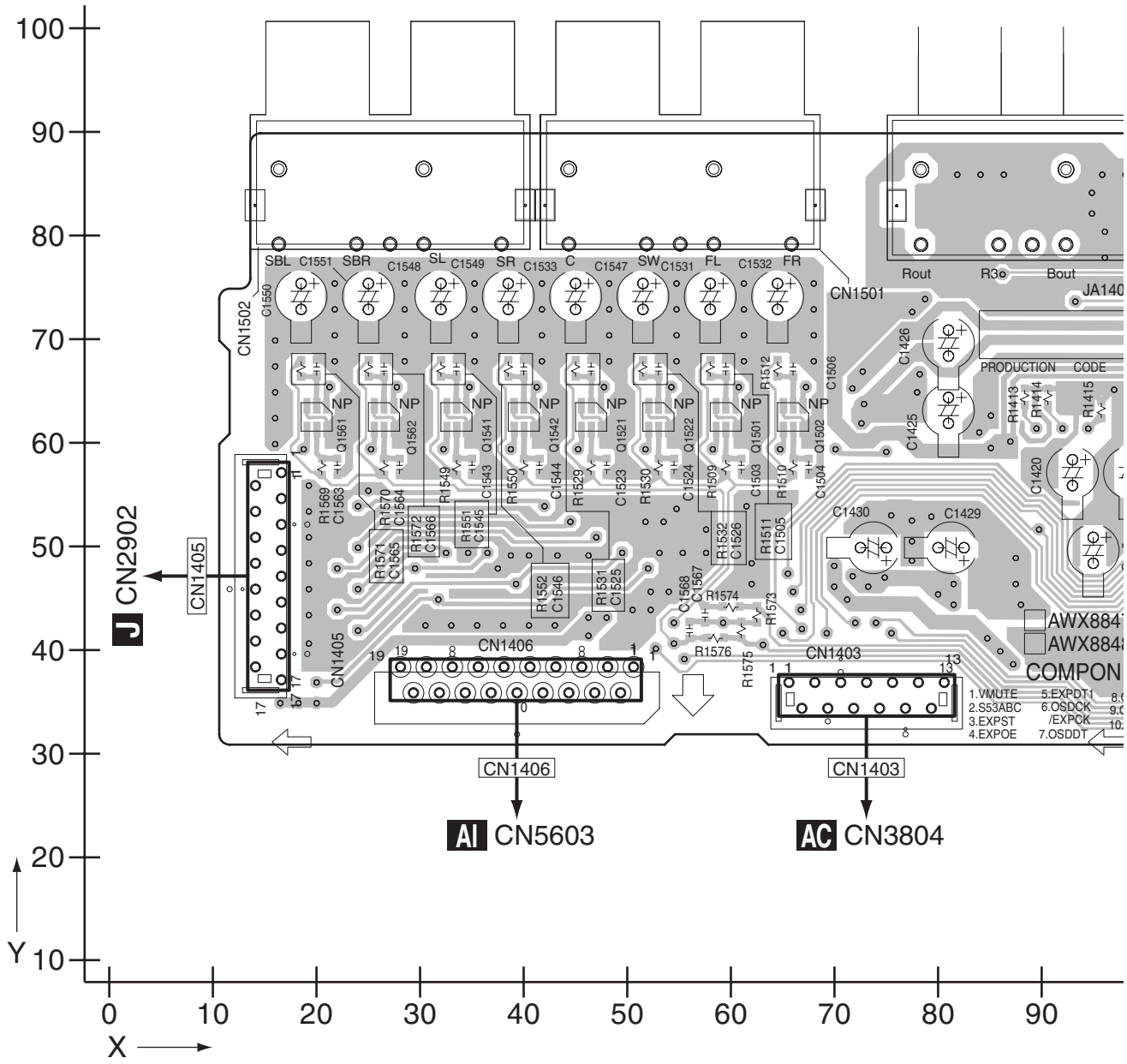
SIDE B


DVR1 IN
C1293
DVR2 OUT
C1292
C1291
DVR2 IN
MONITOR OUT
C1208
R1208
R1207
R1254
R1210
C1205
C1206
C1355
C1354
C1602
R1602
R1604
C1604
C1601
R1601
R1603
R1206
R1205
C1209
C1210
R1214
R1213
C1204
C1233
V+5S
R1209
R1253
GAV
C1352
C1203
R1231
D1203
C1234
Q1353
R1355
R1356
C1353
C1603
V-5S
C1228
R1607
D1601
D1602
R1608
D1251
D1252
S-VIDEO ASSY
AWX8844
AWX8845
AWX
R1621
R1623
C1617
R1613
R1614
AWX8846
AWX8856
AWX8857
AWX8858
AWX8859
R1622
CN1203
(ANP7598-B)
160
150
140
130
120
110
100
90
80
Y
90 80 70 60 50 40 30 20 10 0
X

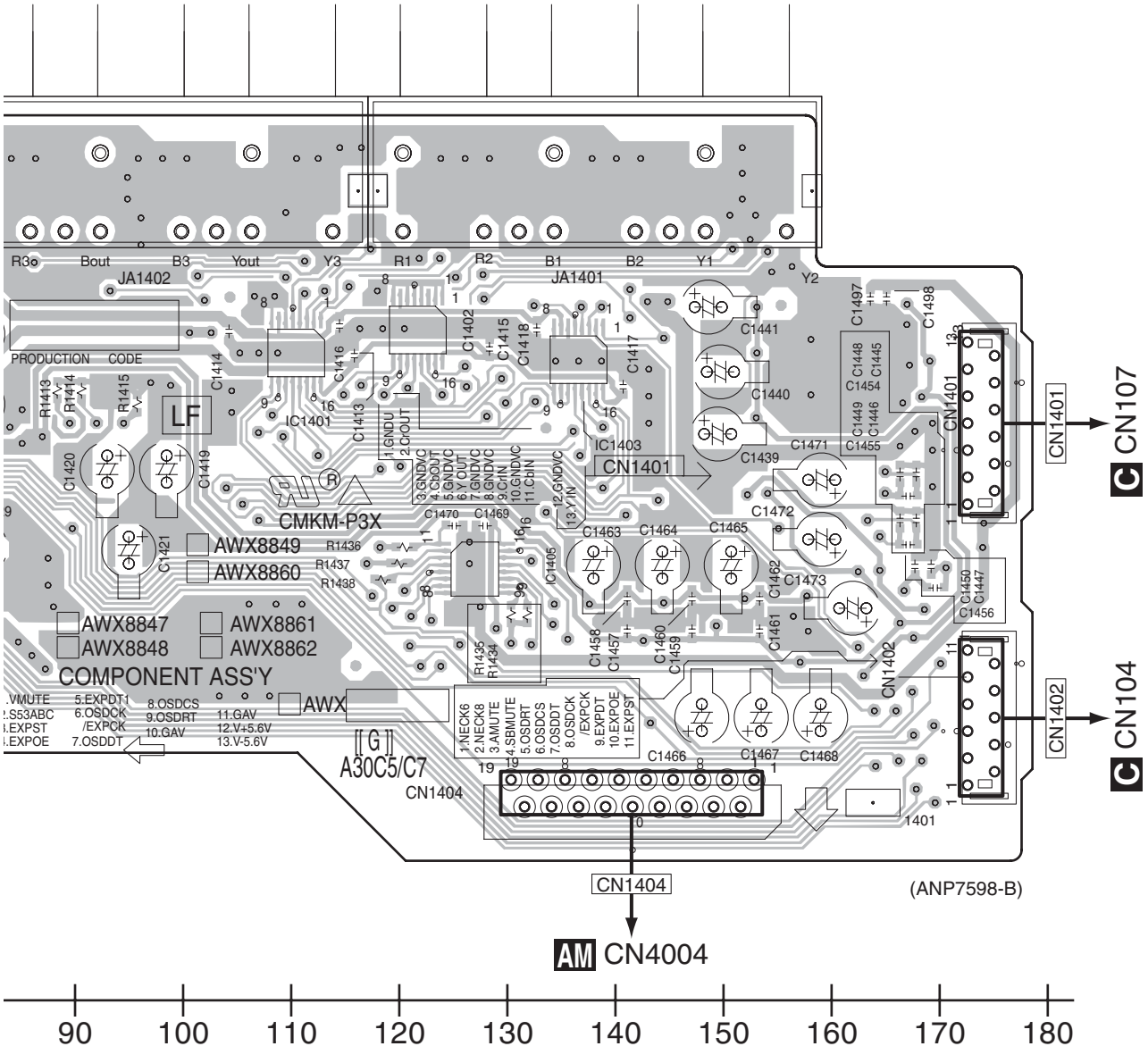
11.9 COMPONENT ASSY

SIDE A

K COMPONENT ASSY

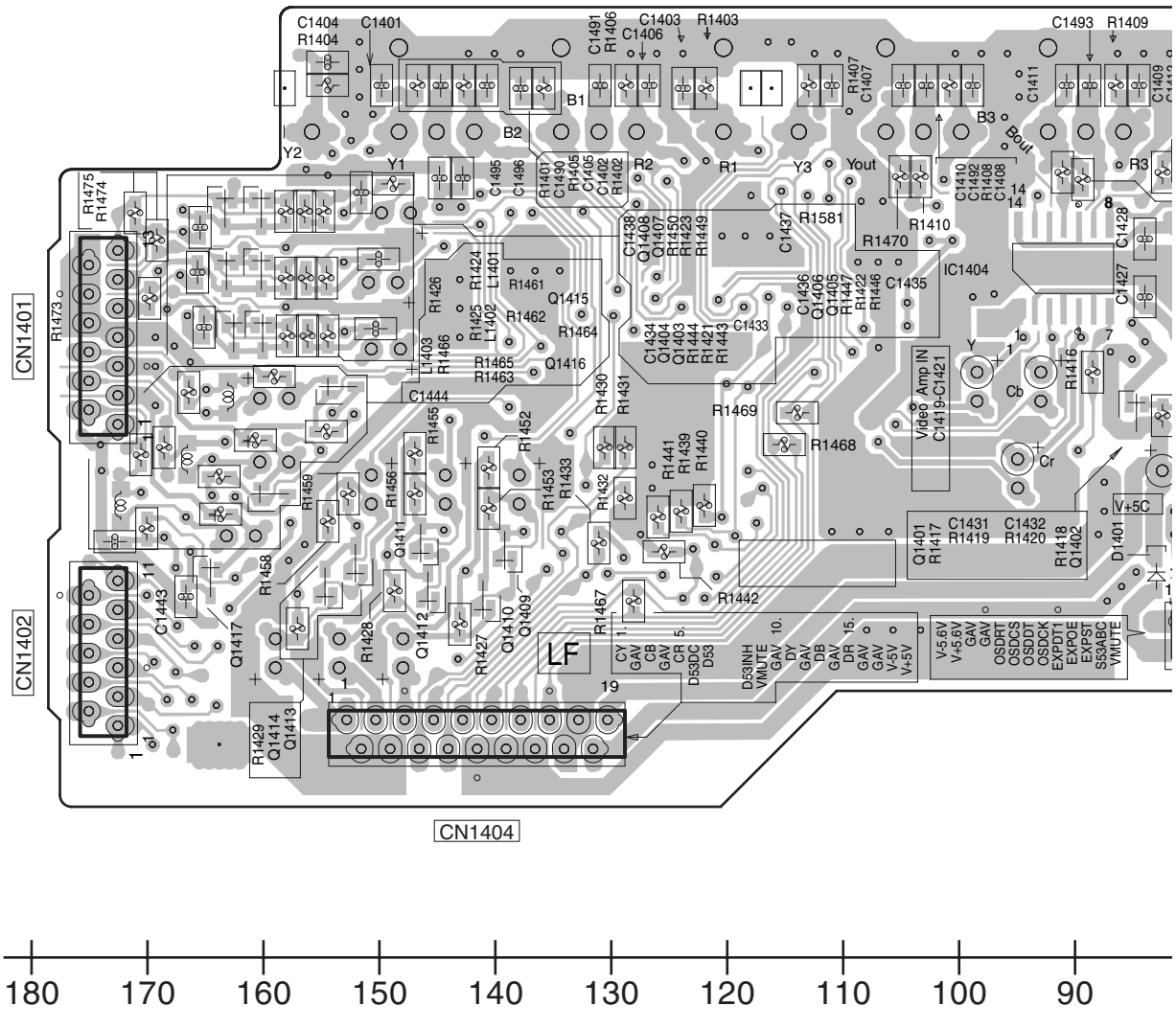


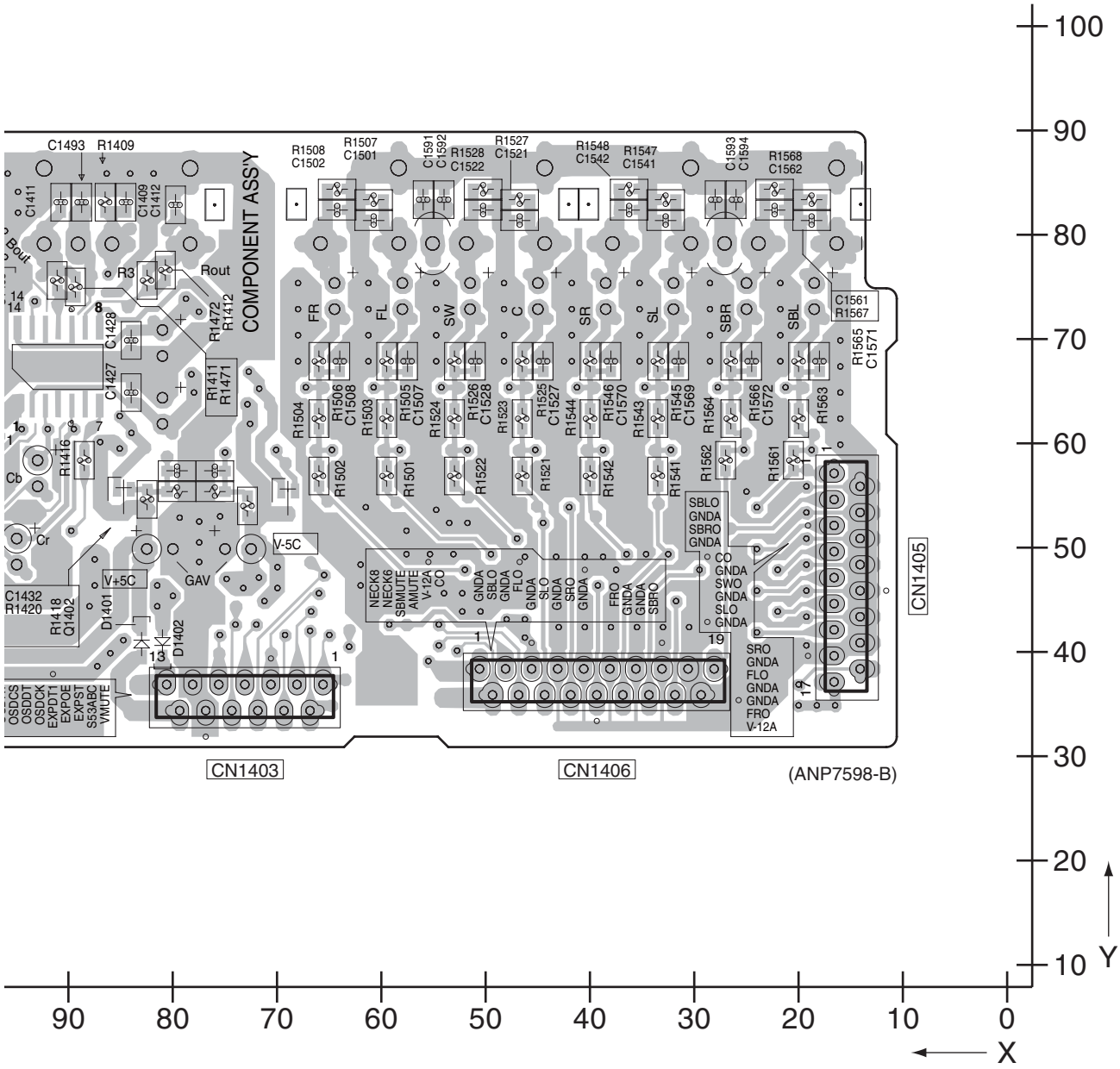
SIDE A


JA1402
JA1401
PRODUCTION CODE
LF
IC1401
IC1403
CN1401
CMKM-P3X
AWX8849
AWX8860
AWX8847
AWX8848
AWX8861
AWX8862
COMPONENT ASS'Y
AWX
[[G]]
A30C5/C7
CN1404
CN1402
CN1401
C CN107
C CN104
(ANP7598-B)
AM CN4004
90 100 110 120 130 140 150 160 170 180

SIDE B

K COMPONENT ASSY

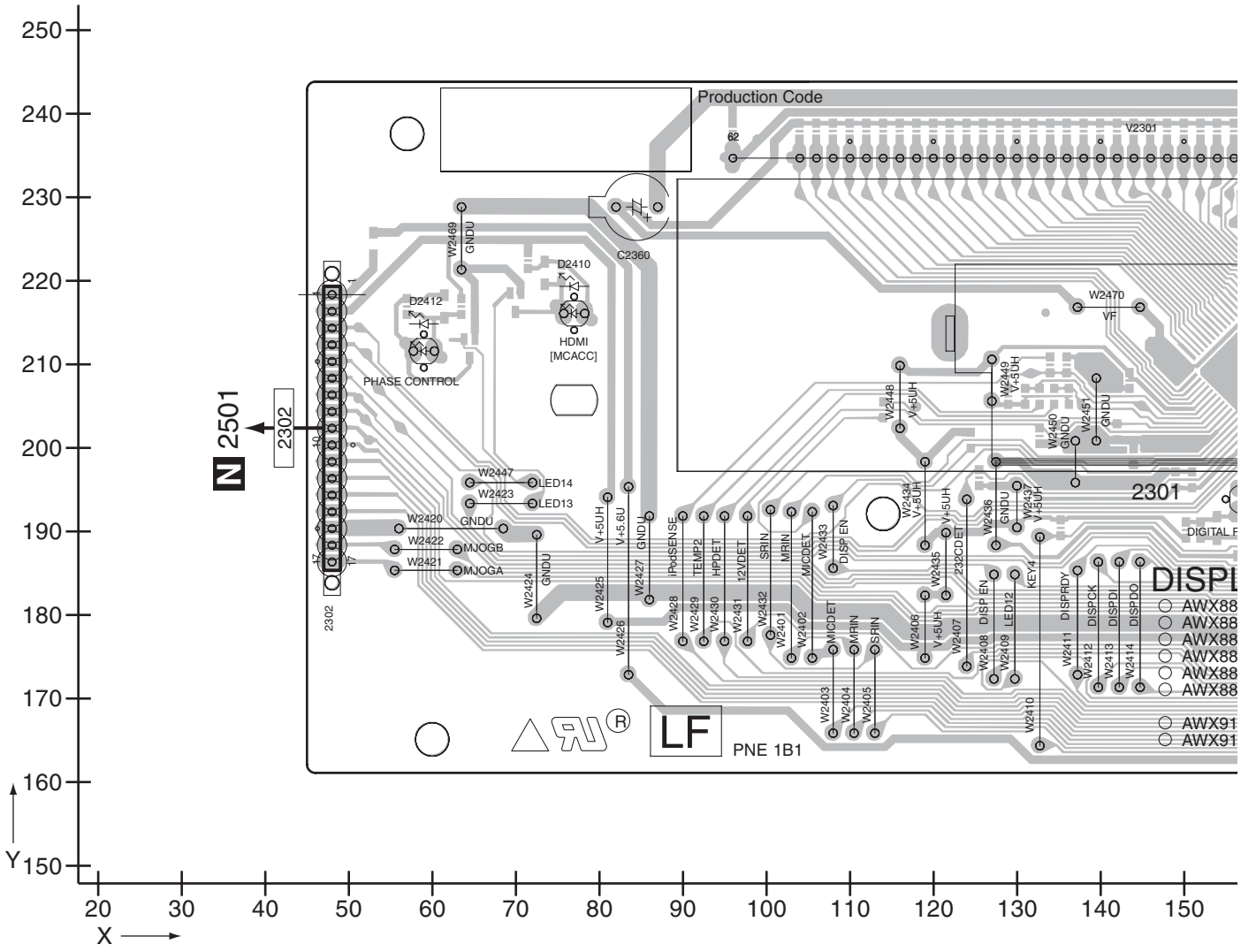



COMPONENT ASS'Y
CN1403
CN1406
CN1405
(ANP7598-B)
X
Y

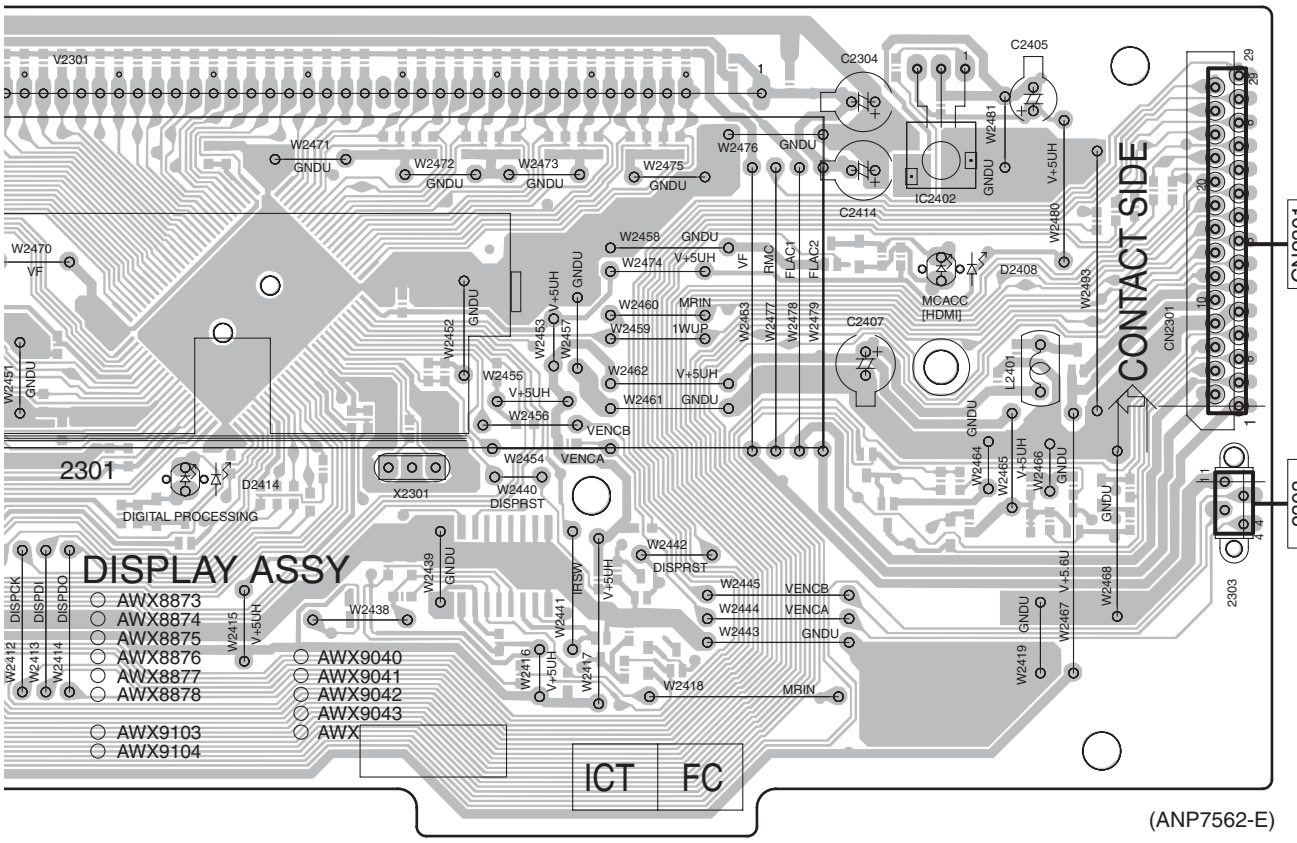
11.10 DISPLAY ASSY

SIDE A

L DISPLAY ASSY

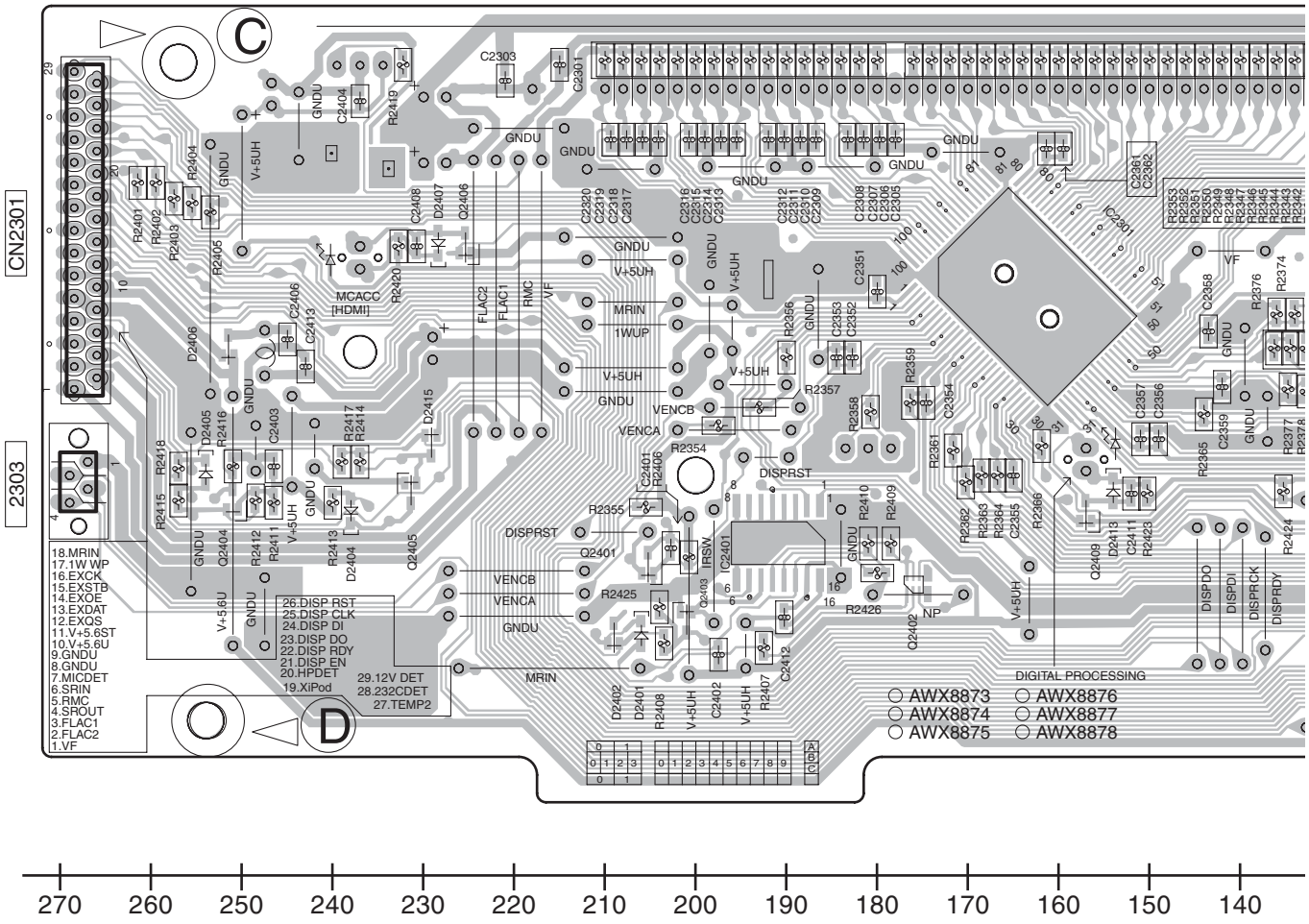


SIDE A

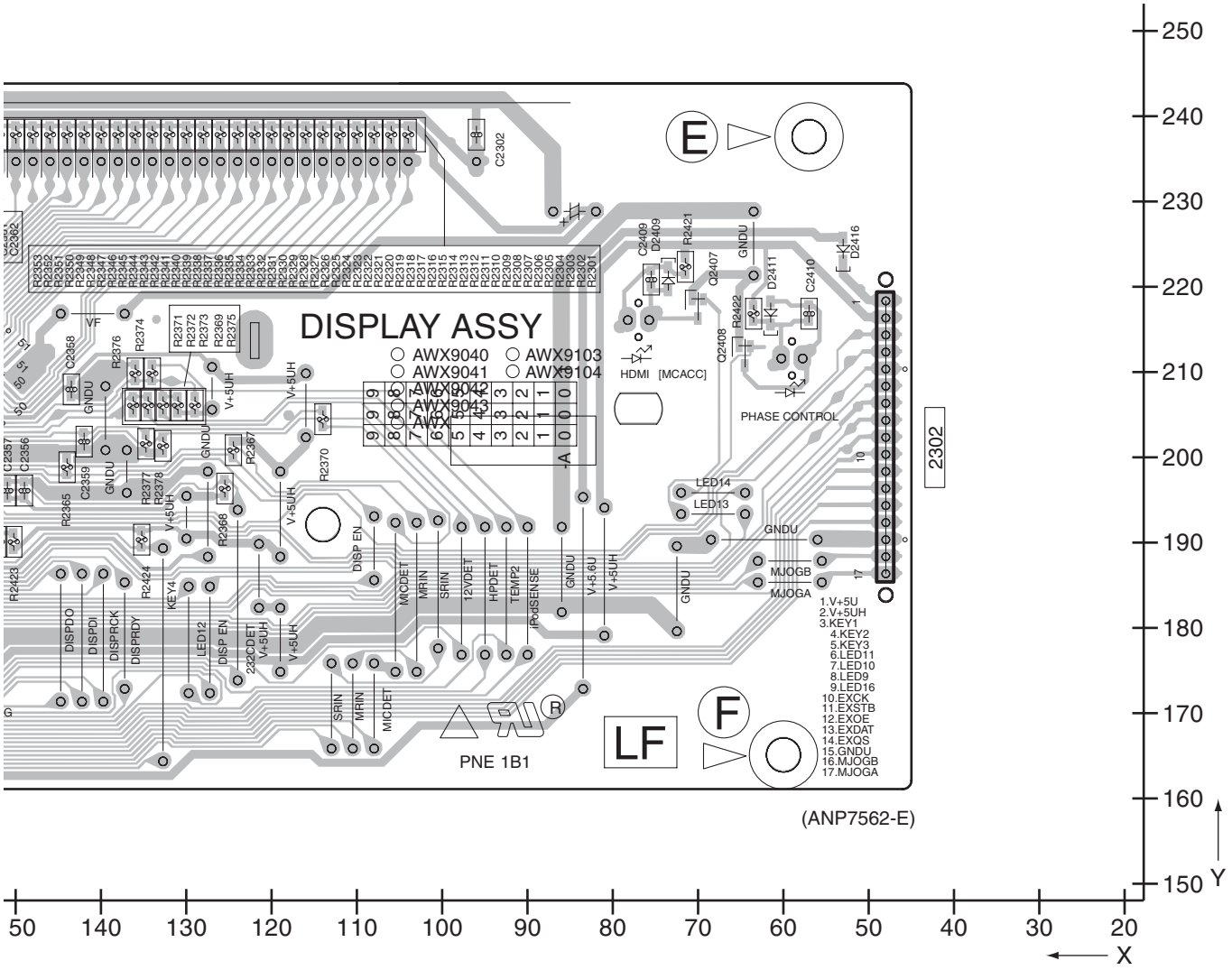

DISPLAY ASSY
AWX8873
AWX8874
AWX8875
AWX8876
AWX8877
AWX8878
AWX9103
AWX9104
AWX9040
AWX9041
AWX9042
AWX9043
AWX
2301
DIGITAL PROCESSING
D2414
X2301
IC2402
C2304
C2405
C2414
C2407
D2408
MCACC
[HDMI]
L2401
CONTACT SIDE
CN2301
CN2301
CN101
2303
2303
2451
ICT
FC
(ANP7562-E)

SIDE B

L DISPLAY ASSY

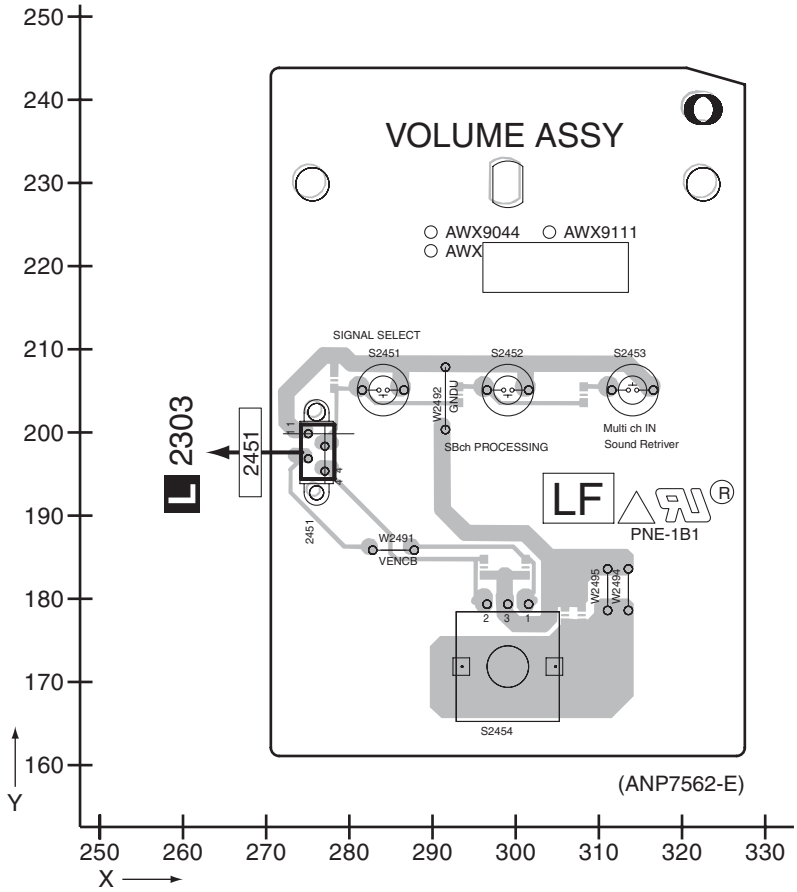


SIDE B


DISPLAY ASSY
AWX9040
AWX9041
AWX9042
AWX9043
AWX9103
AWX9104
PNE 1B1
LF
E
F
HDMI [MCACC]
PHASE CONTROL
2302
(ANP7562-E)
1.V+5U
2.V+5UH
3.KEY1
4.KEY2
5.KEY3
6.LED11
7.LED10
8.LED9
9.LED16
10.EXCK
11.EXSTB
12.EXOE
13.EXDAT
14.EXOS
15.GNDU
16.MJOGB
17.MJOGA
250
240
230
220
210
200
190
180
170
160
150
Y
50 140 130 120 110 100 90 80 70 60 50 40 30 20
X

11.11 VOLUME ASSY

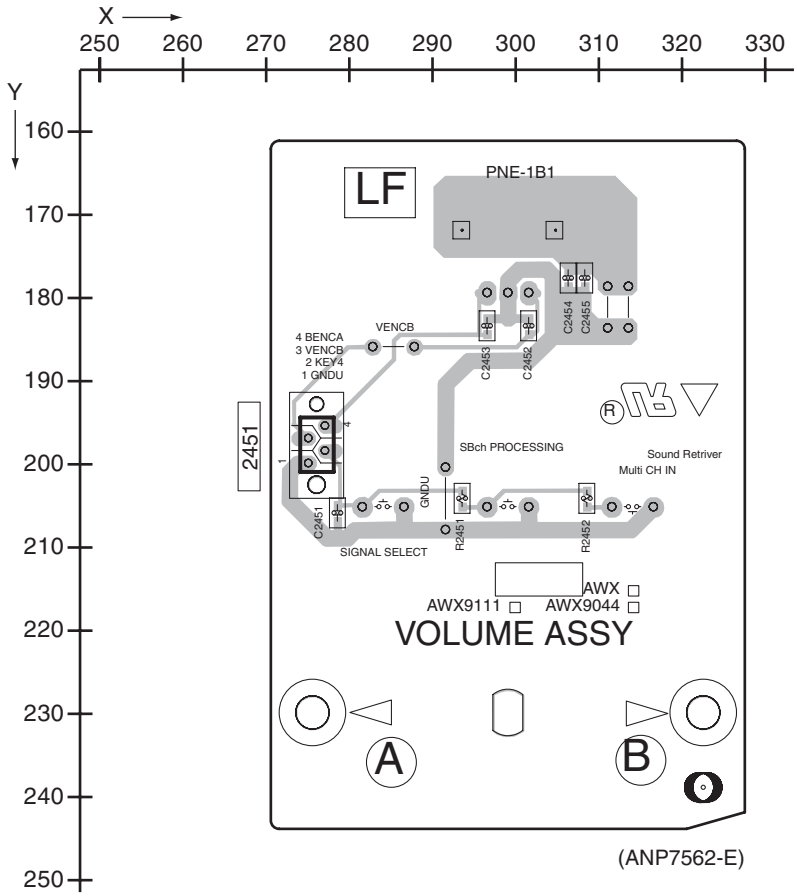
SIDE A



SIDE A

M VOLUME ASSY

SIDE B

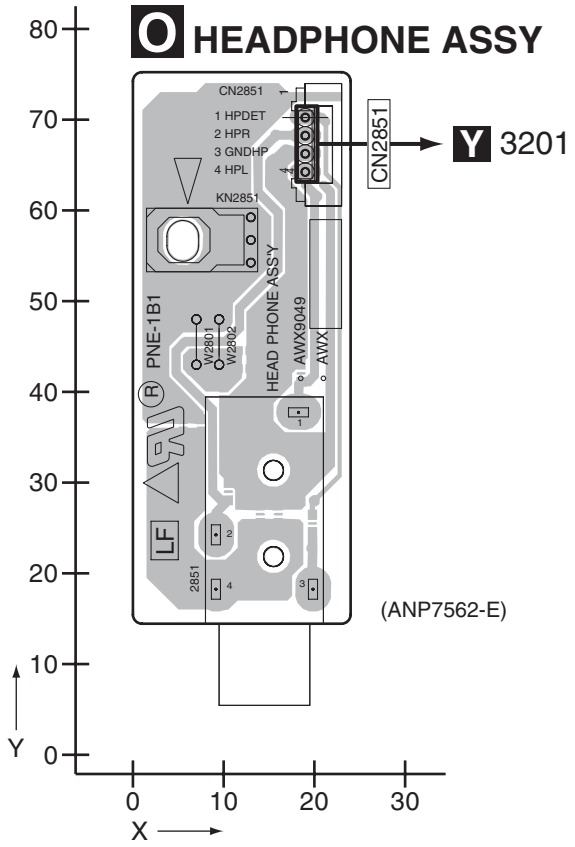


SIDE B

M VOLUME ASSY

11.12 HEADPHONE ASSY

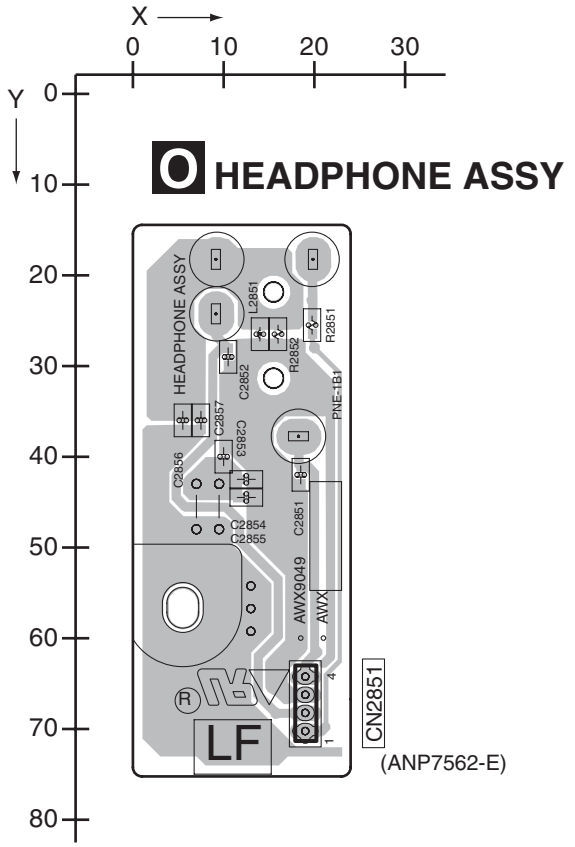
SIDE A



SIDE A

SIDE B

SIDE B



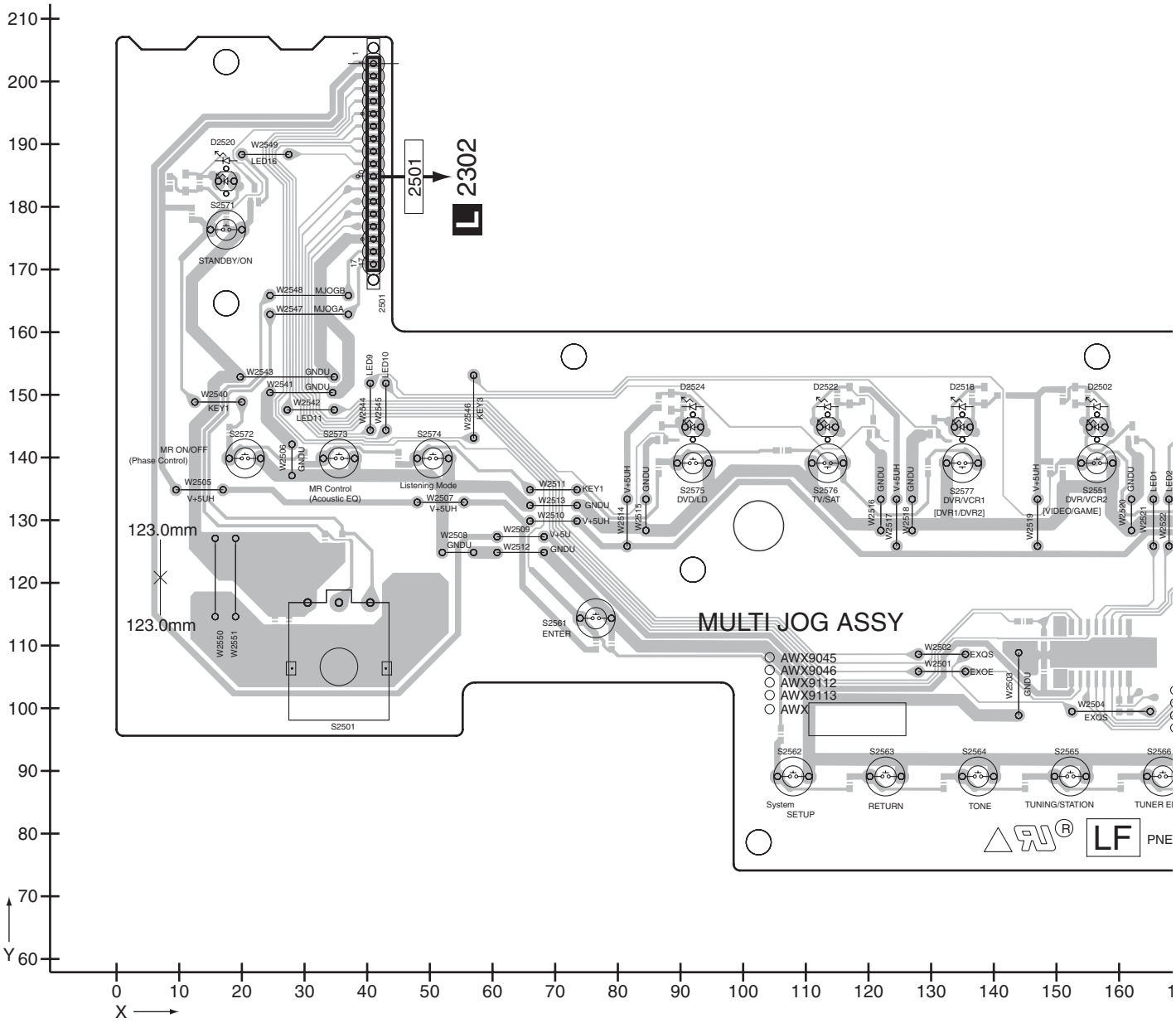
O

O

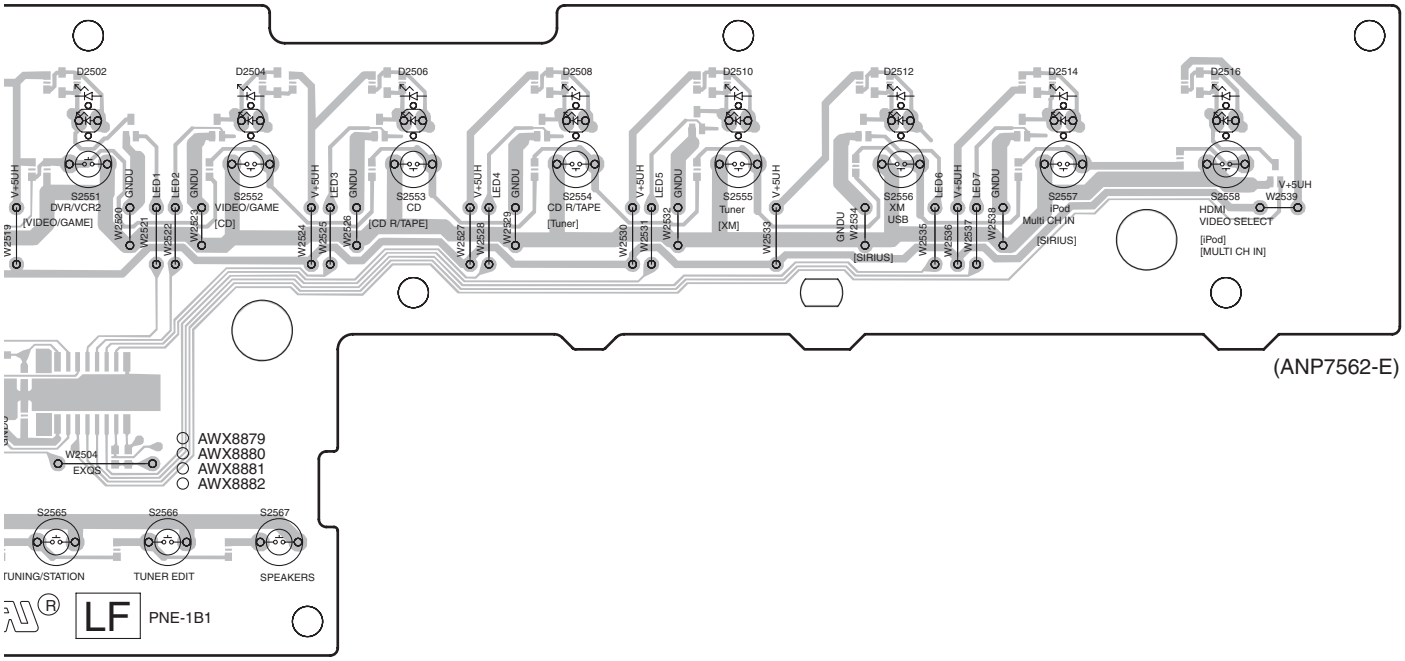
11.13 MULTI JOG ASSY

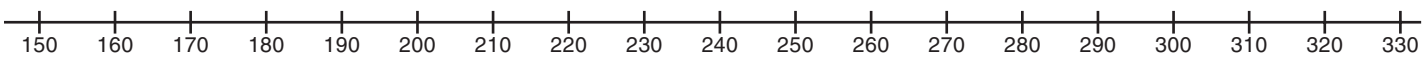
SIDE A

N MULTI JOG ASSY



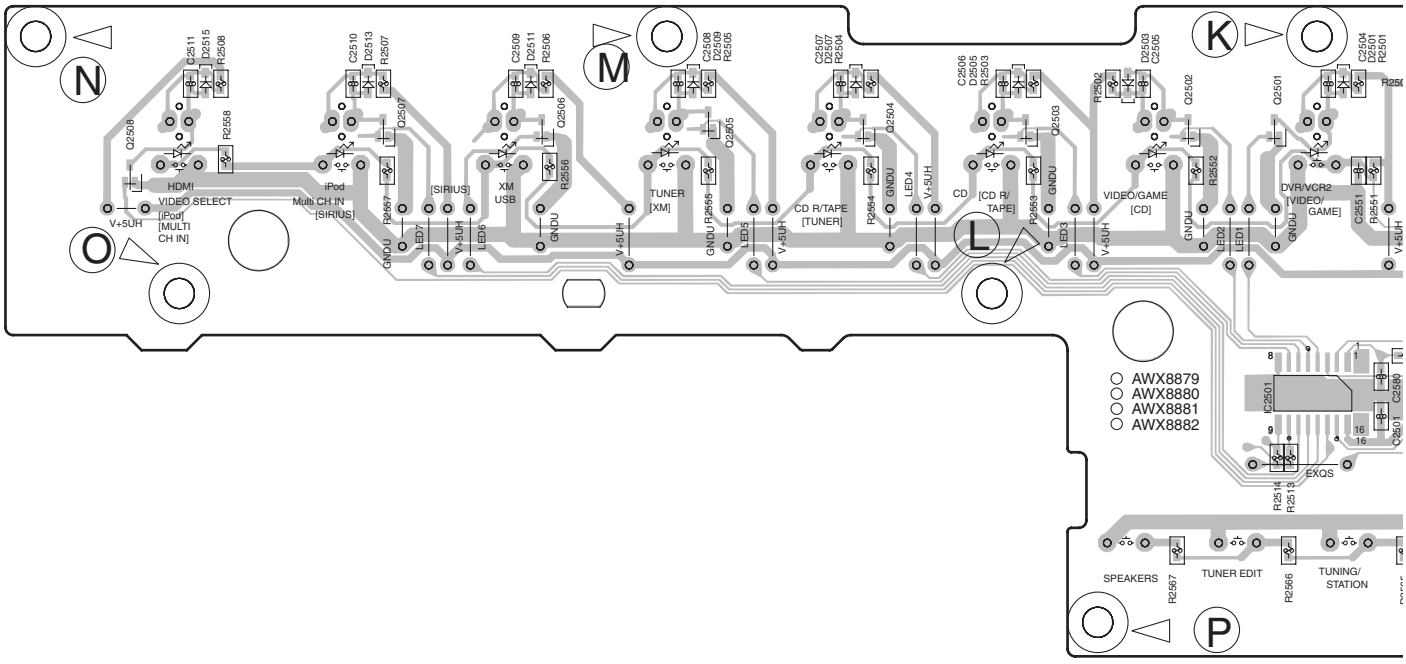
SIDE A


D2502
D2504
D2506
D2508
D2510
D2512
D2514
D2516
S2551
DVR/VCR2
[VIDEO/GAME]
S2552
VIDEO/GAME
[CD]
S2553
CD
[CD R/TAPE]
S2554
CD R/TAPE
[Tuner]
S2555
Tuner
[XM]
S2556
XM
USB
[SIRIUS]
S2557
iPod
Multi CH IN
[SIRIUS]
S2558
HDMI
VIDEO SELECT
[iPod]
[MULTI CH IN]
V+5UH
GNDU
LED1
LED2
LED3
LED4
LED5
LED6
LED7
W2519
W2520
W2521
W2522
W2523
W2524
W2525
W2526
W2527
W2528
W2529
W2530
W2531
W2532
W2533
W2534
W2535
W2536
W2537
W2538
W2539
(ANP7562-E)
W2504
EXQS
AWX8879
AWX8880
AWX8881
AWX8882
S2565
S2566
S2567
TUNING/STATION
TUNER EDIT
SPEAKERS
LF
PNE-1B1


150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330

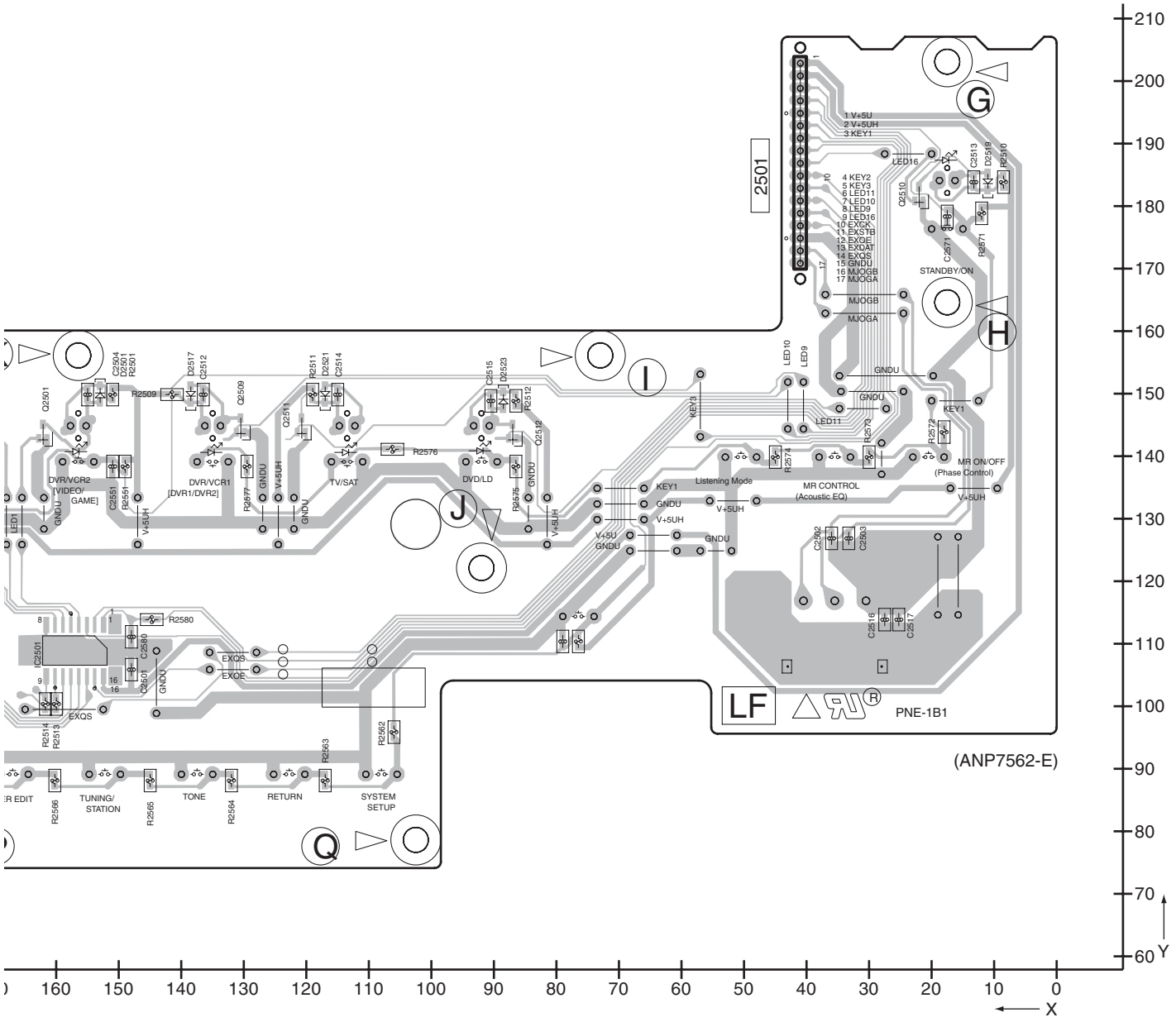
SIDE B

N MULTI JOG ASSY



330 320 310 300 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150

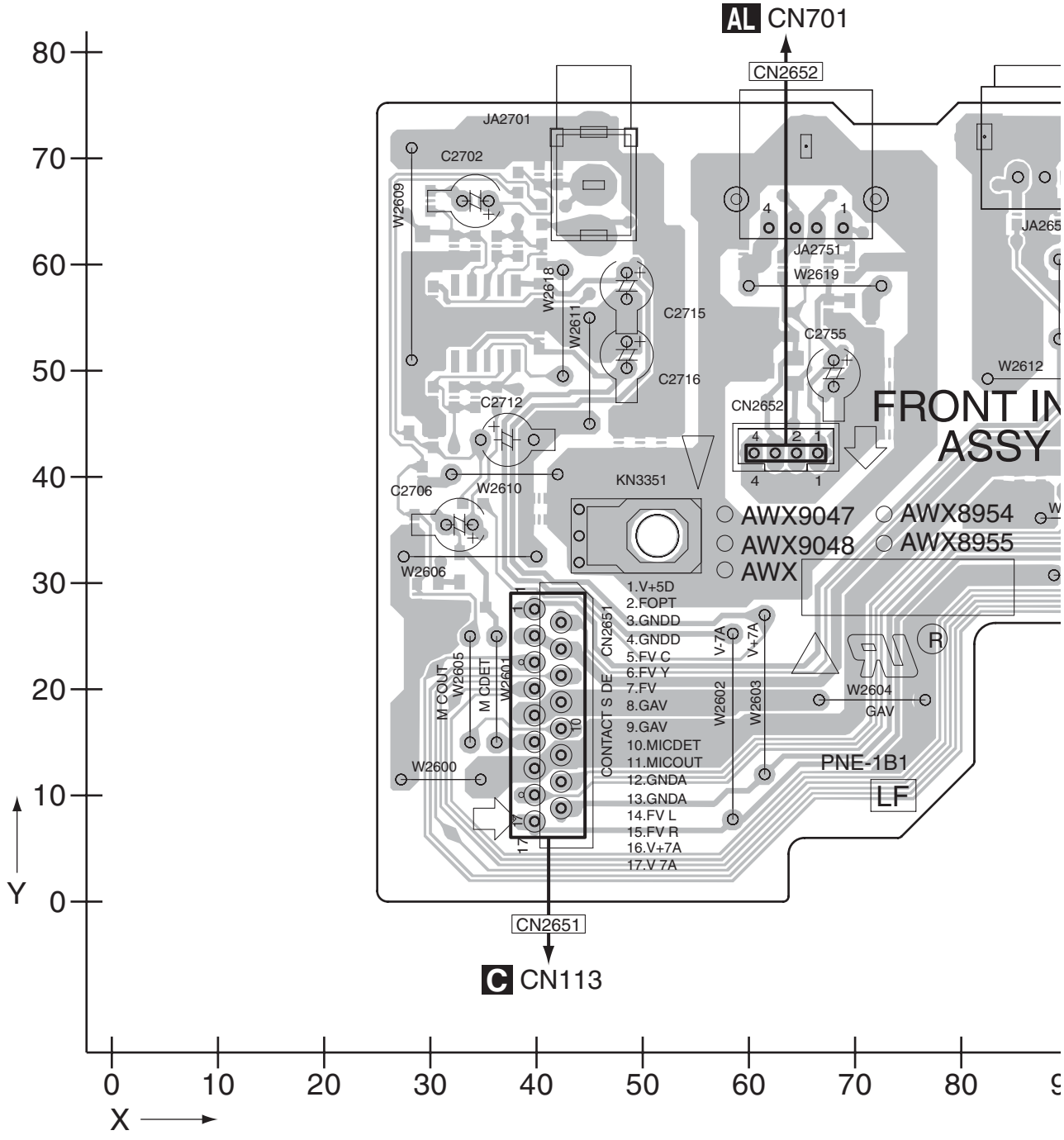
SIDE B


2501
1 V+5U
2 V+5UH
3 KEY1
4 KEY2
5 KEY3
6 LED11
7 LED10
8 LED9
9 LED16
10 EXOK
11 EXSTB
12 EXOE
13 EXDAT
14 EXQS
15 GNDU
16 MJOGB
17 MJOGA
LED16
STANDBY/ON
MJOGB
MJOGA
LED10
LED9
GNDU
LED11
KEY1
KEY3
MR ON/OFF
(Phase Control)
MR CONTROL
(Acoustic EQ)
Listening Mode
V+5UH
DVR/VCR2
[VIDEO/
GAME]
DVR/VCR1
[DVR1/DVR2]
TV/SAT
DVD/LD
EXQS
EXOE
IC2501
R2580
C2580
C2501
R2514
R2513
R2562
R2563
TUNING/
STATION
TONE
RETURN
SYSTEM
SETUP
R2566
R2565
R2564
LF
PNE-1B1
(ANP7562-E)
G
H
I
J
Q
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
Y
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
X

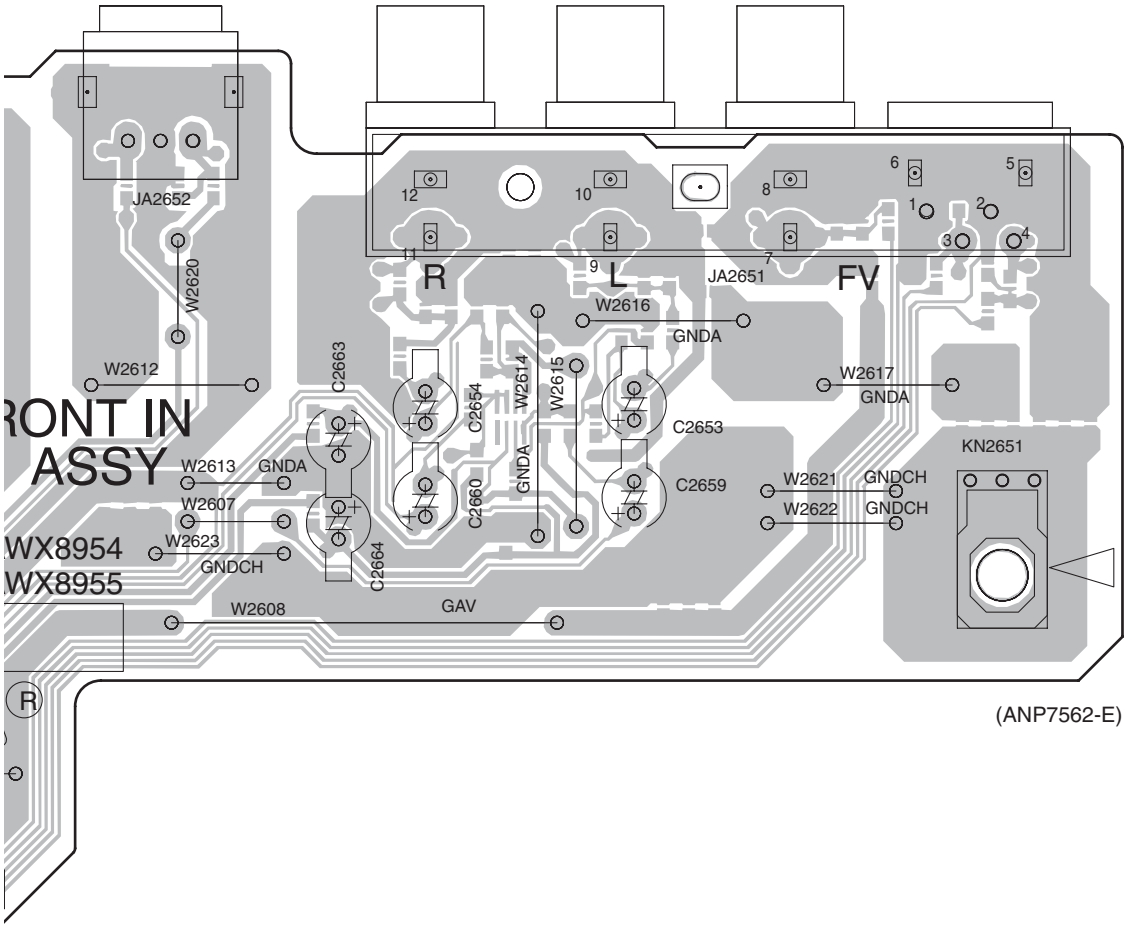
11.14 FRONT-IN ASSY

SIDE A

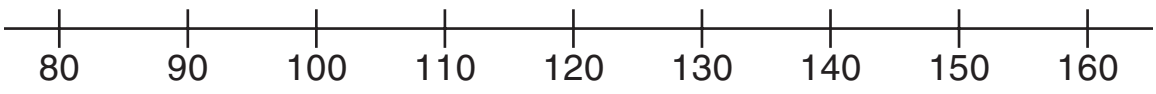
P FRONT-IN ASSY



SIDE A

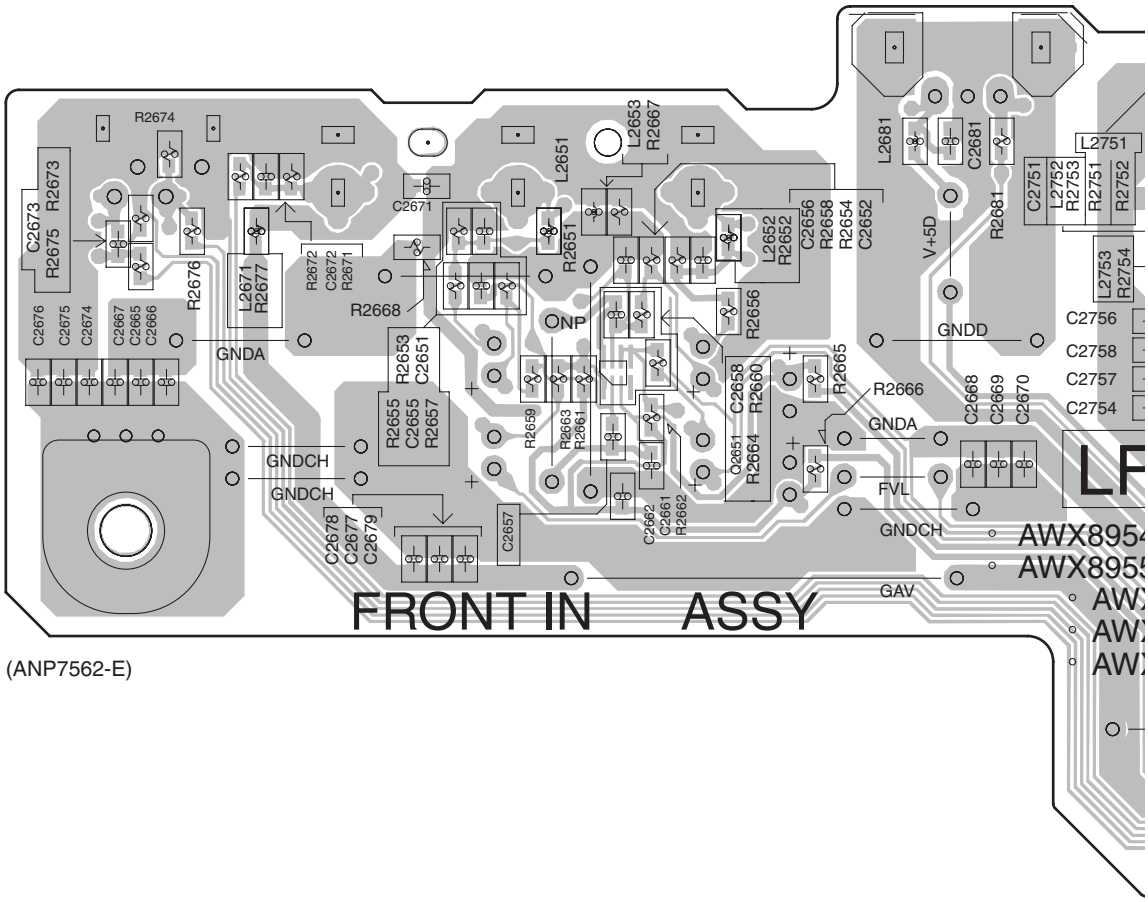


(ANP7562-E)

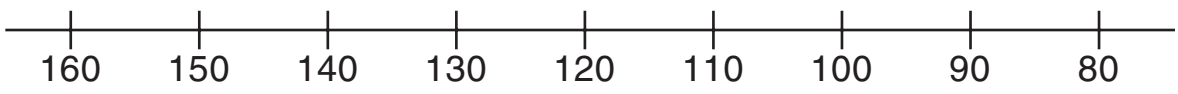


SIDE B

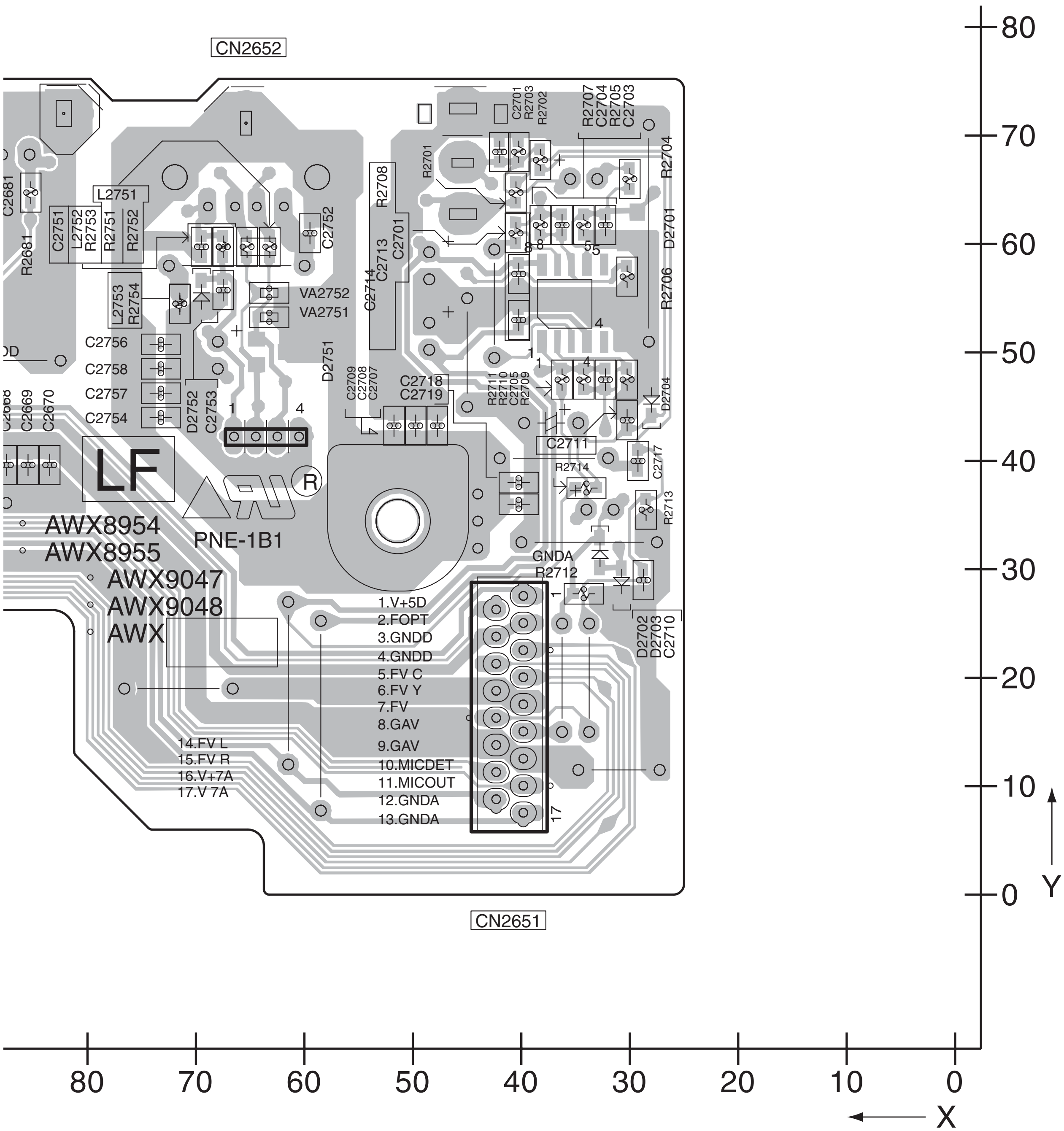
P FRONT-IN ASSY



(ANP7562-E)



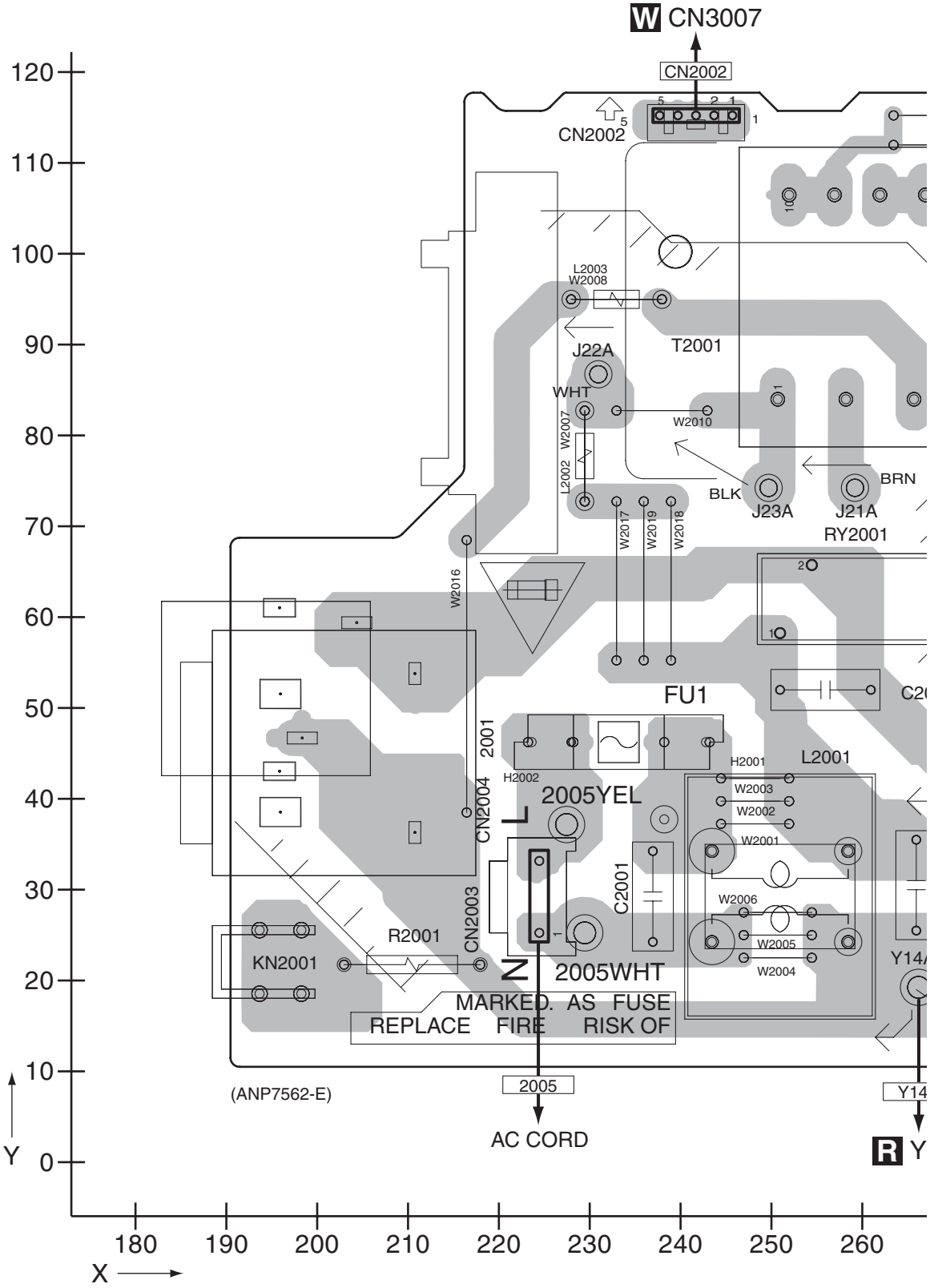
SIDE B


CN2652
CN2651
LF
PNE-1B1
AWX8954
AWX8955
AWX9047
AWX9048
AWX
1.V+5D
2.FOPT
3.GNDD
4.GNDD
5.FV C
6.FV Y
7.FV
8.GAV
9.GAV
10.MICDET
11.MICOUT
12.GNDA
13.GNDA
14.FV L
15.FV R
16.V+7A
17.V 7A
GNDA
R2712
R2714
C2711
C2718
C2719
C2756
C2758
C2757
C2754
D2751
D2752
C2753
VA2752
VA2751
L2751
L2753
R2754
C2751
L2752
R2753
R2751
R2752
C2752
R2708
C2714
C2713
C2701
R2701
R2707
C2704
R2705
C2703
R2704
D2701
R2706
D2704
C2717
R2713
D2702
D2703
C2710
X
Y

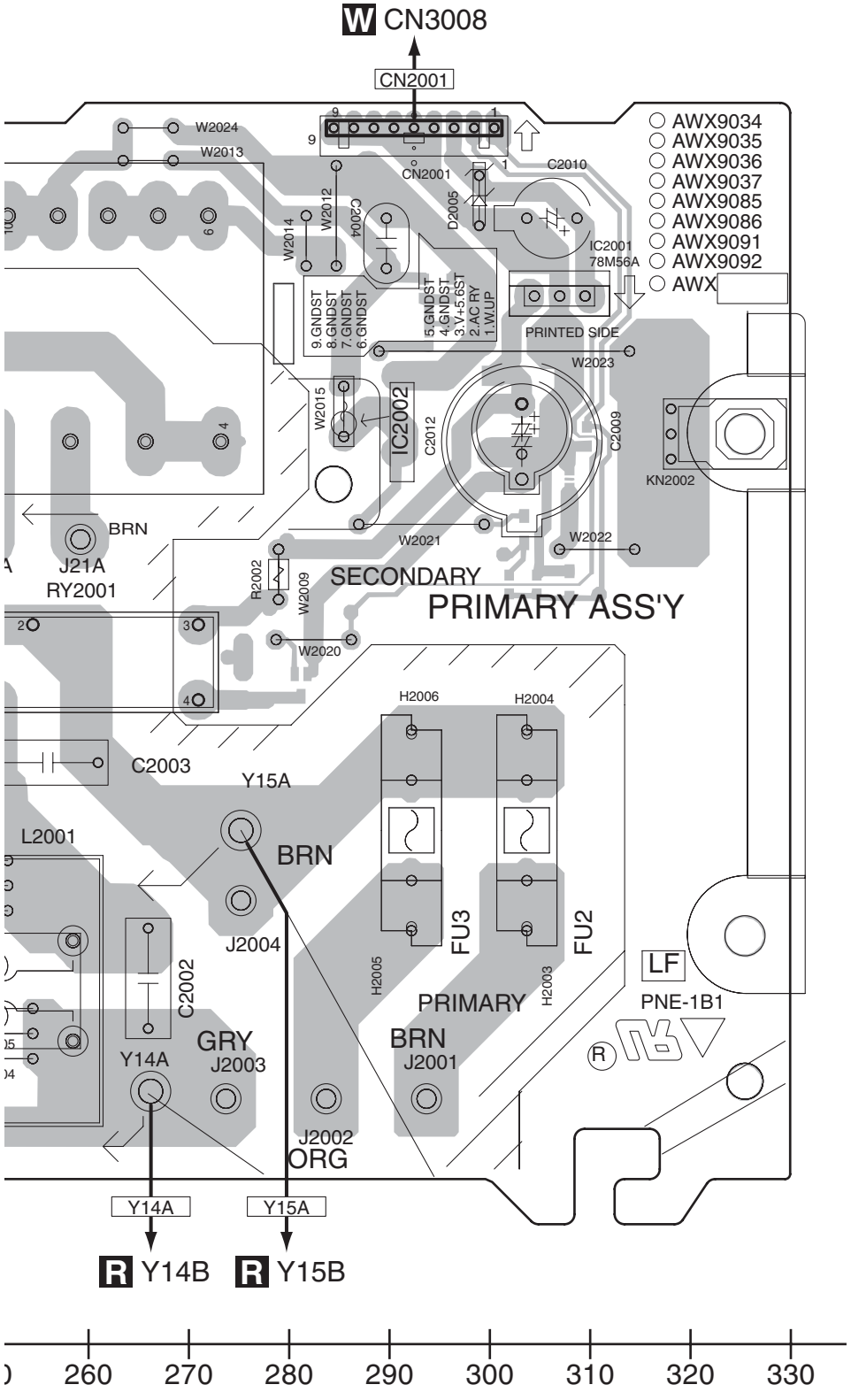
11.15 PRIMARY ASSY

SIDE A

Q PRIMARY ASSY

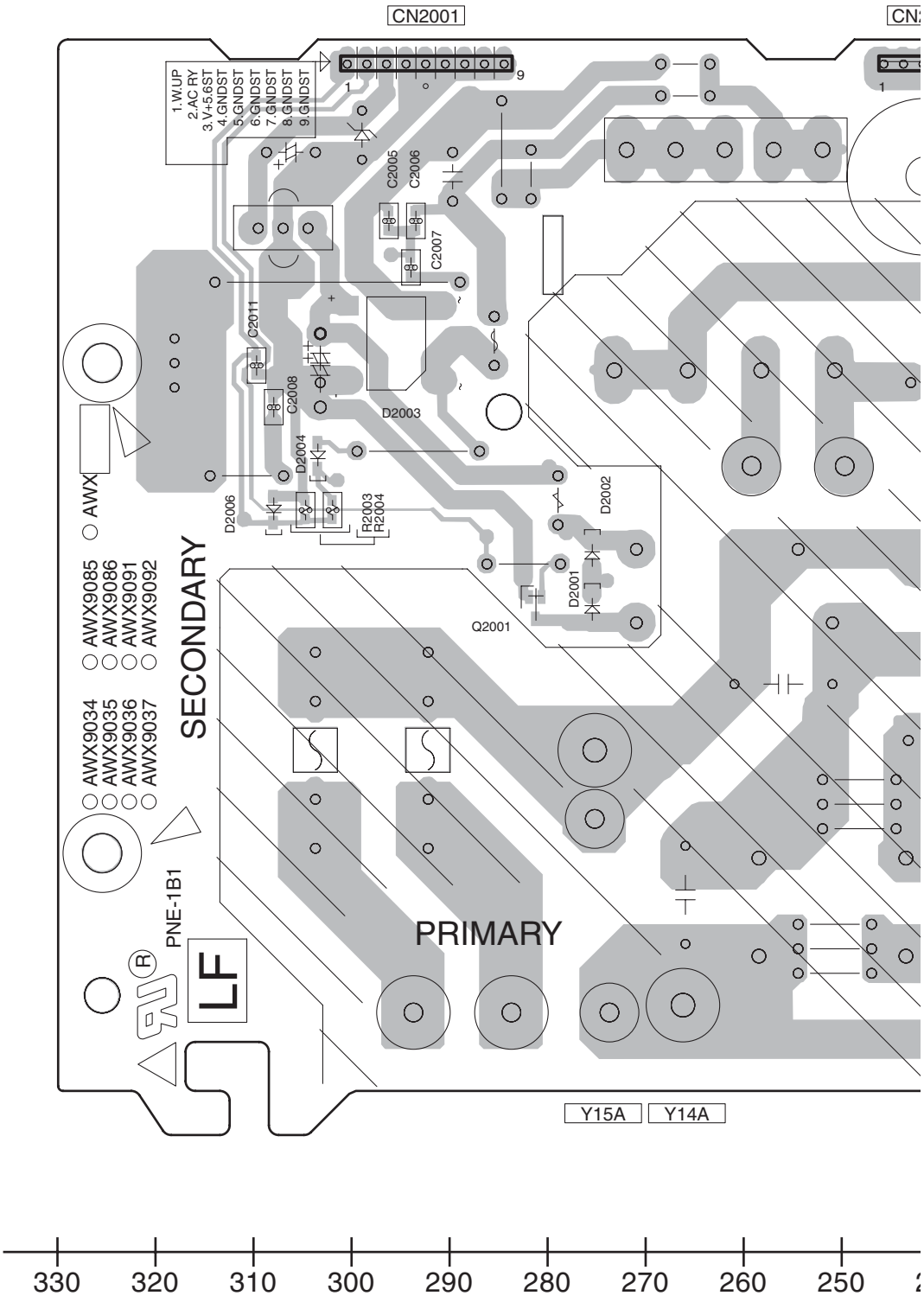


SIDE A

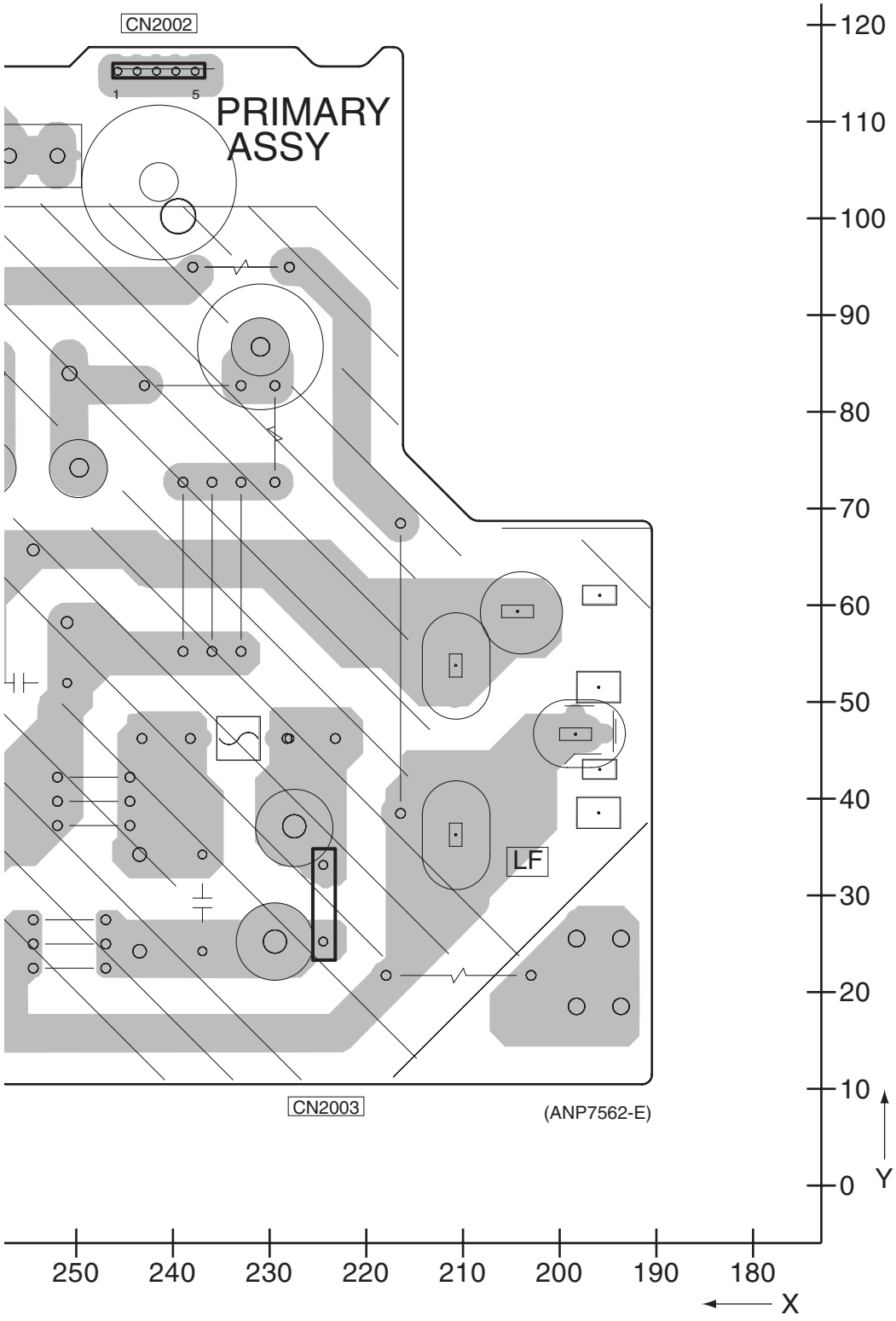

W CN3008
CN2001
W2024
W2013
CN2001
C2010
D2005
W2014
W2012
C2004
IC2001
78M56A
AWX9034
AWX9035
AWX9036
AWX9037
AWX9085
AWX9086
AWX9091
AWX9092
AWX
9.GNDST
8.GNDST
7.GNDST
6.GNDST
5.GNDST
4.GNDST
3.V+5.6ST
2.AC RY
1.WUP
PRINTED SIDE
W2023
W2015
IC2002
C2012
C2009
KN2002
BRN
J21A
RY2001
W2021
W2022
R2002
W2009
SECONDARY
PRIMARY ASS'Y
W2020
H2006
H2004
C2003
Y15A
L2001
BRN
J2004
FU3
FU2
LF
PNE-1B1
C2002
H2005
H2003
PRIMARY
GRY
Y14A
J2003
BRN
J2001
J2002
ORG
Y14A
Y15A
R Y14B
R Y15B
260
270
280
290
300
310
320
330

SIDE B

Q PRIMARY ASSY



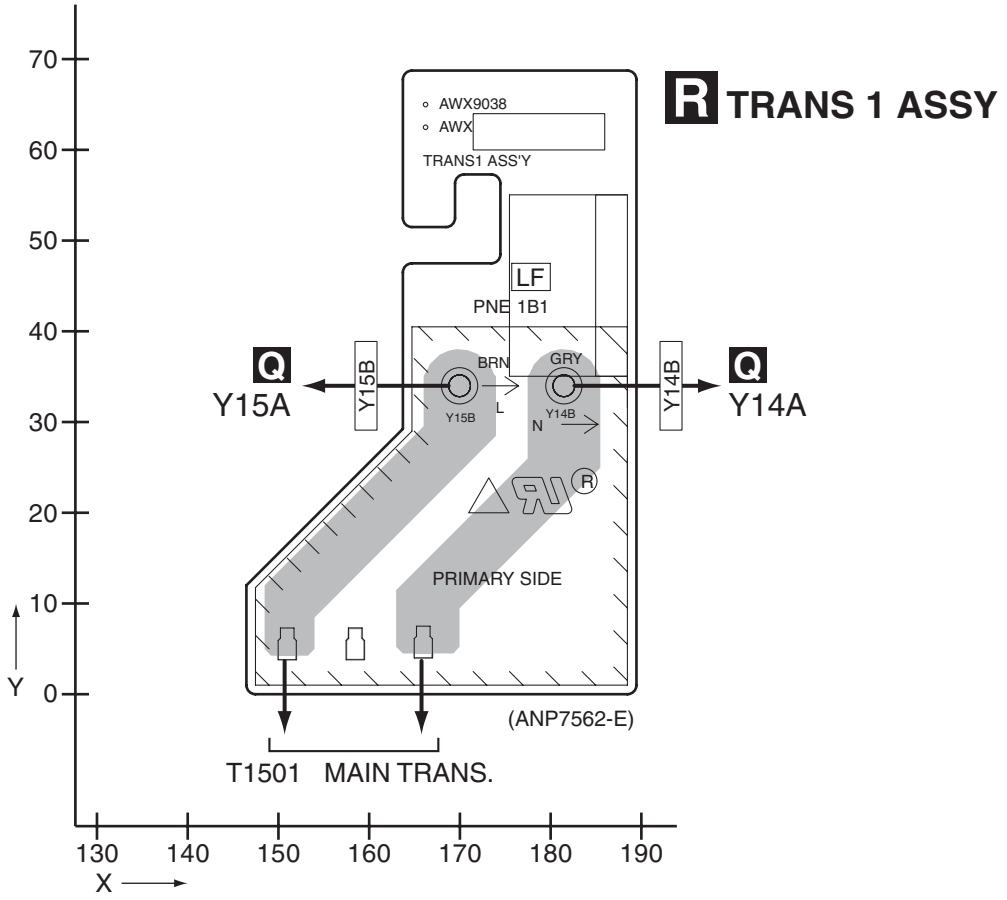
SIDE B


CN2002
1
5
PRIMARY
ASSY
LF
CN2003
(ANP7562-E)
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
250
240
230
220
210
200
190
180
X

11.16 TRANS 1 ASSYS

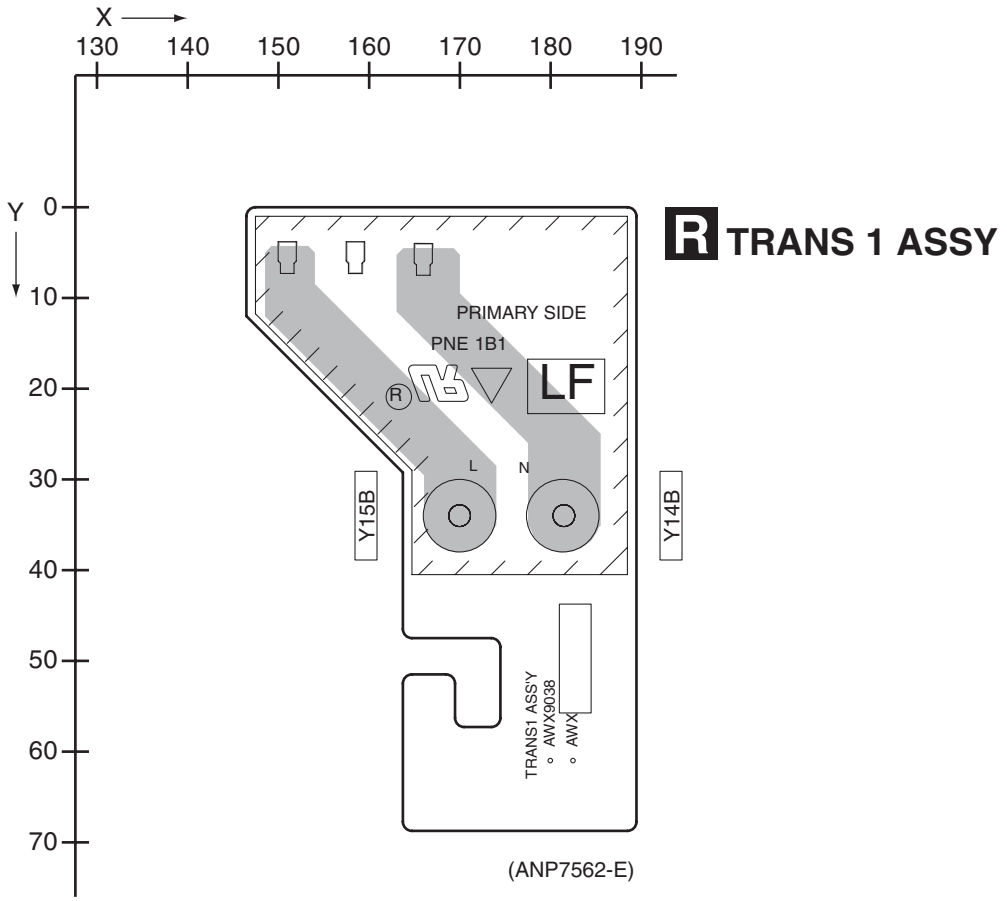
SIDE A

SIDE A

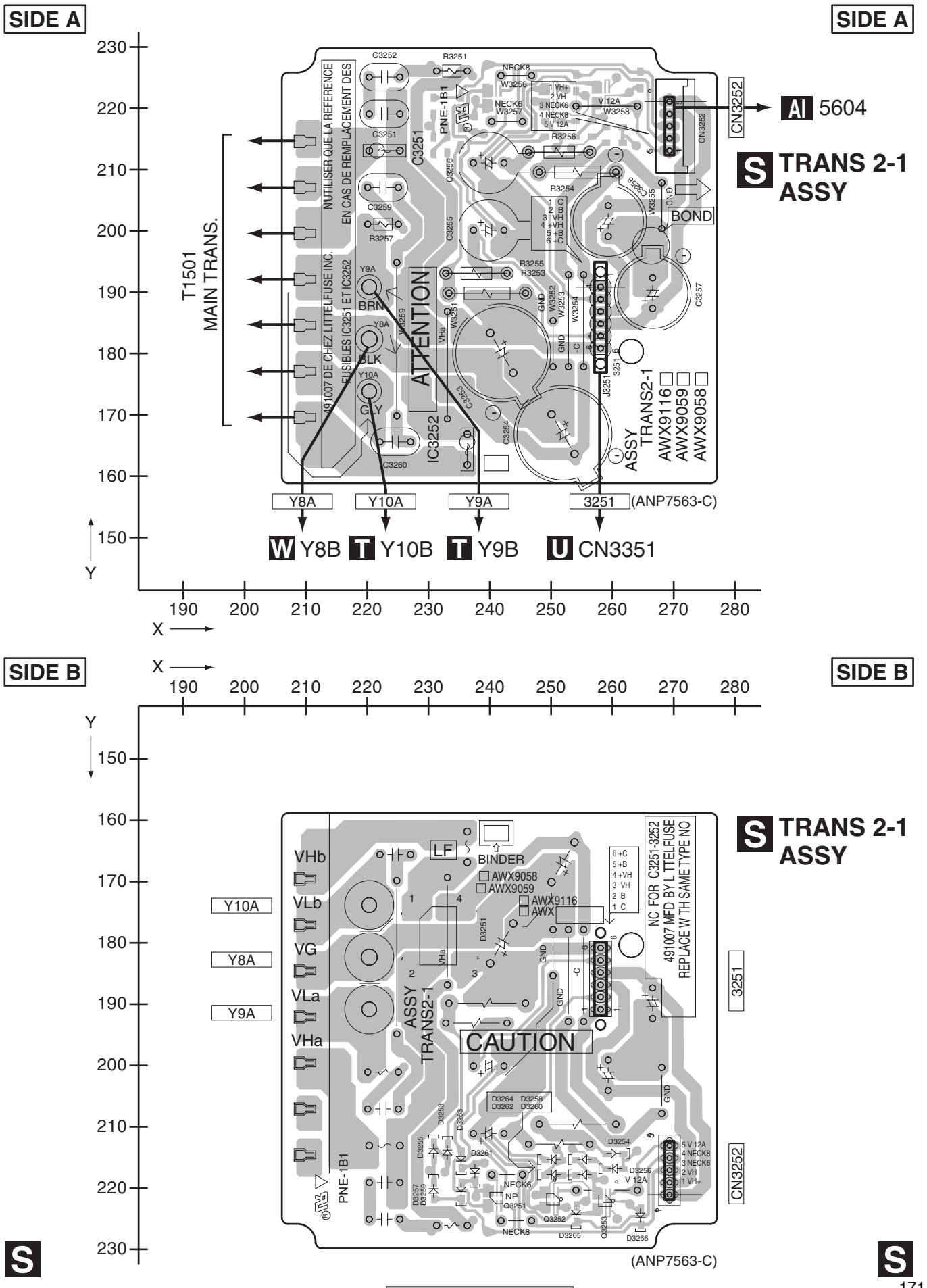


SIDE B

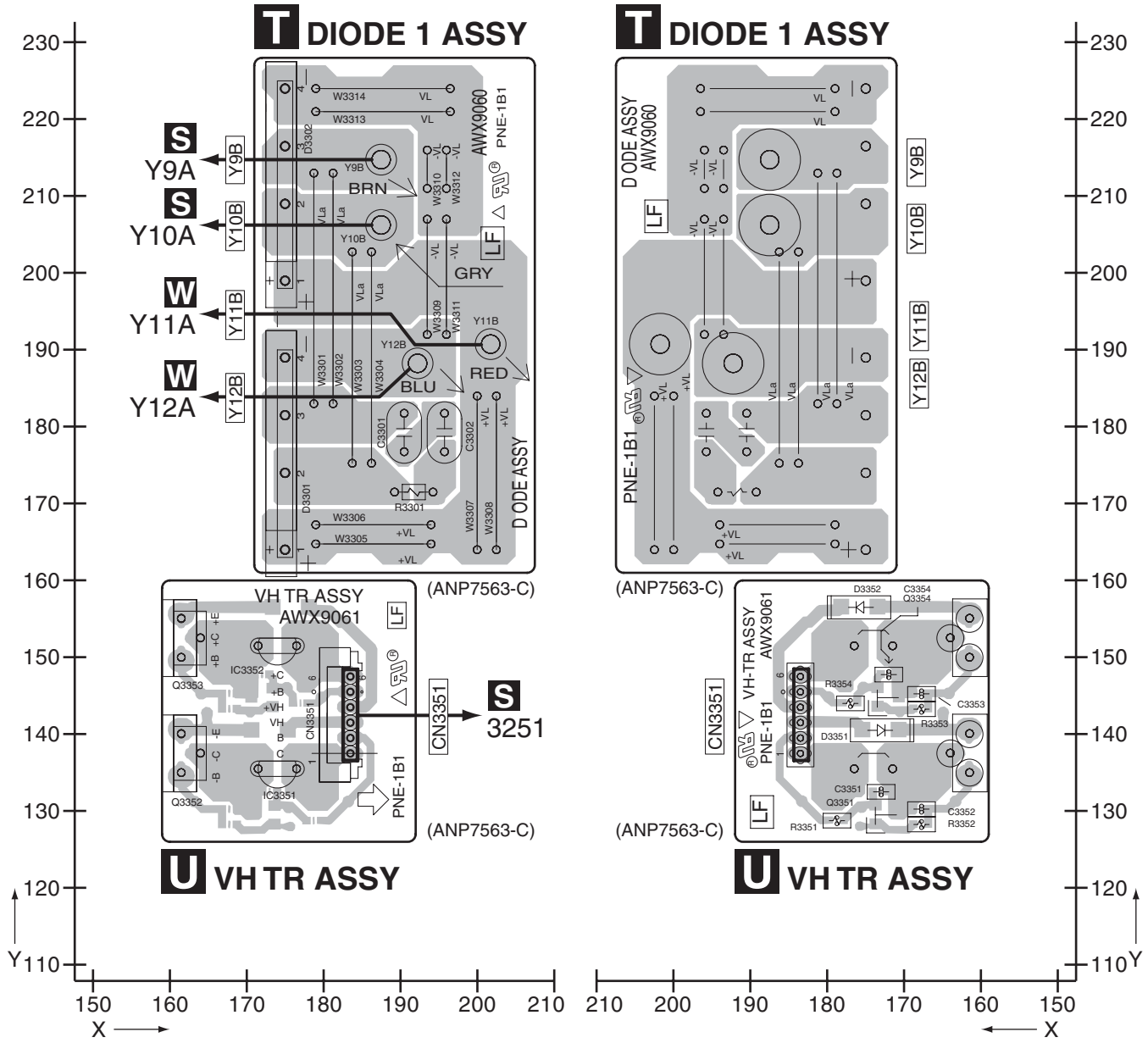
SIDE B



11.17 TRANS 2-1 ASSY



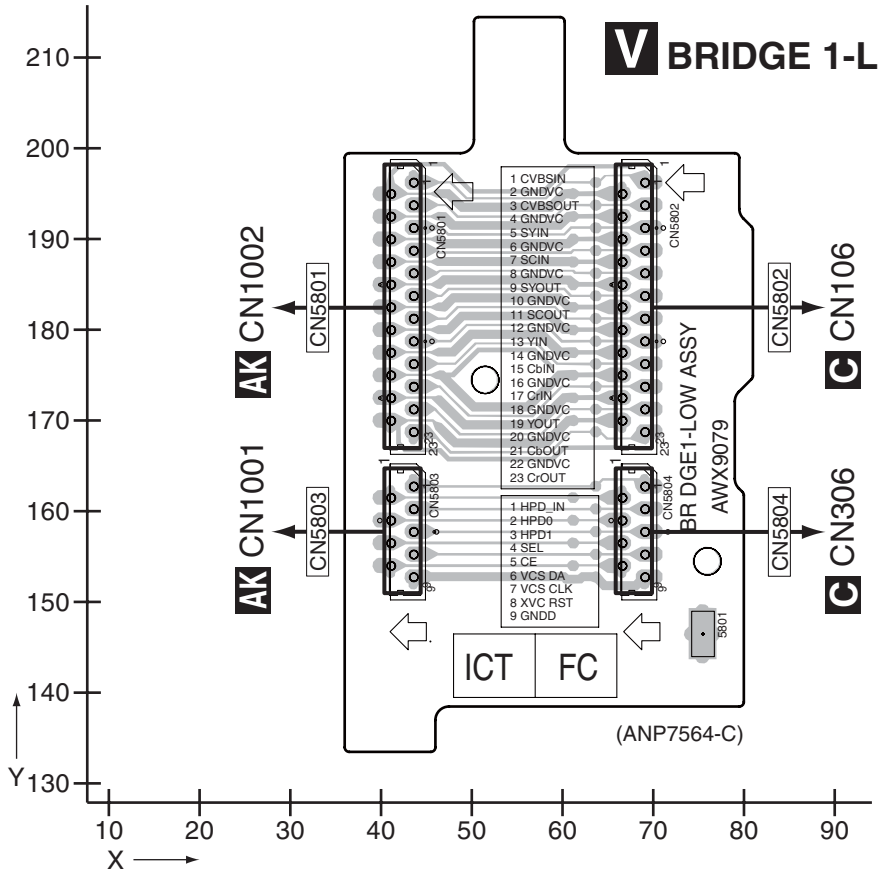
11.18 DIODE 1 and VH TR ASSYS



11.19 BRIDGE 1-L ASSY

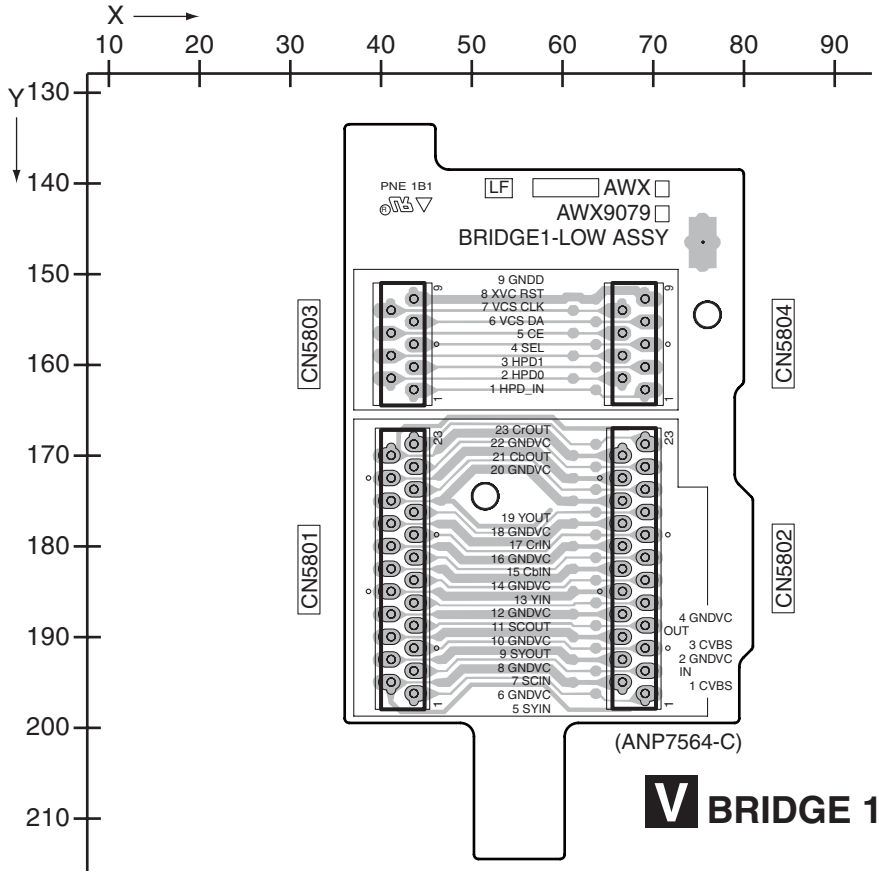
SIDE A

SIDE A



SIDE B

SIDE B

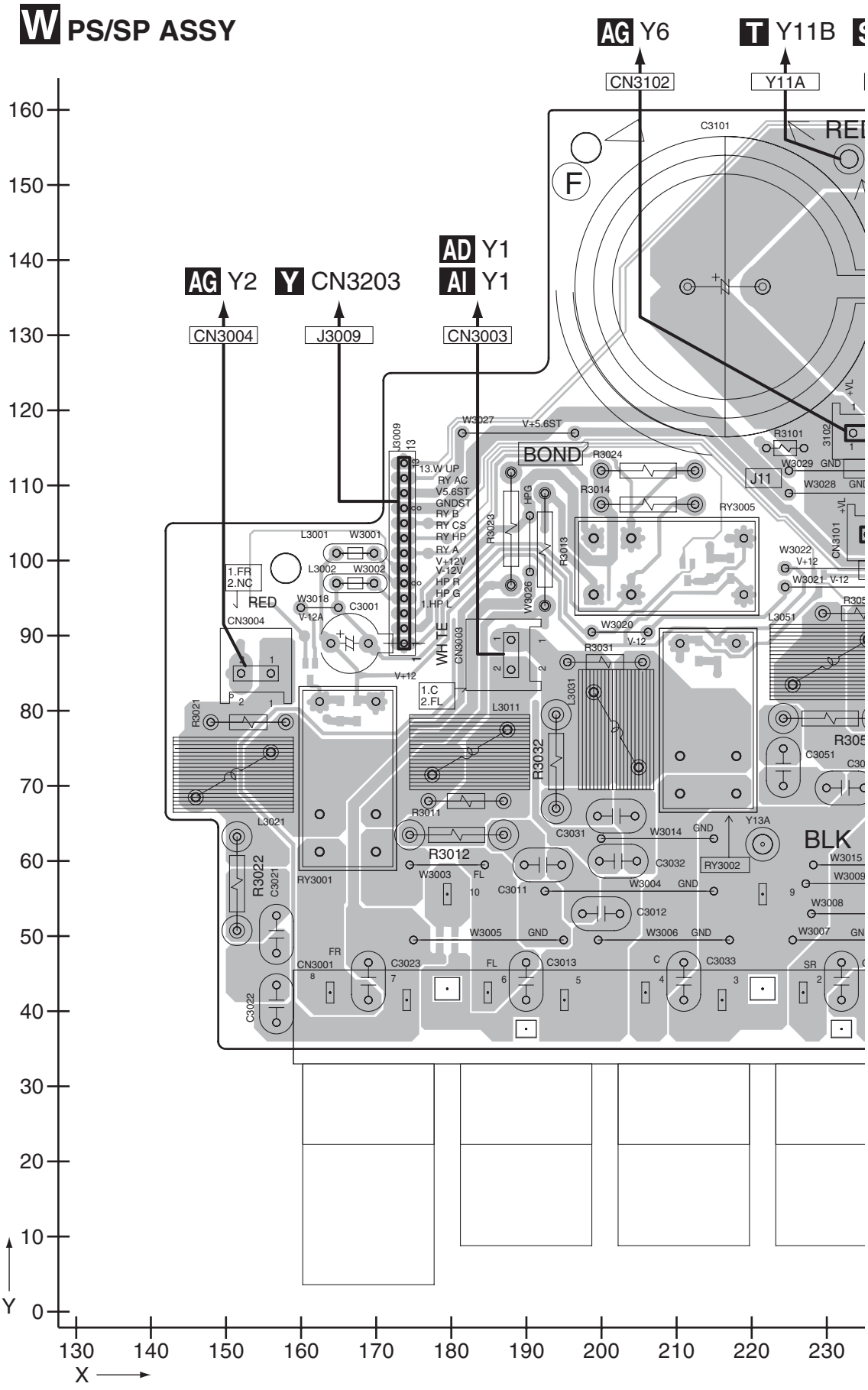


V

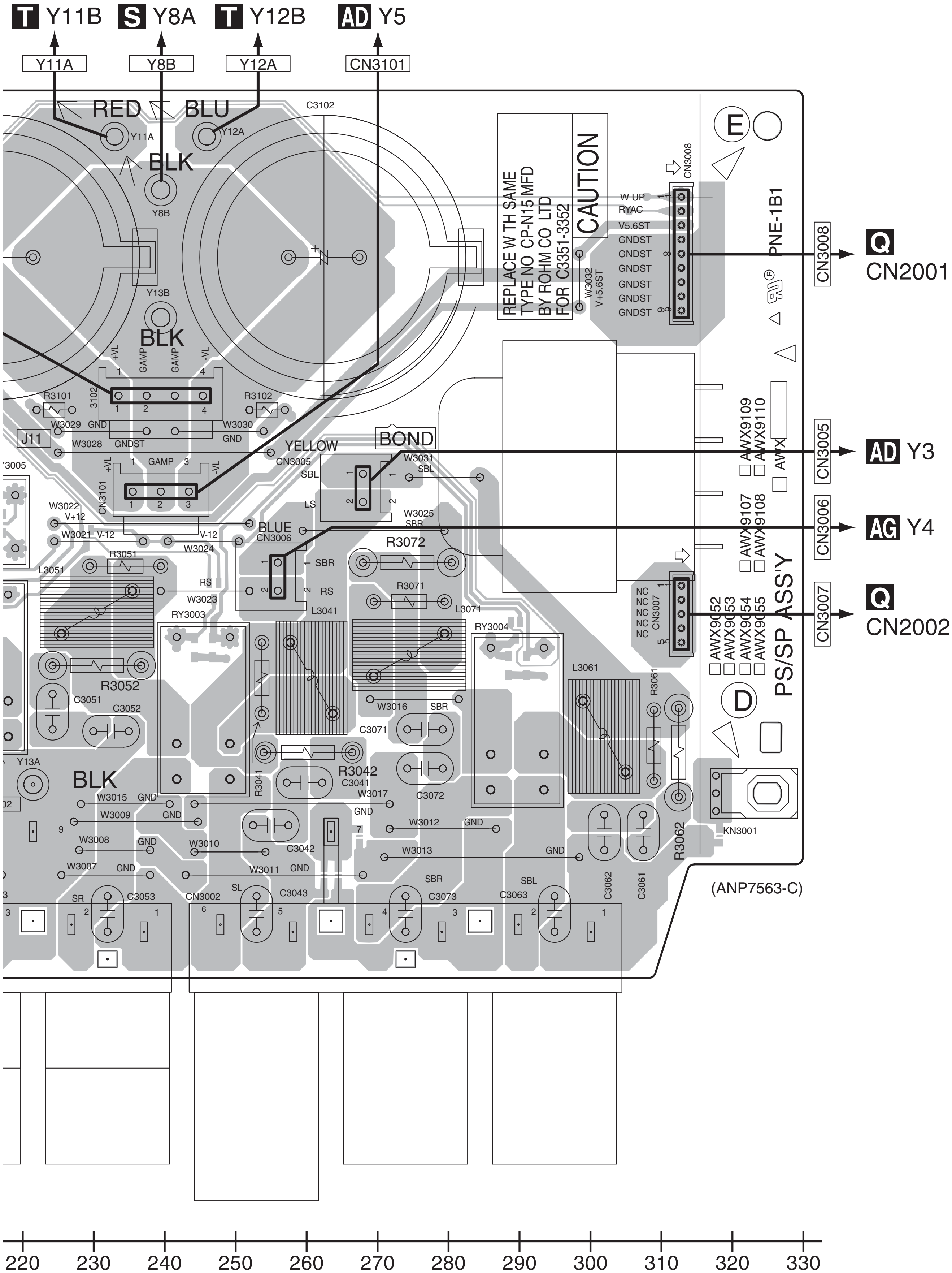
V

11.20 PS/SP ASSY

SIDE A

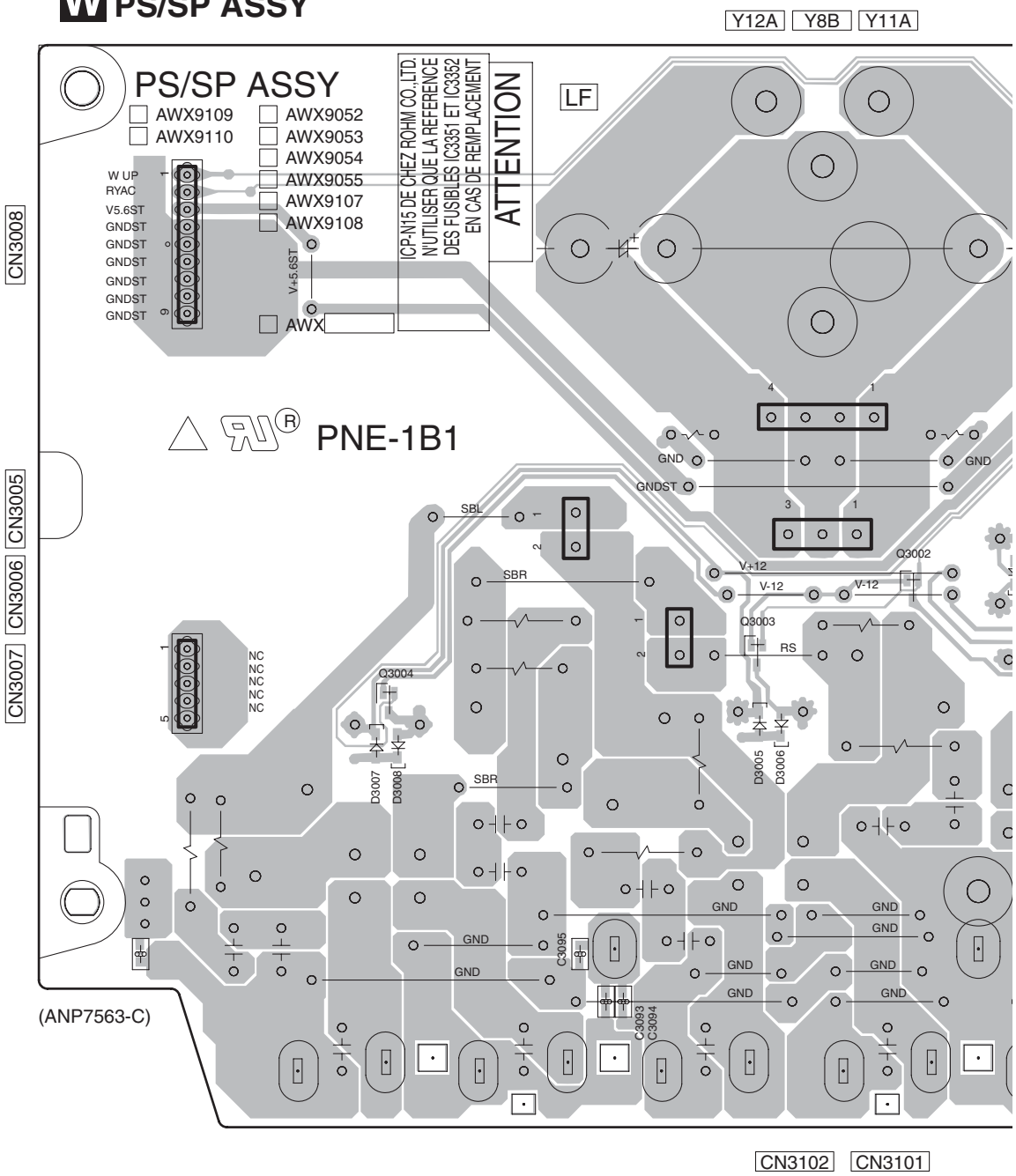


SIDE A


T Y11B
S Y8A
T Y12B
AD Y5
Y11A
Y8B
Y12A
CN3101
RED
BLU
BLK
C3102
REPLACE WITH SAME
TYPE NO. CP-N15 MFD
BY ROHM CO. LTD
FOR C3351-3352
CAUTION
CN3008
W UP
RYAC
V5.6ST
GNDST
W3032
V+5.6ST
PNE-1B1
CN3008
Q
CN2001
Y13B
+VL
GAMP
-VL
R3101
R3102
W3029
W3030
J11
W3028
GNDST
YELLOW
BOND
CN3005
W3031
SBL
LS
W3025
SBR
AWX9109
AWX9110
AWX
CN3005
AD Y3
W3022
V+12
W3021
V-12
BLUE
CN3006
W3024
R3072
AWX9107
AWX9108
CN3006
AG Y4
R3051
L3051
RS
W3023
R3071
L3041
L3071
RY3003
RY3004
NC
CN3007
AWX9052
AWX9053
AWX9054
AWX9055
PS/SP ASS'Y
CN3007
Q
CN2002
R3052
C3051
C3052
W3016
C3071
L3061
R3061
Y13A
BLK
R3042
C3041
R3041
W3017
C3072
W3015
W3009
W3008
W3010
W3012
C3042
W3013
W3007
W3011
R3062
KN3001
SR
C3053
CN3002
SL
C3043
C3073
C3063
C3062
C3061
(ANP7563-C)
220
230
240
250
260
270
280
290
300
310
320
330

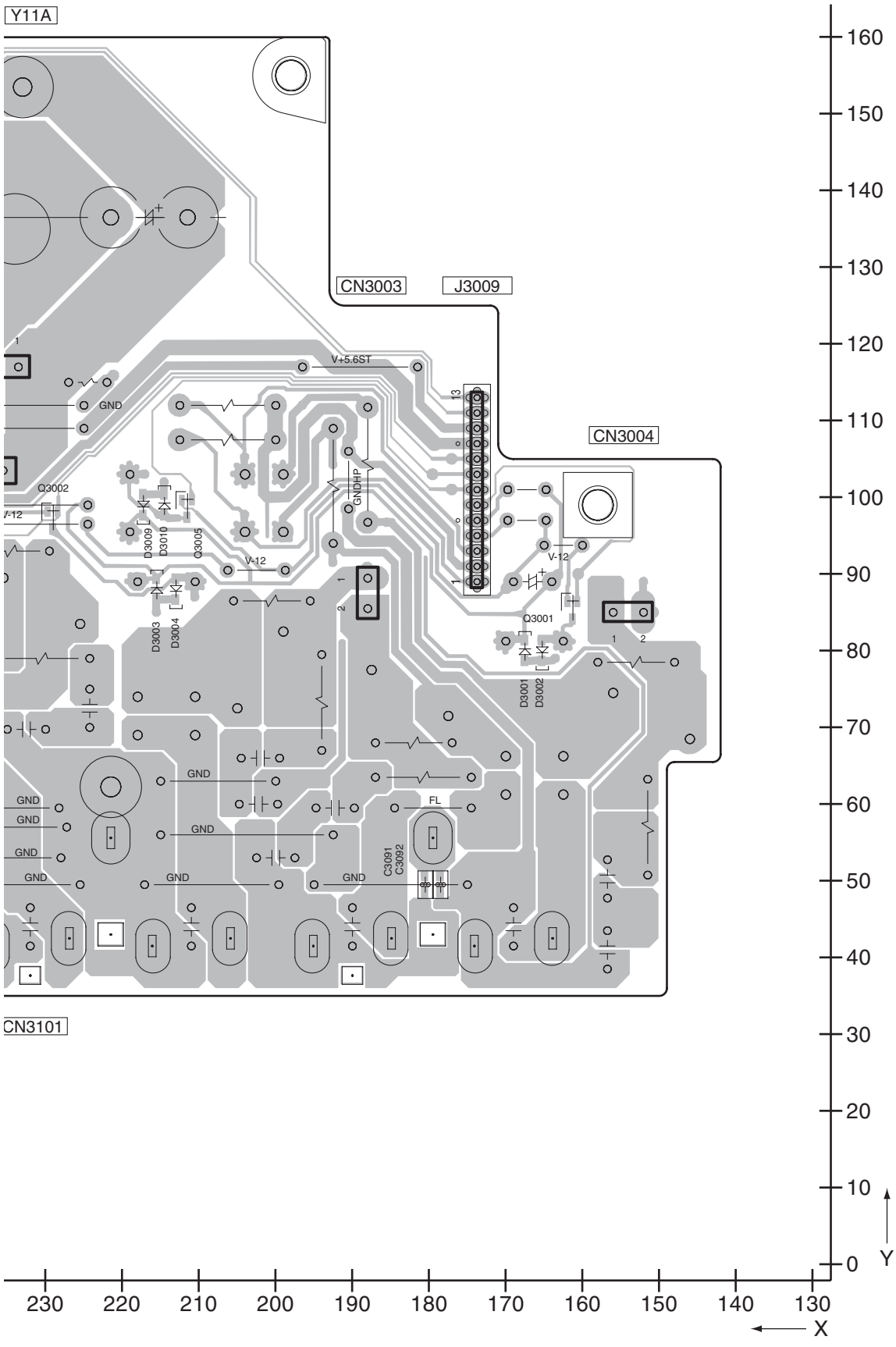
SIDE B

W PS/SP ASSY



330 320 310 300 290 280 270 260 250 240 230 220

SIDE B

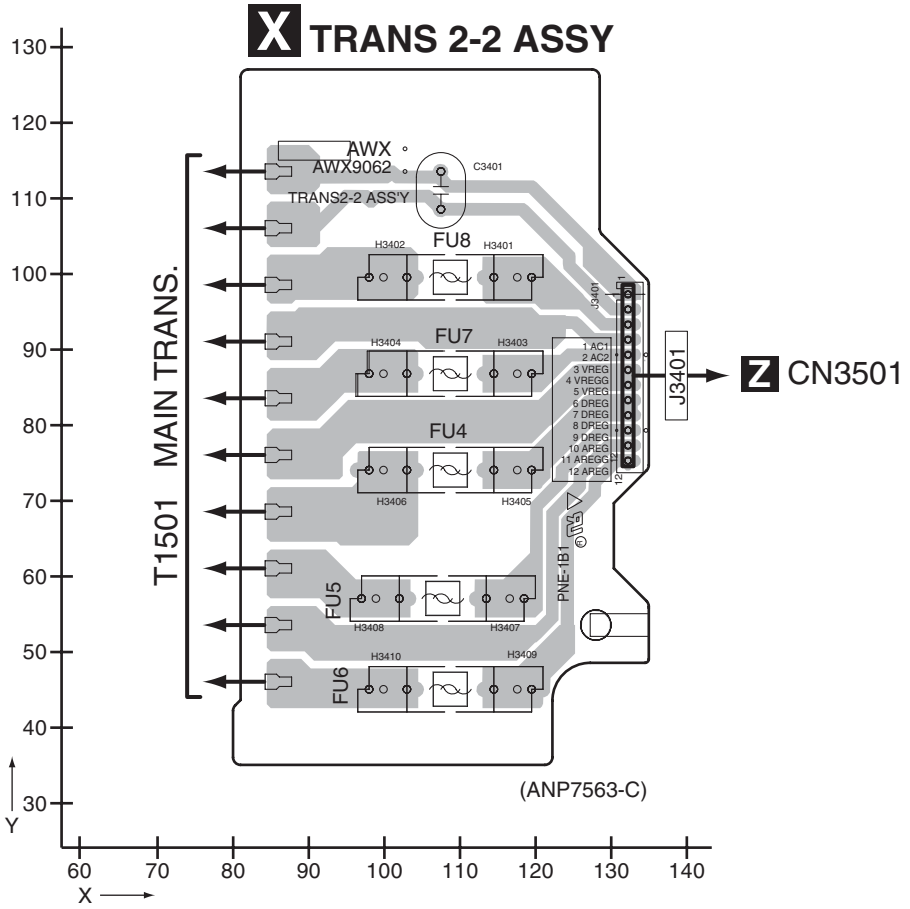

Y11A
CN3003
J3009
CN3004
CN3101
V+5.6ST
GND
GNDHP
V-12
Q3002
Q3001
Q3005
D3003
D3004
D3009
D3010
D3001
D3002
FL
C3091
C3092
13
1
2
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
230
220
210
200
190
180
170
160
150
140
130
X

11.21 TRANS 2-2 ASSY

SIDE A

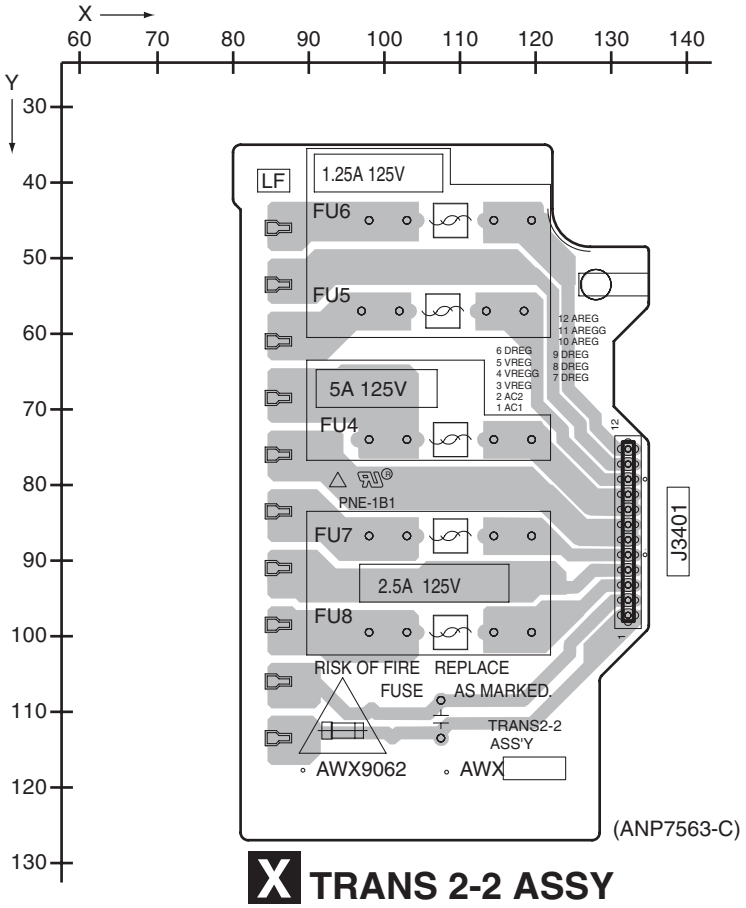
SIDE A

X TRANS 2-2 ASSY



SIDE B

SIDE B

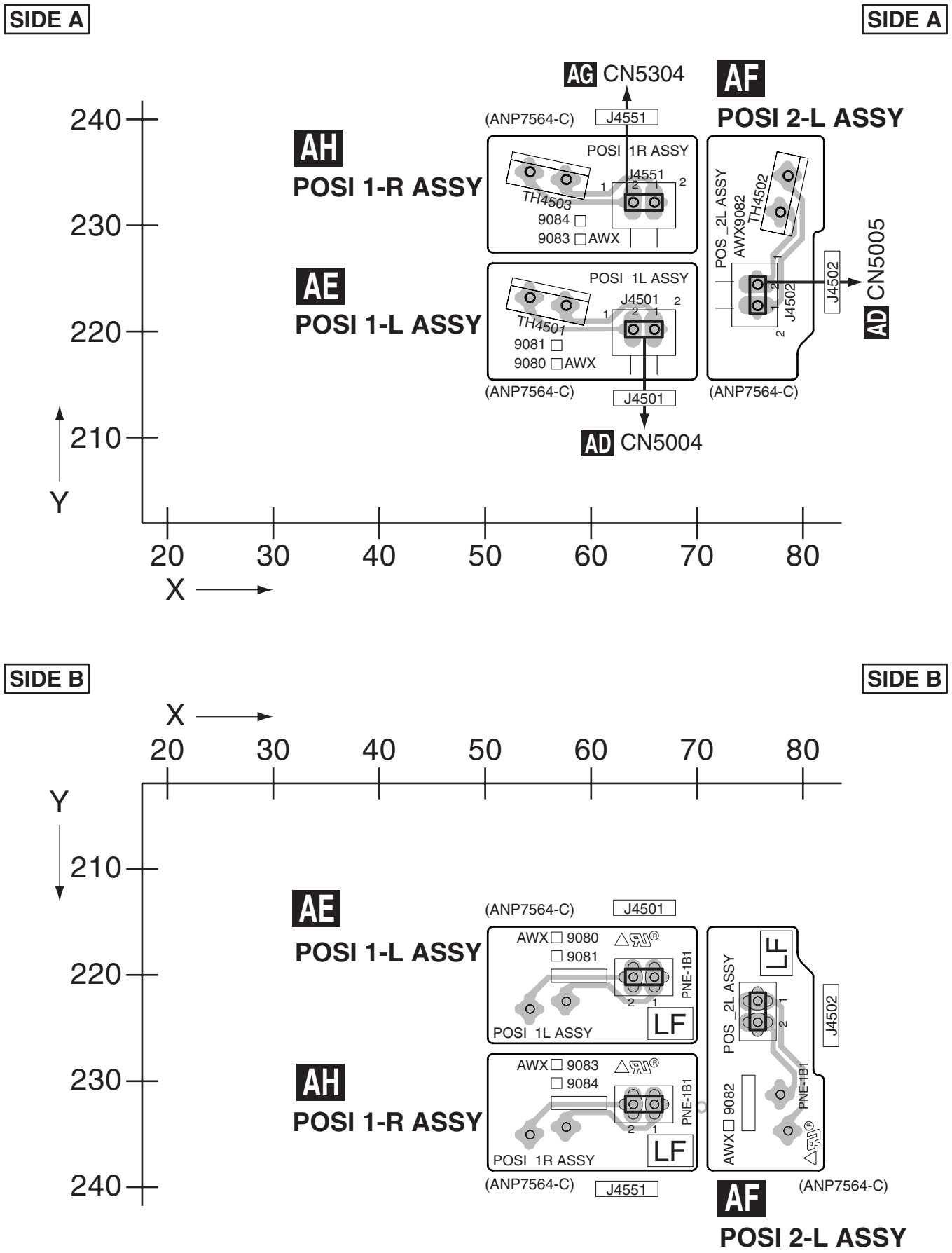


X TRANS 2-2 ASSY

X

X

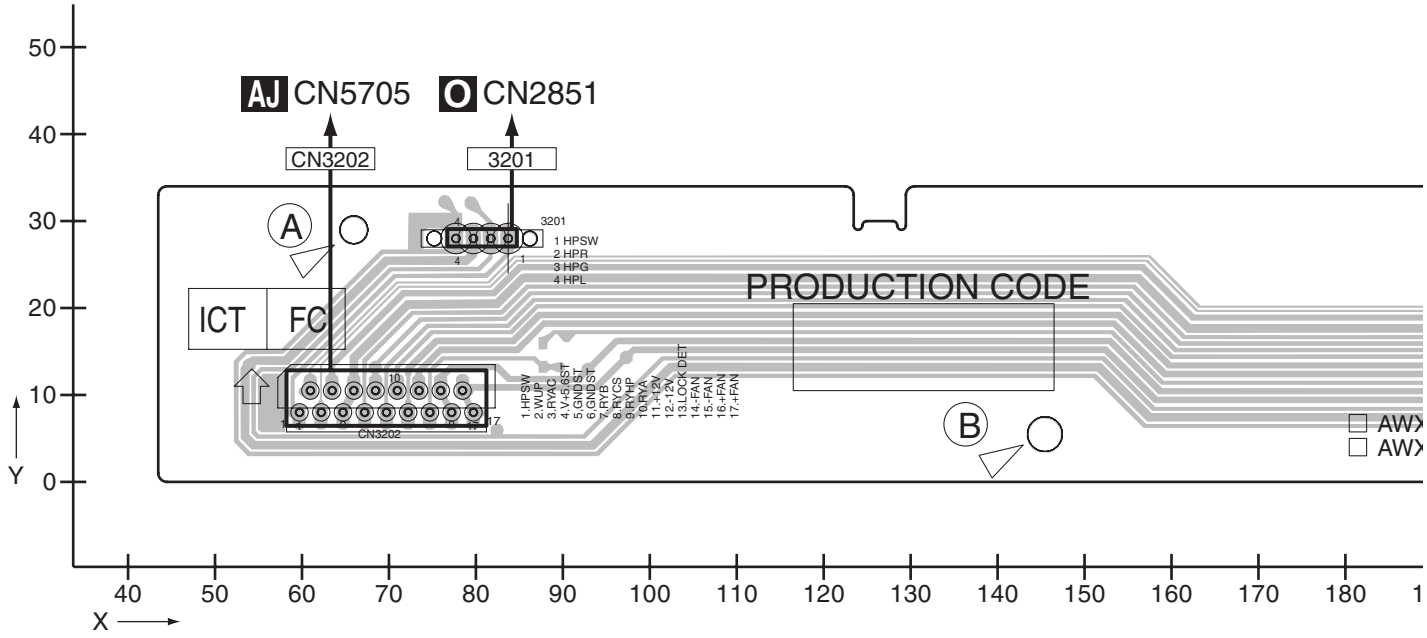
11.22 POSI 1-L, POSI 2-L and POSI 1-R ASSYS



11.23 TRANS SIDE ASSY

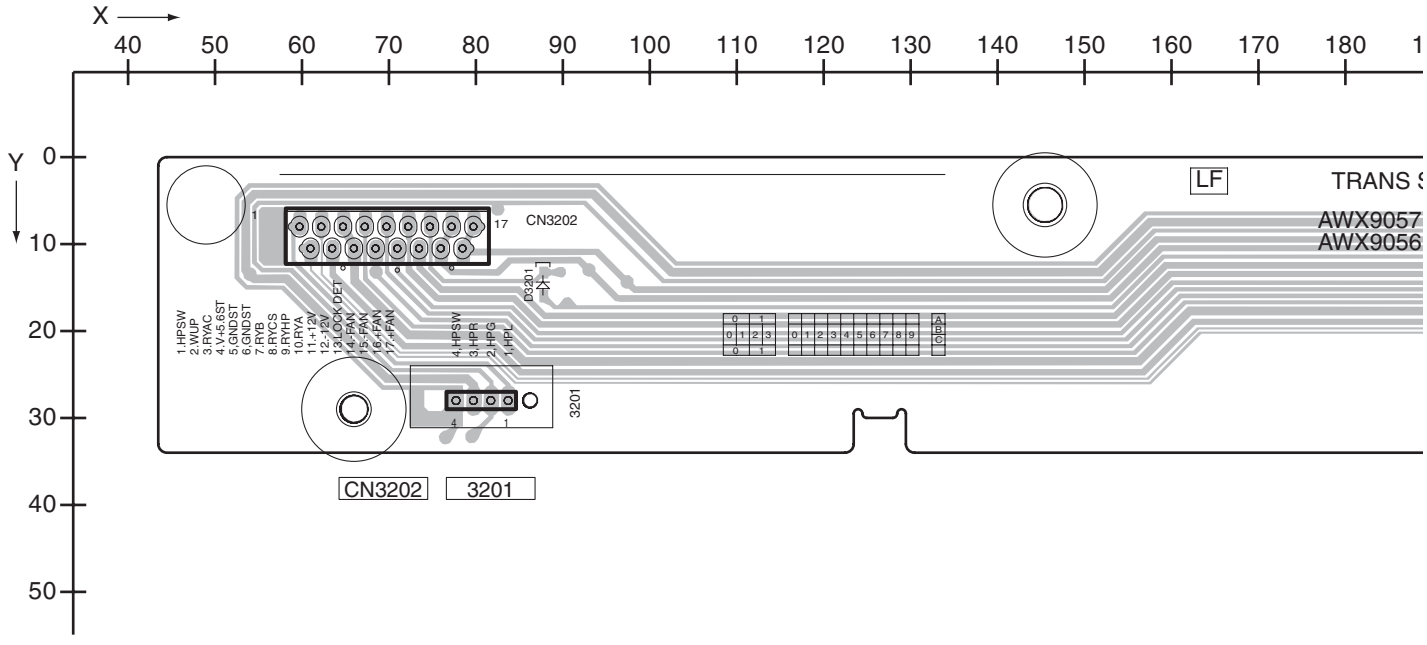
SIDE A

Y TRANS SIDE ASSY



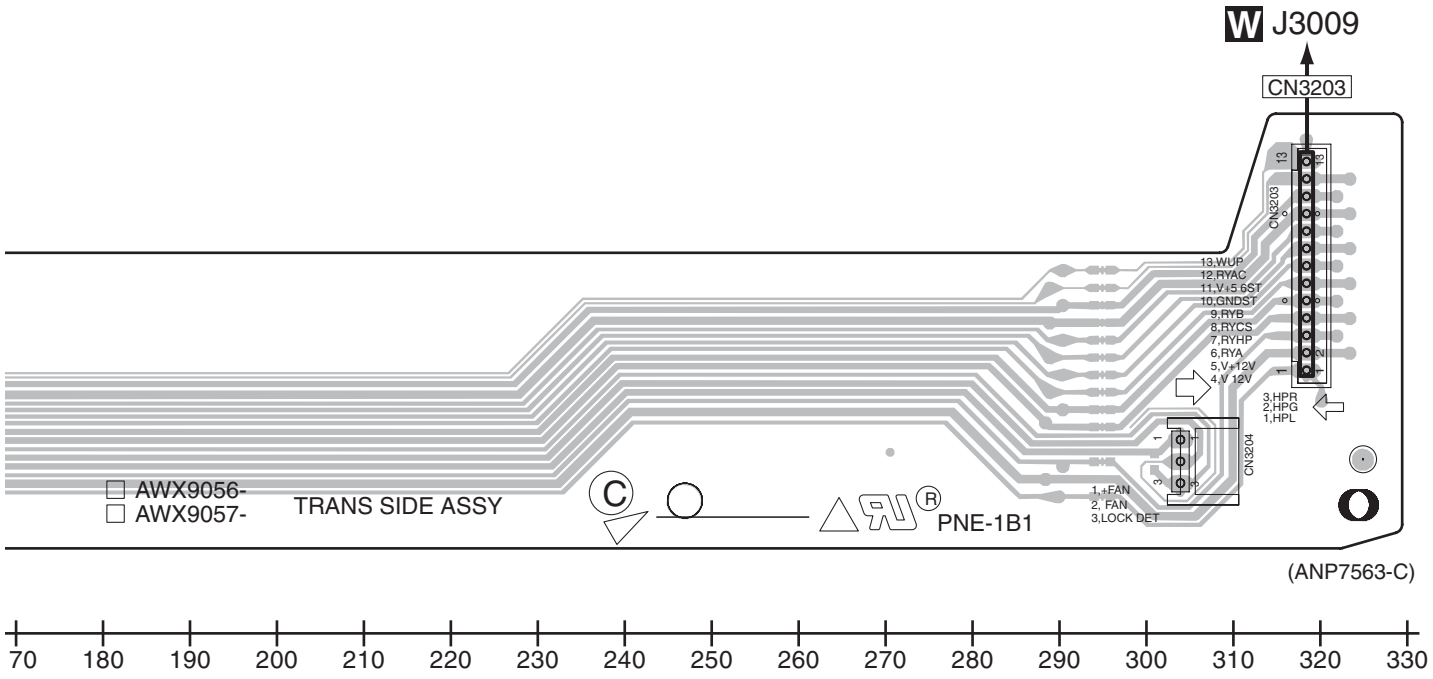
SIDE B

Y TRANS SIDE ASSY



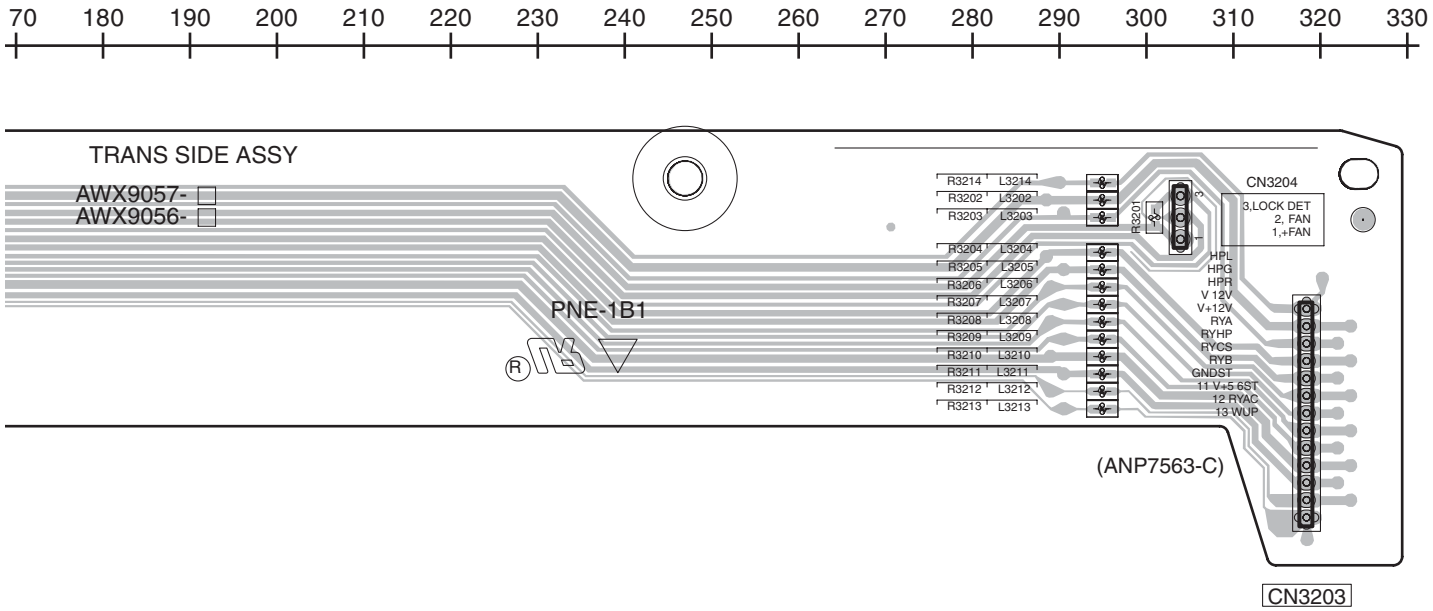
Y

SIDE A



70 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330

SIDE B

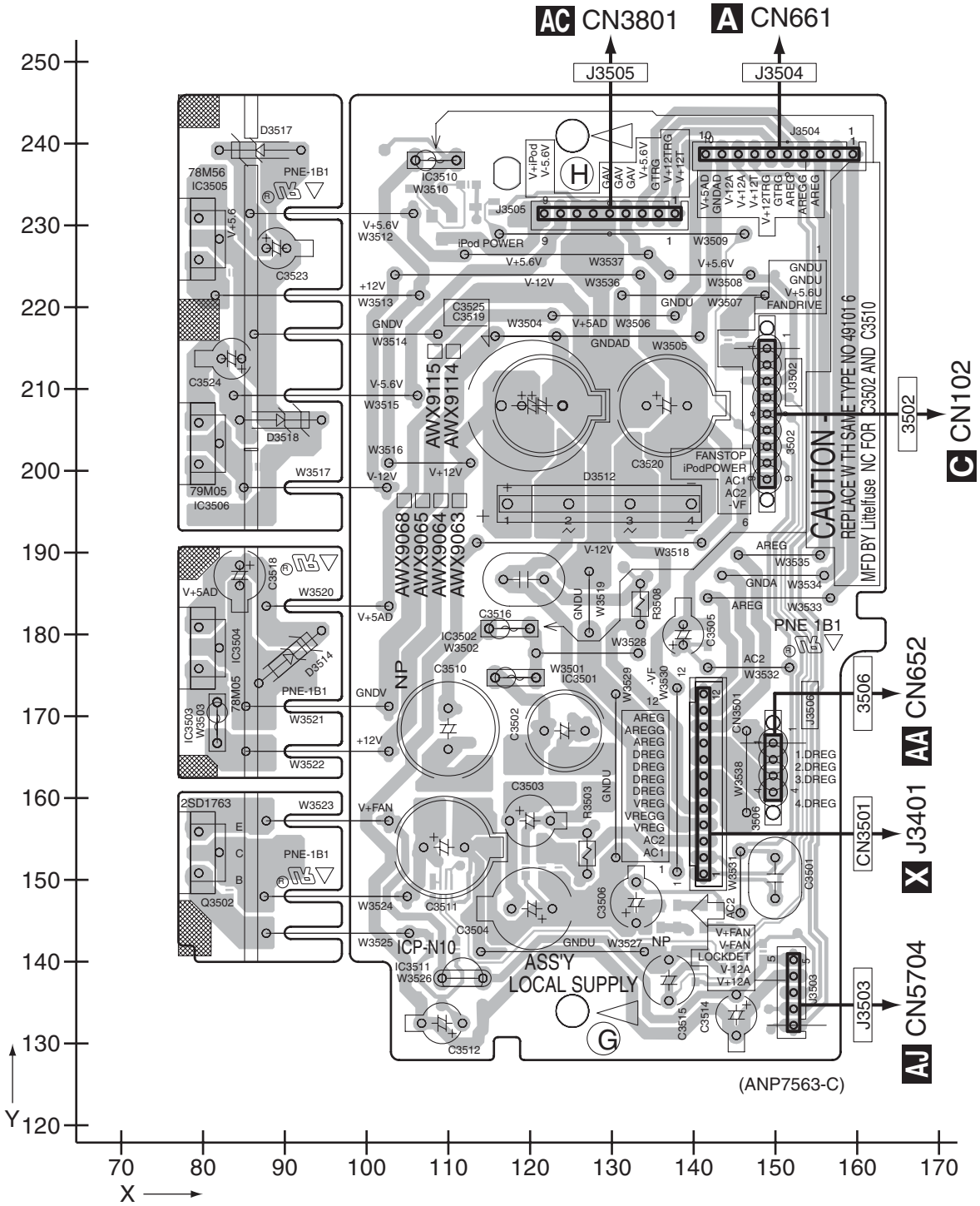


70 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330

11.24 LOCAL P-SUPPLY ASSY

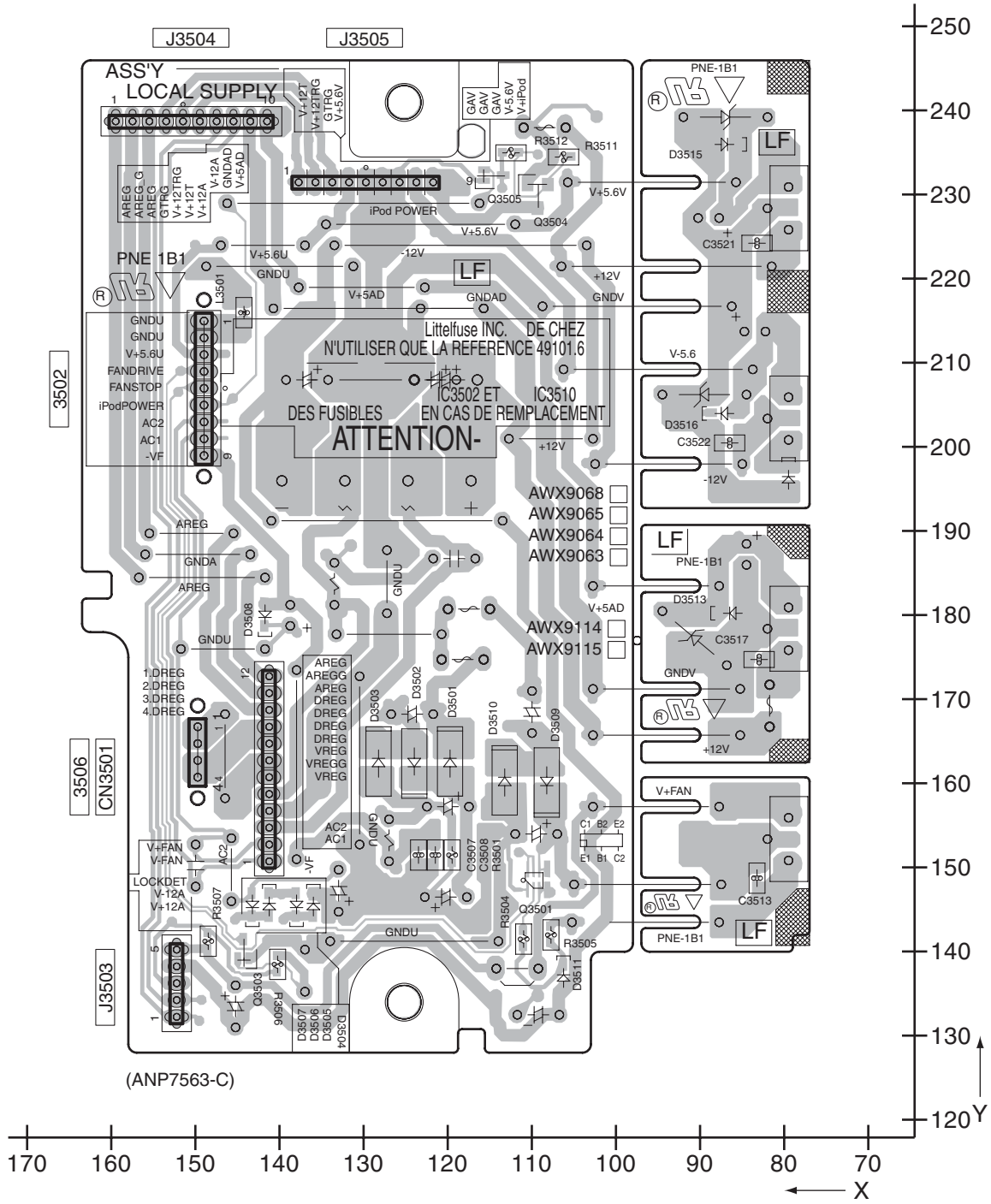
SIDE A **SIDE A**

Z LOCAL P-SUPPLY ASSY



SIDE B

Z LOCAL P-SUPPLY ASSY

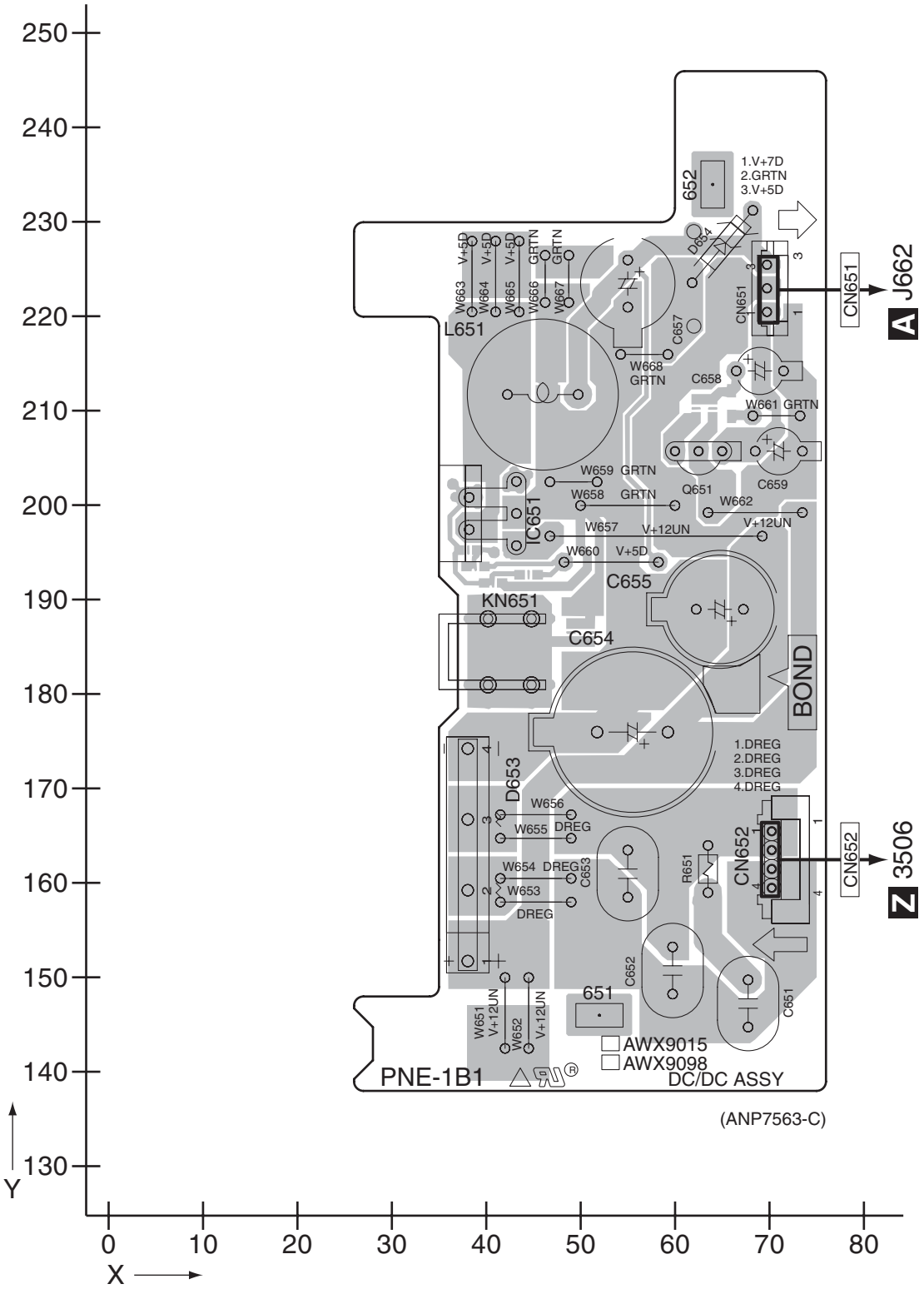


11.25 DC/DC ASSY

SIDE A

SIDE A

AA DC/DC ASSY

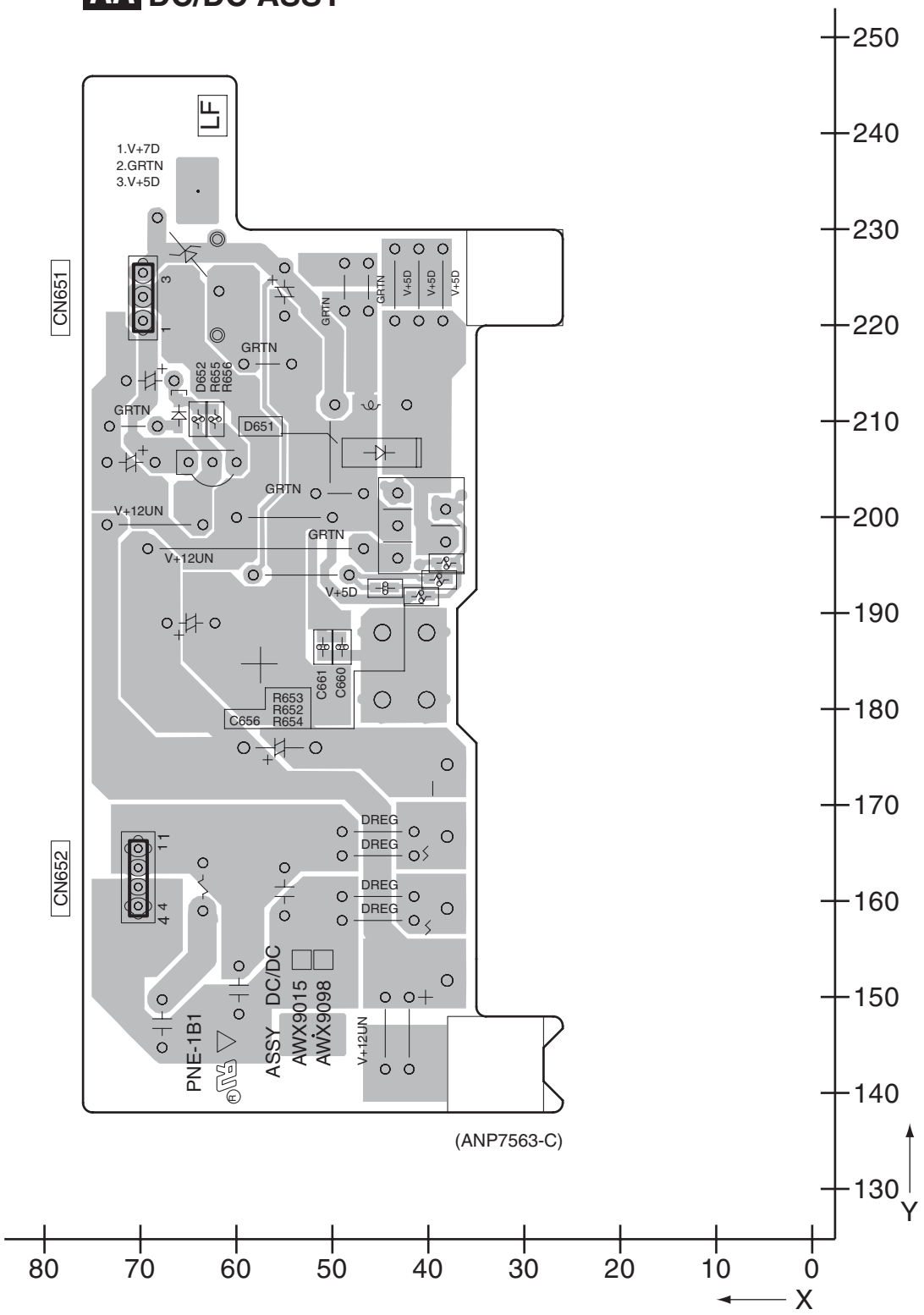


AA

AA

SIDE B

AA DC/DC ASSY

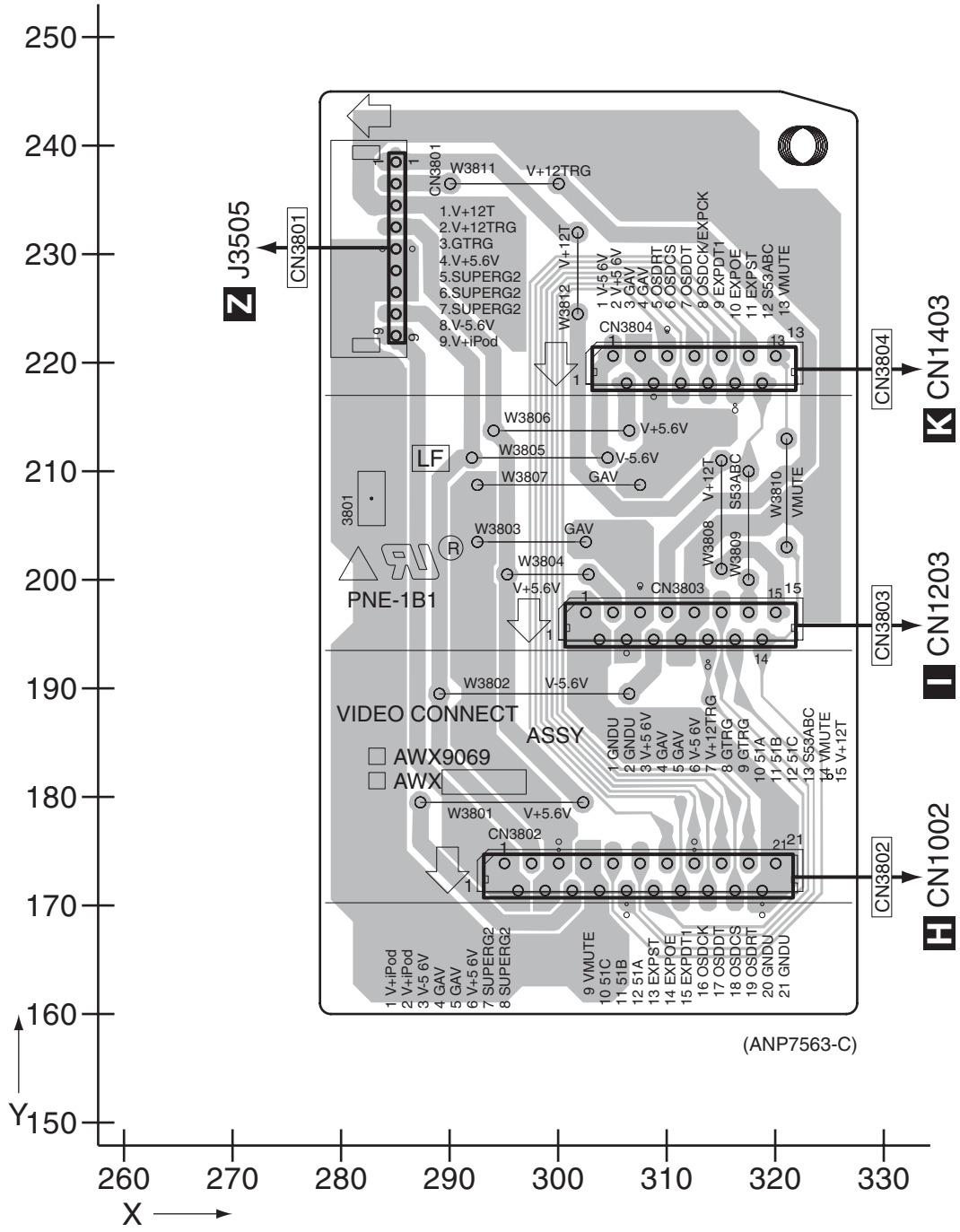


11.26 VIDEO CONNECT ASSY

SIDE A

SIDE A

AC VIDEO CONNECT ASSY

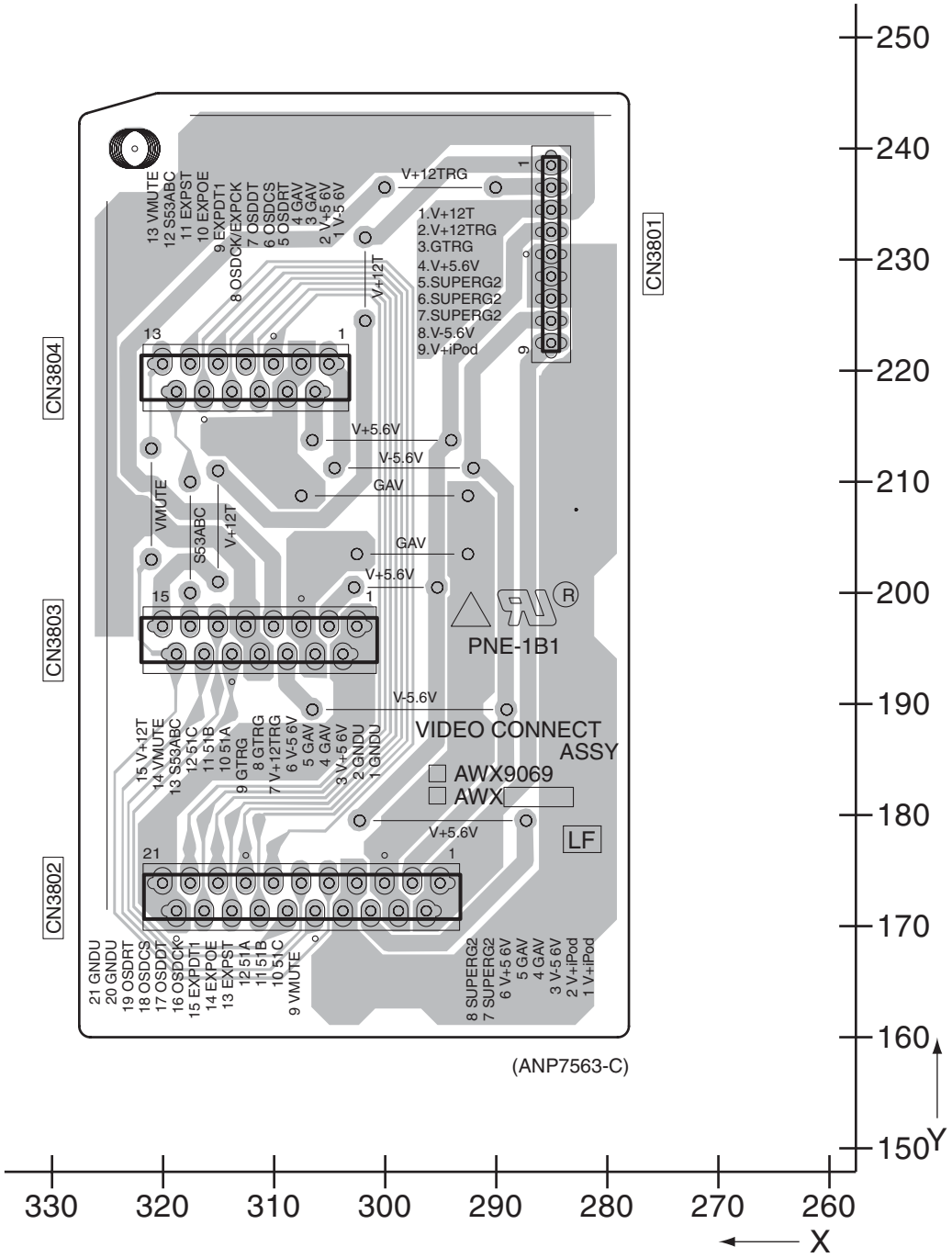


AC

AC

SIDE B

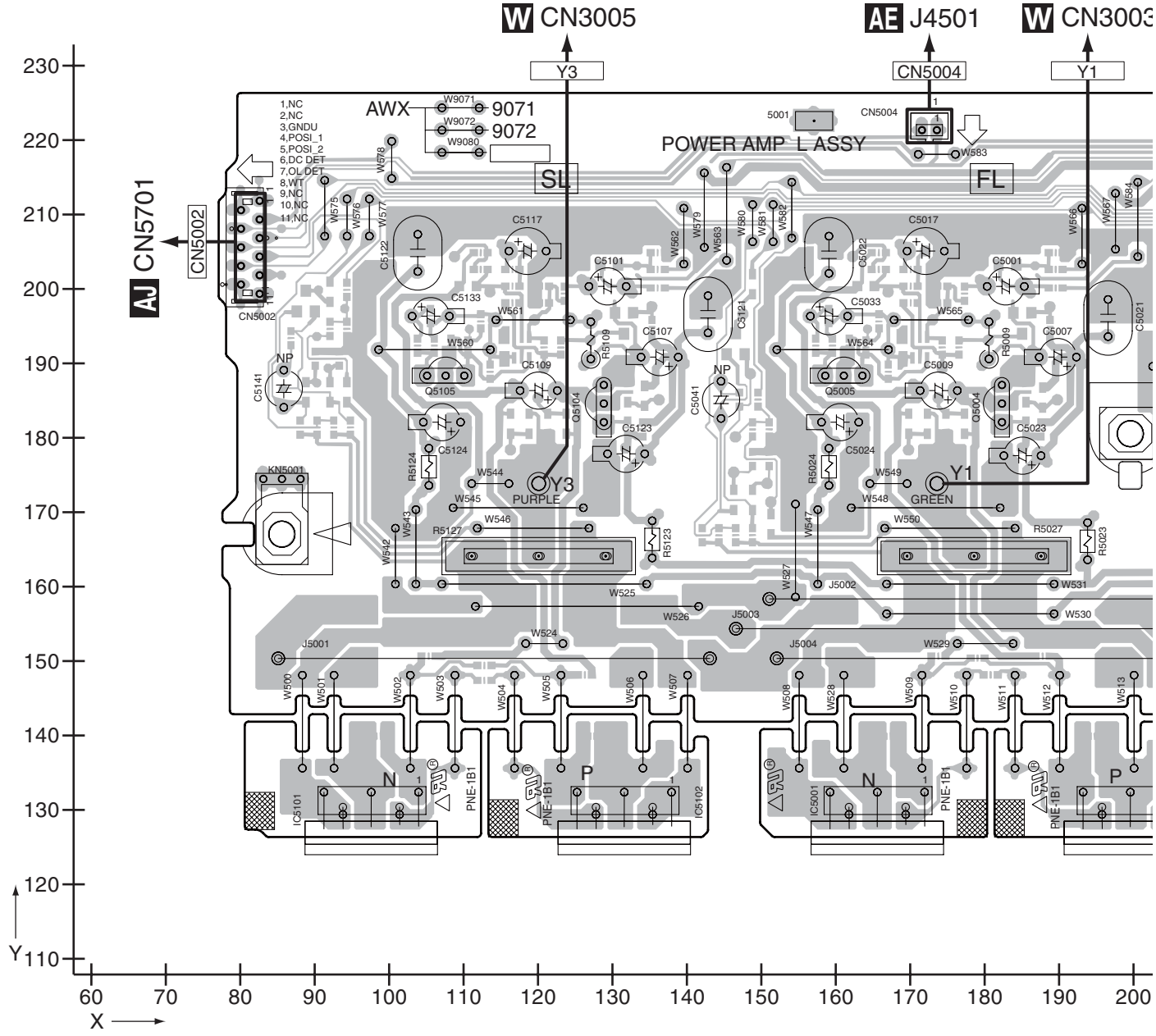
AC VIDEO CONNECT ASSY



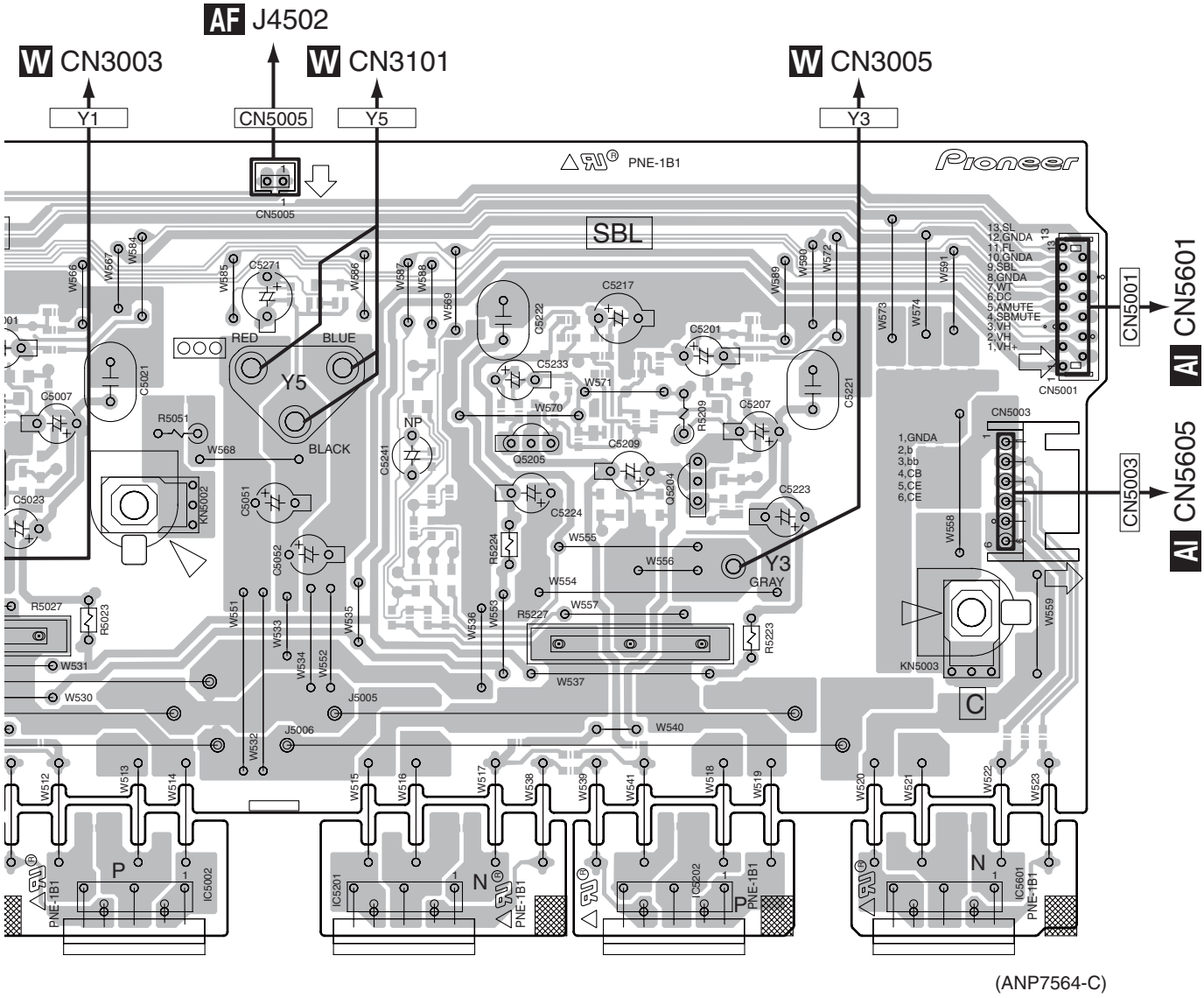
11.27 POWER AMP-L ASSY

SIDE A

AD POWER AMP-L ASSY



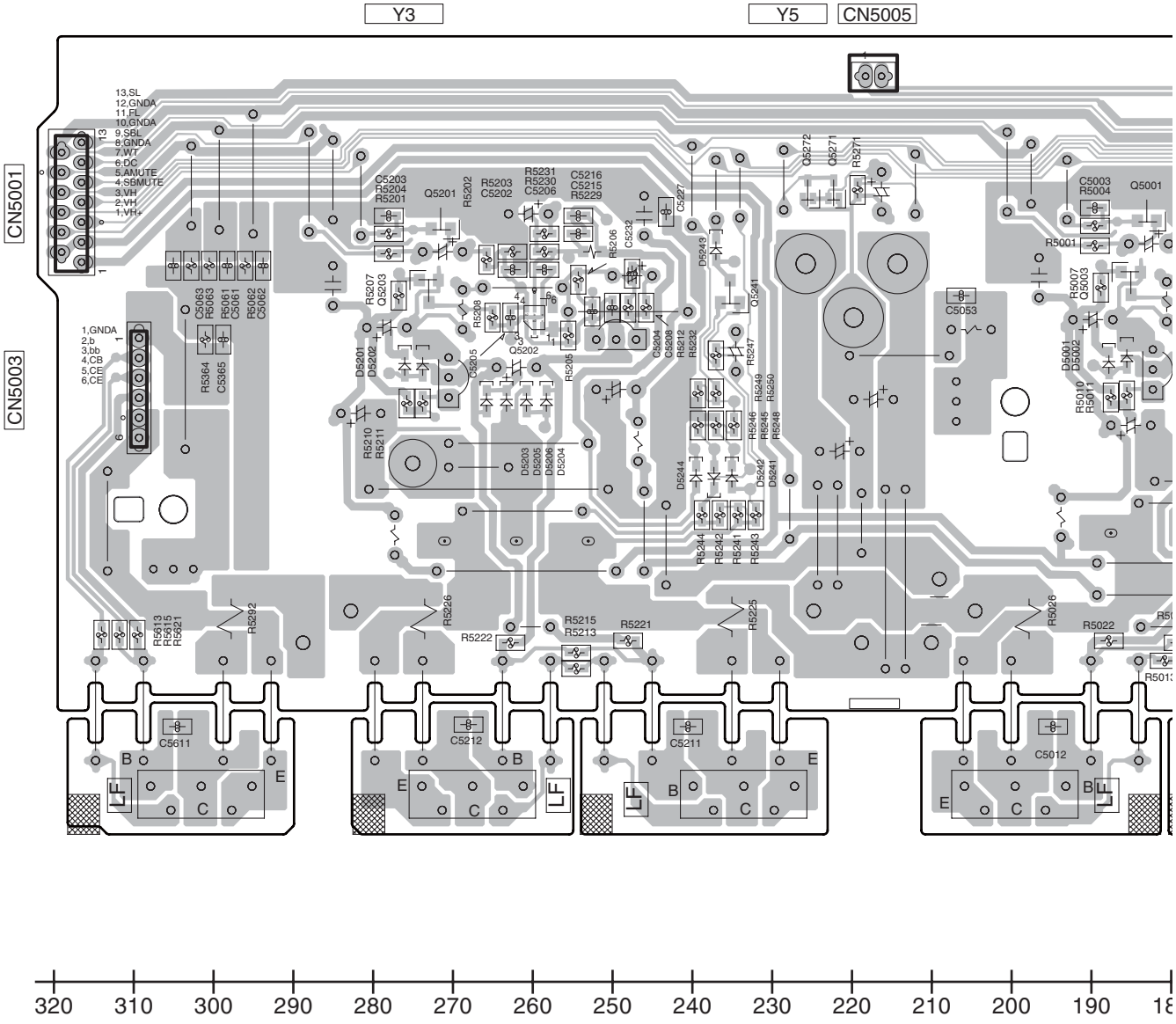
SIDE A



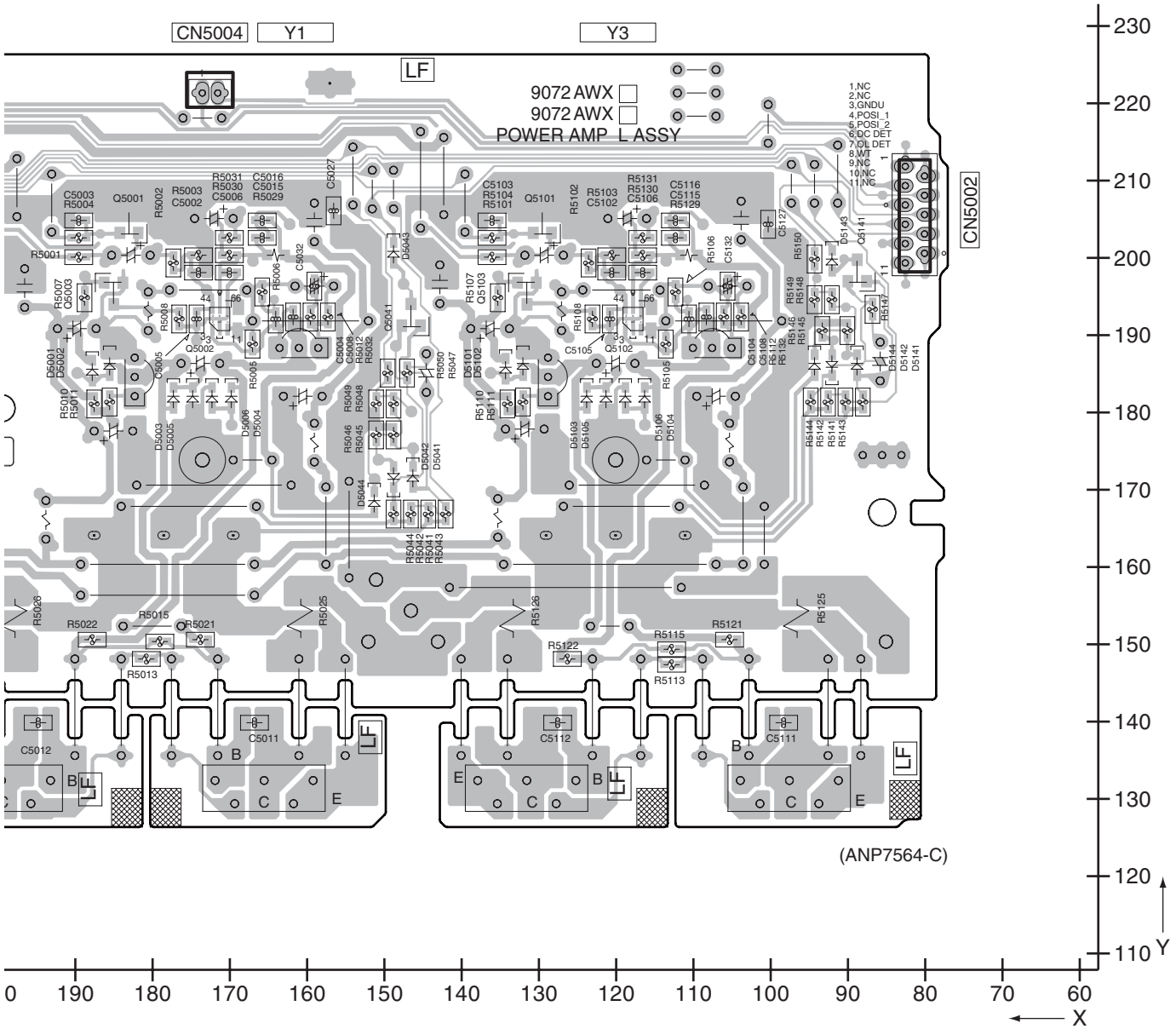
190 200 210 220 230 240 250 260 270 280 290 300 310 320

SIDE B

AD POWER AMP-L ASSY



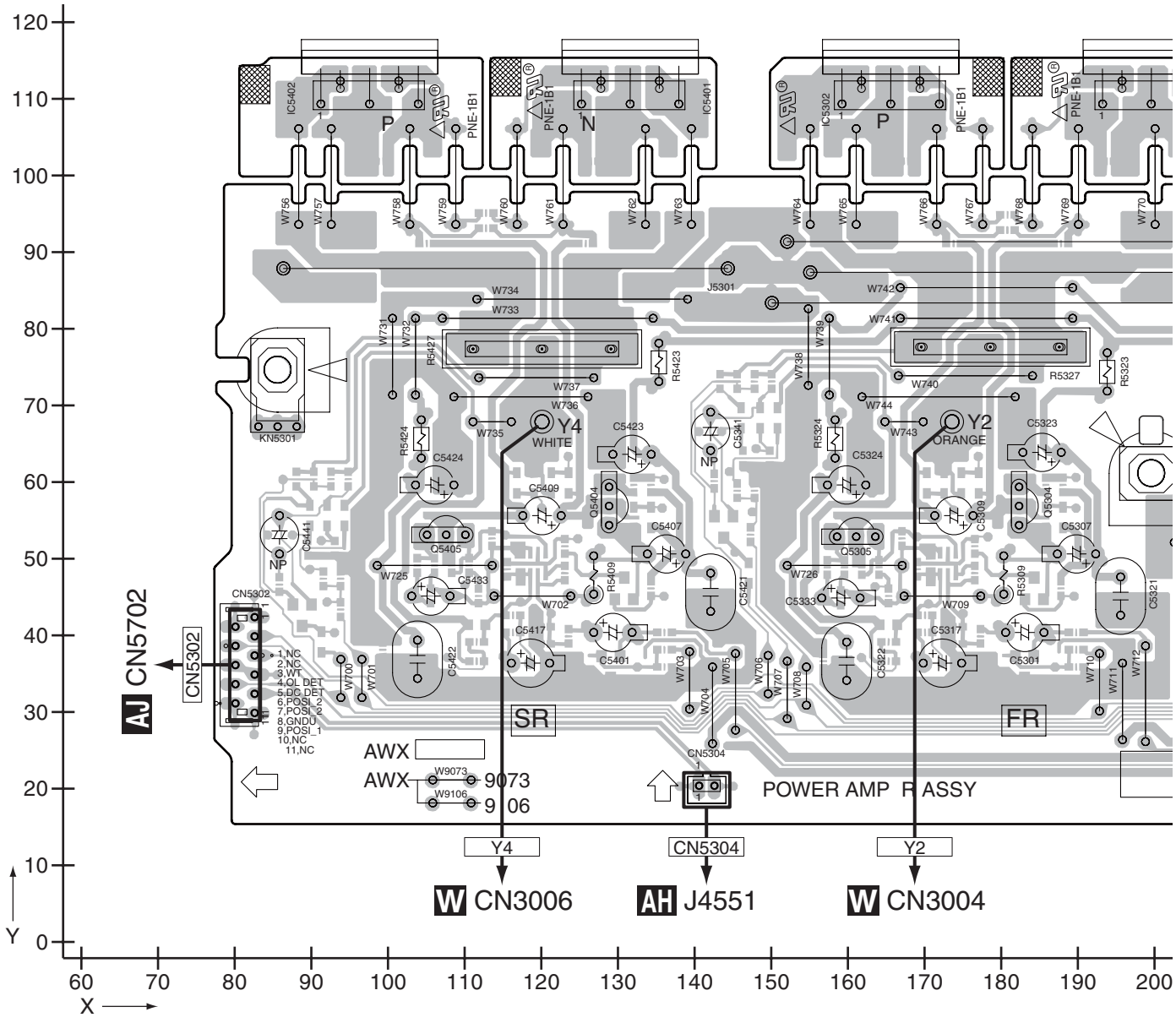
SIDE B


CN5004
Y1
Y3
LF
9072 AWX
9072 AWX
POWER AMP L ASSY
1,NC
2,NC
3,GNDU
4,POSI_1
5,POSI_2
6,DC DET
7,OL DET
8,MT
9,NC
10,NC
11,NC
CN5002
(ANP7564-C)
230
220
210
200
190
180
170
160
150
140
130
120
110
Y
0 190 180 170 160 150 140 130 120 110 100 90 80 70 60
X

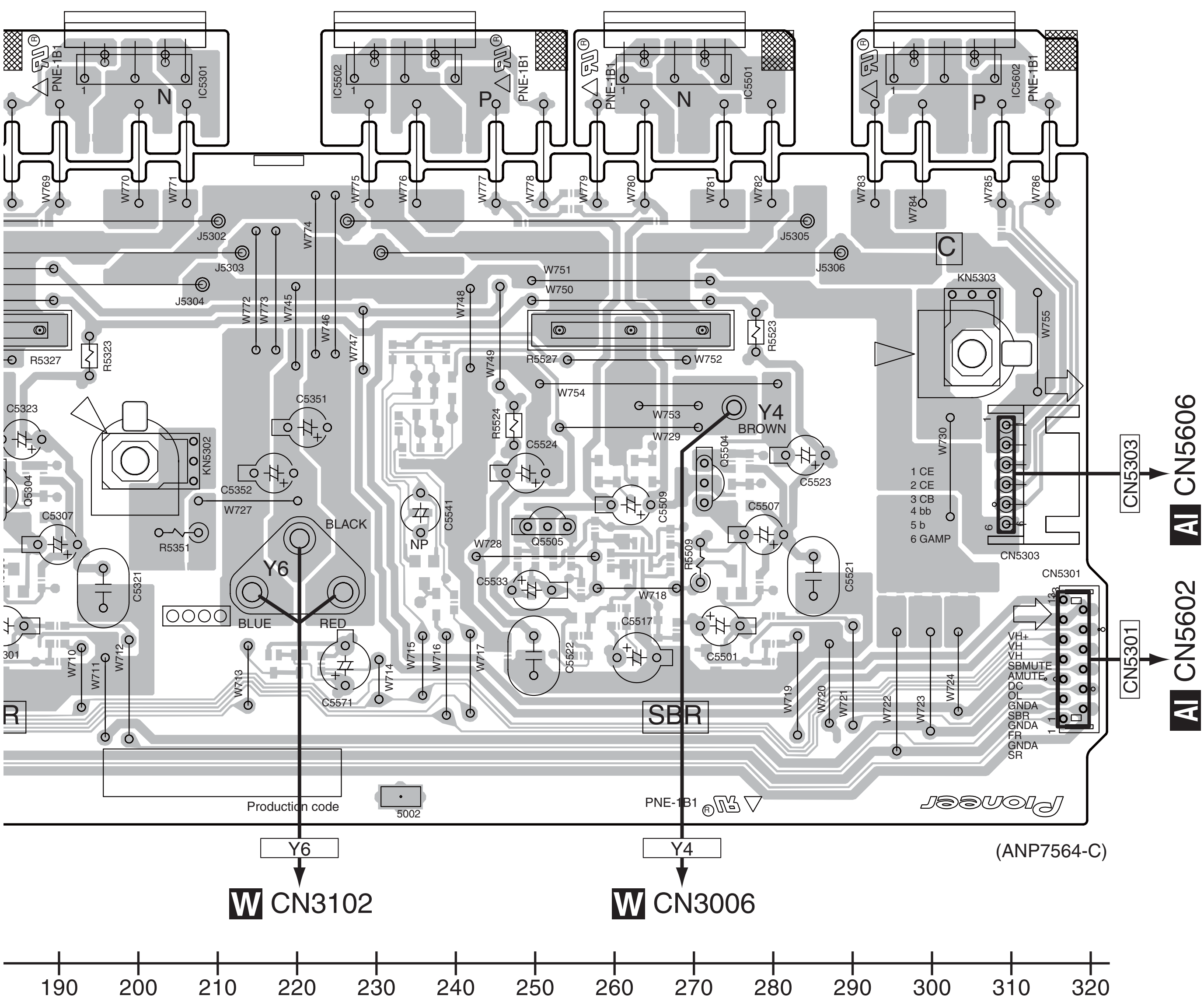
11.28 POWER AMP-R ASSY

SIDE A

AG POWER AMP-R ASSY

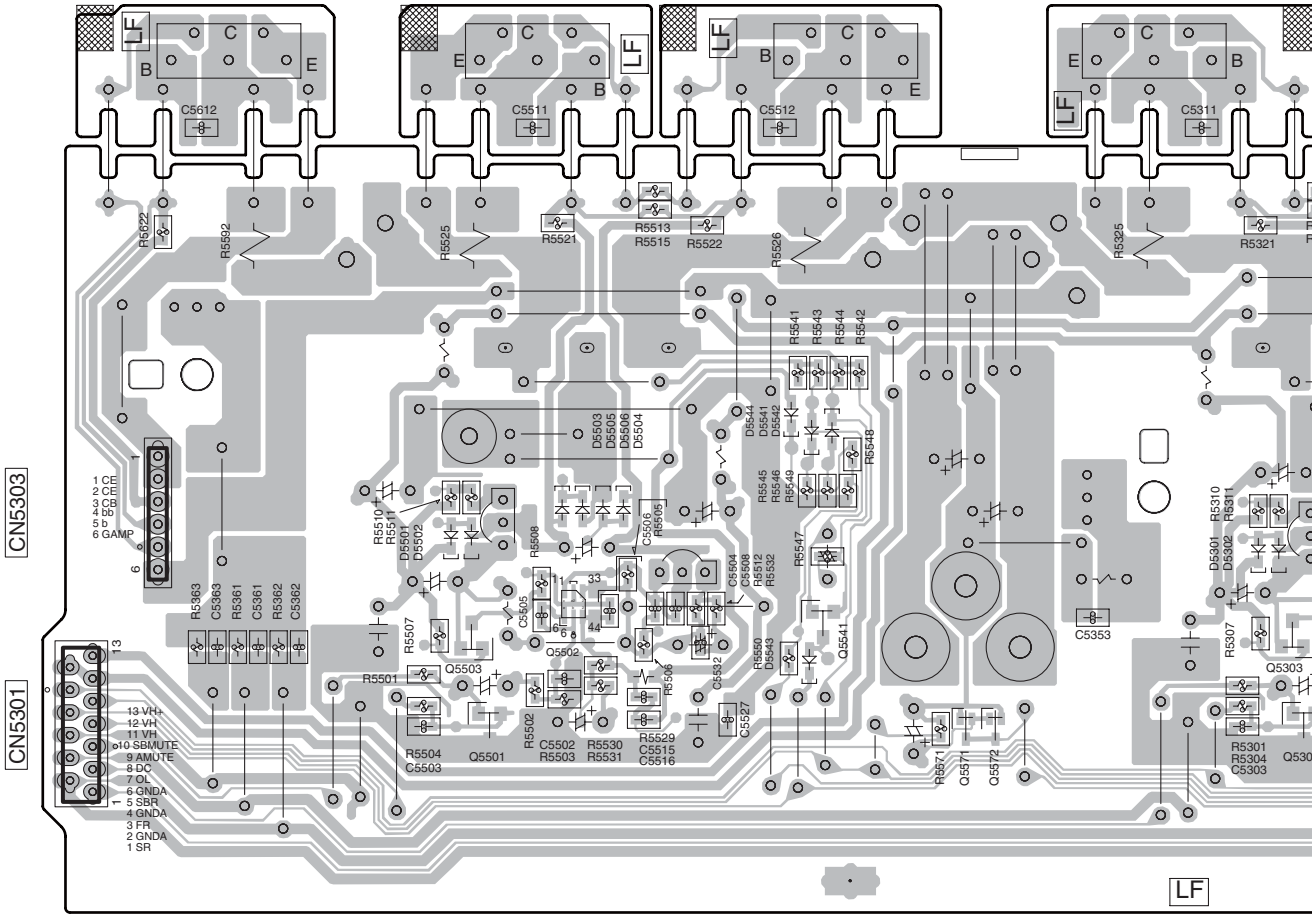


SIDE A

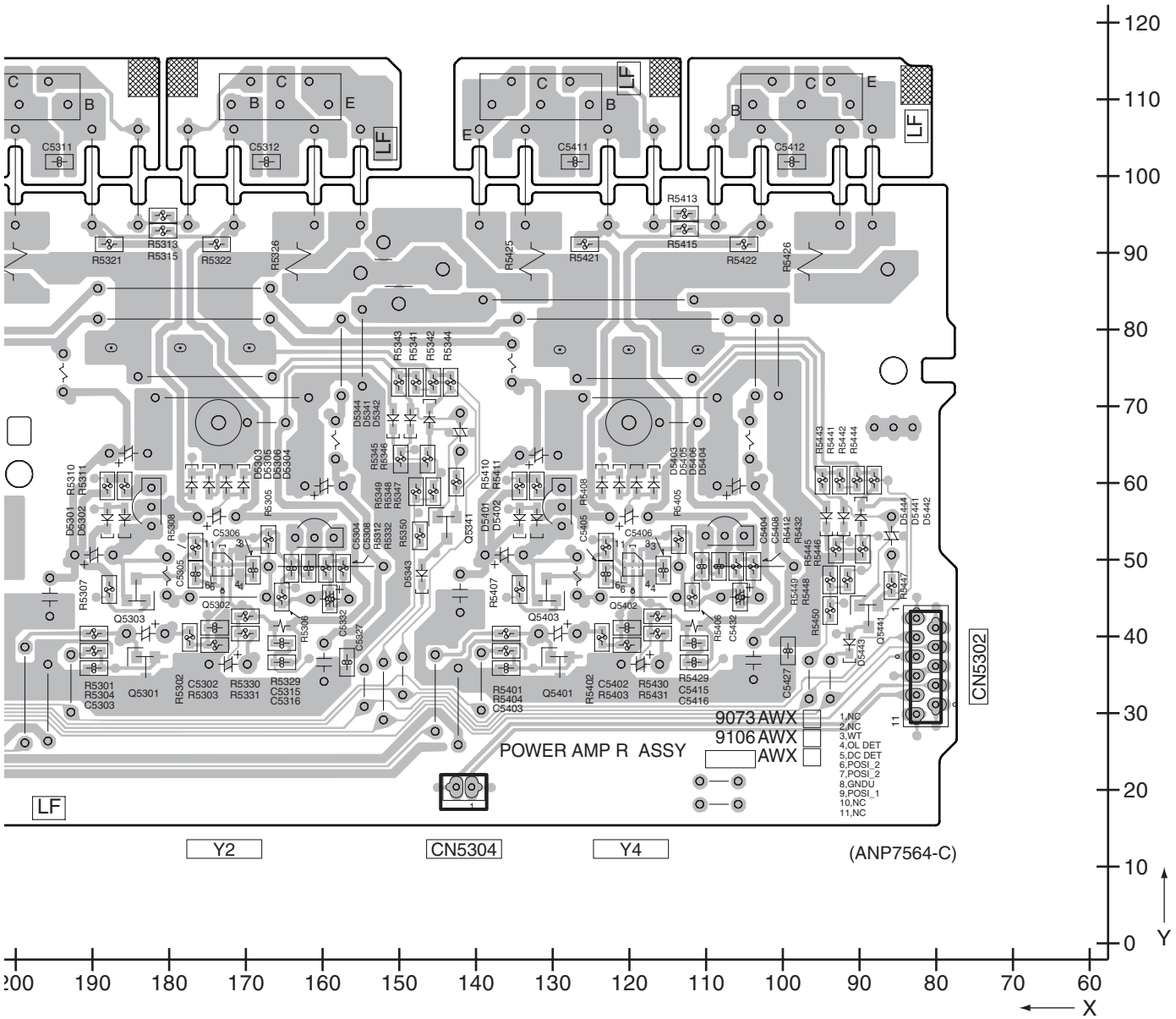

IC5301
IC5502
IC5501
IC5602
PNE-1B1
N
P
J5302
J5303
J5304
J5305
J5306
C
KN5303
KN5302
C5351
C5352
C5323
C5307
C5321
C5524
C5541
C5509
C5523
C5507
C5521
C5533
C5517
C5501
C5522
C5571
Q5304
Q5504
Q5505
R5327
R5323
R5351
R5527
R5523
R5524
R5509
Y4
BROWN
Y6
BLACK
BLUE
RED
NP
SBR
1 CE
2 CE
3 CB
4 bb
5 b
6 GAMP
CN5303
CN5301
VH+
VH
VH
SBMUTE
AMUTE
DC
OL
GNDA
SBR
GNDA
FR
GNDA
SR
CN5303
AI CN5606
CN5301
AI CN5602
Production code
5002
PNE-1B1
Pioneer
Y6
Y4
(ANP7564-C)
W CN3102
W CN3006
190 200 210 220 230 240 250 260 270 280 290 300 310 320

SIDE B

AG POWER AMP-R ASSY



SIDE B

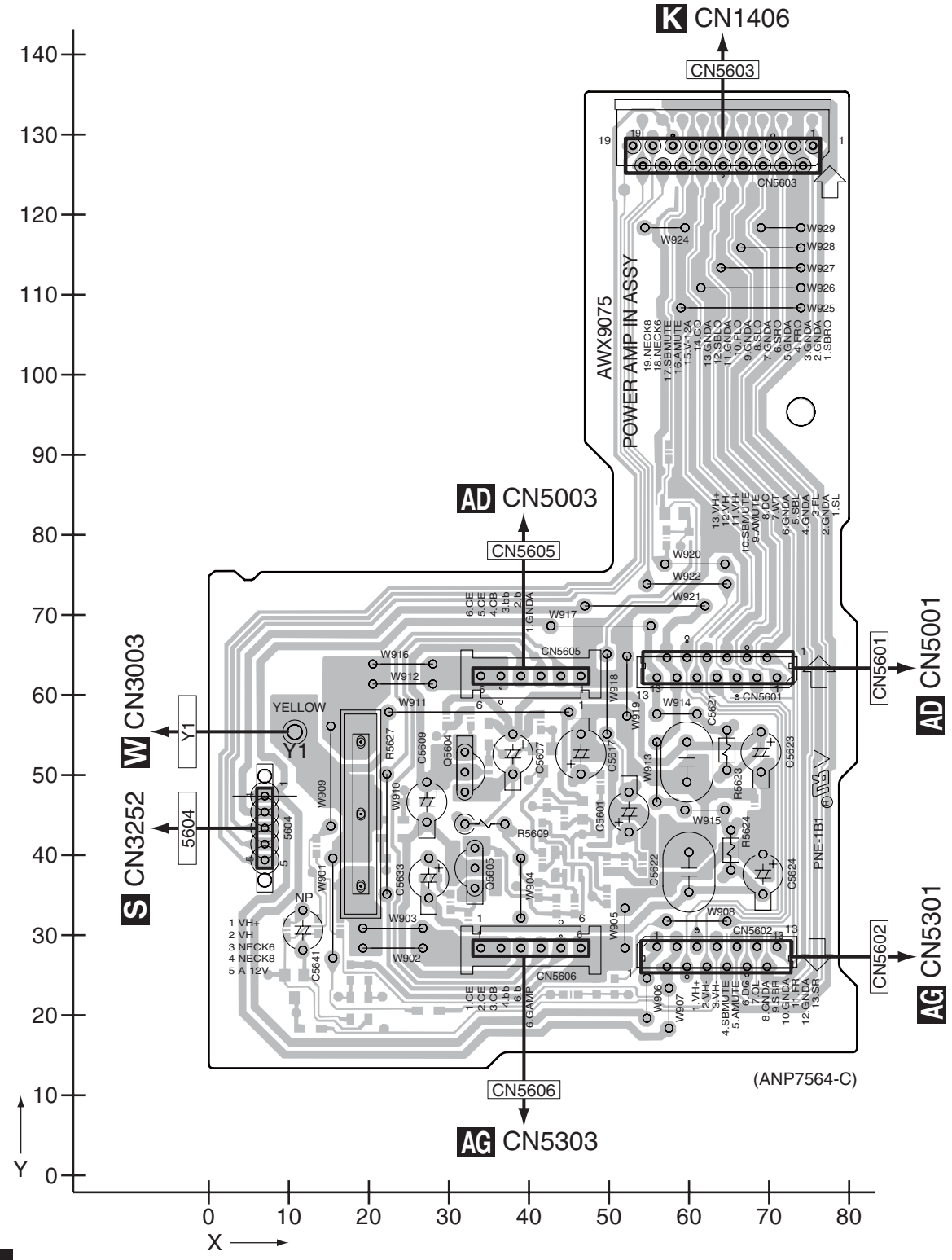

LF
C5311
C5312
C5411
C5412
R5321
R5313
R5315
R5322
R5326
R5425
R5421
R5413
R5415
R5422
R5426
R5343
R5341
R5342
R5344
D5344
D5341
D5342
R5345
R5346
R5349
R5348
R5347
R5410
R5411
D5401
D5402
Q5341
D5403
D5405
D5406
D5404
R5443
R5441
R5442
R5444
D5443
D5441
D5442
R5447
R5310
R5311
D5301
D5302
D5303
D5305
D5306
D5304
R5305
R5308
C5306
C5305
C5304
C5308
R5312
R5332
R5350
D6348
R5307
Q5302
Q5303
R5306
C5332
C5327
R5301
R5304
C5303
Q5301
R5302
C5302
R5303
R5330
R5331
R5329
C5315
C5316
R5407
Q5403
R5401
R5404
C5403
Q5401
R5402
C5402
R5403
R5430
R5431
R5408
C5405
C5406
Q5402
R5405
R5406
C5432
R5429
C5415
C5416
C5404
C5408
R5412
R5432
R5445
R5446
R5449
R5448
R5450
C5427
Q5441
D5443
CN5302
9073AWX
9106AWX
AWX
1,NC
2,NC
3,WT
4,OL DET
5,DC DET
6,POSI_2
7,POSI_2
8,GNDU
9,POSI_1
10,NC
11,NC
POWER AMP R ASSY
LF
Y2
CN5304
Y4
(ANP7564-C)
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
X

11.29 POWER AMP IN ASSY

SIDE A

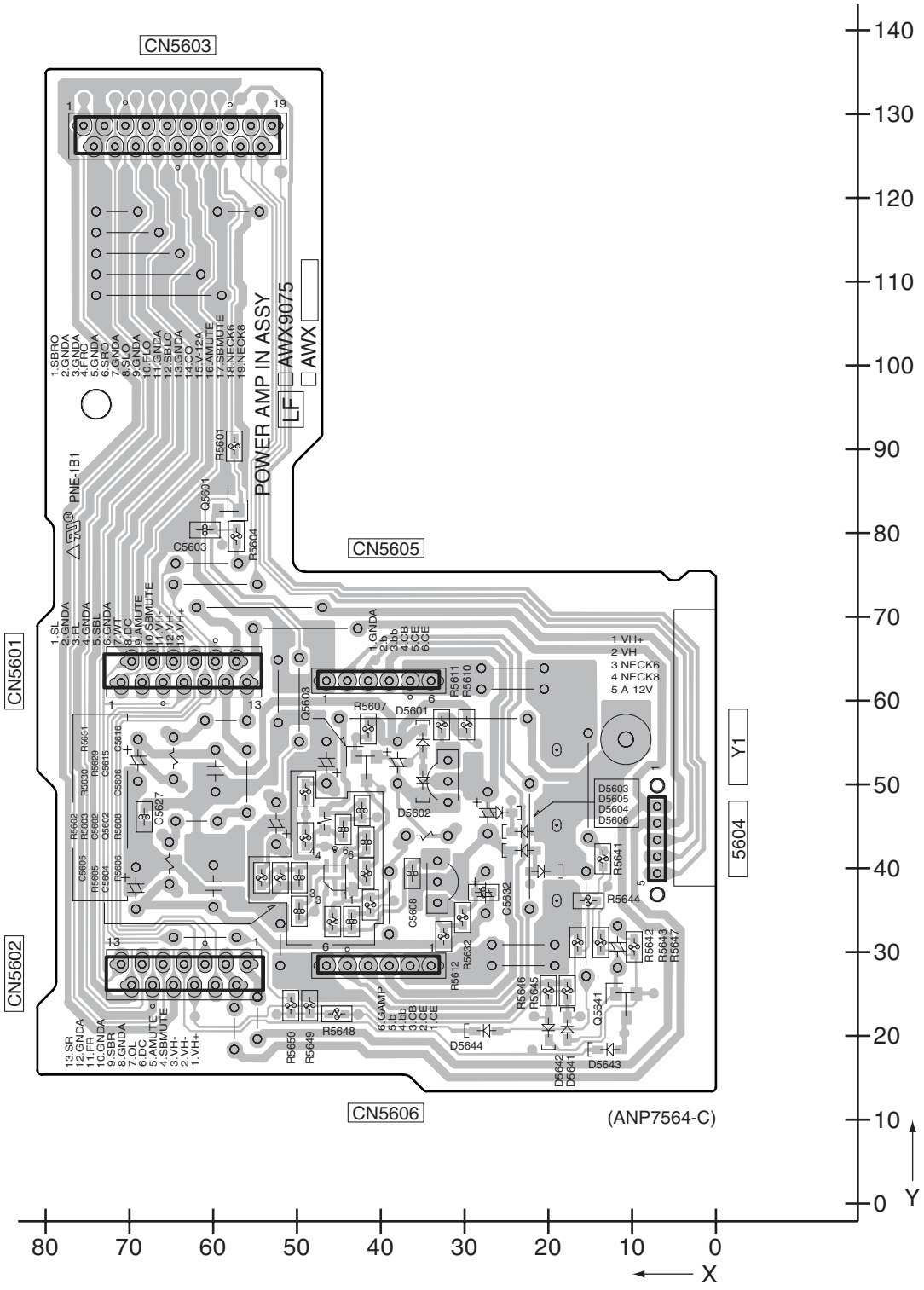
SIDE A

AI POWER AMP IN ASSY



SIDE B

AI POWER AMP IN ASSY

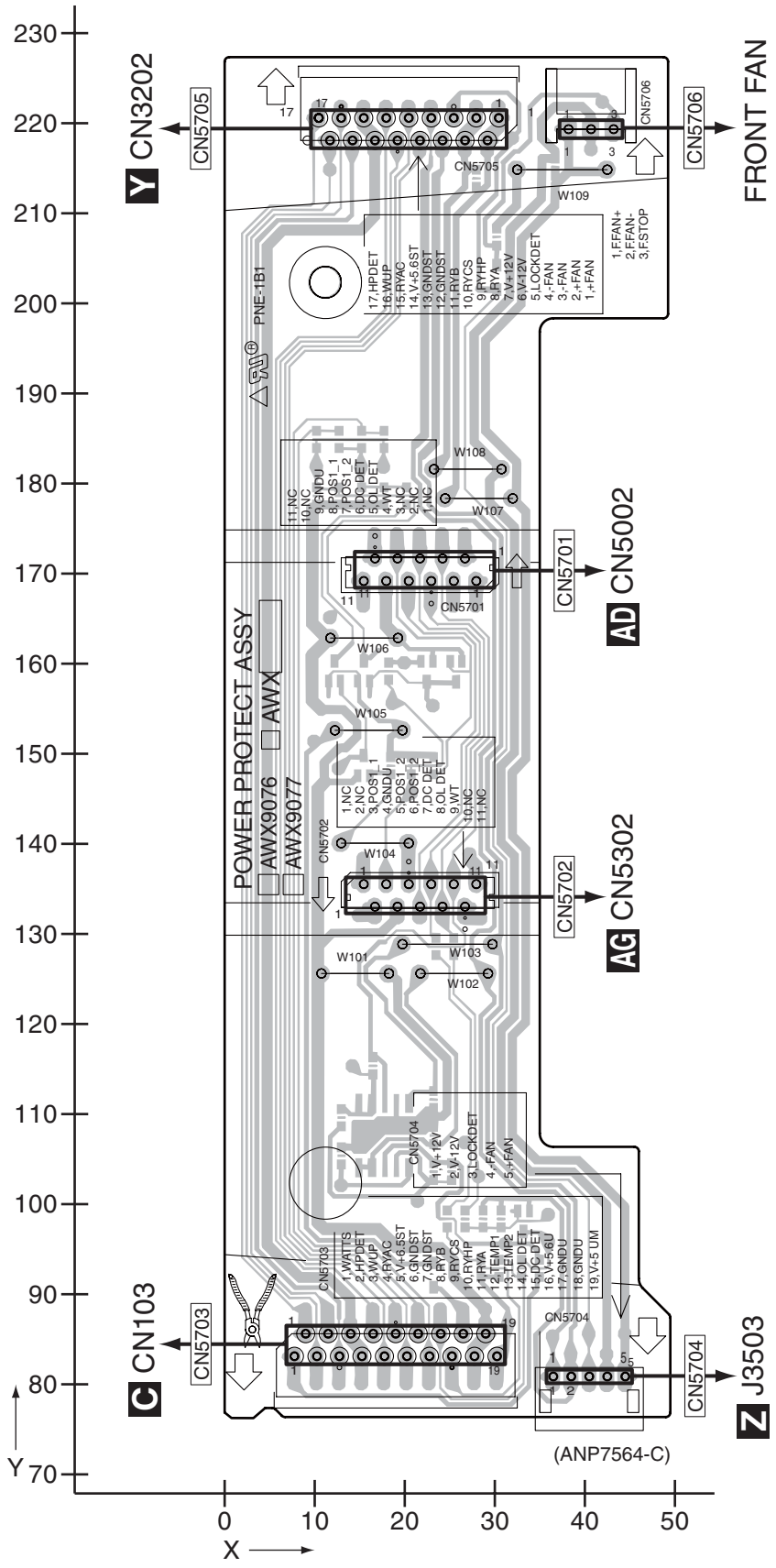


11.30 POWER PROTECT ASSY

SIDE A

SIDE A

AJ POWER PROTECT ASSY

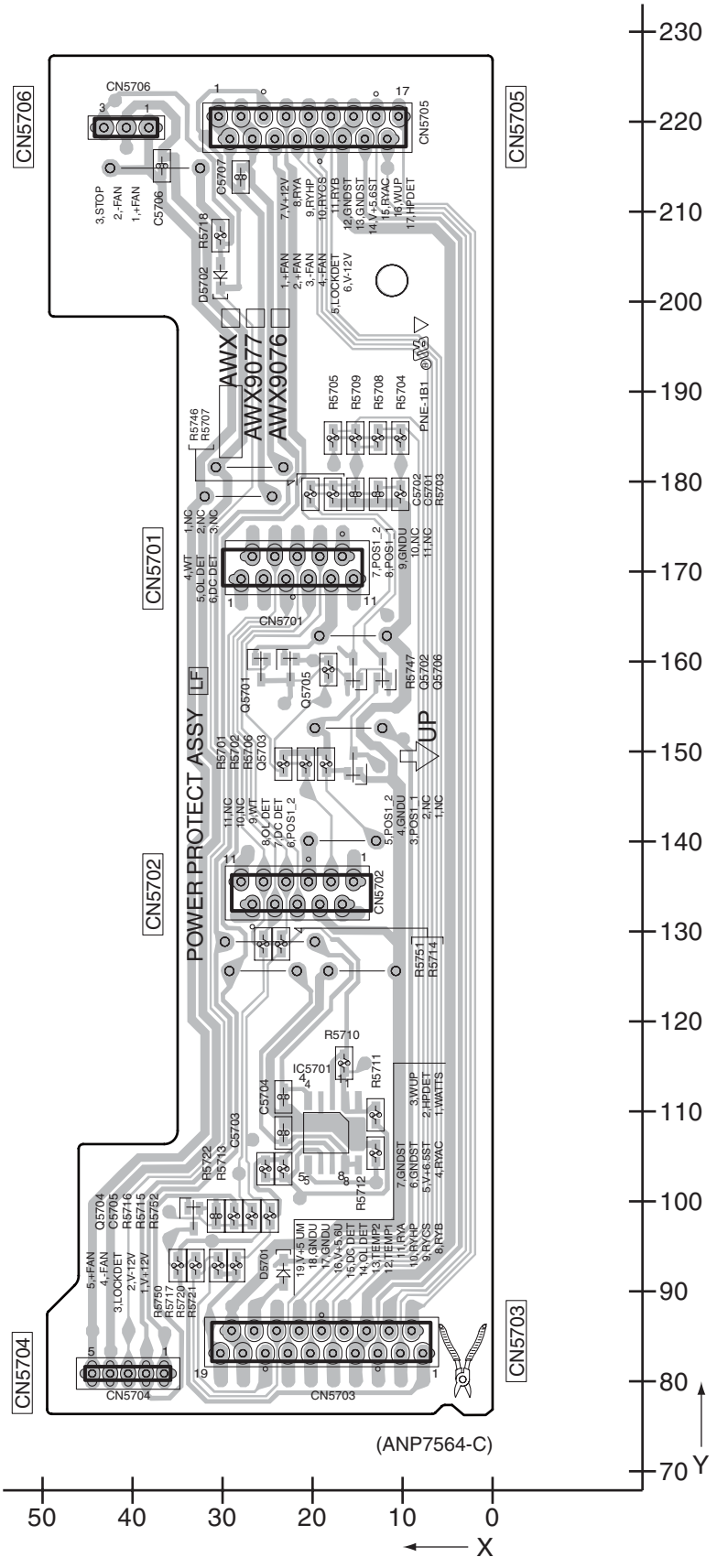


AJ

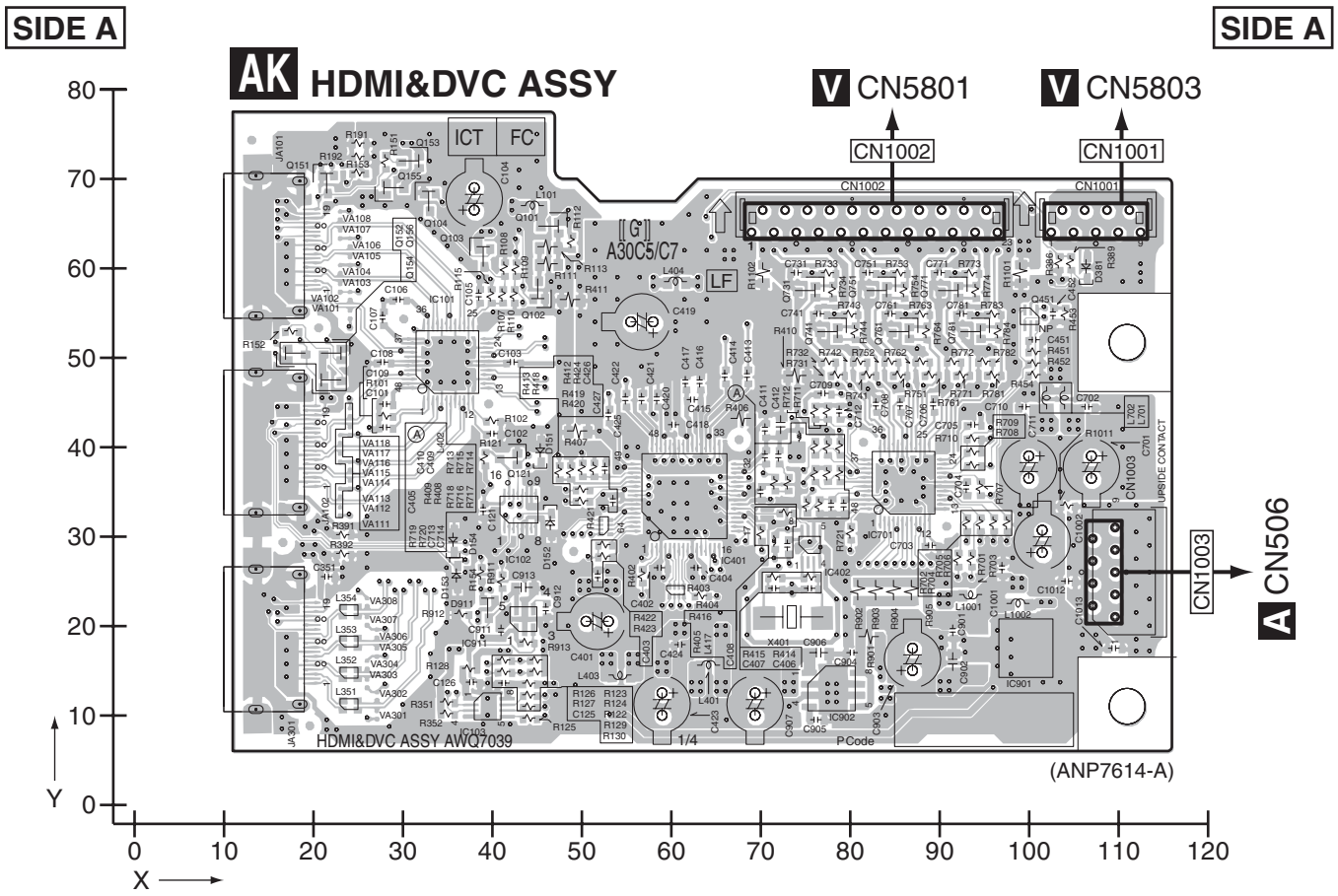
AJ

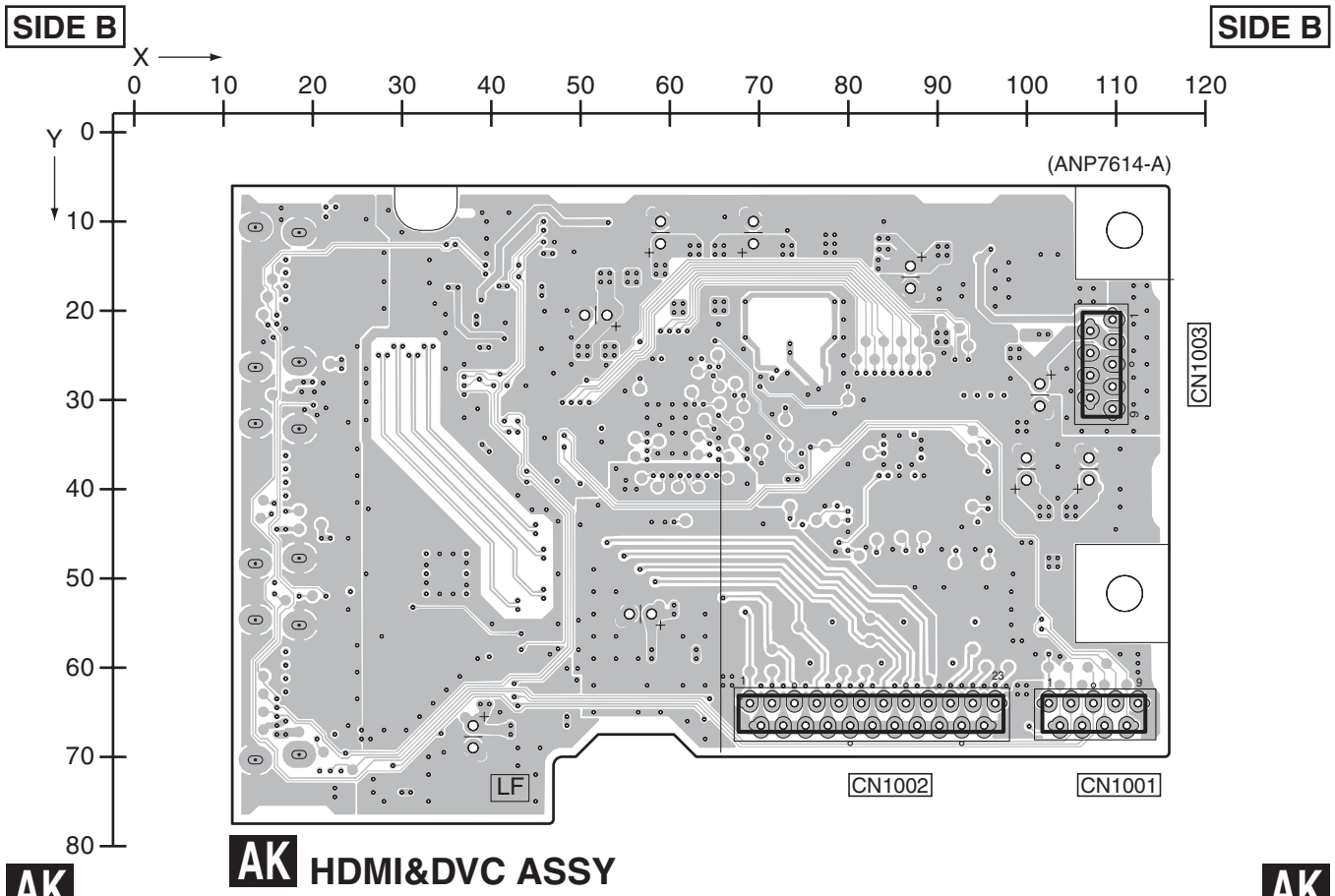
SIDE B

AJ POWER PROTECT ASSY



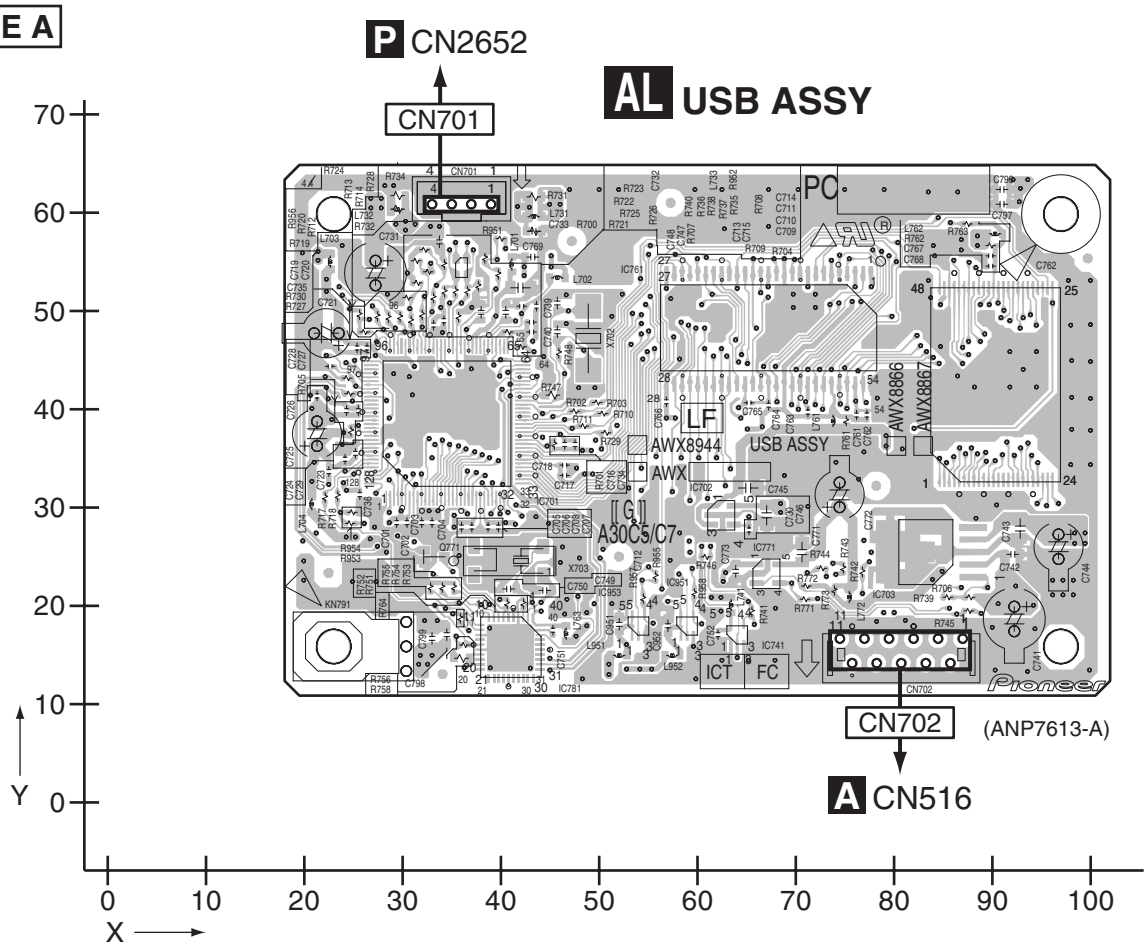
11.31 HDMI & DVC ASSY





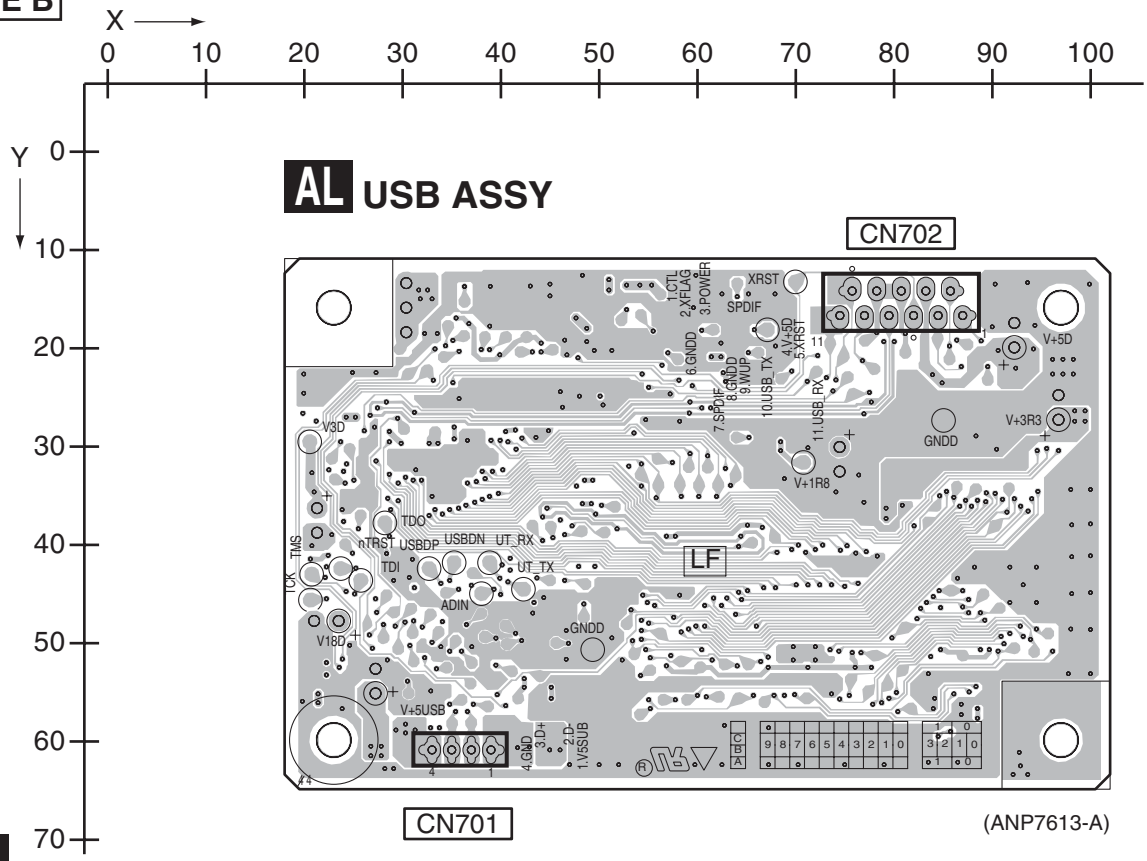
11.32 USB ASSY (VSX-1017AV ONLY)

SIDE A



SIDE A

SIDE B



SIDE B

AL

AL

12. PCB 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 WHOLE PCB ASSEMBLIES

Mark	Symbol and Description	VSX-1017AV-K/ HYXJ5	VSX-1017AV-S/ HYXJ5	VSX-1017TXV-K/ KUXJ	VSX-90TXV/ KUXJ/CA
NSP	1..MAIN ASSY	AWK7980	AWK7980	AWK7978	AWK7979
	2..MAIN CONTROL ASSY	AWX8829	AWX8829	AWX8827	AWX8828
	2..AUDIO IN ASSY	AWX8834	AWX8834	AWX8832	AWX8833
	2..12V-REG ASSY	AWX8824	AWX8824	AWX8824	AWX8824
	2..GUARD-C ASSY	AWX8839	AWX8839	AWX8839	AWX8839
	2..GUARD-F ASSY	AWX8838	AWX8838	AWX8838	AWX8838
	2..GUARD-R ASSY	AWX8840	AWX8840	AWX8840	AWX8840
	1..DSP ASSY	AWX8806	AWX8806	AWX8805	AWX8805
NSP	1..VIDEO ASSY	AWK7988	AWK7988	AWK7986	AWK7987
	2..COMPOSITE ASSY	AWX8854	AWX8854	AWX8852	AWX8853
	2..S-VIDEO ASSY	AWX8858	AWX8858	AWX8856	AWX8857
	2..COMPONENT ASSY	AWX8862	AWX8862	AWX8860	AWX8860
	2..BRIDGE 2 ASSY	AWX8850	AWX8850	AWX8850	AWX8850
NSP	1..COMPLEX ASSY	AWK8021	AWK8020	AWK8018	AWK8019
	2..PRIMARY ASSY	AWX9086	AWX9086	AWX9085	AWX9085
	2..TRANS 1 ASSY	AWX9038	AWX9038	AWX9038	AWX9038
	2..DISPLAY ASSY	AWX8878	AWX8878	AWX8876	AWX8877
	2..VOLUME ASSY	AWX9044	AWX9111	AWX9044	AWX9044
	2..MULTI JOG ASSY	AWX8881	AWX8882	AWX8881	AWX8881
	2..FRONT-IN ASSY	AWX8955	AWX8955	AWX8954	AWX8954
	2..HEADPHONE ASSY	AWX9049	AWX9049	AWX9049	AWX9049
NSP	1..SECONDARY ASSY	AWK7997	AWK7997	AWK7995	AWK7996
	2..PS/SP ASSY	AWX9108	AWX9108	AWX9054	AWX9054
	2..TRANS SIDE ASSY	AWX9056	AWX9056	AWX9056	AWX9056
	2..TRANS 2-1 ASSY	AWX9059	AWX9059	AWX9058	AWX9058
	2..DIODE 1 ASSY	AWX9060	AWX9060	AWX9060	AWX9060
	2..VH TR ASSY	AWX9061	AWX9061	AWX9061	AWX9061
	2..TRANS 2-2 ASSY	AWX9062	AWX9062	AWX9062	AWX9062
	2..LOCAL P-SUPPLY ASSY	AWX9064	AWX9064	AWX9063	AWX9063
	2..IR I/O ASSY	AWX9067	AWX9067	AWX9101	AWX9066
	2..VIDEO CONNECT ASSY	AWX9069	AWX9069	AWX9069	AWX9069
	2..DC/DC ASSY	AWX9015	AWX9015	AWX9015	AWX9015
NSP	1..POWER AMP ASSY	AWK7922	AWK7922	AWK7921	AWK7921
	2..POWER AMP-L ASSY	AWX9072	AWX9072	AWX9071	AWX9071
	2..POWER AMP-R ASSY	AWX9073	AWX9073	AWX9106	AWX9106
	2..POWER AMP IN ASSY	AWX9075	AWX9075	AWX9075	AWX9075
	2..POWER PROTECT ASSY	AWX9077	AWX9077	AWX9076	AWX9076
	2..BRIDGE 1-L ASSY	AWX9079	AWX9079	AWX9079	AWX9079
	2..POSI 1-L ASSY	AWX9081	AWX9081	AWX9080	AWX9080
	2..POSI 2-L ASSY	AWX9082	AWX9082	Not used	Not used
	2..POSI 1-R ASSY	AWX9084	AWX9084	AWX9083	AWX9083
	1..HDMI & DVC ASSY	AWQ7039	AWQ7039	AWQ7039	AWQ7039
	1..USB ASSY	AWX8866	AWX8866	Not used	Not used
	1..FM/AM TUNER UNIT	AXX7248	AXX7248	AXX7250	AXX7250

CONTRAST OF PCB ASSEMBLIES

A AUDIO IN ASSY

AWX8834, AWX8832 and AWX8833 are constructed the same except for the following:

Mark	Symbol and Description	AWX8834	AWX8832	AWX8833
	IC663	Not used	Not used	NJM78M12FA
	D671	Not used	Not used	RB501V-40-TRB
	C501, C502, C505-C510, C513-C518	CCSRCH101J50	Not used	Not used
	C521-C526, C541-C544, C549-C552	CCSRCH101J50	Not used	Not used
	C527, C528, C531-C536, C539	CCSRCH151J50	Not used	Not used
	C540, C547, C548	CCSRCH151J50	Not used	Not used
	C503, C504, C511, C512, C519, C520	CCSRCH221J50	Not used	Not used
	C678	Not used	Not used	CKSRYB103K50
	C679	Not used	Not used	CEAT100M50-TS
	CN516 11P Plug	XKP3065	Not used	Not used

C MAIN CONTROL ASSY

AWX8829, AWX8827 and AWX8828 are constructed the same except for the following:

Mark	Symbol and Description	AWX8829	AWX8827	AWX8828
	IC251	LC72725KM	Not used	Not used
	IC252	Not used	TC74VHC125FTS1	TC74VHC125FTS1
	Q103	Not used	Not used	RT1P241M-TLB
	Q113	Not used	RT1N241M	RT1N241M
	C251	CEAT100M50-TS	Not used	Not used
	C253	CCSRCH561J50	Not used	Not used
	C254	CEAT101M10-TS	Not used	Not used
	C255	CKSRYB102K50	Not used	Not used
	C256, C257	CCSRCH270J50	Not used	Not used
	C260	CKSRYB472K50	Not used	Not used
	C498	Not used	CKSRYB104K16	CKSRYB104K16
	R102	Not used	Not used	RS1/16S473J
	R104	Not used	RS1/16S473J	RS1/16S473J
	R122, R266	Not used	RS1/16S472J	RS1/16S472J
	R126, R127	Not used	RS1/16S101J	RS1/16S101J
	R223	Not used	Not used	RS1/16S103J
	R251	RS1/16S473J	Not used	Not used
	R252-R254	RS1/16S102J	Not used	Not used
	R255	RS1/16S0R0J	Not used	Not used
	R260-R263	Not used	RS1/16S221J	RS1/16S221J
	R264, R265	Not used	RS1/16S104J	RS1/16S104J
	R268	Not used	RS1/16S274J	RS1/16S274J
	R383, R384	Not used	Not used	RS1/16S0R0J
	R408, R409, R411, R412, R414, R416	RS1/16S0R0J	Not used	Not used
	R420, R421	Not used	RS1/16S0R0J	RS1/16S0R0J
	CN305 12P Connector	Not used	VKN1243	VKN1243
	CN311 Plug(5p)	Not used	KM200NA5	KM200NA5
	X251 Crystal Resonator	ASS7004	Not used	Not used

G DSP ASSY

AWX8806 and AWX8805 are constructed the same except for the following:

Mark	Symbol and Description	AWX8806	AWX8805
	IC401	Not used	F2621E-01-TBB
	IC402	Not used	AAT4618IGV-0.5-1-TLB
	IC951	Not used	TC74VHCT08AFTS1-TBB
	IC953	Not used	TC74VHC08FTS1-TBB
	D401, D402	Not used	UDZS5R6(B)-TRB
	L402	Not used	ATL7002
	L951, L953	Not used	QTL1013

Mark	Symbol and Description	AWX8806	AWX8805
	C402, C952	Not used	CKSSYB104K10
	C403	Not used	CKSSYB471K50
	C404-C406, C408, C956	Not used	CKSRYB104K16
	C407	Not used	CEVW101M16-TRB
	C409, C410	Not used	CCSSCH9R0D50
	C413	Not used	CKSRYB105K16
	C911	CEVW101M16-TRB	Not used
	R576, R981, R982	RS1/16SS0R0J	Not used
	R404, R406, R428, R563, R978, R980	Not used	RS1/16S101J
	R405, R407	Not used	RS1/16S102J
	R430	Not used	RS1/16S103J
	R417, R419, R420	Not used	RS1/16S223J
	R433, R435, R436	Not used	RS1/16SS0R0J
	R423-R427, R429, R566, R567, R570, R979	Not used	RS1/16SS101J
	R963, R965	Not used	RS1/16SS104J
	R411	Not used	RS1/16SS105J
	R414, R415, R421, R432	Not used	RS1/16SS223J
	R966, R971, R973	Not used	RS1/16SS331J
	R410	Not used	RS1/16SS471J
	R418	Not used	RAB4CQ101J
	R964	Not used	RAB4CQ104J
	CN953 12P Connector	Not used	VKN1243
	CN401 4P Socket	Not used	AKP7201
	X401 Crystal Resonator	Not used	ASS7065
	JA501	AKB7131	AKB7173

H COMPOSITE ASSY

AWX8854, AWX8852 and AWX8853 are constructed the same except for the following:

Mark	Symbol and Description	AWX8854	AWX8852	AWX8853
	IC1002 Logic Ic	Not used	Not used	TC74HC4051AFT-TBB
	IC1151 2ch E-vol	Not used	Not used	M61545FP-TBB
	Q1151 Transistor	Not used	Not used	IMX25
	D1006 Diode	Not used	Not used	DAN202U-TLB
	D1007 Diode	Not used	Not used	1SS355-TRB
	D1112 Diode	Not used	Not used	DAN217U-TLB
	C1003, C1004, C1163 Capacitor	Not used	Not used	CKSRYB104K16
	C1015 Capacitor	Not used	Not used	CEAT101M10
	C1023 Capacitor	Not used	Not used	CCSRCH181J50
	C1101-C1104 Capacitor	CCSRCH101J50	Not used	Not used
	C1151-C1154 Capacitor	Not used	Not used	CEAT2R2M50
	C1155, C1156, C1161, C1162 Capacitor	Not used	Not used	CCSRCH101J50
	C1157, C1158 Capacitor	Not used	Not used	CCSRCH331J50
	C1159 Capacitor	Not used	Not used	CKSRYB104K50
	C1160 Capacitor	Not used	Not used	CEAT100M50
	C1164 Capacitor	Not used	Not used	CKSRYB103K50
	R1005 Resistor	Not used	Not used	RS1/16S750J
	R1151, R1152 Resistor	Not used	Not used	RS1/16S104J
	R1153, R1154 Resistor	Not used	Not used	RS1/16S202J
	R1155, R1156 Resistor	Not used	Not used	RS1/16S103J
	R1157, R1158 Resistor	Not used	Not used	RS1/16S101J
	R1159, R1160, R1164 Resistor	Not used	Not used	RS1/16S471J
	R1163 Resistor	Not used	Not used	RS1/16S473J
	JA1006 Pin Jack(1p)	AKB7175	Not used	Not used
	1004 Pin Jack(2p)	Not used	Not used	AKB7176
	1005 Pin Jack(2p)	Not used	Not used	AKB7181

I S-VIDEO ASSY

AWX8858, AWX8856 and AWX8857 are constructed the same except for the following:

Mark	Symbol and Description	AWX8858	AWX8856	AWX8857
	Q1351, Q1353	Not used	Not used	2SA1576A(RS)
	Q1352	Not used	Not used	RT1N241M
	D1351	Not used	Not used	UDZS5R1(B)
	D1601, D1602	Not used	UDZS5R1(B)	UDZS5R1(B)
	D1603-D1606	Not used	UDZS6R2(B)	UDZS6R2(B)
	L1351	Not used	Not used	ATL7002
	C1352	Not used	Not used	CKSRYB104K16
	C1353	Not used	Not used	CKSRYB103K50
	C1354	Not used	Not used	CKSRYB102K50
	C1355	Not used	Not used	CKSRYB472K50
	C1605	Not used	Not used	CEAT470M25
	C1605	Not used	CEAT470M25	Not used
	C1606	Not used	CEAT470M25	CEAT470M25
	R1351, R1352	Not used	Not used	RS1/16S180J
	R1353, R1354	Not used	Not used	RS1/16S103J
	R1355, R1356	Not used	Not used	RS1/16S472J
	R1601, R1602	Not used	RS1/16S474J	RS1/16S474J
	R1603, R1604	Not used	RS1/16S331J	RS1/16S331J
	R1624, R1629, R1630	Not used	RS1/16S0R0J	RS1/16S0R0J
	J1602 Connector Ass'y	Not used	PF05PG-Q15	PF05PG-Q15
	JA1351 Jack	Not used	Not used	RKN1004
	JA1601 Socket	Not used	BKP1127	BKP1127

K COMPONENT ASSY

AWX8862 and AWX8860 are constructed the same except for the following:

Mark	Symbol and Description	AWX8862	AWX8860
	C1501, C1502, C1521, C1522	CCSRCH101J50	Not used
	C1541, C1542, C1561, C1562	CCSRCH101J50	Not used
	C1507, C1508, C1527, C1528, C1569	CCSRCH271J50	Not used
	C1570-C1572	CCSRCH271J50	Not used

P FRONT_IN ASSY

AWX8955 and AWX8954 are constructed the same except for the following:

Mark	Symbol and Description	AWX8955	AWX8954
	L2752, L2753	VTL1169	Not used
	C2673	CKSRYB104K16	CKSRYB104K25
	C2753	CKSRYB104K16	Not used
	C2755	CEAT101M16-TS	Not used
	C2756	CKSRYB104K16	Not used
	C2757	CCSRCH471J50	Not used
	R2751, R2752	RS1/16S0R0J	Not used
	JA2751 USB Connector	XKP3086	Not used
	CN2652 Connector	B4B-PH-K-S	Not used

Q PRIMARY ASSY

AWX9086 and AWX9085 are constructed the same except for the following:

Mark	Symbol and Description	AWX9086	AWX9085
⚠	T2001	ATT7040	ATT7043
⚠	RY2001	ASR7013	ASR7022
⚠	R2001	Not used	RCN1080
	R2002	RD1/4MUF101J	RD1/4MUF220J
⚠	2001 AC Socket 1-P	Not used	AKP1033

W PS/SP ASSY

AWX9108 and AWX9054 are constructed the same except for the following:

Mark	Symbol and Description	AWX9108	AWX9054
	C3101, C3102	ACH7255	ACH7258
	CN3002 Speaker Terminal 6-p	AKE7108	AKE7107
	CN3001 Speaker Terminal 8-p	AKE7119	AKE7118

AB IR I/O ASSY

AWX9067, AWX9101 and AWX9066 are constructed the same except for the following:

Mark	Symbol and Description	AWX9067	AWX9101	AWX9066
	D3702	Not used	Not used	1SS355-TRB
	L3701, L3703	Not used	Not used	CTF1473
	L3702	Not used	Not used	QTL1013
	L3704	Not used	Not used	CTF1385
	C3758	Not used	Not used	CKSRYB103K50
	R3701	Not used	Not used	RS1/16S0R0J
	R3702	Not used	Not used	RS1/16S102J
	R3703, R3755	RS1/16S0R0J	Not used	Not used
	JA3701 Connector	Not used	Not used	CKS4124
	JA3702 Jack	Not used	Not used	RKN1004

PCB PARTS LIST FOR VSX-1017AV-K/HYXJ5 UNLESS OTHER WISE NOTED

Mark	No.	Description	Part No.
MAIN ASSY (AWK7980)			
MISCELLANEOUS			
J	663	JUMPER WIRE	D20PDD0605E
A AUDIO IN ASSY			
MISCELLANEOUS			
IC	501 (A,262,69)	8CH E-VOL	R2S15205FP
IC	701 (A,205,68)	OP-AMP IC	BA4560RF
IC	702 (A,220,73)	OP-AMP IC	BA4560RF
IC	703 (A,220,56)	IC	TC4066BFT
IC	741 (A,177,68)	OP-AMP IC	BA4560RF
IC	761 (A,191,68)	OP-AMP IC	BA4560RF
IC	781 (A,163,68)	OP-AMP IC	BA4560RF
IC	801 (A,264,170)	OP-AMP IC	UPC4570G2
IC	821 (A,264,139)	OP-AMP IC	UPC4570G2
IC	841 (A,264,155)	OP-AMP IC	UPC4570G2
IC	861 (A,264,123)	OP-AMP IC	UPC4570G2
⚠ Q	661 (A,136,78)	TRANSISTOR	2SD1858X
⚠ Q	662 (A,136,90)	TRANSISTOR	2SB1238X
Q	701 (A,224,50)	TRANSISTOR	UMD2N
D	591 (B,231,52)	DIODE	DAN217U
⚠ D	661 (B,39,52)	DIODE	1SR154-400
⚠ D	662 (B,34,52)	DIODE	1SR154-400
⚠ D	663 (B,25,52)	DIODE	1SR154-400
⚠ D	664 (B,30,52)	DIODE	1SR154-400
D	669 (B,127,75)	DIODE	UDZS7R5(B)
D	670 (B,127,87)	DIODE	UDZS7R5(B)
J	662 (A,85,59)	3P HOUSING WIRE ASSY	ADX7509
CN	501 (A,258,24)	19P PLUG	XKP3069
CN	506 (A,180,18)	CONNECTOR	CKS3374
CN	509 (A,234,48)	23P PLUG	XKP3071
CN	510 (A,291,24)	13P PLUG	XKP3066
CN	511 (A,131,47)	PLUG	CKS1724
CN	514 (A,220,24)	19P PLUG	XKP3069
CN	515 (A,98,48)	19P PLUG	XKP3069
CN	516 (A,39,24)	11P PLUG	XKP3065
CN	520 (A,282,208)	17P SOCKET	XKP3079
CN	521 (A,317,60)	PIN JACK(4P)	AKB7172
CN	522 (A,317,88)	PIN JACK(4P)	AKB7172
CN	524 (A,317,158)	PIN JACK(4P)	AKB7172
CN	525 (A,317,186)	PIN JACK(4P)	AKB7172
CN	526 (A,317,214)	PIN JACK(4P)	AKB7172
CN	661 (A,26,62)	L-PLUG(10P)	KM200NA10L
Y	661	AWG14 BOARD IN	ADX7511
	523 (A,317,123)	PIN JACK(6P)	AKB7182
	501 (A,150,71)	PCB BINDER	VEF1040
	664 (A,46,67)	6P CABLE HOLDER	51048-0600
RESISTORS			
R	501 (B,303,54)		RS1/16S331J
R	502 (B,302,43)		RS1/16S331J
R	503 (B,302,71)		RS1/16S222J
R	504 (B,302,64)		RS1/16S222J
R	505 (B,302,84)		RS1/16S331J
R	506 (B,302,77)		RS1/16S331J
R	507 (B,302,97)		RS1/16S331J
R	508 (B,302,91)		RS1/16S331J
R	509 (B,302,110)		RS1/16S331J
R	510 (B,302,103)		RS1/16S331J
R	511 (B,302,128)		RS1/16S222J
R	512 (B,302,118)		RS1/16S222J
R	513 (B,302,142)		RS1/16S331J
R	514 (B,302,135)		RS1/16S331J
R	515 (B,302,209)		RS1/16S331J
R	516 (B,302,202)		RS1/16S331J
R	517 (B,302,222)		RS1/16S331J
R	518 (B,302,216)		RS1/16S331J
R	519 (B,302,155)		RS1/16S222J
R	520 (B,302,148)		RS1/16S222J
R	521 (B,302,168)		RS1/16S331J
R	522 (B,302,161)		RS1/16S331J
R	523 (B,302,182)		RS1/16S331J
R	524 (B,302,176)		RS1/16S331J
R	525 (B,302,195)		RS1/16S331J
R	526 (B,302,189)		RS1/16S331J
R	527 (B,309,56)		RS1/16S474J
R	528 (B,309,51)		RS1/16S474J
R	529 (B,309,69)		RS1/16S474J
R	530 (B,309,64)		RS1/16S474J
R	531 (B,309,84)		RS1/16S474J
R	532 (B,309,79)		RS1/16S474J
R	533 (B,309,97)		RS1/16S474J
R	534 (B,309,92)		RS1/16S474J
R	535 (B,309,110)		RS1/16S474J
R	536 (B,309,107)		RS1/16S474J
R	537 (B,309,128)		RS1/16S474J
R	538 (B,309,118)		RS1/16S474J
R	539 (B,309,140)		RS1/16S474J
R	540 (B,309,134)		RS1/16S474J
R	541 (B,309,210)		RS1/16S474J
R	542 (B,309,205)		RS1/16S474J
R	543 (B,309,223)		RS1/16S474J
R	544 (B,309,218)		RS1/16S474J
R	545 (B,309,154)		RS1/16S474J
R	546 (B,309,149)		RS1/16S474J
R	547 (B,309,167)		RS1/16S474J
R	548 (B,309,162)		RS1/16S474J
R	549 (B,309,182)		RS1/16S474J
R	550 (B,309,177)		RS1/16S474J
R	551 (B,309,195)		RS1/16S474J
R	552 (B,309,190)		RS1/16S474J
R	561 (A,246,87)		RS1/16S472J
R	562 (A,244,75)		RS1/16S472J
R	563 (A,244,58)		RS1/16S102J
R	564 (A,244,57)		RS1/16S102J
R	565 (B,268,42)		RS1/16S0R0J
R	566 (B,275,42)		RS1/16S0R0J
R	572 (B,234,53)		RS1/16S0R0J
R	602 (B,224,22)		RS1/16S0R0J
R	663 (B,133,76)		RS1/16S472J
R	664 (B,133,88)		RS1/16S472J
R	665 (B,133,72)		RS1/16S101J
R	666 (B,133,84)		RS1/16S101J
R	701 (A,203,61)		RS1/16S473J
R	702 (A,208,61)		RS1/16S473J

Mark	No.	Description	Part No.
R	703 (B,204,60)		RS1/16S392J
R	704 (B,207,60)		RS1/16S392J
R	705 (B,202,60)		RS1/16S392J
R	706 (B,209,60)		RS1/16S392J
R	707 (B,202,64)		RS1/16S392J
R	708 (B,209,64)		RS1/16S392J
R	709 (B,204,64)		RS1/16S392J
R	710 (B,207,64)		RS1/16S392J
R	711 (B,204,68)		RS1/16S332J
R	712 (B,207,68)		RS1/16S332J
R	713 (B,202,72)		RS1/16S680J
R	714 (B,209,72)		RS1/16S680J
R	715 (B,204,72)		RS1/16S474J
R	716 (B,207,72)		RS1/16S474J
R	719 (B,223,80)		RS1/16S0R0J
R	720 (B,216,80)		RS1/16S0R0J
R	721 (B,223,77)		RS1/16S472J
R	722 (B,216,77)		RS1/16S472J
R	723 (A,226,70)		RS1/16S472J
R	724 (A,213,70)		RS1/16S472J
R	725 (A,226,74)		RS1/16S122J
R	726 (A,213,74)		RS1/16S122J
R	727 (B,223,73)		RS1/16S392J
R	728 (B,216,73)		RS1/16S392J
R	731 (B,225,66)		RS1/16S101J
R	732 (B,214,66)		RS1/16S101J
R	733 (A,226,48)		RS1/16S473J
R	741 (A,175,61)		RS1/16S473J
R	742 (A,180,61)		RS1/16S473J
R	743 (B,176,60)		RS1/16S332J
R	744 (B,179,60)		RS1/16S332J
R	745 (B,174,60)		RS1/16S332J
R	746 (B,181,60)		RS1/16S682J
R	747 (B,174,64)		RS1/16S332J
R	748 (B,181,64)		RS1/16S393J
R	749 (B,176,64)		RS1/16S332J
R	750 (B,179,64)		RS1/16S122J
R	751 (B,176,68)		RS1/16S182J
R	752 (B,179,68)		RS1/16S272J
R	753 (B,174,72)		RS1/16S0R0J
R	754 (B,181,72)		RS1/16S271J
R	757 (B,172,79)		RS1/16S101J
R	758 (B,183,79)		RS1/16S101J
R	761 (A,189,61)		RS1/16S473J
R	762 (A,194,61)		RS1/16S473J
R	763 (B,190,60)		RS1/16S332J
R	764 (B,193,60)		RS1/16S332J
R	765 (B,188,60)		RS1/16S332J
R	766 (B,195,60)		RS1/16S332J
R	767 (B,188,64)		RS1/16S332J
R	768 (B,195,64)		RS1/16S332J
R	769 (B,190,64)		RS1/16S332J
R	770 (B,193,64)		RS1/16S332J
R	771 (B,190,68)		RS1/16S182J
R	772 (B,193,68)		RS1/16S182J
R	773 (B,188,72)		RS1/16S0R0J
R	774 (B,195,72)		RS1/16S0R0J
R	777 (B,186,79)		RS1/16S101J
R	778 (B,197,79)		RS1/16S101J
R	781 (A,161,61)		RS1/16S473J
R	782 (A,166,61)		RS1/16S473J
R	783 (B,162,60)		RS1/16S332J
R	784 (B,165,60)		RS1/16S332J
R	785 (B,160,60)		RS1/16S332J
R	786 (B,167,60)		RS1/16S332J
R	787 (B,160,64)		RS1/16S332J
R	788 (B,167,64)		RS1/16S332J
R	789 (B,162,64)		RS1/16S332J
R	790 (B,165,64)		RS1/16S332J
R	791 (B,162,68)		RS1/16S182J
R	792 (B,165,68)		RS1/16S182J
R	793 (B,160,72)		RS1/16S0R0J
R	794 (B,167,72)		RS1/16S0R0J
R	797 (B,158,79)		RS1/16S101J
R	798 (B,169,79)		RS1/16S101J
R	801 (B,262,165)		RS1/16S223J
R	802 (B,262,176)		RS1/16S223J
R	805 (A,266,165)		RS1/16S682J
R	806 (A,266,175)		RS1/16S682J
R	807 (A,269,168)		RS1/16S271J
R	808 (A,269,173)		RS1/16S271J
R	811 (A,263,165)		RS1/16S153J
R	812 (A,263,175)		RS1/16S153J
R	815 (B,262,194)		RS1/16S104J
R	816 (B,262,186)		RS1/16S104J
R	821 (B,262,134)		RS1/16S223J
R	822 (B,262,144)		RS1/16S223J
R	825 (A,266,134)		RS1/16S682J
R	826 (A,266,144)		RS1/16S682J
R	827 (A,269,137)		RS1/16S271J
R	828 (A,269,142)		RS1/16S271J
R	831 (A,263,134)		RS1/16S153J
R	832 (A,263,144)		RS1/16S153J
R	835 (B,275,194)		RS1/16S104J
R	836 (B,275,186)		RS1/16S104J
R	841 (B,262,149)		RS1/16S223J
R	842 (B,262,160)		RS1/16S223J
R	845 (A,266,150)		RS1/16S682J
R	846 (A,266,160)		RS1/16S682J
R	847 (A,269,152)		RS1/16S271J
R	848 (A,269,157)		RS1/16S271J
R	851 (A,263,150)		RS1/16S153J
R	852 (A,263,160)		RS1/16S153J
R	855 (B,269,194)		RS1/16S104J
R	856 (B,269,186)		RS1/16S104J
R	861 (B,262,118)		RS1/16S223J
R	862 (B,262,129)		RS1/16S223J
R	865 (A,266,118)		RS1/16S682J
R	866 (A,266,128)		RS1/16S682J
R	867 (A,269,121)		RS1/16S271J
R	868 (A,269,126)		RS1/16S271J
R	871 (A,263,118)		RS1/16S153J
R	872 (A,263,128)		RS1/16S153J
R	875 (B,282,194)		RS1/16S104J
R	876 (B,282,186)		RS1/16S104J
R	883 (A,253,116)		RS1/16S0R0J

CAPACITORS

C	501 (B,307,56)		CCSRCH101J50

Mark	No.	Description	Part No.
C	502 (B,307,51)		CCSRCH101J50
C	503 (B,307,69)		CCSRCH221J50
C	504 (B,307,64)		CCSRCH221J50
C	505 (B,307,84)		CCSRCH101J50
C	506 (B,307,79)		CCSRCH101J50
C	507 (B,307,97)		CCSRCH101J50
C	508 (B,307,92)		CCSRCH101J50
C	509 (B,307,110)		CCSRCH101J50
C	510 (B,307,107)		CCSRCH101J50
C	511 (B,307,128)		CCSRCH221J50
C	512 (B,307,118)		CCSRCH221J50
C	513 (B,307,140)		CCSRCH101J50
C	514 (B,307,134)		CCSRCH101J50
C	515 (B,307,210)		CCSRCH101J50
C	516 (B,307,205)		CCSRCH101J50
C	517 (B,307,223)		CCSRCH101J50
C	518 (B,307,218)		CCSRCH101J50
C	519 (B,307,154)		CCSRCH221J50
C	520 (B,307,149)		CCSRCH221J50
C	521 (B,307,167)		CCSRCH101J50
C	522 (B,307,162)		CCSRCH101J50
C	523 (B,307,182)		CCSRCH101J50
C	524 (B,307,177)		CCSRCH101J50
C	525 (B,307,195)		CCSRCH101J50
C	526 (B,307,190)		CCSRCH101J50
C	527 (B,297,49)		CCSRCH151J50
C	528 (B,298,44)		CCSRCH151J50
C	531 (B,297,83)		CCSRCH151J50
C	532 (B,298,79)		CCSRCH151J50
C	533 (B,297,96)		CCSRCH151J50
C	534 (B,298,92)		CCSRCH151J50
C	535 (B,297,109)		CCSRCH151J50
C	536 (B,297,105)		CCSRCH151J50
C	539 (B,297,141)		CCSRCH151J50
C	540 (B,298,137)		CCSRCH151J50
C	541 (B,297,209)		CCSRCH101J50
C	542 (B,298,203)		CCSRCH101J50
C	543 (B,300,222)		CCSRCH101J50
C	544 (B,300,216)		CCSRCH101J50
C	547 (B,297,167)		CCSRCH151J50
C	548 (B,298,163)		CCSRCH151J50
C	549 (B,297,182)		CCSRCH101J50
C	550 (B,298,177)		CCSRCH101J50
C	551 (B,297,194)		CCSRCH101J50
C	552 (B,297,190)		CCSRCH101J50
C	553 (A,300,51)	ELECT. CAPACITOR	CEAT470M25
C	554 (A,300,42)	ELECT. CAPACITOR	CEAT470M25
C	555 (A,300,73)		CEAT100M50
C	556 (A,300,64)		CEAT100M50
C	557 (A,300,86)	ELECT. CAPACITOR	CEAT470M25
C	558 (A,300,77)	ELECT. CAPACITOR	CEAT470M25
C	559 (A,300,99)	ELECT. CAPACITOR	CEAT470M25
C	560 (A,300,90)	ELECT. CAPACITOR	CEAT470M25
C	561 (A,300,112)	ELECT. CAPACITOR	CEAT470M25
C	562 (A,300,103)	ELECT. CAPACITOR	CEAT470M25
C	563 (A,300,131)		CEAT100M50
C	564 (A,300,120)		CEAT100M50
C	565 (A,300,144)	ELECT. CAPACITOR	CEAT470M25
C	566 (A,300,135)	ELECT. CAPACITOR	CEAT470M25
C	567 (A,300,210)	ELECT. CAPACITOR	CEAT470M25
C	568 (A,300,201)	ELECT. CAPACITOR	CEAT470M25
C	569 (A,293,210)	ELECT. CAPACITOR	CEAT470M25
C	570 (A,293,201)	ELECT. CAPACITOR	CEAT470M25
C	571 (A,300,157)		CEAT100M50
C	572 (A,300,148)		CEAT100M50
C	573 (A,300,170)	ELECT. CAPACITOR	CEAT470M25
C	574 (A,300,161)	ELECT. CAPACITOR	CEAT470M25
C	575 (A,300,184)	ELECT. CAPACITOR	CEAT470M25
C	576 (A,300,175)	ELECT. CAPACITOR	CEAT470M25
C	577 (A,300,197)	ELECT. CAPACITOR	CEAT470M25
C	578 (A,300,188)	ELECT. CAPACITOR	CEAT470M25
C	579 (A,270,87)		CEAT101M16
C	580 (A,268,95)		CEAT101M16
C	581 (A,264,87)		CEAT101M16
C	582 (A,262,95)		CEAT101M16
C	583 (A,258,87)		CEAT101M16
C	584 (A,256,95)		CEAT101M16
C	585 (A,252,87)		CEAT101M16
C	586 (A,250,95)		CEAT101M16
C	587 (A,247,84)		CKSRYB473K50
C	588 (A,246,84)		CKSRYB154K10
C	589 (A,244,84)		CKSRYB223K50
C	590 (A,247,76)		CKSRYB473K50
C	591 (A,247,74)		CKSRYB154K10
C	592 (A,244,73)		CKSRYB223K50
C	593 (A,248,59)		CCSRCH101J50
C	594 (A,247,59)		CCSRCH101J50
C	595 (A,247,79)		CKSRYB103K50
C	596 (A,247,78)		CKSRYB103K50
C	599 (A,269,35)		CEJQ100M25
C	600 (A,274,35)		CEJQ100M25
C	641 (B,309,114)		CKSRYB103K50
C	642 (B,309,88)		CKSRYB103K50
C	643 (B,309,214)		CKSRYB103K50
C	644 (B,309,158)		CKSRYB103K50
C	645 (B,309,186)		CKSRYB103K50
C	661 (A,50,48)	ELECT. CAPACITOR	CEAT222M25
C	662 (A,64,48)	ELECT. CAPACITOR	CEAT222M25
C	673 (A,130,76)		CEAT2R2M50
C	674 (A,130,86)		CEAT2R2M50
C	675 (A,143,76)		CEAT100M50
C	676 (A,143,86)		CEAT100M50
C	701 (A,202,53)		CEAT2R2M50
C	702 (A,208,53)		CEAT2R2M50
C	703 (A,203,62)		CCSRCH471J50
C	704 (A,208,62)		CCSRCH471J50
C	705 (A,203,64)		CCSRCH331J50
C	706 (A,208,64)		CCSRCH331J50
C	707 (B,202,68)		CCSRCH331J50
C	708 (B,209,68)		CCSRCH331J50
C	709 (A,202,76)		CEAT100M50
C	710 (A,209,76)		CEAT100M50
C	713 (A,223,69)		CEAT100M50
C	714 (A,216,69)		CEAT100M50
C	717 (A,208,72)		CKSRYB103K50
C	718 (A,203,72)		CKSRYB103K50
C	719 (A,217,77)		CKSRYB104K50
C	720 (A,222,77)		CKSRYB104K50
C	721 (A,224,53)		CKSRYB103K50
C	722 (A,215,56)		CKSRYB103K50

Mark	No.	Description	Part No.
C	741 (A,174,53)		CEAT2R2M50
C	742 (A,180,53)		CEAT2R2M50
C	743 (A,175,62)		CCSRCH101J50
C	744 (A,180,62)		CKSRYB223K50
C	745 (A,175,64)		CCSRCH331J50
C	746 (A,180,64)		CKSRYB103K50
C	747 (B,174,68)		CCSRCH331J50
C	748 (B,181,68)		CKSRYB562K50
C	749 (A,174,76)		CEAT100M50
C	750 (A,181,76)		CEAT100M50
C	751 (B,176,79)		CKSRYB472K50
C	752 (B,179,79)		CKSRYB472K50
C	753 (A,180,72)		CKSRYB103K50
C	754 (A,175,72)		CKSRYB103K50
C	761 (A,188,53)		CEAT2R2M50
C	762 (A,194,53)		CEAT2R2M50
C	763 (A,189,62)		CCSRCH101J50
C	764 (A,194,62)		CCSRCH101J50
C	765 (A,189,64)		CCSRCH331J50
C	766 (A,194,64)		CCSRCH331J50
C	767 (B,188,68)		CCSRCH331J50
C	768 (B,195,68)		CCSRCH331J50
C	769 (A,188,76)		CEAT100M50
C	770 (A,195,76)		CEAT100M50
C	771 (B,190,79)		CKSRYB472K50
C	772 (B,193,79)		CKSRYB472K50
C	773 (A,194,72)		CKSRYB103K50
C	774 (A,189,72)		CKSRYB103K50
C	781 (A,160,53)		CEAT2R2M50
C	782 (A,166,53)		CEAT2R2M50
C	783 (A,161,62)		CCSRCH101J50
C	784 (A,166,62)		CCSRCH101J50
C	785 (A,161,64)		CCSRCH331J50
C	786 (A,166,64)		CCSRCH331J50
C	787 (B,160,68)		CCSRCH331J50
C	788 (B,167,68)		CCSRCH331J50
C	789 (A,160,76)		CEAT100M50
C	790 (A,167,76)		CEAT100M50
C	791 (B,162,79)		CKSRYB472K50
C	792 (B,165,79)		CKSRYB472K50
C	793 (A,166,72)		CKSRYB103K50
C	794 (A,161,72)		CKSRYB103K50
C	801 (A,253,108)		CEAT4R7M50
C	802 (A,253,101)		CEAT4R7M50
C	805 (A,263,164)		CCSRCH101J50
C	806 (A,263,176)		CCSRCH101J50
C	807 (A,260,192)	ELECT. CAPACITOR	CEAT470M25
C	808 (A,260,185)	ELECT. CAPACITOR	CEAT470M25
C	809 (A,260,168)		CKSRYB103K50
C	810 (A,260,173)		CKSRYB103K50
C	821 (A,265,108)		CEAT4R7M50
C	822 (A,265,101)		CEAT4R7M50
C	825 (A,263,133)		CCSRCH101J50
C	826 (A,263,145)		CCSRCH101J50
C	827 (A,273,192)	ELECT. CAPACITOR	CEAT470M25
C	828 (A,273,185)	ELECT. CAPACITOR	CEAT470M25
C	829 (A,260,137)		CKSRYB103K50
C	830 (A,260,142)		CKSRYB103K50
C	841 (A,259,108)		CEAT4R7M50
C	842 (A,259,101)		CEAT4R7M50
C	845 (A,263,148)		CCSRCH101J50
C	846 (A,263,161)		CCSRCH101J50
C	847 (A,266,192)	ELECT. CAPACITOR	CEAT470M25
C	848 (A,266,185)	ELECT. CAPACITOR	CEAT470M25
C	849 (A,260,152)		CKSRYB103K50
C	850 (A,260,157)		CKSRYB103K50
C	861 (A,271,108)		CEAT4R7M50
C	862 (A,271,101)		CEAT4R7M50
C	865 (A,263,117)		CCSRCH101J50
C	866 (A,263,129)		CCSRCH101J50
C	867 (A,279,192)	ELECT. CAPACITOR	CEAT470M25
C	868 (A,279,185)	ELECT. CAPACITOR	CEAT470M25
C	869 (A,260,121)		CKSRYB103K50
C	870 (A,260,126)		CKSRYB103K50

B 12V-REG ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠ IC	661 (A,12,90)	REGULATOR IC	NJM78M12FA
⚠ IC	662 (A,39,90)	REGULATOR IC	NJM79M12FA
D	665 (B,28,90)	CHIP DIODE	RB501V-40
D	666 (B,56,88)	CHIP DIODE	RB501V-40
	663 (A,46,77)	6P CABLE HOLDER	51048-0600

CAPACITORS

C	667 (B,11,86)		CKSRYB103K50
C	668 (B,39,86)		CKSRYB103K50
C	669 (A,25,92)		CEAT221M25
C	670 (A,52,92)		CEAT221M25

C MAIN CONTROL ASSY

MISCELLANEOUS

IC	101 (A,160,173)	CPU	PEG379A8
IC	102 (A,127,155)	EEPROM	BR24L16FV-W
IC	105 (A,113,150)	PORT EXPANDER IC	BU4094BCFV
IC	106 (A,113,160)	PORT EXPANDER IC	BU4094BCFV
IC	107 (A,152,150)	RESET IC	BU4842F
IC	109 (A,135,138)	IC	TC74VHCT125AFTS1
IC	110 (B,129,132)	IC	TC7SH08FUS1
IC	251 (A,141,199)	RDS DECORDER IC	LC72725KM
Q	101 (B,174,203)	DIGITAL TR(SC-70)	RT1N431M
Q	102 (B,179,205)	TRANSISTOR	2SA1576A
Q	104 (B,177,199)	DIGITAL TR(SC-70)	RT1P241M
Q	105 (B,180,199)	DIGITAL TR(SC-70)	RT1P241M
Q	106 (B,176,192)	DIGITAL TR(SC-70)	RT1P241M
Q	107 (B,183,205)	TRANSISTOR	DTA124TK
Q	108 (B,179,192)	DIGITAL TR(SC-70)	RT1P241M
Q	109 (B,181,169)	DIGITAL TR(SC-70)	RT1P241M
Q	110 (B,187,167)	TRANSISTOR	UMD2N
Q	114 (B,154,193)	CHIP TR (PNP X 2)	UMB1N
Q	115 (B,168,187)	CHIP TR (PNP X 2)	UMB1N
Q	116 (B,173,187)	CHIP TR (PNP X 2)	UMB1N
Q	117 (B,134,134)	TRANSISTOR	RT1N241M
Q	118 (B,136,129)	TRANSISTOR	2SC4081
D	101 (B,208,170)	DIODE	1SS355
D	102 (B,205,168)	DIODE	DAN202U
D	103 (B,208,147)	DIODE	DAN202U
D	106 (A,116,131)	DIODE	1SS355
D	108 (A,183,176)	DIODE	DAP202U
D	109 (A,188,168)	DIODE	DAN217U

Mark	No.	Description	Part No.
D	110 (A,185,180)	DIODE	DAP202U
D	111 (A,179,198)	DIODE	DAN202U
D	112 (A,179,190)	DIODE	DAN202U
D	116 (B,174,158)	DIODE	1SS355
D	117 (B,174,153)	DIODE	1SS355
D	118 (B,159,182)	DIODE	1SS355
D	119 (B,138,169)	DIODE	UDZS5R1(B)
D	291 (A,29,141)	DIODE	1SS355
L	101 (B,203,204)	CHIP SOLID INDUCTOR	ATL7002
L	102 (B,216,135)	CHIP SOLID INDUCTOR	ATL7002
L	103 (B,205,154)	CHIP SOLID INDUCTOR	ATL7002
L	281 (B,29,204)	CHIP SOLID INDUCTOR	QTL1013
L	282 (B,66,159)	CHIP SOLID INDUCTOR	QTL1013
L	291 (B,15,135)	CHIP SOLID INDUCTOR	QTL1013
L	292 (B,21,137)	CHIP SOLID INDUCTOR	QTL1013
L	293 (B,22,118)	CHIP SOLID INDUCTOR	QTL1013
L	294 (B,18,118)	CHIP SOLID INDUCTOR	QTL1013
L	295 (B,24,148)	CHIP SOLID INDUCTOR	QTL1013
JA	281 (A,17,170)	OPT. LINK IN	AKS7001
JA	282 (A,17,183)	OPT. LINK IN	AKS7001
JA	283 (A,17,197)	OPT. LINK IN	AKS7001
JA	284 (A,17,210)	OPT. LINK OUT	AKS7002
JA	291 (A,9,131)	MINI JACK(4P) /W SW	XKN3015
JA	292 (A,11,143)	JACK REMOCON	RKN1004
KN	281 (A,13,153)	SCREW PLATE	VNE1948
X	101 (A,159,157)	CERAMIC RESONATOR	XSS3004
X	251 (A,138,207)	CRYSTAL RESONATOR	ASS7004
CN	101 (A,208,215)	CONNECTOR	CKS3394
CN	102 (A,223,129)	9P JUMPER CONNECTOR	52147-0910
CN	103 (A,197,187)	CONNECTOR	CKS3384
CN	104 (A,60,177)	11P PLUG	XKP3065
CN	105 (A,140,150)	CONNECTOR	CKS3375
CN	106 (A,94,212)	23P SOCKET	XKP3082
CN	107 (A,31,177)	13P PLUG	XKP3066
CN	108 (A,29,153)	13P PLUG	XKP3066
CN	109 (A,53,153)	15P PLUG	XKP3067
CN	110 (A,56,130)	11P PLUG	XKP3065
CN	111 (A,29,130)	13P PLUG	XKP3066
CN	112 (A,64,102)	23P SOCKET	XKP3082
CN	113 (A,100,180)	CONNECTOR	CKS3382
CN	281 (A,33,209)	23P PLUG	XKP3071
CN	301 (A,170,98)	PLUG	CKS1758
CN	302 (A,199,102)	19P SOCKET	XKP3080
CN	306 (A,110,212)	9P SOCKET	XKP3075
	102 (A,219,163)	PCB BINDER	VEF1040
	101 (A,218,171)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
R	100 (B,177,210)		RS1/16S473J
R	101 (B,154,176)		RS1/16S473J
R	103 (B,152,176)		RS1/16S473J
R	106 (A,172,152)		RS1/16S104J
R	107 (B,152,165)		RS1/16S104J
R	108 (B,154,165)		RS1/16S512J
R	109 (A,148,158)		RS1/16S101J
R	110 (A,150,158)		RS1/16S0R0J
R	111 (A,152,158)		RS1/16S101J
R	112 (B,145,166)		RS1/16S101J
R	113 (B,148,166)		RS1/16S101J
R	114 (A,156,157)		RS1/16S0R0J
R	115 (A,163,157)		RS1/16S104J
R	116 (A,167,158)		RS1/16S471J
R	117 (A,171,152)		RS1/16S104J
R	118 (A,169,158)		RS1/16S471J
R	119 (A,170,158)		RS1/16S471J
R	120 (A,172,158)		RS1/16S471J
R	123 (A,143,159)		RS1/16S101J
R	124 (A,143,165)		RS1/16S101J
R	125 (A,145,159)		RS1/16S101J
R	128 (A,176,176)		RS1/16S0R0J
R	129 (A,180,177)		RS1/16S105J
R	130 (A,182,179)		RS1/16S103J
R	131 (A,179,177)		RS1/16S105J
R	132 (A,176,182)		RS1/16S105J
R	133 (A,176,174)		RS1/16S104J
R	134 (A,176,178)		RS1/16S104J
R	135 (A,173,187)		RS1/16S0R0J
R	136 (A,171,187)		RS1/16S0R0J
R	137 (A,169,187)		RS1/16S0R0J
R	138 (A,167,187)		RS1/16S0R0J
R	142 (A,141,180)		RS1/16S0R0J
R	143 (A,142,178)		RS1/16S0R0J
R	144 (A,141,177)		RS1/16S0R0J
R	145 (A,141,175)		RS1/16S0R0J
R	146 (A,145,169)		RS1/16S473J
R	147 (A,152,153)		RS1/16S104J
R	148 (B,176,205)		RS1/16S222J
R	149 (B,179,210)		RS1/16S222J
R	150 (A,127,162)		RS1/16S471J
R	151 (A,129,162)		RS1/16S471J
R	152 (A,127,165)		RS1/16S103J
R	153 (A,129,165)		RS1/16S472J
R	155 (B,145,136)		RS1/16S182J
R	156 (A,120,132)		RS1/16S101J
R	157 (A,141,139)		RS1/16S101J
R	162 (B,166,201)		RS1/16S470J
R	170 (B,155,182)		RS1/16S105J
R	172 (B,131,170)		RS1/16S223J
R	174 (A,218,202)		RS1/16S331J
R	175 (A,220,202)		RS1/16S331J
R	176 (A,218,196)		RS1/16S471J
R	181 (B,183,109)		RS1/16S0R0J
R	183 (B,185,109)		RS1/16S0R0J
R	184 (B,186,113)		RS1/16S0R0J
R	185 (B,188,109)		RS1/16S0R0J
R	186 (B,189,113)		RS1/16S0R0J
R	187 (B,190,109)		RS1/16S0R0J
R	188 (B,191,113)		RS1/16S221J
R	190 (B,194,113)		RS1/16S221J
R	191 (B,202,114)		RS1/16S0R0J
R	192 (B,201,109)		RS1/16S221J
R	193 (B,199,114)		RS1/16S0R0J
R	194 (B,180,109)		RS1/16S0R0J
R	195 (B,171,113)		RS1/16S0R0J
R	197 (B,96,108)		RS1/16S0R0J
R	198 (B,98,108)		RS1/16S0R0J
R	199 (B,203,198)	CHIP RESISTOR	RS1/16S2R7J
R	200 (B,121,173)		RS1/16S473J
R	201 (A,123,147)		RS1/16S473J

Mark	No.	Description	Part No.
R	202 (A,123,149)		RS1/16S473J
R	203 (B,199,148)		RS1/16S473J
R	204 (A,123,152)		RS1/16S473J
R	205 (A,104,156)		RS1/16S473J
R	206 (A,104,158)		RS1/16S473J
R	207 (A,104,159)		RS1/16S473J
R	208 (A,104,161)		RS1/16S473J
R	209 (A,120,159)		RS1/16S473J
R	221 (A,174,197)		RS1/16S222J
R	222 (A,174,198)		RS1/16S472J
R	224 (A,107,153)		RS1/16S561J
R	225 (A,107,164)		RS1/16S561J
R	251 (A,148,203)		RS1/16S473J
R	252 (A,133,200)		RS1/16S102J
R	253 (A,133,194)		RS1/16S102J
R	254 (A,133,197)		RS1/16S102J
R	255 (B,152,209)		RS1/16S0R0J
R	256 (B,49,200)		RS1/16S471J
R	257 (B,51,200)		RS1/16S471J
R	258 (B,53,200)		RS1/16S471J
R	259 (B,55,200)		RS1/16S471J
R	281 (B,21,168)		RS1/16S101J
R	282 (B,21,184)		RS1/16S101J
R	283 (B,21,198)		RS1/16S101J
R	385 (B,97,102)		RS1/16S0R0J
R	391 (A,124,142)		RS1/16S104J
R	392 (B,141,133)		RS1/16S472J
R	396 (A,126,142)		RS1/16S104J
R	397 (B,128,128)		RS1/16S104J
R	398 (B,142,129)		RS1/16S362J
R	399 (B,140,129)		RS1/16S102J
R	400 (B,138,129)		RS1/16S0R0J
R	405 (A,226,110)		RS1/16S0R0J
R	408 (A,217,121)		RS1/16S0R0J
R	409 (A,206,118)		RS1/16S0R0J
R	411 (A,206,116)		RS1/16S0R0J
R	412 (A,222,118)		RS1/16S0R0J
R	414 (A,206,111)		RS1/16S0R0J
R	416 (A,206,119)		RS1/16S0R0J
R	431 (B,185,157)		RS1/16S0R0J
R	432 (B,182,159)		RS1/16S0R0J

CAPACITORS

C	101 (B,207,158)		CKSRYB103K50
C	103 (B,202,159)		CKSRYB103K50
C	104 (A,166,147)		CEAT331M10
C	105 (A,160,160)		CKSRYB104K16
C	107 (A,157,160)		CKSRYB105K16
C	110 (A,164,157)		CKSRYB102K50
C	112 (A,124,156)		CKSRYB103K50
C	113 (A,167,205)	ELECT. CAPACITOR	CEAT102M6R3
C	117 (B,172,154)		CKSRYB473K25
C	118 (B,157,182)		CKSRYB473K25
C	119 (A,135,168)		CEAT100M50
C	120 (A,150,151)		CKSRYB105K16
C	122 (A,113,155)		CKSRYB104K16
C	123 (A,113,165)		CKSRYB104K16
C	125 (A,205,157)		CEAT101M10
C	130 (A,108,153)		CCSRCH561J50
C	131 (A,110,164)		CCSRCH561J50
C	251 (A,140,191)		CEAT100M50
C	253 (B,148,194)		CCSRCH561J50
C	254 (A,151,213)		CEAT101M10
C	255 (A,148,200)		CKSRYB102K50
C	256 (B,146,207)		CCSRCH270J50
C	257 (B,135,207)		CCSRCH270J50
C	260 (A,135,194)		CKSRYB472K50
C	281 (B,21,174)		CKSRYB104K16
C	282 (B,21,188)		CKSRYB104K16
C	283 (B,21,202)		CKSRYB104K16
C	284 (B,21,211)		CKSRYB104K16
C	285 (A,29,215)		CEAT101M10
C	294 (B,26,162)		CKSRYB104K16
C	298 (A,132,143)		CKSRYB104K16
C	299 (B,133,129)		CKSRYB104K16
C	300 (B,144,129)		CKSRYB224K16

D GUARD-C ASSY

GUARD-C Assy has no service part.

E GUARD-F ASSY

MISCELLANEOUS

921 (A,245,238)	PCB BINDER	VEF1040

F GUARD-R ASSY

MISCELLANEOUS

923 (A,38,240)	PCB BINDER	VEF1040

G DSP ASSY

MISCELLANEOUS

IC	551 (A,84,42)	IC	TC74VHC157FTS1
IC	601 (A,109,36)	DA I/F TRANSCEIVER	AK4114VQ
IC	651 (A,86,56)	LIPSYNC IC	ML87V5002
IC	701 (A,77,29)	CODEC IC	AK4628AVQ
IC	801 (A,37,39)	DSP IC	DSPC56371AF180
IC	802 (A,33,26)	IC	TC7WU04FU
IC	851 (A,50,17)	FLASH ROM IC	PDC165A8
IC	871 (B,65,43)	IC	TC7WH125FU
⚠ IC	901 (B,114,24)	REGURATOR IC	PQ1LAX95MSPQ
⚠ IC	902 (A,99,24)	REGURATOR IC	PQ1LAX95MSPQ
IC	952 (A,16,32)	IC	TC74VHCT541AFTS1
Q	801 (B,33,29)	TRANSISTOR	RT1N241M
D	701 (A,81,19)	DIODE	MA152WA
D	702 (B,82,18)	DIODE	MA152WK
D	901 (B,107,21)	DIODE	UDZS5R6(B)
D	902 (B,102,20)	DIODE	UDZS5R6(B)
L	401 (A,121,43)	CHIP SOLID INDUCTOR	QTL1013
L	551 (A,90,45)	CHIP SOLID INDUCTOR	QTL1013
L	601 (B,103,41)	CHIP SOLID INDUCTOR	QTL1013
L	602 (A,100,36)	CHIP SOLID INDUCTOR	QTL1013
L	651 (A,71,50)	CHIP SOLID INDUCTOR	QTL1013
L	701 (B,68,30)	CHIP SOLID INDUCTOR	QTL1013
L	702 (A,93,22)	CHIP SOLID INDUCTOR	QTL1013
L	801 (A,37,25)	CHIP SOLID INDUCTOR	QTL1013
L	802 (A,42,29)	CHIP SOLID INDUCTOR	ATL7002

Mark	No.	Description	Part No.
L	803 (A,51,42)	CHIP SOLID INDUCTOR	ATL7002
L	804 (B,29,34)	CHIP SOLID INDUCTOR	QTL1013
L	851 (A,46,21)	CHIP SOLID INDUCTOR	QTL1013
L	871 (B,69,45)	CHIP SOLID INDUCTOR	QTL1013
L	901 (B,105,18)	CHIP SOLID INDUCTOR	ATL7002
L	902 (B,100,18)	CHIP SOLID INDUCTOR	ATL7002
L	952 (A,21,28)	CHIP SOLID INDUCTOR	QTL1013
JA	501 (A,142,22)	PIN JACK(2P)	AKB7131
X	801 (A,23,22)	CRYSTAL RESONATOR	XSS3003
CN	601 (A,107,50)	10P CONNECTOR	VKN1241
CN	701 (A,83,14)	19P SOCKET	XKP3080
CN	901 (A,116,14)	13P SOCKET	XKP3077
CN	952 (A,45,14)	19P SOCKET	XKP3080

RESISTORS

R	501 (B,131,16)		RS1/16S750J
R	502 (B,134,30)		RS1/16S750J
R	516 (B,114,36)		RS1/16S100J
R	517 (B,130,30)		RS1/16S100J
R	562 (A,89,39)		RS1/16S470J
R	564 (A,90,41)		RS1/16S470J
R	565 (B,87,41)		RS1/16S101J
R	568 (A,78,42)		RS1/16SS101J
R	569 (B,78,40)		RS1/16S470J
R	571 (A,78,39)		RS1/16SS470J
R	576 (A,78,44)		RS1/16SS0R0J
R	604 (B,114,46)		RS1/16S104J
R	605 (B,112,46)		RS1/16S104J
R	606 (B,110,46)		RS1/16S104J
R	612 (A,117,33)		RS1/16S0R0J
R	614 (A,102,38)		RS1/16SS101J
R	615 (A,104,30)		RS1/16SS470J
R	616 (A,102,34)		RS1/16SS101J
R	617 (B,105,31)		RS1/16S101J
R	618 (B,107,31)		RS1/16S101J
R	620 (A,106,30)		RS1/16SS470J
R	621 (B,108,36)		RS1/16S220J
R	624 (A,112,28)	RESISTOR ARRAY	RAB4CQ101J
R	627 (B,112,32)		RS1/16S103J
R	628 (A,117,38)		RS1/16S1802F
R	651 (A,89,51)		RS1/16SS470J
R	652 (A,99,55)		RS1/16SS470J
R	653 (A,98,55)		RS1/16SS470J
R	654 (A,97,55)		RS1/16SS470J
R	655 (A,76,59)		RS1/16SS101J
R	656 (A,76,58)		RS1/16SS101J
R	657 (A,76,57)		RS1/16SS101J
R	658 (A,76,55)		RS1/16SS101J
R	659 (B,82,56)		RS1/16S103J
R	662 (A,76,54)		RS1/16SS470J
R	663 (A,76,53)		RS1/16SS470J
R	664 (A,76,52)		RS1/16SS470J
R	701 (B,78,35)		RS1/16S470J
R	702 (B,75,35)		RS1/16S101J
R	704 (B,70,27)		RS1/16S4R7J
R	705 (A,60,18)		RS1/16SS101J
R	706 (A,63,18)		RS1/16SS101J
R	707 (A,65,18)		RS1/16SS101J
R	708 (A,68,18)		RS1/16SS101J
R	709 (A,70,18)		RS1/16SS101J
R	710 (A,73,18)		RS1/16SS101J
R	711 (A,75,18)		RS1/16SS101J
R	712 (A,78,18)		RS1/16SS101J
R	713 (A,86,30)		RS1/16S470J
R	714 (A,85,36)	RESISTOR ARRAY	RAB4CQ101J
R	801 (A,48,48)		RS1/16SS470J
R	802 (A,40,50)	RESISTOR ARRAY	RAB4CQ101J
R	803 (B,44,48)		RS1/16S103J
R	804 (B,42,48)		RS1/16S103J
R	805 (B,39,42)		RS1/16S103J
R	806 (B,37,42)		RS1/16S103J
R	807 (B,35,42)		RS1/16S473J
R	810 (A,26,39)		RS1/16SS473J
R	811 (A,24,37)		RS1/16SS472J
R	812 (B,27,43)		RS1/16S101J
R	813 (A,24,34)		RS1/16SS103J
R	815 (A,25,26)		RS1/16SS105J
R	816 (A,23,26)		RS1/16SS471J
R	817 (A,34,28)		RS1/16SS101J
R	818 (B,35,23)		RS1/16S220J
R	819 (B,26,29)		RS1/16S101J
R	821 (B,31,29)		RS1/16S0R0J
R	822 (B,36,30)		RS1/16S103J
R	823 (B,36,36)		RS1/16S473J
R	827 (B,48,38)		RS1/16S470J
R	828 (B,41,27)		RS1/16S470J
R	829 (B,44,33)		RS1/16S470J
R	830 (B,46,33)		RS1/16S470J
R	831 (B,42,31)		RS1/16S470J
R	832 (A,47,41)		RS1/16SS470J
R	833 (A,48,45)	RESISTOR ARRAY	RAB4CQ470J
R	840 (A,24,33)		RS1/16SS101J
R	841 (A,67,38)		RS1/16S473J
R	851 (A,44,28)		RS1/16SS470J
R	852 (B,43,27)		RS1/16S222J
R	853 (B,48,14)		RS1/16S103J
R	855 (B,41,21)		RS1/16S103J
R	856 (A,54,18)		RS1/16SS103J
R	857 (B,45,27)		RS1/16S103J
R	871 (B,59,36)		RS1/16S470J
R	872 (B,61,36)		RS1/16S470J
R	873 (B,61,44)		RS1/16S470J
R	874 (B,59,44)		RS1/16S470J
R	905 (B,118,17)		RS1/16S104J
R	906 (B,120,15)		RS1/16S104J
R	908 (A,123,13)		RS1/16SS0R0J
R	919 (A,113,20)		RS1/16S1202F
R	920 (A,115,20)		RS1/16S2002F
R	921 (A,101,20)		RS1/16S1202F
R	922 (A,98,20)	CHIP RESISTOR	RS1/16S1000F
R	951 (B,25,33)		RS1/16S101J
R	952 (B,23,33)		RS1/16S101J
R	953 (B,21,33)		RS1/16S101J
R	954 (A,17,26)	RESISTOR ARRAY	RAB4CQ101J
R	955 (A,14,26)	RESISTOR ARRAY	RAB4CQ101J
R	962 (A,32,18)	RESISTOR ARRAY	RAB4CQ104J
R	970 (A,37,18)	RESISTOR ARRAY	RAB4CQ104J
R	975 (A,19,14)		RS1/16SS104J
R	981 (A,14,38)		RS1/16SS0R0J

Mark	No.	Description	Part No.
R	982 (A,15,38)		RS1/16SS0R0J

CAPACITORS

C	401 (A,126,41)		CEVW470M6R3
C	503 (B,127,16)		CKSRYB103K50
C	504 (B,132,30)		CKSRYB103K50
C	551 (A,84,46)		CKSSYB104K10
C	606 (A,102,40)		CKSRYB104K16
C	607 (A,96,39)		CEVW470M6R3
C	608 (A,101,36)		CCSRCH471J50
C	609 (A,102,36)		CKSRYB104K16
C	614 (B,110,32)		CKSRYB104K16
C	617 (B,114,32)		CKSRYB102K50
C	618 (A,117,28)		CEVW470M6R3
C	619 (A,118,35)		CKSSYB104K10
C	620 (A,116,35)		CCSRCH471J50
C	621 (A,116,38)		CKSRYB474K10
C	651 (A,71,56)		CEVW100M16
C	653 (A,95,57)		CKSSYB104K10
C	655 (A,81,50)		CKSSYB104K10
C	657 (A,79,61)		CKSSYB104K10
C	658 (B,80,56)		CKSRYB104K16
C	701 (A,67,32)		CKSSYB103K16
C	703 (A,64,23)		CEVW101M16
C	704 (A,67,29)		CKSRYB104K16
C	705 (A,68,30)		CCSSCH101J50
C	706 (B,66,26)		CKSRYB104K16
C	707 (B,60,19)		CKSRYB471K50
C	708 (B,63,19)		CKSRYB471K50
C	709 (B,65,19)		CKSRYB471K50
C	710 (B,68,19)		CKSRYB471K50
C	711 (B,70,19)		CKSRYB471K50
C	712 (B,73,19)		CKSRYB471K50
C	713 (B,75,19)		CKSRYB471K50
C	714 (B,78,19)		CKSRYB471K50
C	715 (A,90,29)		CEVW101M16
C	716 (A,86,27)		CKSRYB104K16
C	717 (A,85,27)		CKSSYB471K50
C	718 (A,87,20)		CEVW470M6R3
C	720 (A,85,24)		CKSSYB104K10
C	763 (B,53,36)		CKSRYB471K50
C	764 (B,55,36)		CKSRYB104K16
C	802 (A,42,50)		CKSSYB104K10
C	803 (A,37,49)		CKSSYB471K50
C	804 (A,37,50)		CKSSYB104K10
C	806 (A,31,50)		CKSSYB104K10
C	808 (A,26,43)		CKSSYB104K10
C	809 (A,27,41)		CKSSYB471K50
C	810 (A,26,41)		CKSSYB104K10
C	814 (A,27,33)		CKSSYB471K50
C	815 (A,25,33)		CKSSYB104K10
C	816 (A,21,26)		CCSSCH5R0C50
C	817 (A,27,26)		CCSSCH5R0C50
C	818 (A,35,23)		CCSRCH471J50
C	819 (A,35,22)		CKSSYB104K10
C	821 (A,30,30)		CKSSYB471K50
C	822 (A,30,29)		CKSSYB104K10
C	823 (A,32,30)		CKSSYB471K50
C	824 (A,32,28)		CKSSYB104K10
C	825 (B,32,39)		CKSRYB103K50
C	826 (A,38,29)		CKSSYB471K50
C	827 (A,38,28)		CKSSYB104K10
C	829 (A,47,36)		CKSSYB104K10
C	830 (A,47,39)		CKSSYB471K50
C	831 (A,48,39)		CKSSYB104K10
C	833 (A,48,43)		CKSSYB104K10
C	834 (A,41,23)		CEVW101M16
C	835 (A,57,42)	CHIP ELECT.CAPACITOR	CEVW101M4
C	852 (A,45,18)		CKSSYB104K10
C	872 (B,70,41)		CKSRYB104K16
C	907 (B,110,23)		CKSRYB105K16
C	908 (A,115,22)		CKSRYB105K16
C	909 (B,97,26)		CKSRYB105K16
C	910 (B,97,22)		CKSRYB105K16
C	911 (A,108,22)		CEVW101M16
C	916 (B,69,34)		CKSRYB471K50
C	917 (B,71,34)		CKSRYB103K50
C	918 (B,81,36)		CKSRYB104K16
C	919 (B,82,36)		CKSRYB471K50
C	955 (A,22,31)		CKSRYB104K16

H COMPOSITE ASSY

MISCELLANEOUS

IC	1001(A,74,199)	LOGIC IC	TC74HC4051AFT
IC	1003(A,92,208)	IC	TC74HC4053AFT
IC	1004(A,112,209)	VIDEO AMP IC	LA7109
IC	1005(B,56,197)	PORT EXPANDER	BU4094BCF
IC	1006(A,36,184)	CHARACTER GENERATOR	PDC162A
IC	1101(A,159,189)	OP-AMP IC	UPC4570G2
Q	1002(A,171,176)	TRANSISTOR	2SC4081
Q	1003(B,27,193)	TRANSISTOR	2SC4081
Q	1004(B,179,188)	TRANSISTOR	2SC4081
Q	1102(A,173,207)	DIGITAL TR(SC-70)	RT1N431M
D	1001(B,88,192)	DIODE	DAN202U
D	1002(B,84,192)	DIODE	DAN202U
D	1003(B,132,179)	DIODE	1SS355
D	1004(B,123,176)	DIODE	1SS355
D	1005(B,57,180)	DIODE	DAP202U
D	1101(A,163,208)	DIODE	UDZS6R2(B)
D	1102(A,157,208)	DIODE	UDZS6R2(B)
D	1103(A,163,210)	DIODE	UDZS6R2(B)
D	1104(A,158,209)	DIODE	UDZS6R2(B)
D	1105(A,172,201)	DIODE	1SS355
D	1108(B,178,206)	DIODE	UDZS5R1(B)
D	1109(B,176,206)	DIODE	UDZS5R1(B)
D	1110(B,169,207)	DIODE	UDZS5R1(B)
L	1002(B,181,194)	CHIP COIL	LCTAW120J2520
L	1003(A,33,200)	AXIAL INDUCTOR	LAU330J
JA	1006(A,57,233)	PIN JACK(1P)	AKB7175
X	1001(A,44,196)	CRYSTAL RESONATOR	ASS7080
CN	1001(A,184,173)	11P SOCKET	XKP3076
CN	1002(A,77,178)	21P SOCKET	XKP3081
CN	1003(A,184,198)	13P SOCKET	XKP3077
CN	1004(A,161,233)	20P SOCKET	AKP7202
	1003(A,78,233)	PIN JACK(2P)	AKB7176
	1001(A,134,233)	PIN JACK(2P)	AKB7176
	1002(A,106,233)	PIN JACK(2P)	AKB7176

Mark	No.	Description	Part No.
RESISTORS			
R	1001(B,142,224)		RS1/16S750J
R	1002(B,125,221)		RS1/16S750J
R	1003(B,97,220)		RS1/16S750J
R	1004(B,69,220)		RS1/16S750J
R	1007(B,81,220)		RS1/16S750J
R	1009(B,108,220)		RS1/16S750J
R	1011(B,54,219)		RS1/16S750J
R	1014(A,169,170)		RS1/16S102J
R	1017(B,105,201)		RS1/16S103J
R	1018(B,114,201)		RS1/16S103J
R	1020(B,131,201)		RS1/16S103J
R	1021(A,108,203)		RS1/16S103J
R	1022(A,117,203)		RS1/16S103J
R	1023(B,133,204)		RS1/16S473J
R	1024(B,135,205)		RS1/16S473J
R	1025(B,66,204)		RS1/16S473J
R	1026(B,63,204)		RS1/16S473J
R	1027(B,64,189)		RS1/16S561J
R	1030(B,85,196)		RS1/16S473J
R	1031(B,71,192)		RS1/16S473J
R	1032(B,69,192)		RS1/16S473J
R	1033(B,54,189)		RS1/16S473J
R	1034(A,42,176)		RS1/16S102J
R	1035(B,28,186)		RS1/16S512J
R	1036(B,30,186)		RS1/16S392J
R	1037(B,38,188)		RS1/16S102J
R	1039(A,24,192)		RS1/16S331J
R	1040(A,25,196)		RS1/16S331J
R	1041(A,26,196)		RS1/16S331J
R	1043(B,175,192)		RS1/16S561J
R	1046(B,179,190)		RS1/16S102J
R	1049(A,168,175)		RS1/16S512J
R	1051(A,168,176)		RS1/16S332J
R	1053(B,70,216)		RS1/16S0R0J
R	1054(B,90,209)		RS1/16S473J
R	1101(A,162,205)		RS1/16S104J
R	1102(A,158,206)		RS1/16S104J
R	1103(A,164,205)		RS1/16S331J
R	1104(A,155,205)		RS1/16S331J
R	1105(B,163,199)		RS1/16S104J
R	1106(B,156,199)		RS1/16S104J
R	1107(B,163,193)		RS1/16S472J
R	1108(B,157,193)		RS1/16S472J
R	1109(B,168,195)		RS1/16S472J
R	1110(B,150,195)		RS1/16S472J
R	1111(B,163,190)		RS1/16S103J
R	1112(B,155,189)		RS1/16S103J
R	1113(A,165,188)		RS1/16S103J
R	1114(A,154,189)		RS1/16S103J
R	1115(B,162,183)		RS1/16S101J
R	1116(B,156,183)		RS1/16S101J
R	1117(B,169,185)		RS1/16S104J
R	1118(B,167,182)		RS1/16S104J
R	1122(A,170,205)		RS1/16S514J
R	1124(A,170,208)		RS1/16S393J
R	1127(B,174,212)		RS1/16S0R0J
R	1131(A,154,212)		RS1/16S750J
R	1132(A,150,208)		RS1/16S0R0J
R	1134(A,152,213)		RS1/16S0R0J
R	1167(A,111,203)		RS1/16S0R0J
CAPACITORS			
C	1001(A,75,202)		CKSRYB104K16
C	1002(A,73,204)		CKSRYB104K16
C	1005(A,91,212)		CKSRYB104K16
C	1006(A,94,212)		CKSRYB104K16
C	1008(B,65,202)		CKSRYB104K16
C	1009(B,68,189)		CCSRCH561J50
C	1011(A,169,173)		CKSRYB103K50
C	1012(A,169,172)		CKSRYB103K50
C	1014(A,88,202)		CEAT101M10
C	1016(A,116,200)		CEAT101M10
C	1018(A,134,200)		CEAT101M10
C	1019(B,116,211)		CKSRYB104K16
C	1020(A,120,208)		CKSRYB104K16
C	1021(A,123,213)		CEAT101M10
C	1022(A,129,214)		CEAT101M10
C	1024(B,84,225)		CCSRCH181J50
C	1025(B,113,224)		CCSRCH181J50
C	1026(B,56,224)		CCSRCH181J50
C	1027(A,45,180)		CEAT101M10
C	1028(A,45,187)		CEAT101M10
C	1029(A,45,177)		CKSRYB473K25
C	1030(A,27,185)		CKSRYB473K25
C	1031(A,39,176)		CCSRCH101J50
C	1032(A,35,176)		CKSRYB122K50
C	1033(A,31,176)		CKSRYB122K50
C	1035(B,34,186)		CKSRYB103K50
C	1036(B,47,191)		CCSRCH5R0C50
C	1037(B,45,191)		CCSRCH5R0C50
C	1038(B,33,193)		CCSRCH240J50
C	1039(B,32,197)		CCSRCH240J50
C	1040(A,29,194)		CCSRCH101J50
C	1041(A,28,193)		CCSRCH101J50
C	1042(A,26,192)		CCSRCH101J50
C	1045(B,184,192)		CCSRCH330J50
C	1046(B,178,193)		CCSRCH120J50
C	1047(B,180,192)		CCSRCJ3R0C50
C	1093(B,111,224)		CKSRYB103K50
C	1095(B,82,225)		CKSRYB103K50
C	1096(B,79,225)		CKSRYB103K50
C	1097(B,54,224)		CKSRYB103K50
C	1098(B,43,224)		CKSRYB103K50
C	1101(A,162,206)		CCSRCH101J50
C	1102(A,158,205)		CCSRCH101J50
C	1103(A,160,200)		CCSRCH101J50
C	1104(A,158,200)		CCSRCH101J50
C	1105(A,163,201)		CEAT100M50
C	1106(A,155,201)		CEAT100M50
C	1107(A,168,197)		CEAT100M50
C	1108(A,150,197)		CEAT100M50
C	1113(A,157,193)		CKSRYB103K50
C	1114(A,162,193)		CKSRYB103K50
C	1115(A,162,180)		CEAT100M50
C	1116(A,156,180)		CEAT100M50
C	1117(A,174,198)		CKSRYB103K50
C	1118(B,167,224)		CKSRYB103K50

Mark	No.	Description	Part No.
C	1121(A,183,192)		CKSRYB103K50
C	1122(A,185,192)		CKSRYB103K50

I S-VIDEO ASSY

MISCELLANEOUS

IC	1201(A,115,134)	LOGIC IC	TC74HC4051AFT
IC	1202(A,103,134)	LOGIC IC	TC74HC4051AFT
IC	1203(A,111,119)	IC	TC74HC4053AFT
IC	1205(A,66,138)	VIDEO AMP IC	LA7109
IC	1206(A,149,126)	IC	NJM12904V
Q	1201(B,145,132)	TRANSISTOR	RT1N241M
Q	1203(B,135,115)	TRANSISTOR	2SC4081
Q	1204(B,135,106)	TRANSISTOR	2SC4081
Q	1205(A,148,116)	TRANSISTOR	2SC4081
Q	1206(B,155,106)	TRANSISTOR	2SC4081
D	1203(B,79,133)	DIODE	DAN202K
D	1204(A,83,129)	DIODE	DAN202K
D	1205(A,143,125)	DIODE	1SS355
D	1251(B,90,112)	DIODE	1SS355
D	1252(B,79,113)	DIODE	1SS355
L	1201(A,155,109)	CHIP COIL	LCTAW120J2520
L	1202(B,162,108)	CHIP COIL	LCTAW120J2520
CN	1201(A,175,128)	13P SOCKET	XKP3077
CN	1202(A,175,101)	15P SOCKET	XKP3078
CN	1203(A,68,108)	15P SOCKET	XKP3078
CN	1204	SOCKET	XKB3052
CN	1205(A,97,163)	SOCKET	XKB3051
CN	1206(A,125,163)	SOCKET	XKB3051

RESISTORS

R	1201(B,131,152)		RS1/16S750J
R	1202(B,133,152)		RS1/16S750J
R	1203(B,117,152)		RS1/16S750J
R	1204(B,119,152)		RS1/16S750J
R	1205(B,89,152)		RS1/16S750J
R	1206(B,91,152)		RS1/16S750J
R	1207(B,61,151)		RS1/16S750J
R	1208(B,63,151)		RS1/16S750J
R	1209(B,47,148)		RS1/16S750J
R	1210(B,49,148)		RS1/16S750J
R	1211(B,103,149)		RS1/16S750J
R	1212(B,105,149)		RS1/16S750J
R	1213(B,75,149)		RS1/16S750J
R	1214(B,77,149)		RS1/16S750J
R	1218(B,147,132)		RS1/16S473J
R	1223(B,138,115)		RS1/16S102J
R	1224(B,138,105)		RS1/16S102J
R	1225(A,59,132)		RS1/16S103J
R	1226(A,63,132)		RS1/16S103J
R	1227(A,66,130)		RS1/16S103J
R	1228(A,87,131)		RS1/16S103J
R	1231(B,80,137)		RS1/16S473J
R	1232(A,71,130)		RS1/16S473J
R	1235(A,155,111)		RS1/16S561J
R	1236(B,167,108)		RS1/16S561J
R	1237(B,131,115)		RS1/16S103J
R	1238(B,132,106)		RS1/16S103J
R	1243(A,145,119)		RS1/16S102J
R	1244(B,157,104)		RS1/16S102J
R	1247(A,146,123)		RS1/16S103J
R	1248(A,144,124)		RS1/16S470J
R	1249(A,146,126)		RS1/16S274J
R	1251(B,130,115)		RS1/16S332J
R	1252(B,130,106)		RS1/16S332J
R	1257(A,151,121)		RS1/16S0R0J
R	1627(A,72,133)		RS1/16S0R0J
R	1628(A,66,133)		RS1/16S0R0J

CAPACITORS

C	1201(B,133,148)		CKSRYB104K16
C	1202(B,119,148)		CKSRYB104K16
C	1203(B,91,148)		CKSRYB104K16
C	1204(B,63,148)		CKSRYB104K16
C	1205(B,49,151)		CCSRCH181J50
C	1206(B,47,151)		CCSRCH181J50
C	1207(B,105,152)		CCSRCH181J50
C	1208(B,103,152)		CCSRCH181J50
C	1209(B,77,152)		CCSRCH181J50
C	1210(B,75,152)		CCSRCH181J50
C	1211(A,111,134)		CKSRYB104K16
C	1212(A,119,132)		CKSRYB104K16
C	1213(A,99,134)		CKSRYB104K16
C	1214(A,107,131)		CKSRYB104K16
C	1215(A,115,115)		CKSRYB104K16
C	1216(A,108,121)		CKSRYB104K16
C	1221(A,124,115)		CEAT101M10
C	1222(A,124,107)		CEAT101M10
C	1225(B,132,110)		CKSRYB103K50
C	1226(B,140,110)		CKSRYB103K50
C	1227(A,42,120)		CEAT101M10
C	1228(B,57,129)		CKSRYB104K16
C	1229(A,50,120)		CEAT101M10
C	1230(A,87,130)		CKSRYB104K16
C	1233(B,59,142)		CKSRYB104K16
C	1234(B,59,134)		CKSRYB104K16
C	1235(A,53,143)		CEAT101M10
C	1236(A,53,136)		CEAT101M10
C	1237(A,151,117)		CKSRYB103K50
C	1238(A,143,119)		CKSRYB103K50
C	1239(B,159,106)		CKSRYB103K50
C	1240(B,160,104)		CKSRYB103K50
C	1241(A,144,122)		CKSRYB104K16
C	1242(A,143,130)		CEAT100M50
C	1243(A,155,113)		CCSRCH120J50
C	1244(B,167,109)		CCSRCH120J50
C	1245(A,152,112)		CCSRCH330J50
C	1246(B,158,110)		CCSRCH330J50
C	1247(A,152,128)		CKSRYB104K16
C	1249(A,154,107)		CCSRCJ3R0C50
C	1250(B,162,111)		CCSRCJ3R0C50
C	1292(B,73,158)		CKSRYB103K50
C	1293(B,93,158)		CKSRYB103K50
C	1294(B,129,158)		CKSRYB103K50

J BRIDGE 2 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	CN2901(A,21,29)	17P PLUG	XKP3068
	CN2902(A,100,29)	17P PLUG	XKP3068

K COMPONENT ASSY

MISCELLANEOUS

	IC 1401(A,113,70)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 1402(A,124,72)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 1403(A,139,69)	MULTIPLEXER(2CH*3)	TC74LVX4053FT
	IC 1404(B,93,70)	VIDEO IC	NJM2581M
	IC 1405(A,129,50)	PORT EXPANDER IC	BU4094BCFV
⚠	Q 1401(B,87,57)	TRANSISTOR	2SC4081
⚠	Q 1402(B,71,57)	TRANSISTOR	2SA1576A
	Q 1415(B,156,59)	TRANSISTOR	2SC4081
	Q 1416(B,162,50)	TRANSISTOR	2SC4081
	Q 1417(B,167,42)	TRANSISTOR	2SC4081
	Q 1501(A,62,65)	TRANSISTOR	IMX25
	Q 1502(A,68,65)	TRANSISTOR	IMX25
	Q 1521(A,49,65)	TRANSISTOR	IMX25
	Q 1522(A,55,65)	TRANSISTOR	IMX25
	Q 1541(A,36,65)	TRANSISTOR	IMX25
	Q 1542(A,42,65)	TRANSISTOR	IMX25
	Q 1561(A,22,65)	TRANSISTOR	IMX25
	Q 1562(A,29,65)	TRANSISTOR	IMX25
	D 1401(B,85,43)	DIODE	1SS355
	D 1402(B,83,43)	DIODE	1SS355
	L 1401(B,166,58)	CHIP COIL	LCTAW120J2520
	L 1402(B,169,53)	CHIP COIL	LCTAW120J2520
	L 1403(B,175,49)	CHIP COIL	LCTAW120J2520
	JA 1401(A,141,94)	6P RCA PINJACK	XKB3053
	JA 1402(A,99,94)	6P RCA PINJACK	XKB3053
	CN1401(A,175,56)	13P SOCKET	XKP3077
	CN1402(A,175,30)	11P SOCKET	XKP3076
	CN1403(A,68,39)	13P SOCKET	XKP3077
	CN1405(A,19,59)	17P SOCKET	XKP3079
	CN1406(A,53,41)	CONNECTOR	CKS3384
	CN1501(A,58,94)	PIN JACK(4P)	AKB7172
	CN1502(A,30,94)	PIN JACK(4P)	AKB7172
	1401(A,166,28)	PCB BINDER	VEF1040

RESISTORS

R 1401(B,149,85)	RS1/16S750J	
R 1402(B,138,85)	RS1/16S750J	
R 1403(B,124,85)	RS1/16S750J	
R 1404(B,157,85)	RS1/16S750J	
R 1405(B,145,85)	RS1/16S750J	
R 1406(B,131,85)	RS1/16S750J	
R 1407(B,115,85)	RS1/16S750J	
R 1408(B,103,85)	RS1/16S750J	
R 1409(B,89,85)	RS1/16S750J	
R 1410(B,106,77)	RS1/16S750J	
R 1411(B,94,78)	RS1/16S750J	
R 1412(B,83,79)	RS1/16S750J	
R 1416(B,91,61)	RS1/16S102J	
R 1417(B,85,57)	RS1/16S153J	
R 1418(B,75,56)	RS1/16S153J	
R 1419(B,82,58)	RS1/16S333J	
R 1420(B,78,58)	RS1/16S333J	
R 1424(B,169,59)	RS1/16S561J	
R 1425(B,171,54)	RS1/16S561J	
R 1426(B,173,53)	RS1/16S561J	
R 1430(B,133,54)	RS1/16S473J	
R 1431(B,131,54)	RS1/16S473J	
R 1432(B,131,50)	RS1/16S473J	
R 1433(B,134,46)	RS1/16S473J	
R 1434(A,134,46)	RS1/16S0R0J	
R 1436(A,123,52)	RS1/16S561J	
R 1439(B,126,49)	RS1/16S473J	
R 1440(B,124,49)	RS1/16S473J	
R 1441(B,128,48)	RS1/16S473J	
R 1442(B,128,45)	RS1/16S473J	
R 1461(B,162,60)	RS1/16S104J	
R 1462(B,163,55)	RS1/16S104J	
R 1463(B,166,48)	RS1/16S104J	
R 1464(B,157,55)	RS1/16S102J	
R 1465(B,166,52)	RS1/16S102J	
R 1466(B,173,47)	RS1/16S102J	
R 1473(B,172,67)	RS1/16S0R0J	
R 1474(B,172,72)	RS1/16S0R0J	
R 1475(B,174,74)	RS1/16S0R0J	
R 1501(B,62,59)	RS1/16S271J	
R 1502(B,68,59)	RS1/16S271J	
R 1503(B,62,65)	RS1/16S121J	
R 1504(B,68,65)	RS1/16S121J	
R 1505(B,62,70)	RS1/16S101J	
R 1506(B,68,70)	RS1/16S101J	
R 1507(B,63,86)	RS1/16S474J	
R 1508(B,67,87)	RS1/16S474J	
R 1509(A,62,60)	RS1/16S103J	
R 1510(A,68,60)	RS1/16S103J	
R 1511(A,60,69)	RS1/16S103J	
R 1512(A,67,69)	RS1/16S103J	
R 1521(B,49,59)	RS1/16S271J	
R 1522(B,55,59)	RS1/16S271J	
R 1523(B,49,65)	RS1/16S121J	
R 1524(B,55,65)	RS1/16S121J	
R 1525(B,49,70)	RS1/16S101J	
R 1526(B,55,70)	RS1/16S101J	
R 1527(B,49,86)	RS1/16S474J	
R 1528(B,53,87)	RS1/16S474J	
R 1529(A,49,60)	RS1/16S103J	
R 1530(A,55,60)	RS1/16S103J	
R 1531(A,47,69)	RS1/16S103J	
R 1532(A,54,69)	RS1/16S103J	
R 1541(B,36,59)	RS1/16S271J	
R 1542(B,42,59)	RS1/16S271J	
R 1543(B,36,65)	RS1/16S121J	
R 1544(B,42,65)	RS1/16S121J	
R 1545(B,36,70)	RS1/16S101J	
R 1546(B,42,70)	RS1/16S101J	
R 1547(B,35,86)	RS1/16S474J	
R 1548(B,39,87)	RS1/16S474J	
R 1549(A,36,60)	RS1/16S103J	
R 1550(A,42,60)	RS1/16S103J	
R 1551(A,34,69)	RS1/16S103J	
R 1552(A,41,69)	RS1/16S103J	
R 1561(B,23,61)	RS1/16S271J	
R 1562(B,29,61)	RS1/16S271J	
R 1563(B,22,65)	RS1/16S121J	
R 1564(B,29,65)	RS1/16S121J	

Mark	No.	Description	Part No.
R	1565(B,22,70)		RS1/16S101J
R	1566(B,29,70)		RS1/16S101J
R	1567(B,21,86)		RS1/16S474J
R	1568(B,25,87)		RS1/16S474J
R	1569(A,23,60)		RS1/16S103J
R	1570(A,29,60)		RS1/16S103J
R	1571(A,21,69)		RS1/16S103J
R	1572(A,27,69)		RS1/16S103J
R	1573(A,65,46)		RS1/16S473J
R	1574(A,62,46)		RS1/16S471J
R	1575(A,63,44)		RS1/16S473J
R	1576(A,61,43)		RS1/16S471J

CAPACITORS

C	1413(A,118,70)		CKSRYB103K50
C	1414(A,107,72)		CKSRYB103K50
C	1415(A,131,70)		CKSRYB103K50
C	1416(A,117,73)		CKSRYB103K50
C	1417(A,143,67)		CKSRYB103K50
C	1418(A,135,72)		CKSRYB103K50
C	1419(A,101,61)		CEAT101M10
C	1420(A,95,61)		CEAT101M10
C	1421(A,97,53)		CEAT101M10
C	1425(A,83,67)		CEAT101M10
C	1426(A,83,73)		CEAT101M10
C	1427(B,86,67)		CKSRYB104K16
C	1428(B,86,72)		CKSRYB104K16
C	1431(B,82,60)		CKSRYB224K10
C	1432(B,78,60)		CKSRYB224K10
C	1443(B,169,41)		CKSRYB104K16
C	1444(B,175,46)		CKSRYB104K16
C	1445(A,170,59)		CCSRCH120J50
C	1446(A,170,55)		CCSRCH120J50
C	1447(A,172,50)		CCSRCH120J50
C	1448(A,169,59)		CCSRCH330J50
C	1449(A,169,55)		CCSRCH330J50
C	1450(A,170,50)		CCSRCH330J50
C	1454(A,170,57)		CCSRCJ3R0C50
C	1455(A,170,52)		CCSRCJ3R0C50
C	1456(A,172,48)		CCSRCJ3R0C50
C	1469(A,130,54)		CKSRYB104K16
C	1470(A,128,54)		CCSRCH561J50
C	1471(A,163,58)		CEAT100M50
C	1472(A,163,53)		CEAT100M50
C	1473(A,166,46)		CEAT100M50
C	1490(B,147,85)		CKSRYB103K50
C	1491(B,133,85)		CKSRYB103K50
C	1492(B,105,85)		CKSRYB103K50
C	1493(B,91,85)		CKSRYB103K50
C	1501(B,63,84)		CCSRCH101J50
C	1502(B,67,85)		CCSRCH101J50
C	1507(B,60,70)		CCSRCH271J50
C	1508(B,66,70)		CCSRCH271J50
C	1521(B,49,84)		CCSRCH101J50
C	1522(B,53,85)		CCSRCH101J50
C	1527(B,47,70)		CCSRCH271J50
C	1528(B,53,70)		CCSRCH271J50
C	1531(A,60,78)	ELECT. CAPACITOR	CEAT470M25
C	1532(A,67,78)	ELECT. CAPACITOR	CEAT470M25
C	1533(A,47,78)	ELECT. CAPACITOR	CEAT470M25
C	1541(B,35,84)		CCSRCH101J50
C	1542(B,39,85)		CCSRCH101J50
C	1547(A,54,78)	ELECT. CAPACITOR	CEAT470M25
C	1548(A,34,78)	ELECT. CAPACITOR	CEAT470M25
C	1549(A,41,78)	ELECT. CAPACITOR	CEAT470M25
C	1550(A,21,78)	ELECT. CAPACITOR	CEAT470M25
C	1551(A,27,78)	ELECT. CAPACITOR	CEAT470M25
C	1561(B,21,84)		CCSRCH101J50
C	1562(B,25,85)		CCSRCH101J50
C	1567(A,60,46)		CKSRYB472K50
C	1568(A,58,44)		CKSRYB472K50
C	1569(B,34,70)		CCSRCH271J50
C	1570(B,40,70)		CCSRCH271J50
C	1571(B,20,70)		CCSRCH271J50
C	1572(B,27,70)		CCSRCH271J50
C	1591(B,58,86)		CKSRYB103K50
C	1593(B,30,86)		CKSRYB103K50

COMPLEX ASSY (AWK8021)

⚠ Y	14	AWG18 BOARD IN	ADX7500
⚠ Y	15	AWG18 BOARD IN	ADX7501

L DISPLAY ASSY

MISCELLANEOUS

IC	2301(B,164,214)	DISPLAY U-COM	PE5503A
IC	2402(A,237,230)	REMOTE RECEIVER UNIT	RPM7540-H9
Q	2401(B,205,185)	TRANSISTOR	RT1N241M
Q	2404(B,251,192)	TRANSISTOR	2SA1576A
Q	2405(B,231,192)	TRANSISTOR	RT1N241M
Q	2407(B,70,220)	DIGITAL TR(SC-70)	RT1N431M
Q	2408(B,65,214)	DIGITAL TR(SC-70)	RT1N431M
D	2404(B,238,190)	DIODE	1SS355
D	2405(B,254,195)	DIODE	1SS355
D	2406(B,252,209)	DIODE	DAN202U
D	2410(A,76,218)	LED(ORANGE)	SLI-343DCW(STU)
D	2412(A,58,214)	LED(RED)	SLI-343URW(RST)
D	2416(B,53,227)	DIODE	1SS355
L	2401(A,248,205)	RADIAL INDUCTOR	LFCA2R2J
V	2301(A,218,237)	FL TUBE DISPLAY	AAV7113
X	2301(A,179,197)	CERAMIC RESONATOR	VSS1142
CN	2301(A,269,204)	CONNECTOR	CKS3394
	2302(A,48,221)	17P CABLE HOLDER	51048-1700
	2303(A,267,196)	CABLE HOLDER(4P)	51063-0405
	2301(A,157,201)	FL HOLDER(FE)	VNF1096

RESISTORS

R	2301(B,104,240)		RS1/16S104J
R	2302(B,106,240)		RS1/16S104J
R	2303(B,108,240)		RS1/16S104J
R	2304(B,110,240)		RS1/16S104J
R	2305(B,112,240)		RS1/16S104J
R	2306(B,114,240)		RS1/16S104J
R	2307(B,116,240)		RS1/16S104J
R	2308(B,118,240)		RS1/16S104J
R	2309(B,120,240)		RS1/16S104J
R	2310(B,122,240)		RS1/16S104J
R	2311(B,124,240)		RS1/16S104J

Mark	No.	Description	Part No.
R	2312(B,126,240)		RS1/16S104J
R	2313(B,128,240)		RS1/16S104J
R	2314(B,130,240)		RS1/16S104J
R	2315(B,132,240)		RS1/16S104J
R	2316(B,134,240)		RS1/16S104J
R	2317(B,136,240)		RS1/16S104J
R	2318(B,138,240)		RS1/16S104J
R	2319(B,140,240)		RS1/16S104J
R	2320(B,142,240)		RS1/16S104J
R	2321(B,144,240)		RS1/16S104J
R	2322(B,146,240)		RS1/16S104J
R	2323(B,148,240)		RS1/16S104J
R	2324(B,150,240)		RS1/16S104J
R	2325(B,152,240)		RS1/16S104J
R	2326(B,154,240)		RS1/16S104J
R	2327(B,156,240)		RS1/16S104J
R	2328(B,158,240)		RS1/16S104J
R	2329(B,160,240)		RS1/16S104J
R	2330(B,162,240)		RS1/16S104J
R	2331(B,164,240)		RS1/16S104J
R	2332(B,166,240)		RS1/16S104J
R	2333(B,168,240)		RS1/16S104J
R	2334(B,170,240)		RS1/16S104J
R	2335(B,172,240)		RS1/16S104J
R	2336(B,174,240)		RS1/16S104J
R	2337(B,176,240)		RS1/16S104J
R	2338(B,180,240)		RS1/16S473J
R	2339(B,182,240)		RS1/16S473J
R	2340(B,184,240)		RS1/16S473J
R	2341(B,186,240)		RS1/16S473J
R	2342(B,188,240)		RS1/16S473J
R	2343(B,190,240)		RS1/16S473J
R	2344(B,192,240)		RS1/16S473J
R	2345(B,194,240)		RS1/16S473J
R	2346(B,196,240)		RS1/16S473J
R	2347(B,198,240)		RS1/16S473J
R	2348(B,200,240)		RS1/16S473J
R	2349(B,202,240)		RS1/16S473J
R	2350(B,204,240)		RS1/16S473J
R	2351(B,206,240)		RS1/16S473J
R	2352(B,208,240)		RS1/16S473J
R	2353(B,210,240)		RS1/16S473J
R	2354(B,198,200)		RS1/16S473J
R	2355(B,206,191)		RS1/16S473J
R	2356(B,190,207)		RS1/16S473J
R	2357(B,193,202)		RS1/16S473J
R	2358(B,181,201)		RS1/16S105J
R	2359(B,176,202)		RS1/16S104J
R	2361(B,172,197)		RS1/16S221J
R	2362(B,170,194)		RS1/16S221J
R	2363(B,169,194)		RS1/16S221J
R	2364(B,167,194)		RS1/16S221J
R	2366(B,162,198)		RS1/16S104J
R	2368(B,126,199)		RS1/16S473J
R	2369(B,131,208)		RS1/16S474J
R	2370(B,114,207)		RS1/16S221J
R	2371(B,136,208)		RS1/16S104J
R	2372(B,135,208)		RS1/16S221J
R	2373(B,133,208)		RS1/16S101J
R	2374(B,134,212)		RS1/16S221J
R	2375(B,129,208)		RS1/16S104J
R	2377(B,135,204)		RS1/16S474J
R	2378(B,133,204)		RS1/16S104J
R	2401(B,262,227)		RS1/16S221J
R	2402(B,260,227)		RS1/16S0R0J
R	2403(B,258,225)		RS1/16S0R0J
R	2404(B,256,224)		RS1/16S0R0J
R	2405(B,254,223)		RS1/16S0R0J
R	2406(B,201,185)		RS1/16S473J
R	2411(B,247,191)		RS1/16S0R0J
R	2412(B,249,192)		RS1/16S104J
R	2413(B,240,191)		RS1/16S472J
R	2414(B,237,196)		RS1/16S0R0J
R	2415(B,257,192)		RS1/16S104J
R	2416(B,251,195)		RS1/16S103J
R	2417(B,239,196)		RS1/16S102J
R	2419(B,232,240)		RS1/16S101J
R	2421(B,72,225)		RS1/16S331J
R	2422(B,64,219)		RS1/16S331J
R	2424(B,135,193)		RS1/16S472J

CAPACITORS

C	2303(B,221,238)		CKSRYB471K50
C	2304(A,230,236)	ELECT. CAPACITOR	CEAT101M35
C	2305(B,178,231)		CKSRYB471K50
C	2306(B,180,231)		CKSRYB471K50
C	2307(B,182,231)		CKSRYB471K50
C	2308(B,183,231)		CKSRYB471K50
C	2309(B,187,231)		CKSRYB471K50
C	2310(B,189,231)		CKSRYB471K50
C	2311(B,190,231)		CKSRYB471K50
C	2312(B,192,231)		CKSRYB471K50
C	2313(B,196,231)		CKSRYB471K50
C	2314(B,197,231)		CKSRYB471K50
C	2315(B,199,231)		CKSRYB471K50
C	2316(B,201,231)		CKSRYB471K50
C	2317(B,204,231)		CKSRYB471K50
C	2318(B,206,231)		CKSRYB471K50
C	2319(B,208,231)		CKSRYB471K50
C	2320(B,209,231)		CKSRYB471K50
C	2351(B,180,215)		CKSRYB103K50
C	2353(B,185,207)		CKSRYB104K25
C	2354(B,175,202)		CKSRYB104K25
C	2359(B,142,204)		CKSRYB103K50
C	2360(A,87,231)	ELECT. CAPACITOR	CEJQ470M50
C	2361(B,161,230)		CKSRYB103K50
C	2362(B,160,230)		CKSRYB103K50
C	2403(B,247,195)		CKSRYB103K50
C	2404(B,237,236)		CKSRYB103K50
C	2405(A,247,235)		CEJQ101M6R3
C	2406(B,245,209)		CKSRYB103K50
C	2407(A,229,210)		CEJQ221M6R3

M VOLUME ASSY

CAPACITORS

C	2453(B,299,186)		CKSRYB103K50
J	2451	JUMPER WIRE	D15A04-100-2651
S	2451(A,289,207)	SWITCH	VSG1024
S	2452(A,304,207)	SWITCH	VSG1024

Mark	No.	Description	Part No.
S	2453(A,314,207)	SWITCH	VSG1024
S	2454(A,302,174)	ROTARY ENCODER	ASX7048
	2451(A,278,202)	CABLE HOLDER(4P)	51063-0405

RESISTORS

R	2451(B,296,206)		RS1/16S681J
R	2452(B,311,206)		RS1/16S821J

CAPACITORS

C	2451(B,281,208)		CKSRYB102K50
C	2452(B,304,186)		CKSRYB103K50

N MULTI JOG ASSY

CAPACITORS

C	2501(B,148,108)		CKSRYB103K50
C	2502(B,36,129)		CKSRYB103K50
C	2503(B,33,129)		CKSRYB103K50
C	2551(B,151,141)		CKSRYB102K50
C	2561(B,79,113)		CKSRYB102K50
C	2571(B,18,181)		CKSRYB102K50
C	2580(B,148,113)		CCSRCH561J50
IC	2501(B,157,111)	CMOS IC	TC4094BF
Q	2501(B,162,146)	DIGITAL TR(SC-70)	RT1N431M
Q	2502(B,174,146)	DIGITAL TR(SC-70)	RT1N431M
Q	2503(B,195,146)	DIGITAL TR(SC-70)	RT1N431M
Q	2504(B,217,146)	DIGITAL TR(SC-70)	RT1N431M
Q	2505(B,237,147)	DIGITAL TR(SC-70)	RT1N431M
Q	2506(B,259,146)	DIGITAL TR(SC-70)	RT1N431M
Q	2507(B,280,146)	DIGITAL TR(SC-70)	RT1N431M
Q	2508(B,314,140)	DIGITAL TR(SC-70)	RT1N431M
Q	2509(B,131,147)	DIGITAL TR(SC-70)	RT1N431M
Q	2510(B,22,184)	DIGITAL TR(SC-70)	RT1N431M
Q	2511(B,121,147)	DIGITAL TR(SC-70)	RT1N431M
Q	2512(B,87,146)	DIGITAL TR(SC-70)	RT1N431M
D	2502(A,155,147)	LED(ORANGE)	SLR-343DC(NPQ)
D	2504(A,177,147)	LED(ORANGE)	SLR-343DC(NPQ)
D	2506(A,198,147)	LED(ORANGE)	SLR-343DC(NPQ)
D	2508(A,220,147)	LED(ORANGE)	SLR-343DC(NPQ)
D	2510(A,241,147)	LED(ORANGE)	SLR-343DC(NPQ)
D	2512(A,263,147)	LED(ORANGE)	SLR-343DC(NPQ)
D	2514(A,284,147)	LED(ORANGE)	SLR-343DC(NPQ)
D	2516(A,306,147)	LED(ORANGE)	SLR-343DC(NPQ)
D	2518(A,134,147)	LED(ORANGE)	SLR-343DC(NPQ)
D	2520(A,16,186)	LED(BLUE)	SLR343BC4T(JKLM)
D	2522(A,112,147)	LED(ORANGE)	SLR-343DC(NPQ)
D	2524(A,91,147)	LED(ORANGE)	SLR-343DC(NPQ)
J	2501	JUMPER WIRE	D20PDD1715E
S	2501(A,36,119)	ROTARY ENCODER	ASX7031
S	2551(A,154,141)	SWITCH	VSG1024
S	2552(A,181,141)	SWITCH	VSG1024
S	2553(A,202,141)	SWITCH	VSG1024
S	2554(A,224,141)	SWITCH	VSG1024
S	2555(A,245,141)	SWITCH	VSG1024
S	2556(A,267,141)	SWITCH	VSG1024
S	2557(A,288,141)	SWITCH	VSG1024
S	2558(A,310,141)	SWITCH	VSG1024
S	2561(A,74,117)	SWITCH	VSG1024
S	2562(A,106,91)	SWITCH	VSG1024
S	2563(A,120,91)	SWITCH	VSG1024
S	2564(A,135,91)	SWITCH	VSG1024
S	2565(A,150,91)	SWITCH	VSG1024
S	2566(A,165,91)	SWITCH	VSG1024
S	2567(A,179,91)	SWITCH	VSG1024
S	2571(A,15,179)	SWITCH	VSG1024
S	2572(A,18,142)	SWITCH	VSG1024
S	2573(A,33,142)	SWITCH	VSG1024
S	2574(A,48,142)	SWITCH	VSG1024
S	2575(A,90,141)	SWITCH	VSG1024
S	2576(A,116,141)	SWITCH	VSG1024
S	2577(A,138,141)	SWITCH	VSG1024
	2501(A,41,205)	17P CABLE HOLDER	51048-1700

RESISTORS

R	2501(B,151,152)		RS1/16S181J
R	2502(B,184,152)		RS1/16S181J
R	2503(B,194,152)		RS1/16S181J
R	2504(B,216,152)		RS1/16S181J
R	2505(B,237,152)		RS1/16S181J
R	2506(B,259,152)		RS1/16S181J
R	2507(B,280,152)		RS1/16S181J
R	2508(B,302,152)		RS1/16S181J
R	2509(B,142,152)		RS1/16S181J
R	2510(B,9,186)		RS1/16S391J
R	2511(B,119,152)		RS1/16S181J
R	2512(B,87,151)		RS1/16S181J
R	2513(B,160,103)		RS1/16S0R0J
R	2551(B,149,141)		RS1/16S472J
R	2552(B,173,141)		RS1/16S681J
R	2553(B,194,141)		RS1/16S821J
R	2554(B,216,141)		RS1/16S122J
R	2555(B,237,141)		RS1/16S162J
R	2556(B,258,141)		RS1/16S272J
R	2557(B,280,141)		RS1/16S512J
R	2558(B,301,142)		RS1/16S133J
R	2561(B,77,113)		RS1/16S472J
R	2562(B,106,98)		RS1/16S681J
R	2563(B,117,90)		RS1/16S821J
R	2564(B,132,90)		RS1/16S122J
R	2565(B,145,90)		RS1/16S162J
R	2566(B,160,90)		RS1/16S272J
R	2567(B,175,90)		RS1/16S512J
R	2571(B,12,181)		RS1/16S472J
R	2572(B,18,146)		RS1/16S681J
R	2573(B,30,142)		RS1/16S821J
R	2574(B,45,142)		RS1/16S122J
R	2575(B,87,141)		RS1/16S162J
R	2576(B,106,143)		RS1/16S272J
R	2577(B,130,141)		RS1/16S512J
R	2580(B,145,116)		RS1/16S561J

O HEADPHONE ASSY

CAPACITORS

C	2851(B,19,42)		CKSRYB392K50
C	2852(B,11,29)		CKSRYB392K50
C	2853(B,10,40)		CCSRCH471J50
C	2854(B,13,43)		CKSRYB103K50

Mark	No.	Description	Part No.
C	2855(B,13,45)		CKSRYB104K16
KN	2851(A,13,54)	WRAPPING TERMINAL	VNF1084
CN	2851(A,19,70)	4P JUMPER CONNECTOR	52147-0410
	2851(A,15,14)	PHONE JACK	AKN7029

RESISTORS

R	2851(B,20,26)		RS1/16S102J
R	2852(B,16,27)		RS1/16S0R0J

P FRONT-IN ASSY

CAPACITORS

C	2651(B,126,58)		CCSRCH221J50
C	2652(B,109,56)		CCSRCH221J50
C	2653(A,125,47)		CEAT100M50
C	2654(A,109,46)		CEAT100M50
C	2655(B,126,54)		CCSRCH101J50
C	2656(B,115,56)		CCSRCH101J50
C	2659(A,125,39)	ELECT. CAPACITOR	CEAT470M25
C	2660(A,109,39)	ELECT. CAPACITOR	CEAT470M25
C	2661(B,113,40)		CKSRYB103K50
C	2662(B,115,37)		CKSRYB103K50
C	2663(A,102,46)	ELECT. CAPACITOR	CEAT330M25
C	2664(A,102,40)	ELECT. CAPACITOR	CEAT330M25
C	2665(B,152,46)		CKSRYB103K50
C	2666(B,150,46)		CKSRYB223K50
C	2671(B,130,61)		CKSRYB103K50
C	2673(B,154,57)		CKSRYB104K16
C	2674(B,156,46)		CKSRYB103K50
C	2675(B,158,46)		CKSRYB223K50
C	2681(B,89,65)		CKSRYB104K16
C	2701(B,42,69)		CCSRCH471J50
C	2702(A,36,66)		CEAT100M50
C	2703(B,32,62)		CCSRCH101J50
C	2704(B,36,62)		CCSRCH330J50
C	2705(B,32,48)		CCSRCH330J50
C	2706(A,34,36)		CEAT100M50
C	2707(B,48,43)		CKSRYB103K50
C	2709(B,52,43)		CKSRYB223K50
C	2712(A,35,44)		CEAT100M50
C	2713(B,40,57)		CKSRYB103K50
C	2714(B,40,53)		CKSRYB103K50
C	2715(A,49,59)		CEAT100M50
C	2716(A,49,53)		CEAT100M50
C	2718(B,40,38)		CKSRYB102K50
C	2719(B,40,36)		CCSRCH221J50
C	2753(B,68,56)		CKSRYB104K16
C	2755(A,68,51)		CEAT101M16
C	2756(B,73,51)		CKSRYB104K16
C	2757(B,73,46)		CCSRCH471J50
IC	2701(B,36,55)	OP-AMP IC	BA4560RF
Q	2651(B,116,47)	CHIP TRANSISTOR	HN1C01FU
D	2701(B,29,62)	DIODE	DAN217
D	2702(B,33,32)	DIODE	UDZS5R1(B)
D	2703(B,31,29)	DIODE	UDZS5R1(B)
D	2704(B,28,46)	DIODE	UDZS5R1(B)
L	2653(B,117,59)	INDUCTOR	CTF1385
L	2671(B,143,58)	INDUCTOR	CTF1385
L	2681(B,92,65)	CHIP SOLID INDUCTOR	QTL1013

Mark	No.	Description	Part No.
L	2752(B,68,60)	CHIP FERRITE BEADS	VTL1169
L	2753(B,72,55)	CHIP FERRITE BEADS	VTL1169
JA	2651(A,109,69)	PIN JACK(4P)	XKX3003
JA	2652(A,88,77)	OPTICAL IN MOD.	GP1FMV51RK0F
JA	2701(A,45,73)	JACK REMOCON	RKN1004
JA	2751(A,65,76)	USB CONNECTOR	XKP3086
KN	2651(A,156,42)	WRAPPING TERMINAL	VNF1084
KN	3351(A,44,37)	WRAPPING TERMINAL	VNF1084
CN	2651(A,40,28)	CONNECTOR	CKS3382
CN	2652(A,67,42)	CONNECTOR	B4B-PH

RESISTORS

R	2651(B,121,58)		RS1/16S0R0J
R	2652(B,107,57)		RS1/16S0R0J
R	2653(B,128,58)		RS1/16S104J
R	2654(B,111,56)		RS1/16S104J
R	2655(B,128,54)		RS1/16S221J
R	2656(B,107,52)		RS1/16S221J
R	2657(B,124,54)		RS1/16S104J
R	2658(B,113,56)		RS1/16S104J
R	2659(B,122,46)		RS1/16S221J
R	2660(B,113,51)		RS1/16S221J
R	2661(B,118,46)		RS1/16S153J
R	2662(B,113,43)		RS1/16S153J
R	2663(B,120,46)		RS1/16S101J
R	2664(B,112,48)		RS1/16S101J
R	2665(B,100,46)		RS1/16S470J
R	2666(B,100,39)		RS1/16S470J
R	2668(B,131,57)		RS1/16S0R0J
R	2671(B,141,62)		RS1/16S750J
R	2672(B,145,62)		RS1/16S0R0J
R	2673(B,152,59)		RS1/16S750J
R	2674(B,150,64)		RS1/16S750J
R	2675(B,152,55)		RS1/16S0R0J
R	2676(B,148,58)		RS1/16S0R0J
R	2681(B,85,65)		RS1/16S101J
R	2701(B,41,65)		RS1/16S102J
R	2702(B,38,68)		RS1/16S682J
R	2703(B,40,69)		RS1/16S104J
R	2704(B,30,66)		RS1/16S101J
R	2705(B,34,62)		RS1/16S104J
R	2706(B,30,57)		RS1/16S472J
R	2707(B,38,62)		RS1/16S333J
R	2708(B,41,61)		RS1/16S101J
R	2709(B,30,48)		RS1/16S472J
R	2710(B,34,48)		RS1/16S333J
R	2711(B,36,48)		RS1/16S101J
R	2712(B,34,28)		RS1/16S104J
R	2714(B,34,38)		RS1/16S102J
R	2751(B,65,60)		RS1/16S0R0J
R	2752(B,63,60)		RS1/16S0R0J

Q PRIMARY ASSY

MISCELLANEOUS

⚠	IC	2001(A,305,99)	REGULATOR IC	NJM78M56FA
	Q	2001(B,281,60)	DIGITAL TR(SC-70)	RT1N431M
	D	2001(B,276,60)	DIODE	1SS355
	D	2002(B,276,65)	DIODE	1SS355
⚠	D	2003(B,296,87)	BRIDGE DIODE	S1WB(A)60SD

Mark	No.	Description	Part No.
	D 2004(B,304,75)	DIODE	1SS355
	D 2006(B,308,70)	DIODE	UDZS5R1(B)
⚠	L 2001(A,244,24)	LINE FILTER	XTF3004
	H 2001(A,243,46)	FUSE CLIP	AKR7001
	H 2002(A,223,46)	FUSE CLIP	AKR7001
	KN 2001(A,194,19)	SCREW PLATE	VNE1948
⚠	RY 2001(A,251,58)	JOE LOWPOWER RELAY	ASR7013
⚠	T 2001(A,273,84)	STANDBY TRANSFORMER	ATT7040
	CN 2001(A,301,115)	9P SOCKET	KP200TA9L
	CN 2002(A,246,115)	5P SOCKET	KP200TA5L
⚠	CN 2003(A,225,25)	AC CODE SOCKET	RKP1751

RESISTORS

R	2002(A,279,68)	CARBON FILM RESISTOR	RD1/4MUF101J
R	2003(B,305,70)		RS1/16S103J
R	2004(B,302,70)		RS1/16S332J

CAPACITORS

⚠ C	2002(A,266,26)	FILM CAPACITOR	ACE7013
⚠ C	2003(A,251,52)	SAFETY CAPACITOR	XCG3009
C	2004(A,290,106)	FILM CAPACITOR	CQMBA103J50
C	2010(A,309,106)		CEAT221M25
C	2011(B,310,85)		CKSRYB103K50
C	2012(A,303,88)	ELECT. CAPACITOR	CEAT102M25

R TRANS 1 ASSY

TRANS 1 ASSY has no service part.

SECONDARY ASSY (AWK7997)

MISCELLANEOUS

Y	11	AWG18 BOARD IN	ADX7504
Y	10	AWG18 BOARD IN	ADX7503
Y	9	AWG18 BOARD IN	ADX7502
Y	12	AWG18 BOARD IN	ADX7505

S TRANS 2-1 ASSY

MISCELLANEOUS

⚠ IC	3251(A,228,215)	PROTECTOR(7A)	AEK7021
⚠ IC	3252(A,239,164)	PROTECTOR(7A)	AEK7021
Q	3251(B,244,224)	CHIP TRANSISTOR	RN1901
Q	3252(B,253,224)	TRANSISTOR	UMD2N
Q	3253(B,261,224)	TRANSISTOR	UMD2N
⚠ D	3251(B,234,181)	BRIDGE DIODE	S1WB(A)60SD
D	3253(B,236,216)	DIODE	UDZS8R2(B)
D	3254(B,263,217)	DIODE	UDZS7R5(B)
D	3255(B,233,216)	DIODE	UDZS9R1(B)
D	3256(B,263,219)	DIODE	UDZS8R2(B)
D	3257(B,233,223)	DIODE	UDZS9R1(B)
D	3258(B,258,218)	DIODE	UDZS8R2(B)
D	3259(B,238,223)	DIODE	UDZS6R8(B)
D	3260(B,258,220)	DIODE	UDZS6R8(B)
D	3261(B,240,220)	DIODE	UDZS12(B)
D	3262(B,253,220)	DIODE	UDZS12(B)
D	3263(B,238,218)	DIODE	UDZS13(B)
D	3264(B,253,218)	DIODE	UDZS15(B)
D	3265(B,257,226)	DIODE	UDZS13(B)
D	3266(B,267,227)	DIODE	UDZS13(B)
J	3251	JUMPER WIRE	D20PDY0610E
	3251(A,261,193)	6P CABLE HOLDER	51048-0600

RESISTORS

⚠ R	3253(A,248,192)	METAL OXIDE RESISTOR	RS1LMF472J
⚠ R	3254(A,263,212)	METAL OXIDE RESISTOR	RS1LMF472J
⚠ R	3255(A,245,195)	CARBON FILM RESISTOR	RD1/2LMF332J
⚠ R	3256(A,259,215)	CARBON FILM RESISTOR	RD1/2LMF332J

CAPACITORS

C	3253(A,243,186)	ELECT. CAPACITOR	CEAT471M2A
C	3254(A,253,172)	ELECT. CAPACITOR	CEAT471M2A
C	3255(A,240,202)	ELECT. CAPACITOR	CEAT101M63
C	3256(A,240,213)	ELECT. CAPACITOR	CEAT101M63
C	3257(A,269,190)	ELECT. CAPACITOR	CEAT221M2A
C	3258(A,262,201)	ELECT. CAPACITOR	CEAT221M2A

T DIODE 1 ASSY

MISCELLANEOUS

⚠ D	3301(A,175,164)	DIODE	D5SBA20(B)
⚠ D	3302(A,175,199)	DIODE	D5SBA20(B)

RESISTORS

⚠ R	3301(A,194,172)	CARBON FILM RESISTOR	RD1/4MUF100J

CAPACITORS

C	3301(A,191,182)	FILM CAPACITOR	CFTLA104J2A
C	3302(A,196,177)	FILM CAPACITOR	CFTLA104J2A

U VH TR ASSY

MISCELLANEOUS

⚠ IC	3351(A,177,136)	IC PROTECTOR	ICP-N15
⚠ IC	3352(A,177,152)	IC PROTECTOR	ICP-N15
⚠ Q	3351(B,172,130)	CHIP TRANSISTOR	2SA1514K
⚠ Q	3352(A,162,135)	TRANSISTOR	2SB1186A
⚠ Q	3353(A,162,150)	TRANSISTOR	2SD1763A
⚠ Q	3354(B,172,145)	CHIP TRANSISTOR	2SC3906K
⚠ D	3351(B,173,141)	DIODE	1SR154-400
⚠ D	3352(B,176,157)	DIODE	1SR154-400
CN	3351(A,184,138)	6P JUMPER CONNECTOR	52147-0610

RESISTORS

R	3351(B,179,129)		RS1/16S471J
R	3352(B,168,128)		RS1/16S100J
R	3353(B,168,143)		RS1/16S100J
R	3354(B,177,144)		RS1/16S471J

V BRIDGE 1-L ASSY

MISCELLANEOUS

CN	5801(A,44,196)	23P PLUG	XKP3071
CN	5802(A,69,196)	23P PLUG	XKP3071
CN	5803(A,44,163)	9P PLUG	XKP3064
CN	5804(A,69,163)	9P PLUG	XKP3064
	5801(A,76,147)	PCB BINDER	VEF1040

Mark	No.	Description	Part No.

W PS/SP ASSY

MISCELLANEOUS

Q	3001(B,161,85)	CHIP TRANSISTOR	DTC114TUA
Q	3002(B,229,97)	CHIP TRANSISTOR	DTC114TUA
Q	3003(B,247,90)	CHIP TRANSISTOR	DTC114TUA
Q	3004(B,290,84)	CHIP TRANSISTOR	DTC114TUA
Q	3005(B,212,99)	CHIP TRANSISTOR	DTC114TUA
D	3001(B,168,80)	DIODE	1SS355
D	3002(B,165,80)	DIODE	1SS355
D	3003(B,216,88)	DIODE	1SS355
D	3004(B,213,88)	DIODE	1SS355
D	3005(B,247,82)	DIODE	1SS355
D	3006(B,244,82)	DIODE	1SS355
D	3007(B,291,79)	DIODE	1SS355
D	3008(B,289,79)	DIODE	1SS355
D	3009(B,217,99)	DIODE	1SS355
D	3010(B,215,99)	DIODE	1SS355
L	3011(A,188,78)	COIL	ATH1053
L	3021(A,146,69)	COIL	ATH1053
L	3031(A,199,83)	COIL	ATH1053
L	3041(A,258,82)	COIL	ATH1053
L	3051(A,236,90)	COIL	ATH1053
L	3061(A,299,74)	COIL	ATH1053
L	3071(A,280,84)	COIL	ATH1053
J	3009(A,174,89)	CONNECTOR ASSY	PF13PG-R07
KN	3001(A,318,64)	WRAPPING TERMINAL	VNF1084
RY	3001(A,163,81)	RELAY	ASR7001
RY	3002(A,211,89)	RELAY	ASR7001
RY	3003(A,242,83)	RELAY	ASR7001
RY	3004(A,286,82)	RELAY	ASR7001
RY	3005(A,219,103)	RELAY	ASR7001
CN	3001(A,190,33)	SPEAKER TERMINAL 8-P	AKE7119
CN	3002(A,274,33)	SPEAKER TERMINAL 6-P	AKE7108
CN	3007(A,313,90)	5P PLUG 5P PLUG	KM200TA5
CN	3008(A,313,145)	9P PLUG	KM200TA9
Y	13	AWG14 BOARD IN	ADX7512
Y	8	AWG14 BOARD IN	ADX7512

RESISTORS

⚠ R	3011(A,187,68)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠ R	3012(A,175,64)	METAL OXIDE RESISTOR	RS1LMF100J
⚠ R	3013(A,193,94)	METAL OXIDE RESISTOR	RS2LMF331J
⚠ R	3021(A,148,79)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠ R	3022(A,152,51)	METAL OXIDE RESISTOR	RS1LMF100J
⚠ R	3023(A,188,97)	METAL OXIDE RESISTOR	RS2LMF331J
⚠ R	3031(A,196,87)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠ R	3032(A,194,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠ R	3041(A,254,82)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠ R	3042(A,267,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠ R	3051(A,240,93)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠ R	3052(A,237,79)	METAL OXIDE RESISTOR	RS1LMF100J
⚠ R	3061(A,309,63)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠ R	3062(A,313,73)	METAL OXIDE RESISTOR	RS1LMF100J
⚠ R	3071(A,280,88)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠ R	3072(A,268,94)	METAL OXIDE RESISTOR	RS1LMF100J
⚠ R	3101(A,222,115)	CARBON FILM RESISTOR	RD1/4MUF473J
⚠ R	3102(A,252,115)	CARBON FILM RESISTOR	RD1/4MUF473J

CAPACITORS

C	3001(A,164,89)		CEAT101M50
C	3011(A,190,60)		CFTLA104J50
C	3012(A,203,53)		CFTLA104J50
C	3013(A,190,42)	FILM CAPACITOR	CQMBA103J50
C	3021(A,157,48)		CFTLA104J50
C	3022(A,157,39)		CFTLA104J50
C	3023(A,169,42)	FILM CAPACITOR	CQMBA103J50
C	3031(A,205,66)		CFTLA104J50
C	3032(A,200,60)		CFTLA104J50
C	3033(A,211,42)	FILM CAPACITOR	CQMBA103J50
C	3041(A,257,63)		CFTLA104J50
C	3042(A,253,57)		CFTLA104J50
C	3043(A,253,42)	FILM CAPACITOR	CQMBA103J50
C	3051(A,224,70)		CFTLA104J50
C	3052(A,230,70)		CFTLA104J50
C	3053(A,232,42)	FILM CAPACITOR	CQMBA103J50
C	3061(A,308,58)		CFTLA104J50
C	3062(A,302,53)		CFTLA104J50
C	3063(A,295,42)	FILM CAPACITOR	CQMBA103J50
C	3071(A,274,70)		CFTLA104J50
C	3072(A,279,65)		CFTLA104J50
C	3073(A,274,42)	FILM CAPACITOR	CQMBA103J50
C	3091(B,181,50)		CKSRYB222K50
C	3092(B,179,50)		CKSRYB222K50
C	3093(B,265,50)		CKSRYB222K50
C	3094(B,263,50)		CKSRYB222K50
C	3096(B,318,55)		CKSRYB222K50
C	3101(A,212,137)		ACH7255
C	3102(A,258,137)		ACH7255

X TRANS 2-2 ASSY

MISCELLANEOUS

H	3401(A,120,100)	FUSE CLIP	AKR7001
H	3402(A,98,100)	FUSE CLIP	AKR7001
H	3403(A,120,87)	FUSE CLIP	AKR7001
H	3404(A,98,87)	FUSE CLIP	AKR7001
H	3405(A,120,74)	FUSE CLIP	AKR7001
H	3406(A,98,74)	FUSE CLIP	AKR7001
H	3407(A,119,57)	FUSE CLIP	AKR7001
H	3408(A,97,57)	FUSE CLIP	AKR7001
H	3409(A,120,45)	FUSE CLIP	AKR7001
H	3410(A,98,45)	FUSE CLIP	AKR7001
J	3401(A,132,97)	CONNECTOR ASSY	PF12PG-R40

Y TRANS SIDE ASSY

MISCELLANEOUS

J	3201	JUMPER WIRE	D20PDY0410E
CN	3202(A,60,8)	CONNECTOR	CKS3382
CN	3203(A,319,21)	CONNECTOR	B13B-PH
	3201(A,84,28)	4P CABLE HOLDER	51048-0400

Z LOCAL P-SUPPLY ASSY

MISCELLANEOUS

⚠ IC	3502(A,120,181)	PROTECTOR(1.6A)	AEK7012
⚠ IC	3504(A,80,176)	IC	NJM78M05FA
⚠ IC	3505(A,80,226)	REGULATOR IC	NJM78M56FA
⚠ IC	3506(A,80,201)	IC	NJM79M05FA
⚠ IC	3510(A,111,238)	PROTECTOR(1.6A)	AEK7012

Mark	No.	Description	Part No.
⚠	Q 3501(B,110,149)	TRANSISTOR	UMD2N
⚠	Q 3502(A,80,151)	TRANSISTOR	2SD1763A
	Q 3503(B,144,140)	DIGITAL TRANSISTOR	DTC124EUA
	Q 3504(B,109,230)	CHIP TRANSISTOR	RSR015P03
	Q 3505(B,115,232)	DIGITAL TRANSISTOR	DTC124EUA
⚠	D 3501(B,120,163)	DIODE	1SR154-400
⚠	D 3502(B,124,163)	DIODE	1SR154-400
⚠	D 3503(B,128,163)	DIODE	1SR154-400
	D 3504(B,136,146)	DIODE	UDZS6R2(B)
	D 3505(B,138,146)	DIODE	UDZS6R2(B)
	D 3506(B,141,146)	DIODE	UDZS6R2(B)
	D 3507(B,143,146)	DIODE	UDZS6R2(B)
	D 3508(B,142,180)	DIODE	UDZS6R2(B)
⚠	D 3509(B,108,160)	DIODE	1SR154-400
⚠	D 3510(B,113,160)	DIODE	1SR154-400
	D 3511(B,106,137)	DIODE	UDZS27(B)
⚠	D 3512(A,117,196)	DIODE	D3SBA20(B)
	D 3513(B,86,180)	CHIP DIODE	RB501V-40
⚠	D 3514(A,95,181)	DIODE	MTZJ6R2(B)
	D 3515(B,87,236)	CHIP DIODE	RB501V-40
	D 3516(B,87,204)	CHIP DIODE	RB501V-40
	D 3529(B,80,196)	DIODE	1SS355
	J 3502 9P JUMPER WIRE		D20PDY0915E
	J 3503(A,152,132)	CONNECTOR ASSY	PF05PG-Q15
	J 3504(A,160,239)	CONNECTOR ASSY	PF10PG-R07
	J 3505(A,138,232)	CONNECTOR ASSY	PF09PG-R37
	J 3506 JUMPER WIRE		D20PDY0410E
	CN3501(A,141,151)	CONNECTOR	B12B-PH
	3506(A,150,167)	4P CABLE HOLDER	51048-0400
	3502(A,149,215)	9P CABLE HOLDER	51048-0900

RESISTORS

	R 3501(B,120,152)		RS1/16S473J
⚠	R 3503(A,127,156)	CARBON FILM RESISTOR	RD1/4MUF391J
	R 3504(B,111,142)		RS1/16S472J
	R 3505(B,108,142)		RS1/16S101J
	R 3506(B,140,139)		RS1/16S222J
⚠	R 3508(A,134,181)	CARBON FILM RESISTOR	RD1/4MUF4R7J
	R 3511(B,106,235)		RS1/16S103J
	R 3512(B,113,235)		RS1/16S101J

CAPACITORS

	C 3501(A,150,148)	FILM CAPACITOR	CQMBA104J50
	C 3502(A,122,168)	ELECT. CAPACITOR	CEANP101M35
	C 3503(A,118,157)	ELECT. CAPACITOR	CEAT101M35
	C 3504(A,123,147)		CEAT221M35
	C 3505(A,139,179)		CEAT101M16
	C 3506(A,133,145)		CEAT470M50
	C 3508(B,122,152)		CKSRYB103K50
	C 3510(A,110,171)	ELECT. CAPACITOR	CEANP102M16
	C 3511(A,107,154)	ELECT. CAPACITOR	CEAT102M35
	C 3512(A,112,133)		CEAT100M50
	C 3513(B,83,149)		CKSRYB102K50
	C 3514(A,145,136)		CEAT100M50
	C 3515(A,137,140)	ELECT. CAPACITOR	CEANP470M25
	C 3516(A,122,187)	FILM CAPACITOR	CQMBA104J50
	C 3517(B,83,175)		CKSRYB103K50
	C 3518(A,85,189)		CEAT221M16
	C 3519(A,117,208)	ELECT. CAPACITOR	CEAT682M16
	C 3520(A,134,208)	ELECT. CAPACITOR	CEAT222M16
	C 3521(B,83,224)		CKSRYB103K50
	C 3522(B,87,201)		CKSRYB103K50
	C 3523(A,88,227)		CEAT101M16
	C 3524(A,85,214)		CEAT101M16

AA DC/DC ASSY

MISCELLANEOUS

⚠	IC 651 (A,43,196)	REGULATOR IC	PQ1CG3032FZ
⚠	Q 651 (A,65,206)	TRANSISTOR	2SD1858X
	D 651 (B,45,207)	DIODE	RB051L-40
	D 652 (B,66,211)	DIODE	UDZS7R5(B)
⚠	D 653 (A,38,152)	DIODE	D3SBA20(B)
⚠	D 654 (A,68,231)	DIODE	MTZJ6R2(B)
	L 651 (A,50,212)	INDUCTOR	ATH7020
	KN 651 (A,40,181)	SCREW PLATE	VNE1948
	CN 651 (A,70,221)	3P TOP POST	B3B-EH
	CN 652 (A,70,166)	4P JUMPER CONNECTOR	52147-0410
	651 (A,52,146)	PCB BINDER	VEF1040

RESISTORS

⚠	R 651 (A,64,164)	CARBON FILM RESISTOR	RD1/4MUF4R7J
	R 652 (B,39,194)	CHIP METAL FILM R	RN1/16SE1800D
	R 653 (B,38,195)		RN1/16SE3001D
	R 654 (B,41,192)		RN1/16SE1001D
	R 655 (B,64,210)		RS1/16S302J
	R 656 (B,62,210)		RS1/16S101J

CAPACITORS

	C 651 (A,68,150)	FILM CAPACITOR	CQMBA104J50
	C 654 (A,59,176)	ELECT. CAPACITOR	CEAT103M16
	C 655 (A,67,189)	ELECT. CAPACITOR	CEHAZL102M16
	C 657 (A,55,226)	ELECT. CAPACITOR	CEHAZL102M6R3
	C 658 (A,67,214)		CEAT101M16
	C 659 (A,69,206)		CEAT101M16

AB IR I/O ASSY

MISCELLANEOUS

⚠	Q 3751(B,34,66)	TRANSISTOR	2SD1664
	D 3752(B,41,60)	DIODE	UDZS10(B)
	KN 3751(A,40,91)	SCREW PLATE	VNE1948
	CN 3701(A,58,46)	10P CONNECTOR	VKN1241
	CN 3702(A,74,44)	23P SOCKET	XKP3082
	CN 3703(A,28,43)	CONNECTOR	CKS3376

RESISTORS

	R 3703(B,25,84)		RS1/16S0R0J
	R 3752(A,38,66)	CARBON FILM RESISTOR	RD1/4MUF391J
	R 3755(B,48,62)		RS1/16S0R0J

CAPACITORS

	C 3701(B,49,81)		CKSRYB104K50
	C 3702(B,27,84)		CCSRCH471J50
	C 3752(A,38,61)		CEAT101M16
	C 3753(B,26,71)		CKSRYB103K50
	C 3754(B,24,71)		CKSRYB104K50

Mark	No.	Description	Part No.
	C 3755(B,28,71)		CKSRYB105K10
	C 3756(B,67,56)		CKSRYB103K50
	C 3757(B,71,58)		CCSRCH471J50

AC VIDEO CONNECT ASSY

MISCELLANEOUS

CN 3801(A,288,240)	CONNECTOR POST	S9B-PH
CN 3802(A,298,175)	21P PLUG	XKP3070
CN 3803(A,305,198)	15P PLUG	XKP3067
CN 3804(A,308,222)	13P PLUG	XKP3066

POWER AMP ASSY (AWK7922)

MISCELLANEOUS

J	3	JUMPER WIRE	D20PDY0525E
Y	1	LEAD WITH HOUSING	ADX7459
Y	6	LEAD WITH HOUSING	ADX7498
Y	4	LEAD WITH HOUSING	ADX7460
Y	3	LEAD WITH HOUSING	ADX7458
Y	2	LEAD WITH HOUSING	ADX7457
Y	5	LEAD WITH HOUSING	ADX7404

AD POWER AMP-L ASSY

MISCELLANEOUS

⚠ IC	5001(A,174,135)	DARLINGTON POWER IC	SAP17N(OY)
⚠ IC	5002(A,208,135)	DARLINGTON POWER IC	SAP17P(OY)
⚠ IC	5101(A,106,135)	DARLINGTON POWER IC	SAP17N(OY)
⚠ IC	5102(A,140,135)	DARLINGTON POWER IC	SAP17P(OY)
⚠ IC	5201(A,242,135)	DARLINGTON POWER IC	SAP17N(OY)
⚠ IC	5202(A,276,135)	DARLINGTON POWER IC	SAP17P(OY)
⚠ IC	5601(A,310,135)	DARLINGTON POWER IC	SAP17N(OY)
Q	5001(B,186,207)	CHIP TRANSISTOR	2SD2704K
Q	5002(B,174,194)	TRANSISTOR	IMT4
Q	5003(B,188,198)	CHIP TRANSISTOR	2SA1514K
⚠ Q	5004(A,185,184)	TRANSISTOR	2SA1145
Q	5005(A,161,191)	TRANSISTOR	2SC2705
Q	5041(B,149,195)	CHIP TR	2SA1255
Q	5101(B,132,207)	CHIP TRANSISTOR	2SD2704K
Q	5102(B,120,194)	TRANSISTOR	IMT4
Q	5103(B,134,198)	CHIP TRANSISTOR	2SA1514K
⚠ Q	5104(A,131,184)	TRANSISTOR	2SA1145
Q	5105(A,108,191)	TRANSISTOR	2SC2705
Q	5141(B,91,201)	CHIP TR	2SA1255
Q	5201(B,274,206)	CHIP TRANSISTOR	2SD2704K
Q	5202(B,262,193)	TRANSISTOR	IMT4
Q	5203(B,276,197)	CHIP TRANSISTOR	2SA1514K
⚠ Q	5204(A,273,183)	TRANSISTOR	2SA1145
Q	5205(A,250,191)	TRANSISTOR	2SC2705
Q	5241(B,238,197)	CHIP TR	2SA1255
⚠ D	5001(B,190,188)	CHIP ZENER DIODE	UDZS3R6(B)
⚠ D	5002(B,188,188)	DIODE	1SS355
⚠ D	5003(B,180,184)	DIODE	1SS355
⚠ D	5004(B,172,184)	DIODE	1SS355
⚠ D	5005(B,177,184)	DIODE	UDZS4R7(B)
⚠ D	5006(B,175,184)	DIODE	UDZS4R7(B)
D	5041(B,149,174)	DIODE	1SS355
D	5042(B,151,174)	DIODE	1SS355
D	5043(B,151,203)	DIODE	1SS355
D	5044(B,154,171)	DIODE	1SS355
⚠ D	5101(B,137,188)	CHIP ZENER DIODE	UDZS3R6(B)
⚠ D	5102(B,135,188)	DIODE	1SS355
⚠ D	5103(B,126,184)	DIODE	1SS355
⚠ D	5104(B,119,184)	DIODE	1SS355
⚠ D	5105(B,124,184)	DIODE	UDZS4R7(B)
⚠ D	5106(B,121,184)	DIODE	UDZS4R7(B)
D	5141(B,91,188)	DIODE	1SS355
D	5142(B,95,188)	DIODE	1SS355
D	5143(B,95,202)	DIODE	1SS355
D	5144(B,97,188)	DIODE	1SS355
⚠ D	5201(B,279,187)	CHIP ZENER DIODE	UDZS3R6(B)
⚠ D	5202(B,276,187)	DIODE	1SS355
⚠ D	5203(B,268,183)	DIODE	1SS355
⚠ D	5204(B,261,183)	DIODE	1SS355
⚠ D	5205(B,266,183)	DIODE	UDZS4R7(B)
⚠ D	5206(B,263,183)	DIODE	UDZS4R7(B)
D	5241(B,238,173)	DIODE	1SS355
D	5242(B,240,173)	DIODE	1SS355
D	5243(B,240,202)	DIODE	1SS355
D	5244(B,242,173)	DIODE	1SS355
CN	5001(A,319,200)	13P SOCKET	XKP3077
CN	5002(A,85,214)	11P SOCKET	XKP3076
CN	5003(A,312,191)	PLUG 6-P	KM250NA6L
CN	5004(A,176,224)	CONNECTOR POST	B2B-PH
	5001(A,160,225)	PCB BINDER	VEF1040

RESISTORS

R	5001(B,192,202)		RS1/16S102J
R	5002(B,180,202)		RS1/16S221J
R	5003(B,177,203)		RS1/16S333J
R	5004(B,192,205)		RS1/16S103J
R	5005(B,170,191)		RS1/16S152J
R	5006(B,168,198)		RS1/16S821J
R	5007(B,191,197)		RS1/16S2001F
R	5008(B,179,194)		RS1/16S682J
R	5009(A,183,193)	CARBON FILM RESISTOR	RD1/2VM473J
R	5010(B,190,183)		RS1/16S151J
R	5011(B,188,184)		RN1/16SE1201D
R	5012(B,162,195)		RS1/16S221J
⚠ R	5013(B,183,150)		RS1/16S330J
R	5021(B,176,153)		RS1/16S101J
R	5022(B,190,153)		RS1/16S101J
⚠ R	5023(A,196,166)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5024(A,162,176)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5025(B,163,156)	CHIP RESISTOR	ACN7132
⚠ R	5026(B,200,156)	CHIP RESISTOR	ACN7132
⚠ R	5027(A,190,166)	RESISTOR (0.18, 5W)	ACN7121
R	5029(B,167,203)		RN1/10SE3302D
R	5030(B,173,203)		RN1/16SE1001D
R	5031(B,173,205)		RN1/16SE1500D
R	5032(B,160,195)		RS1/16S151J
R	5041(B,147,169)		RS1/16S473J
R	5042(B,149,169)		RS1/16S223J
R	5043(B,145,169)		RS1/16S471J
R	5044(B,151,169)		RS1/16S471J
R	5045(B,151,179)		RS1/16S472J
R	5046(B,154,179)		RS1/16S472J
R	5047(B,150,187)		RS1/16S122J
R	5048(B,151,183)		RS1/16S154J

Mark	No.	Description		Part No.
	R 5049(B,154,183)			RS1/16S103J
	R 5050(B,152,187)			RS1/16S103J
	R 5101(B,139,202)			RS1/16S102J
	R 5102(B,126,202)			RS1/16S221J
	R 5103(B,123,203)			RS1/16S333J
	R 5104(B,139,205)			RS1/16S103J
	R 5105(B,116,191)			RS1/16S152J
	R 5106(B,115,198)			RS1/16S821J
	R 5107(B,138,197)			RS1/16S2001F
	R 5108(B,126,194)			RS1/16S682J
	R 5109(A,130,193)	CARBON FILM RESISTOR		RD1/2VM473J
	R 5110(B,137,183)			RS1/16S151J
	R 5111(B,135,184)			RN1/16SE1201D
	R 5112(B,109,195)			RS1/16S221J
⚠	R 5113(B,115,150)			RS1/16S330J
	R 5121(B,108,153)			RS1/16S101J
	R 5122(B,129,150)			RS1/16S101J
⚠	R 5123(A,138,166)	CARBON FILM RESISTOR		RD1/4MUF4R7J
⚠	R 5124(A,108,176)	CARBON FILM RESISTOR		RD1/4MUF4R7J
⚠	R 5125(B,99,156)	CHIP RESISTOR		ACN7132
⚠	R 5126(B,136,156)	CHIP RESISTOR		ACN7132
⚠	R 5127(A,132,166)	RESISTOR (0.18, 5W)		ACN7121
	R 5129(B,113,203)			RN1/10SE3302D
	R 5130(B,119,203)			RN1/16SE1001D
	R 5131(B,119,205)			RN1/16SE1500D
	R 5132(B,106,195)			RS1/16S151J
	R 5141(B,93,184)			RS1/16S473J
	R 5142(B,95,184)			RS1/16S223J
	R 5143(B,91,184)			RS1/16S471J
	R 5144(B,97,184)			RS1/16S471J
	R 5145(B,93,193)			RS1/16S472J
	R 5146(B,96,193)			RS1/16S472J
	R 5147(B,89,196)			RS1/16S122J
	R 5148(B,95,197)			RS1/16S154J
	R 5149(B,97,197)			RS1/16S103J
	R 5150(B,97,202)			RS1/16S103J
	R 5201(B,281,201)			RS1/16S102J
	R 5202(B,268,201)			RS1/16S221J
	R 5203(B,265,202)			RS1/16S333J
	R 5204(B,281,204)			RS1/16S103J
	R 5205(B,258,191)			RS1/16S152J
	R 5206(B,257,198)			RS1/16S821J
	R 5207(B,279,196)			RS1/16S2001F
	R 5208(B,268,193)			RS1/16S682J
	R 5209(A,271,192)	CARBON FILM RESISTOR		RD1/2VM473J
	R 5210(B,278,183)			RS1/16S151J
	R 5211(B,276,183)			RN1/16SE1201D
	R 5212(B,251,195)			RS1/16S221J
⚠	R 5213(B,257,149)			RS1/16S330J
	R 5221(B,251,153)			RS1/16S101J
	R 5222(B,265,153)			RS1/16S101J
⚠	R 5223(A,280,164)	CARBON FILM RESISTOR		RD1/4MUF4R7J
⚠	R 5224(A,249,175)	CARBON FILM RESISTOR		RD1/4MUF4R7J
⚠	R 5225(B,238,156)	CHIP RESISTOR		ACN7132
⚠	R 5226(B,276,156)	CHIP RESISTOR		ACN7132
⚠	R 5227(A,274,165)	RESISTOR (0.18, 5W)		ACN7121
	R 5229(B,255,202)			RN1/10SE3302D
	R 5230(B,261,202)			RN1/16SE1001D
	R 5231(B,261,204)			RN1/16SE1500D
	R 5232(B,248,195)			RS1/16S151J

Mark	No.	Description		Part No.
	R 5241(B,237,169)			RS1/16S473J
	R 5242(B,239,169)			RS1/16S223J
	R 5243(B,235,169)			RS1/16S471J
	R 5244(B,241,169)			RS1/16S471J
	R 5245(B,240,180)			RS1/16S472J
	R 5246(B,242,180)			RS1/16S472J
	R 5247(B,240,189)			RS1/16S122J
	R 5248(B,237,180)			RS1/16S154J
	R 5249(B,242,184)			RS1/16S103J
	R 5250(B,240,184)			RS1/16S103J
⚠	R 5292(B,300,156)	CHIP RESISTOR		ACN7132
⚠	R 5613(B,317,154)			RS1/16S330J
	R 5621(B,312,154)			RS1/16S101J

CAPACITORS

C 5001(A,183,203)			CEAT4R7M50
C 5002(B,177,200)			CCSRCH221J50
C 5004(B,167,194)			CKSRYB102K50
C 5007(A,195,193)			CEAT101M10
C 5008(B,164,195)	CAPACITOR(CERAMIC)		ACG7057
C 5009(A,179,189)	ELECT. CAPACITOR		CEAT100M2A
C 5011(B,169,142)	CAPACITOR(CERAMIC)		ACG7056
C 5012(B,197,142)	CAPACITOR(CERAMIC)		ACG7056
C 5015(B,168,205)			CCSRCH220J50
C 5016(B,168,207)			CCSRCH220J50
C 5017(A,172,207)			CEAT331M10
C 5023(A,190,180)			CEAT100M63
C 5024(A,166,184)			CEAT100M63
C 5032(B,162,199)			CKSRYB224K16
C 5041(A,147,190)			CEANP2R2M50
C 5051(A,217,183)	ELECT. CAPACITOR		CEAT100M2A
C 5052(A,222,177)	ELECT. CAPACITOR		CEAT100M2A
C 5101(A,129,203)			CEAT4R7M50
C 5102(B,123,200)			CCSRCH221J50
C 5104(B,113,194)			CKSRYB102K50
C 5107(A,141,193)			CEAT101M10
C 5108(B,111,195)	CAPACITOR(CERAMIC)		ACG7057
C 5109(A,125,189)	ELECT. CAPACITOR		CEAT100M2A
C 5111(B,101,142)	CAPACITOR(CERAMIC)		ACG7056
C 5112(B,130,142)	CAPACITOR(CERAMIC)		ACG7056
C 5115(B,115,205)			CCSRCH220J50
C 5116(B,115,207)			CCSRCH220J50
C 5117(A,119,207)			CEAT331M10
C 5123(A,137,180)			CEAT100M63
C 5124(A,112,184)			CEAT100M63
C 5132(B,108,199)			CKSRYB224K16
C 5141(A,88,191)			CEANP2R2M50
C 5201(A,271,202)			CEAT4R7M50
C 5202(B,265,199)			CCSRCH221J50
C 5204(B,255,194)			CKSRYB102K50
C 5207(A,283,192)			CEAT101M10
C 5208(B,253,195)	CAPACITOR(CERAMIC)		ACG7057
C 5209(A,267,187)	ELECT. CAPACITOR		CEAT100M2A
C 5211(B,243,142)	CAPACITOR(CERAMIC)		ACG7056
C 5212(B,271,142)	CAPACITOR(CERAMIC)		ACG7056
C 5215(B,257,204)			CCSRCH220J50
C 5216(B,257,206)			CCSRCH220J50
C 5217(A,261,206)			CEAT331M10
C 5223(A,287,181)			CEAT100M63
C 5224(A,255,184)			CEAT100M63

Mark	No.	Description	Part No.
	C 5232(B,250,199)		CKSRYB224K16
	C 5241(A,237,192)		CEANP2R2M50
	C 5611(B,307,142)	CAPACITOR(CERAMIC)	ACG7056

AE POSI 1-L ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠ TH	4501(A,54,223)	POSISTOR	PTFM04BH222Q2N34B0
J	4501(A,66,220)	CONNECTOR ASSY	PG02KS-E07

AF POSI 2-L ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠ TH	4502(A,79,235)	POSISTOR	PTFM04BC222Q2N34B0
J	4502(A,76,223)	CONNECTOR ASSY	PG02KS2E07

AG POWER AMP-R ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠ IC	5301(A,196,111)	DARLINGTON POWER IC	SAP17N(OY)
⚠ IC	5302(A,162,111)	DARLINGTON POWER IC	SAP17P(OY)
⚠ IC	5401(A,128,111)	DARLINGTON POWER IC	SAP17N(OY)
⚠ IC	5402(A,94,111)	DARLINGTON POWER IC	SAP17P(OY)
⚠ IC	5501(A,264,111)	DARLINGTON POWER IC	SAP17N(OY)
⚠ IC	5502(A,230,111)	DARLINGTON POWER IC	SAP17P(OY)
⚠ IC	5602(A,298,111)	DARLINGTON POWER IC	SAP17P(OY)
Q	5301(B,186,38)	CHIP TRANSISTOR	2SD2704K
Q	5302(B,176,52)	TRANSISTOR	IMT4
Q	5303(B,187,48)	CHIP TRANSISTOR	2SA1514K
⚠ Q	5304(A,185,62)	TRANSISTOR	2SA1145
Q	5305(A,161,55)	TRANSISTOR	2SC2705
Q	5341(B,146,56)	CHIP TR	2SA1255
Q	5401(B,132,38)	CHIP TRANSISTOR	2SD2704K
Q	5402(B,122,52)	TRANSISTOR	IMT4
Q	5403(B,133,48)	CHIP TRANSISTOR	2SA1514K
⚠ Q	5404(A,131,62)	TRANSISTOR	2SA1145
Q	5405(A,108,55)	TRANSISTOR	2SC2705
Q	5441(B,91,45)	CHIP TR	2SA1255
Q	5501(B,275,38)	CHIP TRANSISTOR	2SD2704K
Q	5502(B,266,52)	TRANSISTOR	IMT4
Q	5503(B,277,48)	CHIP TRANSISTOR	2SA1514K
⚠ Q	5504(A,274,63)	TRANSISTOR	2SA1145
Q	5505(A,252,55)	TRANSISTOR	2SC2705
Q	5541(B,239,49)	CHIP TR	2SA1255
Q	5571(B,223,38)	TRANSISTOR	2SC4081
Q	5572(B,220,38)	TRANSISTOR	2SC4081
⚠ D	5301(B,191,58)	CHIP ZENER DIODE	UDZS3R6(B)
⚠ D	5302(B,188,58)	DIODE	1SS355
⚠ D	5303(B,180,62)	DIODE	1SS355
⚠ D	5304(B,173,62)	DIODE	1SS355
⚠ D	5305(B,177,62)	DIODE	UDZS4R7(B)
⚠ D	5306(B,175,62)	DIODE	UDZS4R7(B)
D	5341(B,151,71)	DIODE	1SS355
D	5342(B,149,71)	DIODE	1SS355
D	5343(B,150,50)	DIODE	1SS355
D	5344(B,153,71)	DIODE	1SS355
⚠ D	5401(B,137,58)	CHIP ZENER DIODE	UDZS3R6(B)
⚠ D	5402(B,135,58)	DIODE	1SS355
⚠ D	5403(B,126,62)	DIODE	1SS355
⚠ D	5404(B,119,62)	DIODE	1SS355
⚠ D	5405(B,124,62)	DIODE	UDZS4R7(B)
⚠ D	5406(B,122,62)	DIODE	UDZS4R7(B)
D	5441(B,95,58)	DIODE	1SS355
D	5442(B,92,58)	DIODE	1SS355
D	5443(B,94,41)	DIODE	1SS355
D	5444(B,97,58)	DIODE	1SS355
⚠ D	5501(B,280,59)	CHIP ZENER DIODE	UDZS3R6(B)
⚠ D	5502(B,277,59)	DIODE	1SS355
⚠ D	5503(B,267,62)	DIODE	1SS355
⚠ D	5504(B,261,62)	DIODE	1SS355
⚠ D	5505(B,265,62)	DIODE	UDZS4R7(B)
⚠ D	5506(B,263,62)	DIODE	UDZS4R7(B)
D	5541(B,240,71)	DIODE	1SS355
D	5542(B,238,71)	DIODE	1SS355
D	5543(B,240,45)	DIODE	1SS355
D	5544(B,242,73)	DIODE	1SS355
CN	5301(A,319,31)	13P SOCKET	XKP3077
CN	5302(A,85,45)	11P SOCKET	XKP3076
CN	5303(A,312,68)	PLUG 6-P	KM250NA6L
CN	5304(A,143,23)	CONNECTOR POST	B2B-PH
	5002(A,236,21)	PCB BINDER	VEF1040

RESISTORS

R	5301(B,192,43)		RS1/16S102J
R	5302(B,180,42)		RS1/16S221J
R	5303(B,177,41)		RS1/16S333J
R	5304(B,192,40)		RS1/16S103J
R	5305(B,170,55)		RS1/16S152J
R	5306(B,168,47)		RS1/16S821J
R	5307(B,190,48)		RS1/16S2001F
R	5308(B,179,54)		RS1/16S682J
R	5309(A,183,48)	CARBON FILM RESISTOR	RD1/2VM473J
R	5310(B,191,62)		RS1/16S151J
R	5311(B,188,62)		RN1/16SE1201D
R	5312(B,162,51)		RS1/16S221J
⚠ R	5313(B,183,97)		RS1/16S330J
R	5321(B,190,93)		RS1/16S101J
R	5322(B,176,93)		RS1/16S101J
⚠ R	5323(A,196,79)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5324(A,161,70)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5325(B,203,91)	CHIP RESISTOR	ACN7132
⚠ R	5326(B,166,91)	CHIP RESISTOR	ACN7132
⚠ R	5327(A,172,80)	RESISTOR (0.18, 5W)	ACN7121
R	5329(B,168,44)		RN1/10SE3302D
R	5330(B,173,45)		RN1/16SE1001D
R	5331(B,173,43)		RN1/16SE1500D
R	5332(B,160,51)		RS1/16S151J
R	5341(B,150,75)		RS1/16S473J
R	5342(B,148,75)		RS1/16S223J
R	5343(B,153,75)		RS1/16S471J
R	5344(B,146,75)		RS1/16S471J
R	5345(B,152,65)		RS1/16S472J
R	5346(B,149,65)		RS1/16S472J
R	5347(B,145,62)		RS1/16S122J
R	5348(B,148,61)		RS1/16S154J
R	5349(B,150,61)		RS1/16S103J
R	5350(B,150,55)		RS1/16S103J
R	5401(B,139,43)		RS1/16S102J

Mark	No.	Description	Part No.
	R 5402(B,126,42)		RS1/16S221J
	R 5403(B,123,41)		RS1/16S333J
	R 5404(B,139,40)		RS1/16S103J
	R 5405(B,116,55)		RS1/16S152J
	R 5406(B,114,47)		RS1/16S821J
	R 5407(B,137,48)		RS1/16S2001F
	R 5408(B,126,54)		RS1/16S682J
	R 5409(A,129,48)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5410(B,137,62)		RS1/16S151J
	R 5411(B,135,62)		RN1/16SE1201D
	R 5412(B,109,51)		RS1/16S221J
⚠	R 5413(B,115,97)		RS1/16S330J
	R 5421(B,128,93)		RS1/16S101J
	R 5422(B,108,93)		RS1/16S101J
⚠	R 5423(A,138,80)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5424(A,107,70)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5425(B,135,91)	CHIP RESISTOR	ACN7132
⚠	R 5426(B,99,91)	CHIP RESISTOR	ACN7132
⚠	R 5427(A,114,80)	RESISTOR (0.18, 5W)	ACN7121
	R 5429(B,114,44)		RN1/10SE3302D
	R 5430(B,119,45)		RN1/16SE1001D
	R 5431(B,119,43)		RN1/16SE1500D
	R 5432(B,106,51)		RS1/16S151J
	R 5441(B,95,63)		RS1/16S473J
	R 5442(B,93,63)		RS1/16S223J
	R 5443(B,97,63)		RS1/16S471J
	R 5444(B,91,63)		RS1/16S471J
	R 5445(B,96,54)		RS1/16S472J
	R 5446(B,92,54)		RS1/16S472J
	R 5447(B,88,49)		RS1/16S122J
	R 5448(B,94,50)		RS1/16S154J
	R 5449(B,96,50)		RS1/16S103J
	R 5450(B,96,46)		RS1/16S103J
	R 5501(B,283,44)		RS1/16S102J
	R 5502(B,270,42)		RS1/16S221J
	R 5503(B,267,41)		RS1/16S333J
	R 5504(B,283,40)		RS1/16S103J
	R 5505(B,260,55)		RS1/16S152J
	R 5506(B,258,47)		RS1/16S821J
	R 5507(B,281,48)		RS1/16S2001F
	R 5508(B,270,54)		RS1/16S682J
	R 5509(A,273,48)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5510(B,280,63)		RS1/16S151J
	R 5511(B,277,63)		RN1/16SE1201D
	R 5512(B,253,51)		RS1/16S221J
⚠	R 5513(B,257,97)		RS1/16S330J
	R 5521(B,268,94)		RS1/16S101J
	R 5522(B,251,93)		RS1/16S101J
⚠	R 5523(A,280,82)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5524(A,250,70)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5525(B,277,91)	CHIP RESISTOR	ACN7132
⚠	R 5526(B,241,91)	CHIP RESISTOR	ACN7132
⚠	R 5527(A,256,80)	RESISTOR (0.18, 5W)	ACN7121
	R 5529(B,258,44)		RN1/10SE3302D
	R 5530(B,263,45)		RN1/16SE1001D
	R 5531(B,263,43)		RN1/16SE1500D
	R 5532(B,250,51)		RS1/16S151J
	R 5541(B,241,77)		RS1/16S473J
	R 5542(B,235,77)		RS1/16S223J
	R 5543(B,239,77)		RS1/16S471J
	R 5544(B,237,77)		RS1/16S471J
	R 5545(B,240,64)		RS1/16S472J
	R 5546(B,238,64)		RS1/16S472J
	R 5547(B,238,57)		RS1/16S122J
	R 5548(B,235,68)		RS1/16S154J
	R 5549(B,236,64)		RS1/16S103J
	R 5550(B,242,46)		RS1/16S103J
	R 5571(B,226,38)		RS1/16S472J
⚠	R 5592(B,301,91)	CHIP RESISTOR	ACN7132
	R 5622(B,311,93)		RS1/16S101J

CAPACITORS

	C 5301(A,183,43)		CEAT4R7M50
	C 5302(B,177,43)		CCSRCH221J50
	C 5304(B,167,51)		CKSRYB102K50
	C 5307(A,195,53)		CEAT101M10
	C 5308(B,164,51)	CAPACITOR(CERAMIC)	ACG7057
	C 5309(A,179,58)	ELECT. CAPACITOR	CEAT100M2A
	C 5311(B,197,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5312(B,170,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5315(B,168,41)		CCSRCH220J50
	C 5316(B,168,39)		CCSRCH220J50
	C 5317(A,172,39)		CEAT331M10
	C 5323(A,190,66)		CEAT100M63
	C 5324(A,165,62)		CEAT100M63
	C 5332(B,162,47)		CKSRYB224K16
	C 5341(A,145,66)		CEANP2R2M50
	C 5351(A,226,68)	ELECT. CAPACITOR	CEAT100M2A
	C 5352(A,222,62)	ELECT. CAPACITOR	CEAT100M2A
	C 5401(A,129,43)		CEAT4R7M50
	C 5402(B,123,43)		CCSRCH221J50
	C 5404(B,113,51)		CKSRYB102K50
	C 5407(A,141,53)		CEAT101M10
	C 5408(B,111,51)	CAPACITOR(CERAMIC)	ACG7057
	C 5409(A,125,58)	ELECT. CAPACITOR	CEAT100M2A
	C 5411(B,130,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5412(B,101,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5415(B,114,41)		CCSRCH220J50
	C 5416(B,114,39)		CCSRCH220J50
	C 5417(A,119,39)		CEAT331M10
	C 5423(A,137,66)		CEAT100M63
	C 5424(A,111,62)		CEAT100M63
	C 5432(B,108,47)		CKSRYB224K16
	C 5441(A,88,53)		CEANP2R2M50
	C 5501(A,273,43)		CEAT4R7M50
	C 5502(B,267,43)		CCSRCH221J50
	C 5504(B,257,51)		CKSRYB102K50
	C 5507(A,284,54)		CEAT101M10
	C 5508(B,255,51)	CAPACITOR(CERAMIC)	ACG7057
	C 5509(A,267,58)	ELECT. CAPACITOR	CEAT100M2A
	C 5511(B,271,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5512(B,243,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5515(B,258,41)		CCSRCH220J50
	C 5516(B,258,39)		CCSRCH220J50
	C 5517(A,263,39)		CEAT331M10
	C 5523(A,289,64)		CEAT100M63
	C 5524(A,254,62)		CEAT100M63
	C 5532(B,252,47)		CKSRYB224K16
	C 5541(A,238,54)		CEANP2R2M50
	C 5571(A,229,35)		CEAT331M10

Mark	No.	Description	Part No.
	C 5612(B,307,104)	CAPACITOR(CERAMIC)	ACG7056

AH POSI 1-R ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	TH 4503(A,54,235)	POSISTOR	PTFM04BH222Q2N34B0
	J 4551(A,66,232)	CONNECTOR ASSY	PG02KS-E07

AI POWER AMP IN ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	Q 5601(B,58,86)	CHIP TRANSISTOR	2SD2704K
	Q 5602(B,46,41)	TRANSISTOR	IMT4
	Q 5603(B,42,54)	CHIP TRANSISTOR	2SA1514K
⚠	Q 5604(A,32,55)	TRANSISTOR	2SA1145
	Q 5605(A,33,38)	TRANSISTOR	2SC2705
	Q 5641(B,11,26)	CHIP TR	2SA1255
⚠	D 5601(B,35,57)	CHIP ZENER DIODE	UDZS3R6(B)
⚠	D 5602(B,35,53)	DIODE	1SS355
⚠	D 5603(B,26,49)	DIODE	1SS355
⚠	D 5604(B,23,44)	DIODE	1SS355
⚠	D 5605(B,23,47)	DIODE	UDZS4R7(B)
⚠	D 5606(B,21,42)	DIODE	UDZS4R7(B)
	D 5641(B,18,23)	DIODE	1SS355
	D 5642(B,20,23)	DIODE	1SS355
	D 5643(B,13,21)	DIODE	1SS355
	D 5644(B,28,23)	DIODE	1SS355
	CN5601(A,71,64)	13P PLUG	XKP3066
	CN5602(A,56,31)	13P PLUG	XKP3066
	CN5603(A,76,131)	19P CONNECTOR	52044-1945
	CN5605(A,47,65)	SOCKET 6-P	KP250NA6
	CN5606(A,34,31)	SOCKET 6-P	KP250NA6
	5604(A,7,50)	5P CABLE HOLDER	51048-0500

RESISTORS

Mark	No.	Description	Part No.
	R 5601(B,58,93)		RS1/16S102J
	R 5602(B,54,41)		RS1/16S221J
	R 5603(B,52,41)		RS1/16S333J
	R 5604(B,57,82)		RS1/16S103J
	R 5605(B,46,36)		RS1/16S152J
	R 5606(B,41,38)		RS1/16S821J
	R 5607(B,42,59)		RS1/16S2001F
	R 5608(B,42,42)		RS1/16S682J
	R 5609(A,32,46)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5610(B,30,59)		RS1/16S151J
	R 5611(B,33,59)		RN1/16SE1201D
	R 5612(B,33,34)		RS1/16S221J
⚠	R 5623(A,65,58)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5624(A,65,40)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5627(A,19,56)	RESISTOR (0.18, 5W)	ACN7121
	R 5629(B,47,48)		RN1/10SE3302D
	R 5630(B,49,46)		RN1/16SE1001D
	R 5631(B,49,51)		RN1/16SE1500D
	R 5632(B,30,36)		RS1/16S151J
	R 5641(B,14,43)		RS1/16S473J
	R 5642(B,17,33)		RS1/16S223J
	R 5643(B,14,33)		RS1/16S471J
	R 5644(B,15,38)		RS1/16S471J
	R 5645(B,18,28)		RS1/16S472J
	R 5646(B,20,28)		RS1/16S472J
	R 5647(B,10,33)		RS1/16S122J
	R 5648(B,45,25)		RS1/16S154J
	R 5649(B,49,26)		RS1/16S103J
	R 5650(B,51,26)		RS1/16S103J

CAPACITORS

Mark	No.	Description	Part No.
	C 5601(A,53,45)		CEAT4R7M50
	C 5602(B,50,41)		CCSRCH221J50
	C 5604(B,44,36)		CKSRYB102K50
	C 5607(A,38,57)		CEAT101M10
	C 5608(B,36,42)	CAPACITOR(CERAMIC)	ACG7057
	C 5609(A,27,51)	ELECT. CAPACITOR	CEAT100M2A
	C 5615(B,45,47)		CCSRCH220J50
	C 5616(B,42,49)		CCSRCH220J50
	C 5617(A,47,52)		CEAT331M10
	C 5623(A,69,58)		CEAT100M63
	C 5624(A,69,42)		CEAT100M63
	C 5632(B,28,39)		CKSRYB224K16
	C 5641(A,12,35)		CEANP2R2M50

AJ POWER PROTECT ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 5701(B,19,110)	OP-AMP IC	BA4560RF
	Q 5701(B,26,161)	TRANSISTOR	RT1N241M
	Q 5702(B,16,161)	DIGITAL TR(SC-70)	RT1P241M
	Q 5703(B,16,151)	TRANSISTOR	RT1N241M
	Q 5704(B,33,100)	TRANSISTOR	2SC4081
	Q 5705(B,23,161)	TRANSISTOR	RT1N241M
	Q 5706(B,12,161)	DIGITAL TR(SC-70)	RT1P241M
	D 5701(B,23,94)	DIODE	1SS355
	D 5702(B,30,205)	DIODE	1SS355
	CN5701(A,28,171)	11P PLUG	XKP3065
	CN5702(A,15,138)	11P PLUG	XKP3065
	CN5703(A,8,85)	19P CONNECTOR	52044-1945
	CN5704(A,37,83)	CONNECTOR	S5B-PH
	CN5705(A,30,223)	17P CONNECTOR	52044-1745
	CN5706(A,38,222)	3PIN CONNECTOR	S3B-EH

RESISTORS

Mark	No.	Description	Part No.
	R 5701(B,23,151)		RS1/16S562J
	R 5702(B,21,151)		RS1/16S562J
	R 5703(B,10,181)		RS1/16S473J
	R 5705(B,18,187)		RS1/16S0R0J
	R 5706(B,19,151)		RS1/16S822J
	R 5707(B,18,181)		RS1/16S473J
	R 5708(B,13,187)		RS1/16S0R0J
	R 5710(B,17,118)		RS1/16S223J
	R 5711(B,13,112)		RS1/16S103J
	R 5712(B,13,108)		RS1/16S472J
	R 5713(B,23,106)		RS1/16S103J
	R 5714(B,24,131)		RS1/16S102J
	R 5715(B,27,101)		RS1/16S473J
	R 5716(B,29,101)		RS1/16S472J
	R 5717(B,33,95)		RS1/16S103J
	R 5718(B,30,210)		RS1/16S104J
	R 5720(B,31,95)		RS1/16S103J
	R 5721(B,29,95)		RS1/16S683J
	R 5746(B,20,181)		RS1/16S0R0J
	R 5747(B,18,161)		RS1/16S0R0J

Mark	No.	Description	Part No.
	R 5750(B,35,95)		RS1/16S0R0J
	R 5751(B,26,131)		RS1/16S0R0J
	R 5752(B,25,101)		RS1/16S0R0J

CAPACITORS

C 5701(B,13,181)		CKSRYB104K50
C 5702(B,15,181)		CKSRYB104K50
C 5703(B,23,110)		CKSRYB103K50
C 5704(B,23,114)		CKSRYB103K50
C 5705(B,31,101)		CKSRYB223K50
C 5706(B,37,217)		CKSRYB103K50

AK HDMI ASSY

MISCELLANEOUS

IC 101 (A,35,50)	HDMI/DVI CABLE EQ	CXB1442AR
IC 102 (A,43,33)	IC	TC7MB3257FK
IC 103 (A,40,11)	I2C BUS REPEATER IC	PCA9515ADP
IC 401 (A,62,35)	VIDEO DECODER IC	ADV7180BSTZ
IC 402 (A,76,29)	LOGIC IC	TC7WZU04FU
IC 701 (A,86,36)	VIDEO ENCODER IC	ADV7172KSTZ
⚠ IC 901 (A,99,18)	REGULATOR IC	NJM2845DL1-33
⚠ IC 902 (A,78,13)	REGULATOR IC	MM1591JF
⚠ IC 911 (A,44,21)	REGULATOR IC	NJM2872BF05
Q 101 (A,46,65)	CHIP TRANSISTOR	2SB1689
Q 102 (A,45,58)	DIGITAL TR(SC-70)	RT1N431M
Q 121 (A,42,39)	TRANSISTOR	RT1N241M
Q 151 (A,22,70)	TRANSISTOR	RT1N241M
Q 152 (A,18,51)	TRANSISTOR	RT1N241M
Q 153 (A,31,72)	DIGITAL TR(SC-70)	RT1P241M
Q 154 (A,22,48)	DIGITAL TR(SC-70)	RT1P241M
Q 155 (A,29,69)	TRANSISTOR	RT1N241M
Q 156 (A,22,51)	TRANSISTOR	RT1N241M
Q 451 (A,100,55)	CHIP TRANSISTOR	HN1C01FU
Q 731 (A,75,58)	TRANSISTOR	2SA1576A
Q 741 (A,78,53)	TRANSISTOR	2SA1576A
Q 751 (A,83,58)	TRANSISTOR	2SA1576A
Q 761 (A,86,53)	TRANSISTOR	2SA1576A
Q 771 (A,91,58)	TRANSISTOR	2SA1576A
Q 781 (A,94,53)	TRANSISTOR	2SA1576A
D 381 (A,106,60)	DIODE	UDZS5R1(B)
L 101 (A,45,67)	CHIP BEADS	ATL7010
⚠ L 351 (A,24,11)	COIL COIL	ATH7022
⚠ L 352 (A,24,15)	COIL COIL	ATH7022
⚠ L 353 (A,24,18)	COIL COIL	ATH7022
⚠ L 354 (A,24,22)	COIL COIL	ATH7022
L 401 (A,64,16)	CHIP BEADS	ATL7010
L 402 (A,74,41)	CHIP SOLID INDUCTOR	QTL1013
L 403 (A,54,15)	CHIP BEADS	ATL7010
L 404 (A,61,59)	CHIP BEADS	ATL7010
L 417 (A,72,30)	CHIP SOLID INDUCTOR	QTL1013
L 701 (A,104,46)	CHIP BEADS	ATL7010
L 702 (A,102,46)	CHIP BEADS	ATL7010
L 1001(A,94,24)	CHIP BEADS	ATL7010
L 1002(A,99,23)	CHIP BEADS	ATL7010
JA 101 (A,15,63)	HDMI CONNECTOR	AKP1318
JA 102 (A,15,41)	HDMI CONNECTOR	AKP1318
JA 301 (A,15,19)	HDMI CONNECTOR	AKP1318
X 401 (A,74,21)	CRYSTAL RESONATOR	ASS7069

Mark	No.	Description	Part No.
	CN 1001(A,103,64)	9P SOCKET	XKP3075
	CN 1002(A,69,64)	23P SOCKET	XKP3082
	CN 1003(A,110,21)	9P CONNECTOR	52044-0945

RESISTORS

R 101 (A,28,44)		RS1/16S102J
R 102 (A,40,43)		RS1/16S4701F
R 109 (A,43,60)		RS1/16S332J
R 110 (A,42,57)		RS1/16S682J
R 111 (A,46,61)		RS1/10S181J
R 115 (A,40,57)		RS1/16S103J
R 121 (A,39,39)		RS1/16S473J
R 122 (A,44,14)		RS1/16S0R0J
R 123 (A,45,16)		RS1/16S103J
R 124 (A,45,15)		RS1/16S103J
R 125 (A,44,10)		RS1/16S0R0J
R 129 (A,44,12)		RS1/16S0R0J
R 130 (A,44,11)		RS1/16S0R0J
R 151 (A,28,72)		RS1/16S102J
R 152 (A,18,53)		RS1/16S102J
R 153 (A,25,71)		RS1/16S473J
R 154 (A,39,26)		RS1/16S473J
R 191 (A,25,74)		RS1/16S0R0J
R 192 (A,25,73)		RS1/16S0R0J
R 351 (A,35,12)		RS1/16S332J
R 352 (A,35,10)		RS1/16S332J
R 386 (A,103,61)		RS1/16S473J
R 389 (A,105,61)		RS1/16S102J
R 391 (A,23,30)		RS1/16S0R0J
R 392 (A,23,28)		RS1/16S0R0J
R 403 (A,61,24)	RESISTOR ARRAY	RAB4CQ470J
R 404 (A,63,23)		RS1/16S470J
R 405 (A,70,30)		RS1/16S470J
R 406 (A,68,43)		RS1/10S0R0J
R 407 (A,50,42)		RS1/10S0R0J
R 408 (A,73,36)		RS1/16S132J
R 409 (A,72,36)		RS1/16S391J
R 410 (A,74,48)		RS1/10S0R0J
R 411 (A,49,57)		RS1/10S0R0J
R 412 (A,50,38)		RS1/16S332J
R 413 (A,47,37)		RS1/16S103J
R 414 (A,76,26)		RS1/16S105J
R 415 (A,72,26)		RS1/16S151J
R 416 (A,73,33)		RS1/16S101J
R 419 (A,50,35)		RS1/16S470J
R 420 (A,50,34)		RS1/16S470J
R 421 (A,53,31)	RESISTOR ARRAY	RAB4CQ470J
R 424 (A,51,38)		RS1/16S682J
R 451 (A,101,51)		RS1/16S103J
R 452 (A,101,49)		RS1/16S222J
R 453 (A,104,55)		RS1/16S103J
R 454 (A,101,48)		RS1/16S222J
R 702 (A,93,32)		RS1/16S103J
R 704 (A,95,32)		RS1/16S103J
R 705 (A,96,32)		RS1/16S103J
R 706 (A,98,32)		RS1/16S103J
R 707 (A,95,36)		RS1/16S470J
R 708 (A,94,38)		RS1/16S470J
R 709 (A,94,40)		RS1/16S1201F

Mark	No.	Description	Part No.
R	710 (A,94,41)		RS1/16S1201F
R	711 (A,77,44)		RS1/16S1201F
R	712 (A,76,44)		RS1/16S1201F
R	713 (A,76,40)		RS1/16S470J
R	714 (A,79,40)		RS1/16S103J
R	716 (A,77,37)		RS1/16S103J
R	718 (A,76,37)		RS1/16S103J
R	719 (A,75,34)		RS1/16S332J
R	720 (A,77,34)		RS1/16S682J
R	721 (A,80,31)		RS1/16S470J
R	731 (A,79,48)		RS1/16S1500F
R	732 (A,78,50)		RS1/16S0R0J
R	733 (A,78,60)		RS1/16S102J
R	741 (A,82,48)		RS1/16S1500F
R	742 (A,81,50)		RS1/16S0R0J
R	743 (A,80,55)		RS1/16S102J
R	751 (A,86,48)		RS1/16S1500F
R	752 (A,85,50)		RS1/16S0R0J
R	753 (A,86,60)		RS1/16S102J
R	761 (A,89,48)		RS1/16S1500F
R	762 (A,88,50)		RS1/16S3R3J
R	763 (A,88,55)		RS1/16S102J
R	771 (A,93,48)		RS1/16S1500F
R	772 (A,92,50)		RS1/16S3R3J
R	773 (A,94,60)		RS1/16S102J
R	781 (A,96,48)		RS1/16S1500F
R	782 (A,95,50)		RS1/16S3R3J
R	783 (A,96,55)		RS1/16S102J
R	901 (A,82,19)		RS1/10S0R0J
R	911 (A,41,25)		RS1/16S101J
R	1101(A,99,60)		RS1/10S0R0J
R	1102(A,70,60)		RS1/10S0R0J

CAPACITORS

C	101 (A,28,42)		CKSRYB104K16
C	102 (A,40,42)		CKSRYB104K16
C	103 (A,42,50)		CKSRYB104K16
C	104 (A,38,67)		CEJQ101M16
C	105 (A,39,57)		CKSRYB104K16
C	106 (A,30,57)		CKSRYB104K16
C	107 (A,28,55)		CKSRYB104K16
C	108 (A,28,50)		CKSRYB104K16
C	109 (A,28,45)		CKSRYB104K16
C	121 (A,39,33)		CKSRYB104K16
C	125 (A,41,14)		CKSRYB104K16
C	351 (A,22,26)		CKSRYB104K16
C	401 (A,53,21)		CEJQ101M16
C	402 (A,59,27)		CKSRYB104K16
C	403 (A,52,26)		CKSRYB104K16
C	404 (A,63,27)		CKSRYB104K16
C	405 (A,70,35)		CKSRYB104K16
C	406 (A,76,24)		CCSRCH8R0D50
C	407 (A,72,24)		CCSRCH8R0D50
C	408 (A,73,29)		CKSRYB104K16
C	409 (A,72,39)	CHIP CAPACITOR	CKSRYB823K25
C	410 (A,71,39)		CKSRYB103K50
C	411 (A,71,42)		CKSRYB471K50
C	412 (A,72,43)		CKSQYB225K10
C	413 (A,69,48)		CKSRYB104K16
C	414 (A,66,48)		CKSRYB104K16
C	415 (A,62,45)		CKSRYB104K16
C	416 (A,63,47)		CKSRYB104K16
C	417 (A,62,47)		CKSRYB104K16
C	418 (A,60,43)		CKSRYB104K16
C	419 (A,58,54)		CEJQ101M16
C	420 (A,58,45)		CKSRYB104K16
C	421 (A,57,45)		CKSRYB104K16
C	422 (A,55,45)		CKSRYB104K16
C	423 (A,59,13)		CEJQ101M16
C	424 (A,61,18)		CKSRYB104K16
C	425 (A,53,44)		CKSRYB104K16
C	426 (A,53,38)		CKSRYB103K50
C	427 (A,54,34)		CKSRYB104K16
C	451 (A,101,52)		CCSRCH101J50
C	452 (A,103,55)		CCSRCH101J50
C	701 (A,107,39)		CEJQ101M16
C	702 (A,107,45)		CKSRYB104K16
C	703 (A,89,29)		CKSRYB104K16
C	704 (A,93,36)		CKSRYB104K16
C	705 (A,94,43)		CKSRYB104K16
C	706 (A,89,45)		CKSRYB104K16
C	707 (A,86,45)		CKSRYB104K16
C	708 (A,83,45)		CKSRYB104K16
C	709 (A,77,46)		CKSRYB104K16
C	710 (A,100,45)		CKSRYB105K16
C	711 (A,100,39)		CEJQ101M16
C	712 (A,79,44)		CKSRYB104K16
C	713 (A,78,34)		CKSRYB103K50
C	714 (A,79,34)		CKSRYB104K16
C	731 (A,74,60)		CKSRYB104K16
C	741 (A,77,55)		CKSRYB104K16
C	751 (A,82,60)		CKSRYB104K16
C	761 (A,85,55)		CKSRYB104K16
C	771 (A,90,60)		CKSRYB104K16
C	781 (A,93,55)		CKSRYB104K16
C	901 (A,92,20)		CKSRYB105K16
C	902 (A,92,16)		CKSQYB225K10
C	904 (A,80,17)		CKSRYB105K16
C	905 (A,76,10)		CKSRYB471K50
C	906 (A,77,17)		CKSQYB225K10
C	911 (A,41,20)		CKSRYB104K16
C	912 (A,46,22)		CKSRYB103K50
C	913 (A,44,24)		CKSQYB225K10
C	1001(A,97,27)		CKSRYB104K16
C	1002(A,102,28)		CEJQ101M16
C	1012(A,104,25)		CKSRYB104K16
C	1013(A,110,18)		CKSRYB102K50

AL USB ASSY(VSX-1017AV ONLY)

MISCELLANEOUS

	IC	701 (A,35,38) USB MEDIA CONTROL IC	TCC8600-00X-EA-UG
⚠	IC	702 (A,63,28) IC	NJM2872BF18
⚠	IC	703 (A,84,25) IC	NJM2886DL3-33
	IC	741 (A,64,16) IC	TC7SZ125FU
	IC	761 (A,67,47) SD-RAM(64M)	HY57V641620ETP-H
	IC	762 (A,90,42) FLASH ROM	AYW7146
	IC	771 (A,67,22) LOAD SWITCHING	AAT4618IGV-0.5-1

Mark	No.	Description	Part No.
IC	951 (A,59,17)	L-MOS AND GATE	TC7SET08FUS1
Q	771 (A,33,24)	DIGITAL TRANSISTOR	DTC143EUA
L	701 (A,41,54)	INDUCTOR	LCTC100K1608
L	702 (A,46,53)	CHIP SOLID INDUCTOR	QTL1013
L	703 (A,23,54)	CHIP SOLID INDUCTOR	QTL1013
L	704 (A,21,29)	CHIP SOLID INDUCTOR	QTL1013
L	731 (A,43,59)	CHIP FERRITE BEADS	VTL1169
L	733 (A,36,54)	COIL	VTH1043
L	741 (A,63,19)	CHIP SOLID INDUCTOR	QTL1013
L	761 (A,74,38)	CHIP SOLID INDUCTOR	QTL1013
L	762 (A,90,57)	CHIP SOLID INDUCTOR	QTL1013
L	763 (A,47,16)	CHIP SOLID INDUCTOR	QTL1013
L	952 (A,57,14)	CHIP SOLID INDUCTOR	QTL1013
X	702 (A,49,46)	CRYSTAL OSCILLATOR	CSS1614
CN	701 (A,39,60)	PLUG(4P)	KM200NA4
CN	702 (A,87,16)	11P SOCKET	XKP3076

RESISTORS

R	702 (A,48,39)		RS1/16SS101J
R	703 (A,50,40)		RS1/16SS101J
R	704 (A,42,46)		RS1/16SS472J
R	705 (A,25,37)		RS1/16SS472J
R	707 (A,36,49)		RS1/16SS473J
R	708 (A,40,53)		RS1/16SS101J
R	709 (A,41,47)		RS1/16SS103J
R	710 (A,50,39)		RS1/16SS101J
R	711 (A,48,37)		RS1/16SS101J
R	712 (A,29,48)		RS1/16SS101J
R	713 (A,30,49)		RS1/16SS101J
R	714 (A,31,48)		RS1/16SS101J
R	717 (A,22,30)		RS1/16SS101J
R	718 (A,23,30)		RS1/16SS101J
R	719 (A,26,47)		RS1/16SS101J
R	720 (A,27,49)		RS1/16SS101J
R	724 (A,31,51)		RS1/16SS472J
R	725 (A,33,53)		RS1/16SS472J
R	726 (A,34,54)		RS1/16SS472J
R	727 (A,25,41)		RS1/16SS220J
R	728 (A,32,49)		RS1/16SS101J
R	729 (A,51,37)		RS1/16SS101J
R	732 (A,30,60)		RS1/16S0R0J
R	734 (A,30,61)		RS1/16S0R0J
R	735 (A,38,52)		RS1/16SS153J
R	736 (A,34,51)		RS1/16SS153J
R	737 (A,37,51)		RS1/16SS100J
R	738 (A,35,51)		RS1/16SS100J
R	739 (A,86,20)		RS1/16SS221J
R	740 (A,33,50)		RS1/16SS101J
R	741 (A,66,19)		RS1/16SS560J
R	742 (A,77,23)		RS1/16SS101J
R	743 (A,75,23)		RS1/16SS101J
R	744 (A,73,23)		RS1/16SS101J
R	745 (A,88,19)		RS1/16SS472J
R	747 (A,45,41)		RS1/16S225J
R	748 (A,46,45)		RS1/16SS470J
R	752 (A,41,19)		RS1/16SS103J
R	756 (A,36,15)		RS1/16SS103J
R	763 (A,88,58)		RS1/16SS473J
R	771 (A,71,20)		RS1/16SS101J
R	772 (A,71,21)		RS1/16SS104J
R	951 (A,40,57)		RS1/16SS182J
R	952 (A,38,55)		RS1/16SS332J
R	953 (A,25,28)		RS1/16SS182J
R	954 (A,25,29)		RS1/16SS332J
R	955 (A,56,22)		RS1/16SS182J
R	956 (A,26,49)		RS1/16SS332J
R	958 (A,60,20)		RS1/16SS101J

CAPACITORS

C	701 (A,29,28)		CKSSYB104K10
C	702 (A,30,28)		CKSSYB471K50
C	703 (A,32,28)		CKSSYB104K10
C	704 (A,33,28)		CKSSYB471K50
C	705 (A,36,27)		CKSSYB104K10
C	706 (A,37,27)		CKSSYB471K50
C	707 (A,40,27)		CKSSYB104K10
C	708 (A,39,27)		CKSSYB471K50
C	709 (A,43,47)		CKSSYB104K10
C	710 (A,43,48)		CKSSYB471K50
C	711 (A,42,50)		CKSSYB104K10
C	712 (A,44,50)		CKSSYB471K50
C	713 (A,38,49)		CCSRCH331J50
C	714 (A,42,52)		CKSQYB225K10
C	715 (A,41,49)		CKSRYB122K50
C	716 (A,47,36)		CKSSYB104K10
C	717 (A,47,32)		CKSSYB104K10
C	718 (A,47,33)		CKSSYB471K50
C	719 (A,25,45)		CKSSYB471K50
C	720 (A,26,45)		CKSSYB104K10
C	721 (A,24,47)		CEJQ101M6R3
C	723 (A,23,33)		CKSSYB471K50
C	724 (A,24,34)		CKSSYB104K10
C	726 (A,21,41)		CKSSYB104K10
C	727 (A,26,39)		CKSSYB471K50
C	728 (A,24,39)		CKSSYB104K10
C	729 (A,25,35)		CKSSYB471K50
C	730 (A,65,27)		CKSSYB103K16
C	731 (A,27,54)		CEJQ101M16
C	732 (A,34,56)		CKSRYB104K16
C	733 (A,43,57)		CKSRYB104K16
C	734 (A,48,36)		CKSSYB471K50
C	735 (A,23,44)		CKSSYB103K16
C	736 (A,26,30)		CKSSYB471K50
C	739 (A,46,50)		CCSRCH100D50
C	740 (A,46,47)		CCSRCH471J50
C	741 (A,92,19)		CEJQ101M16
C	742 (A,92,24)		CKSRYB104K16
C	743 (A,93,27)		CKSQYB225K10
C	744 (A,97,26)		CEJQ470M10
C	745 (A,65,31)		CKSQYB105K16
C	746 (A,67,28)		CKSQYB475K6R3
C	747 (A,34,48)		CKSSYB104K10
C	748 (A,33,48)		CKSSYB471K50
C	751 (A,45,17)		CKSSYB104K10
C	752 (A,62,16)		CKSSYB104K10
C	761 (A,76,39)		CKSSYB104K10
C	762 (A,77,39)		CKSSYB471K50
C	763 (A,71,39)		CKSSYB471K50
C	764 (A,67,40)		CKSSYB471K50

Mark	No.	Description	Part No.
C	766 (A,57,40)		CKSSYB471K50
C	767 (A,90,55)		CKSSYB104K10
C	768 (A,90,54)		CKSSYB471K50
C	769 (A,43,55)		CKSRYB104K16
C	771 (A,71,25)		CKSQYB105K16
C	773 (A,64,23)		CKSRYB104K16
C	952 (A,57,17)		CKSRYB104K16

FM/AM TUNER UNIT

FM/AM TUNER UNIT has no service part.