

STR-DG710

SERVICE MANUAL

Ver. 1.1 2007.08

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model



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AUDIO POWER SPECIFICATIONS (US model)
POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 8 ohm loads, both channels driven, from 20 – 20,000 Hz;
rated 95 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

SPECIFICATIONS

Amplifier section

Models of area code US, CND¹⁾

Minimum RMS Output Power (8 ohms, 20 Hz – 20 kHz,
THD 0.09%)

95 W + 95 W

Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)

105 W + 105 W

Surround Mode Output Power²⁾ (8 ohms, 1 kHz, THD 10%)

140 W/ch

Models of area code AEP, UK, AUS³⁾

Minimum RMS Output Power (8 ohms, 20 Hz – 20 kHz,
THD 0.09%)

85 W + 85 W

Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)

100 W + 100 W

Surround Mode Output Power²⁾ (8 ohms, 1 kHz, THD 10%)

140 W/ch

Models of area code SP, MY, TH³⁾

Minimum RMS Output Power (8 ohms, 20 Hz – 20 kHz,
THD 0.09%)

70 W + 70 W

Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)

80 W + 80 W

Surround Mode Output Power²⁾ (8 ohms, 1 kHz, THD 10%)

120 W/ch

1) Measured under the following conditions:

Area code	Power requirements
US, CND	120 V AC, 60 Hz

2) Reference power output for front, center, surround and surround back speakers. Depending on the sound field settings and the source, there may be no sound output.

3) Measured under the following conditions:

Area code	Power requirements
AEP, UK, MY, SP, TH	230 V AC, 50 Hz
AUS	240 V AC, 50 Hz

Frequency response

Analog 10 Hz – 70 kHz
+0.5/-2 dB (with sound field and equalizer bypassed)

Inputs

Analog Sensitivity: 500 mV/50 kohms
S/N⁴⁾: 96 dB (A, 500 mV⁵⁾)
Digital (Coaxial) Impedance: 75 ohms
S/N: 100 dB (A, 20 kHz LPF)
Digital (Optical) S/N: 100 dB (A, 20 kHz LPF)

Outputs (Analog)

AUDIO OUT Voltage: 500 mV/10 kohms
SUB WOOFER Voltage: 2 V/1 kohm

Equalizer

Gain levels ±6 dB, 1 dB step

4) INPUT SHORT (with sound field and equalizer bypassed).

5) Weighted network, input level.

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-887-623-02

2007H04-1

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Sony Corporation

Home Audio Division

Published by Sony Techno Create Corporation

SONY®

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range

Area code	Tuning scale	
	10 kHz step	9 kHz step
US, CND	530 – 1,710 kHz ⁶⁾	531 – 1,710 kHz ⁶⁾
AEP, UK, AUS, SP, MY, TH	–	531 – 1,602 kHz

Antenna Loop antenna
Intermediate frequency 450 kHz

- 6) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down TUNING MODE, press $\text{I} \cup$. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

Video section

Inputs/Outputs

Video:	1 Vp-p/75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p/75 ohms
	Pb/Cb: 0.7 Vp-p/75 ohms
	Pr/Cr: 0.7 Vp-p/75 ohms

80 MHz HD Pass Through

General

Power requirements

Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP, UK	230 V AC, 50/60 Hz
AUS	240 V AC, 50 Hz
MY, SP, TH	230 – 240 V AC, 50/60 Hz

Power output (DIGITAL MEDIA PORT)

DC OUT: 5 V, 700 mA

Power consumption

Area code	Power consumption
US	250 W
CND	340 VA
AEP, UK, AUS	220 W
MY, SP, TH	210 W

Power consumption (during standby mode)

0.3 W (when "CONTROL" in
VIDEO menu is set to "CTRL
OFF")

Dimensions (w/h/d) (Approx.)

430 × 157.5 × 310 mm
(16 7/8 × 6 2/8 × 12 2/8 inches)
including projecting parts
and controls

Mass (Approx.)

7.8 kg (17 lb 4 oz)

Supplied accessories

- FM wire antenna (aerial) (1)
- AM loop antenna (aerial) (1)
- Remote commander RM-AAU014 (1) (US, CND)
- Remote commander RM-AAU015 (1) (EXCEPT US, CND)
- R6 (size-AA) batteries (2)
- Optimizer microphone (ECM-AC2 or ECM-AC2a) (1)

Design and specifications are subject to change
without notice.

• Abbreviation

- CND : Canadian model
- AUS : Australian model
- SP : Singapore model
- TH : Thai model

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

**ATTENTION AU COMPOSANT AYANT RAPPORT
À LA SÉCURITÉ!!**

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT (US MODEL)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.

Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

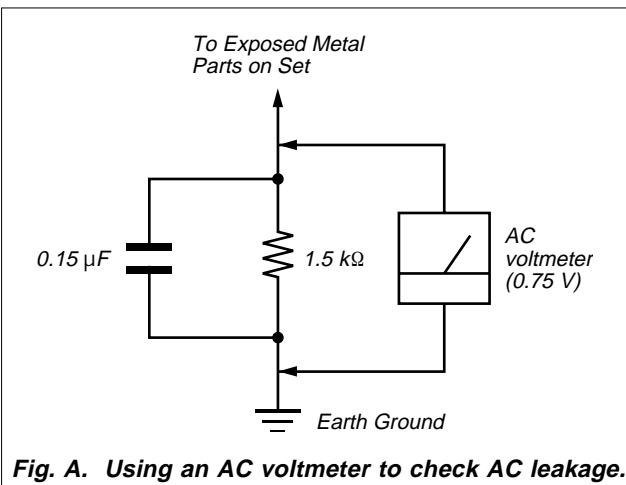
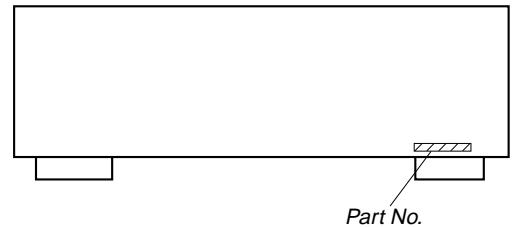


Fig. A. Using an AC voltmeter to check AC leakage.

NOTE OF REPLACING THE IC3511 AND IC3513 ON THE HDMI RE BOARD

When IC3511 and IC3513 on the HDMI RE board are damaged, exchange the new HDMI RE board for the HDMI RE board which IC damaged. When throwing away the HDMI RE board, be sure to throw away after destroying IC3511 and IC3513 physically with the hammer etc.

MODEL IDENTIFICATION — BACK PANEL —



MODEL	PART No.
US	2-898-467-0□
Canadian	2-898-467-1□
AEP, UK	2-898-467-2□
Malaysia, Singapore	2-898-467-3□
Australian	2-898-467-4□
Thai	2-898-467-5□

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

● UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350°C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

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SECTION 1

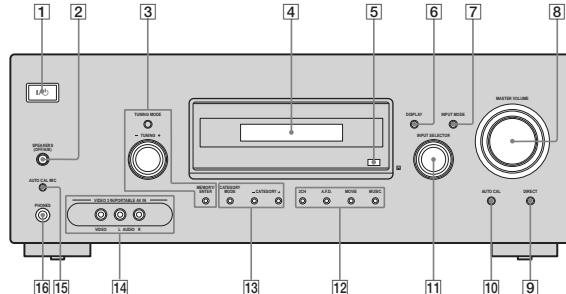
GENERAL

• US, Canadian MODEL

Getting Started

Description and location of parts

Front panel



Name	Function
① POWER (on/standby)	Press to turn the receiver on or off (page 26, 34, 35, 55, 82).
② SPEAKERS (OFF/A/B)	Press to select the front speaker system (page 27).
③ TUNING MODE	Press or turn to operate the tuner (FM/AM/XM) (page 55).
④ TUNING +/-	
⑤ MEMORY/ENTER	
⑥ Display	The current status of the selected component or a list of selectable items appears here (page 7).
⑦ Remote sensor	Receives signals from remote commander.
⑧ DISPLAY	Press to select information displayed on the display (page 73).

Name	Function
⑨ MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time (page 32, 33, 34, 35).
⑩ DIRECT	Press to listen to high quality analog sound (page 54).
⑪ AUTO CAL	Press to activate the Auto Calibration function (page 29).
⑫ INPUT SELECTOR	Turn to select the input source to play back (page 33, 34, 35, 54, 56, 58, 59, 67, 72, 74).

continued—
5us

Name	Function
⑬ CATEGORY MODE	Used when listening to XM Radio (page 60).
⑭ CATEGORY +/-	
⑮ VIDEO 3 IN/PORTABLE AV IN jacks	Connects to a portable audio/video component such as a camcorder or video game (page 24, 33).
⑯ AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Auto Calibration function (page 28).
⑰ PHONES jack	Connects to headphones (page 78).

This section is extracted from instruction manual.

About the indicators on the display

Name	Function
① SW	Lights up when sub woofer selection is set to "YES" (page 45) and the audio signal is output from the SUB WOOFER jack.
② LFE	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
③ SP A/SP B	Lights up according to the speaker system used. However, these indicators do not light up if the speaker output is turned off or if headphones are connected.
④ DOLBY D EX	"DOLBY D" lights up when the receiver is decoding Dolby Digital signals. "DOLBY D EX" lights up when the receiver is decoding Dolby Digital Surround EX signals.
⑤ Note	When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 67).
⑤ DOLBY PLI/PLII/PLIIx	"DOLBY PLI" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "DOLBY PLII" lights up when the Pro Logic II Movie/Music/Game decoder is activated. "DOLBY PLIIx" lights up when the Pro Logic IIx Movie/Music/Game decoder is activated. However, these indicators do not light up if both the center and surround speakers are set to "NO" (page 39) and you select a sound field using the A.F.D. button.
⑥ OPT	When INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to "OPT IN" (page 67).

Getting Started

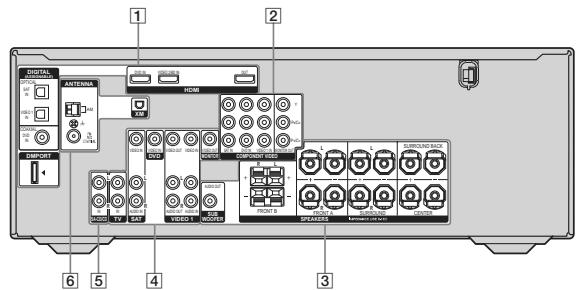
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6us

Name	Function
⑦ DTS/DTS-ES/DTS 96/24/DTS ES 96/24	"DTS" lights up when the receiver is decoding DTS signals. "DTS-ES" lights up when the receiver is decoding DTS-ES signals. "DTS 96/24" lights up when the receiver is decoding DTS 96/24 (96 kHz/24 bit) signals. "DTS-ES 96/24" lights up when the receiver is decoding DTS-ES 96/24 signals.
⑧ CAT	Note When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 67). "ALL CAT" mode is changed to "ONE CAT" mode during XM Radio operation (page 63).
⑨ MEMORY	Lights up when a memory function, such as Preset Memory (page 58), etc., is activated.
⑩ Tuner indicators	Lights up when using the receiver to tune in radio stations (page 55), etc.
⑪ Preset station indicators	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations, see page 57.
⑫ D.RANGE	Lights up when dynamic range compression is activated (page 37).
⑬ NEO:6	Lights up when DTS Neo:6 Cinema/Music decoder is activated (page 50).
⑭ COAX	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to "COAX IN" (page 67).
⑮ HDMI	Lights up when the receiver recognizes a component connected via a HDMI IN jack (page 18).

Name	Function
⑯ Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speaker settings).
L	Front Left
R	Front Right
C	Center (monaural)
SL	Surround Left
SR	Surround Right
S	Surround (monaural or the surround components obtained by Pro Logic processing)
SB	Surround back (the surround back components obtained by 6.1 channel decoding)

Example:
Recording format (Front/Surround): 3/2.1
Output channel: When surround speakers are set to "NO" (page 39)
Sound Field: A.F.D. AUTO

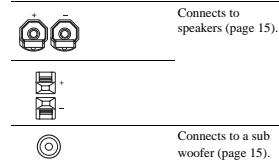


Rear panel**1 DIGITAL INPUT/OUTPUT section**

	OPTICAL IN jacks	Connects to a DVD player, etc.
	COAXIAL IN jack	The COAXIAL jack provides a better quality of loud sound (page 21, 23).
	HDMI IN/OUT jacks*	Connects to a DVD player, etc. The image and the sound are output to a TV or a projector (page 18).
	DMPORT jack	Connects to a DIGITAL MEDIA PORT adapter (page 69).

2 COMPONENT VIDEO INPUT/OUTPUT section

	COMPONENT VIDEO INPUT/OUTPUT jacks*	Connects to a DVD player, TV, or a satellite tuner.
	Blue (Pa/Cs) OUTPUT jacks*	You can enjoy high quality image (page 20-23).
	Red (Pr/Cr)	

Getting Started**3 SPEAKERS section**

Connects to speakers (page 15).

4 VIDEO/AUDIO INPUT/OUTPUT section

	AUDIO IN/OUT jacks	Connects to a VCR, a DVD player, etc. (page 20-24).
	VIDEO IN/OUT jacks*	

5 AUDIO INPUT section

	AUDIO IN jacks	Connects to a CD player, etc. (page 16).
	Red (R)	

continued

9us

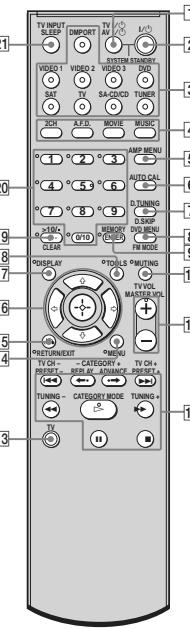
6 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna (aerial) supplied with this receiver (page 25).
	AM ANTENNA terminals	Connects to the AM loop antenna (aerial) supplied with this receiver (page 25).
	XM ANTENNA jack	Connects to the XM Connect-and-Play antenna (not supplied) (page 61).

* You can watch the selected input image when you connect the MONITOR OUT or HDMI OUT jack to a TV or projector (page 20).

Remote commander

You can use the supplied remote RM-AAU014 to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate (page 74).

**Name Function**

	Press TV and TV (13) at the same time to turn the TV on or off.
	Press to turn on or off the Sony audio/video components that the remote is assigned to operate (page 74). If you press (2) at the same time, it will turn off the receiver and other components (SYSTEM STANDBY).
Note	The function of the AV switch changes automatically each time you press the input buttons (3).
	Press to turn the receiver on or off. To turn off all components, press and AV (1) at the same time (SYSTEM STANDBY).

3 Input buttons	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can change the button assignments following the steps in "Changing button assignments" on page 74.
------------------------	--

Button	Assigned Sony component
DMPORT	DIGITAL MEDIA PORT adapter
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 2)
VIDEO 3	Not assigned
DVD	DVD player
SAT	Digital Satellite Receiver
TV	TV
SA-CD/CD	Super Audio CD/CD player
TUNER	Built-in tuner

continued

10us

Name Function

4	2CH	Press to select a sound field.
	A.F.D.	
	MOVIE	
	MUSIC	
5	AMP MENU	Press to display the menu of the receiver. Then, use , , , and (16) to perform menu operations.
6	AUTO CAL	Press to activate the Auto Calibration function.
7	D.TUNING	Press to enter direct tuning mode.
	D.SKIP	Press to skip a disc when using a multi-disc changer.
8	DVD MENU	Press to display the menu of the DVD player on the TV screen. Then, use , , , and (16) to perform menu operations.
	FM MODE	Press to select the FM monaural or stereo reception.
9	ENTER	Press to enter the value after selecting a channel, disc or track using the numeric buttons of the VTR, VCR or satellite tuner.
	MEMORY	Press to store a station.
10	MUTING	Press to activate the muting function. Press MUTING and TV (13) at the same time to activate the TV's muting function.
11	TV VOL +/–	Press TV VOL +/- and TV (13) at the same time to adjust the TV volume level.
	MASTER VOL +/–	Press to adjust the volume level of all speakers at the same time.
12	◀▶◀▶ ^{b)}	Press to skip a track of the CD player, DVD player or blu-ray disc player.
	REPLAY ←/→ ADVANCE →	Press to replay the previous scene or fast forward the current scene of the VCR, DVD player or blu-ray disc player.

continued

11us

Name Function

15	RETURN/EXIT ↺	Press to – return to the previous menu. – exit the menu while the menu or on-screen guide of the VCR, DVD player, satellite tuner or blu-ray disc player is displayed on the TV screen.
16		After pressing AMP MENU (5), DVD MENU (8), or MENU (14), press , , , or to select the settings. Then, press to enter the selection for DVD MENU or MENU. Press also to enter the selection of the receiver, VCR, satellite tuner, CD player, DVD player or blu-ray disc player.
17	DISPLAY	Press to select information displayed on the TV screen of the VCR, satellite tuner, CD player, DVD player or blu-ray disc player. Press DISPLAY and TV (13) at the same time to display TV's information on the TV screen.
18	TOOLS	Press to display options applicable to the entire disc (e.g. disc protection), recorder (e.g. audio settings during recording), or multiple items on a list menu (e.g. erasing multiple titles). Press TOOLS and TV (13) at the same time to display options applicable to the TV.

12us

Name	Function
19 $\leftarrow\rightarrow$	Press $\leftarrow\rightarrow$ and TV (13) at the same time to select the channel entry mode, either one or two digits of the TV.
>10/-	Press to select – track numbers over 10 of the VCR, satellite tuner or CD player. – channel numbers of the Digital CATV terminal.
CLEAR	Press to clear a mistake when you press the incorrect numeric button.
20 Numeric buttons (number 5 ^{a)})	Press to – preset/tune to preset stations. – select track numbers of the CD player, DVD player or blu-ray disc player. Press 0/10 to select track number 10. – select channel numbers of the VCR or satellite tuner. Press the numeric buttons and TV (13) at the same time to select the TV channels.
21 TV INPUT	Press TV INPUT and TV (13) at the same time to select the input signal (TV input or video input).
SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.

^{a)}The number 5, MASTER VOL +, TV VOL +, and $\leftarrow\rightarrow$ buttons have tactile dots. Use the tactile dots as references when operating the receiver.

b)This button is also available for DIGITAL MEDIA PORT adapter operation. For details on the function of the button, refer to the operating instructions supplied with the DIGITAL MEDIA PORT adapter.

Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

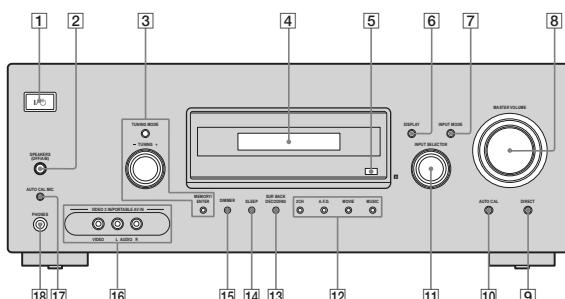
13^{ds}

• EXCEPT US, Canadian MODEL

Getting Started

Description and location of parts

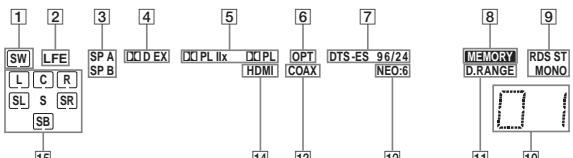
Front panel



Name	Function
1 I/O	Press to turn the receiver on or off (page 25, 33, 34, 54).
2 SPEAKERS (OFF/A/B)	Press to select the front speaker system (page 26).
3 TUNING MODE	Press or turn to operate the tuner (FM/AM) (page 54).
TUNING +/-	
MEMORY/ENTER	
4 Display	The current status of the selected component or a list of selectable items appears here (page 6).
5 Remote sensor	Receives signals from remote commander.
6 DISPLAY	Press to select information displayed on the display (page 59, 66).

Name	Function
7 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks (page 60).
8 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time (page 31, 32, 33, 34).
9 DIRECT	Press to listen to high quality analog sound (page 53).
10 AUTO CAL	Press to activate the Auto Calibration function (page 28).
11 INPUT SELECTOR	Turn to select the input source to play back (page 32, 33, 34, 53, 55, 57, 60, 65, 67).

Name	Function
12 2CH A.F.D.	Press to select a sound field (page 48).
MOVIE	
MUSIC	
13 SUR BACK DECODING	Press to select the surround back decoding mode (page 41).
14 SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically (page 66).
15 DIMMER	Press to adjust the brightness of the display (page 47).
16 VIDEO 3 IN/PORTABLE AV IN jacks	Connects to a portable audio/video component such as a camcorder or video game (page 23, 32).
17 AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Auto Calibration function (page 27).
18 PHONES jack	Connects to headphones (page 71).

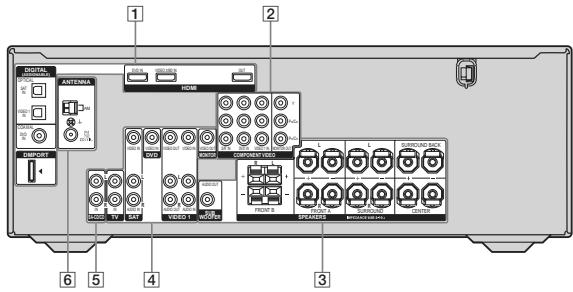
About the indicators on the display

Name	Function
1 SW	Lights up when sub woofer selection is set to "YES" (page 44) and the audio signal is output from the SUB WOOFER jack.
2 LFE	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 SP A/SP B	Lights up according to the speaker system used. However, these indicators do not light up if the speaker output is turned off or if headphones are connected.
4 D D EX	"D" lights up when the receiver is decoding Dolby Digital signals. "D EX" lights up when the receiver is decoding Dolby Digital Surround EX signals. Note: When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 60).

Name	Function
5 PLI	"PL" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals.
PLII	"PLII" lights up when the Pro Logic II Movie/Music/Game decoder is activated.
PLIIx	"PLIIx" lights up when the Pro Logic IIx Movie/Music/Game decoder is activated. However, these indicators do not light up if both the center and surround speakers are set to "NO" (page 38) and you select a sound field using the A.F.D. button. Note: Dolby Pro Logic IIx decoding does not function for DTS format signals or for signals with a sampling frequency of more than 48 kHz.
6 OPT	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to "OPT IN" (page 60).

Name	Function
7 DTS/ DTS-ES/ DTS 96/24/ DTS-ES 96/24	"DTS" lights up when the receiver is decoding DTS signals. "DTS-ES" lights up when the receiver is decoding DTS-ES signals. "DTS 96/24" lights up when the receiver is decoding DTS 96/24 (96 kHz/24 bit) signals. "DTS-ES 96/24" lights up when the receiver is decoding DTS-ES 96/24 signals.
8 MEMORY	Note: When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 60).
9 RDS ST MONO	Lights up when a memory function, such as Preset Memory (page 56), etc., is activated.
10 Preset station indicators	Lights up when using the receiver to tune in radio stations that you have preset. For details on presetting radio stations, see page 56.
11 D.RANGE	Lights up when dynamic range compression is activated (page 36).
12 NEO:6	Lights up when DTS Neo:6 Cinema/Music decoder is activated (page 49).
13 COAX	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to "COAX IN" (page 60).
14 HDMI	Lights up when the receiver recognizes a component connected via a HDMI IN jack (page 17).

Name	Function
15 Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speaker settings).
L	Front Left
R	Front Right
C	Center (surround)
SL	Surround Left
SR	Surround Right
S	Surround (monaural or the surround components obtained by Pro Logic processing)
SB	Surround back (the surround back components obtained by 6.1 channel decoding)

**Rear panel**

1 DIGITAL INPUT/OUTPUT section	
OPTICAL IN jacks	Connects to a DVD player, etc. The COAXIAL jack provides a better quality of sound (page 20, 22).
COAXIAL IN jack	
HDMI IN/OUT jacks*	Connects to a DVD player, etc. The image and the sound are output to a TV or a projector (page 17).
DIMPORT jack	Connects to a DIGITAL MEDIA PORT adapter (page 62).

2 COMPONENT VIDEO INPUT/OUTPUT section	
Green (Y) VIDEO INPUT/OUTPUT jacks*	Connects to a DVD player, TV, or a satellite tuner. You can enjoy high quality image (page 19 - 22).
Blue (Pb/Cb) VIDEO INPUT/OUTPUT jacks*	
Red (Pr/Cr) VIDEO INPUT/OUTPUT jacks*	

3 SPEAKERS section	
+	Connects to speakers (page 14).
-	
	Connects to a subwoofer (page 14).
4 VIDEO/AUDIO INPUT/OUTPUT section	
White (L) AUDIO IN/OUT jacks	Connects to a VCR, a DVD player, etc. (page 19 - 23).
Red (R) VIDEO IN/OUT jacks*	
Yellow VIDEO IN/OUT jacks*	

5 AUDIO INPUT section	
White (L) jacks	Connects to a CD player, etc. (page 15).
Red (R) jacks	

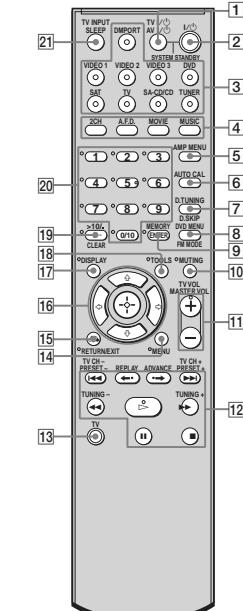
6 ANTENNA section

FM ANTENNA jack	Connects to the FM wire antenna (aerial) supplied with this receiver (page 24).
AM ANTENNA terminals	Connects to the AM loop antenna (aerial) supplied with this receiver (page 24).

* You can watch the selected input image when you connect the MONITOR OUT or HDMI OUT jack to a TV or projector (page 19).

Remote commander

You can use the supplied remote RM-AAU015 to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate (page 67).



Name	Function
[1] TV I/O (on/standby)	Press TV I/O and TV (13) at the same time to turn the TV on or off.
AV I/O (on/standby)	Press to turn on or off the Sony audio/video components that the remote is assigned to operate (page 67). If you press I/O (2) at the same time, it will turn off the receiver and other components (SYSTEM STANDBY). Note The function of the AV I/O switch changes automatically each time you press the input buttons (3).
[2] I/O (on/standby)	Press to turn the receiver on or off. To turn off all components, press I/O and AV I/O (1) at the same time (SYSTEM STANDBY).
[3] Input buttons	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can change the button assignments following the steps in "Changing button assignments" on page 67.
Button	Assigned Sony component
DMPORT	DIGITAL MEDIA PORT adapter
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 2)
VIDEO 3	Not assigned
DVD	DVD player
SAT	Digital Satellite Receiver
TV	TV
SA-CD/CD	Super Audio CD/CD player
TUNER	Built-in tuner

10^{GB}

Name	Function
[4] 2CH	Press to select a sound field.
A.F.D.	
MOVIE	
MUSIC	
[5] AMP MENU	Press to display the menu of the receiver. Then, use \uparrow , \downarrow , \leftarrow , \rightarrow and \oplus (16) to perform menu operations.
[6] AUTO CAL	Press to activate the Auto Calibration function.
[7] D.TUNING	Press to enter direct tuning mode.
D.SKIP	Press to skip a disc when using a multi-disc changer.
[8] DVD MENU	Press to display the menu of the DVD player on the TV screen. Then, use \uparrow , \downarrow , \leftarrow , \rightarrow and \oplus (16) to perform menu operations.
FM MODE	Press to select the FM monaural or stereo reception.
[9] ENTER	Press to enter the value after selecting a channel, disc or track using the numeric buttons of the TV, VCR or satellite tuner.
MEMORY	Press to store a station.
[10] MUTING	Press to activate the muting function. Press MUTING and TV (13) at the same time to activate the TV's muting function.
[11] TV VOL +/-	Press TV VOL +/- and TV (13) at the same time to adjust the TV volume level.
MASTER VOL +/−	Press to adjust the volume level of all speakers at the same time.
[12] < /> (b)	Press to skip a track of the CD player, DVD player or blu-ray disc player.
REPLAY ← / ADVANCE →	Press to replay the previous scene or fast forward the current scene of the VCR, DVD player or blu-ray disc player.

Name	Function
[19] -/-	Press -/- and TV (13) at the same time to select the channel entry mode, either one or two digits of the TV.
>10/-	Press to select - track numbers over 10 of the VCR, satellite tuner or CD player. - channel numbers of the Digital CATV terminal.
CLEAR	Press to clear a mistake when you press the incorrect numeric button.
[20] Numeric buttons (number 5^{a)})	Press to - preset/tune to preset stations. - select track numbers of the CD player, DVD player or blu-ray disc player. Press 0/10 to select track number 10. - select channel numbers of the VCR or satellite tuner. Press the numeric buttons and TV (13) at the same time to select the TV channels.
[21] TV INPUT	Press TV INPUT and TV (13) at the same time to select the input signal (TV input or video input).
SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.

^{a)}The number 5, MASTER VOL +, TV VOL +, and >/- buttons have tactile dots. Use the tactile dots as references when operating the receiver.^{b)}This button is also available for DIGITAL MEDIA PORT adapter operation. For details on the function of the button, refer to the operating instructions supplied with the DIGITAL MEDIA PORT adapter.**Notes**

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

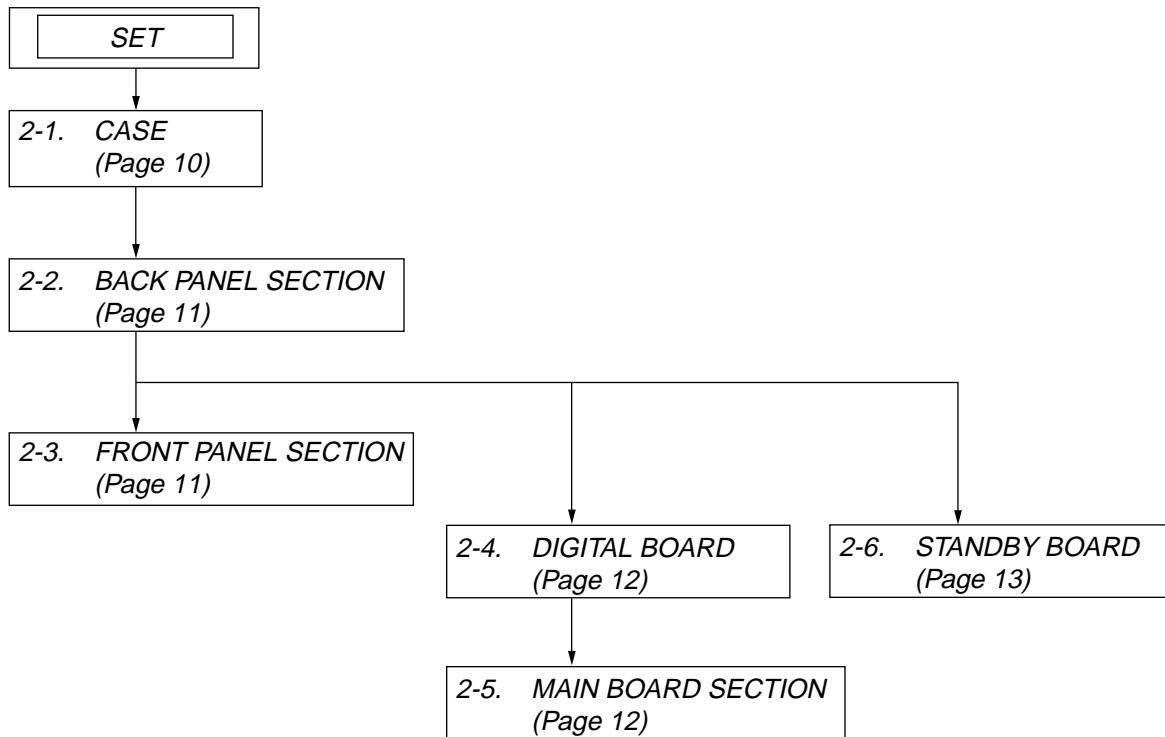
Name	Function
[< /> b)	Press to - search tracks in the forward/reverse direction of the DVD player. - start fast forward/rewind of the VCR, CD player or blu-ray disc player.
[>a/b)	Press to start playback of the VCR, CD player, DVD player, or blu-ray disc player.
[11b)	Press to pause playback or recording of the VCR, CD player, DVD player or blu-ray disc player. (Also starts recording with components in recording standby.)
[■b)	Press to stop playback of the VCR, CD player, DVD player or blu-ray disc player.
TV CH +/-	Press TV CH +/- and TV (13) at the same time to select preset TV channels.
PRESET +/-	Press to select - preset stations. - preset channels of the VCR or satellite tuner.
TUNING +/-	Press to scan a station.
[13] TV	Press TV and the button you want at the same time to activate the buttons with orange printing.
[14] MENU	Press to display the menu of the VCR, DVD player, satellite tuner or blu-ray disc player on the TV screen. Press MENU and TV (13) at the same time to display the TV's menu. Then, use \uparrow , \downarrow , \leftarrow , \rightarrow and \oplus (16) to perform menu operations.

Name	Function
[15] RETURN/ EXIT	Press to - return to the previous menu. - exit the menu while the menu or on-screen guide of the VCR, DVD player, satellite tuner or blu-ray disc player is displayed on the TV screen. Press RETURN/EXIT and TV (13) at the same time to return to the previous menu or exit the TV's menu while the menu is displayed on the TV screen.
[16] +/-	After pressing AMP MENU (5), DVD MENU (8), or MENU (14), press \uparrow , \downarrow , \leftarrow or \rightarrow to select the settings. Then, press \oplus to enter the selection for DVD MENU or MENU. Press \oplus also to enter the selection of the receiver, VCR, satellite tuner, CD player, DVD player or blu-ray disc player.
[17] DISPLAY	Press to select information displayed on the TV screen of the VCR, satellite tuner, CD player, DVD player or blu-ray disc player. Press DISPLAY and TV (13) at the same time to display TV's information on the TV screen.
[18] TOOLS	Press to display options applicable to the entire disc (e.g. disc protection), recorder (e.g. audio settings during recording), or multiple items on a list menu (e.g. erasing multiple titles). Press TOOLS and TV (13) at the same time to display options applicable to the TV.

continued — 11^{GB}12^{GB}

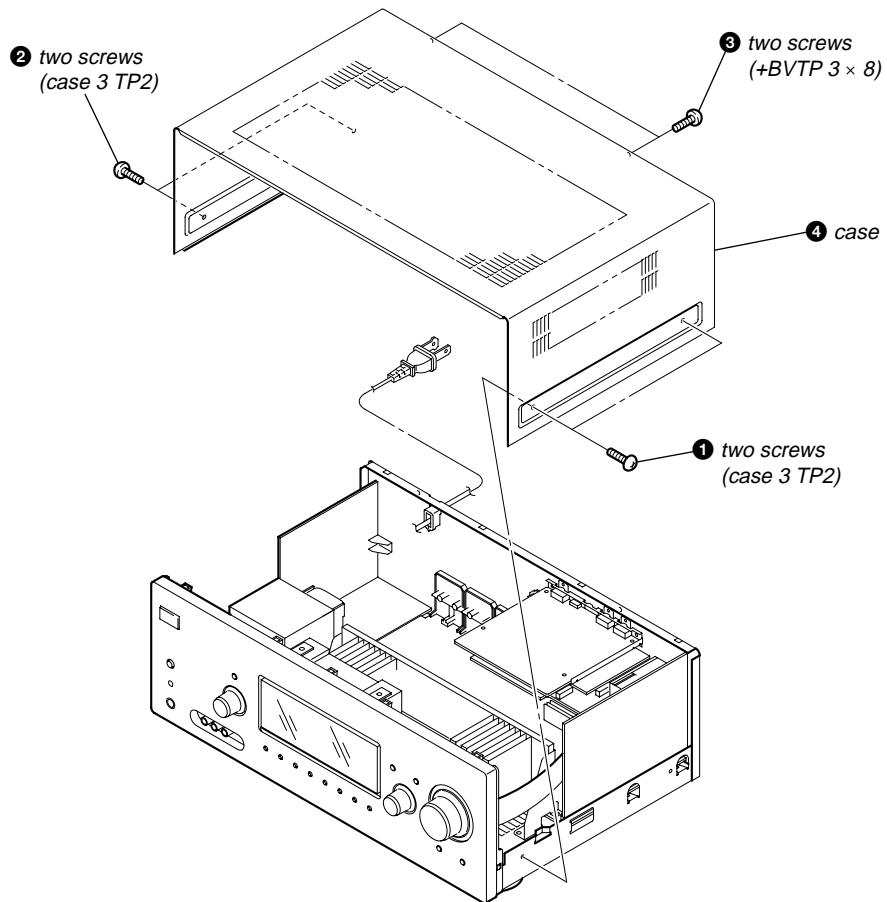
SECTION 2 DISASSEMBLY

Note : This set can be disassemble according to the following sequence.

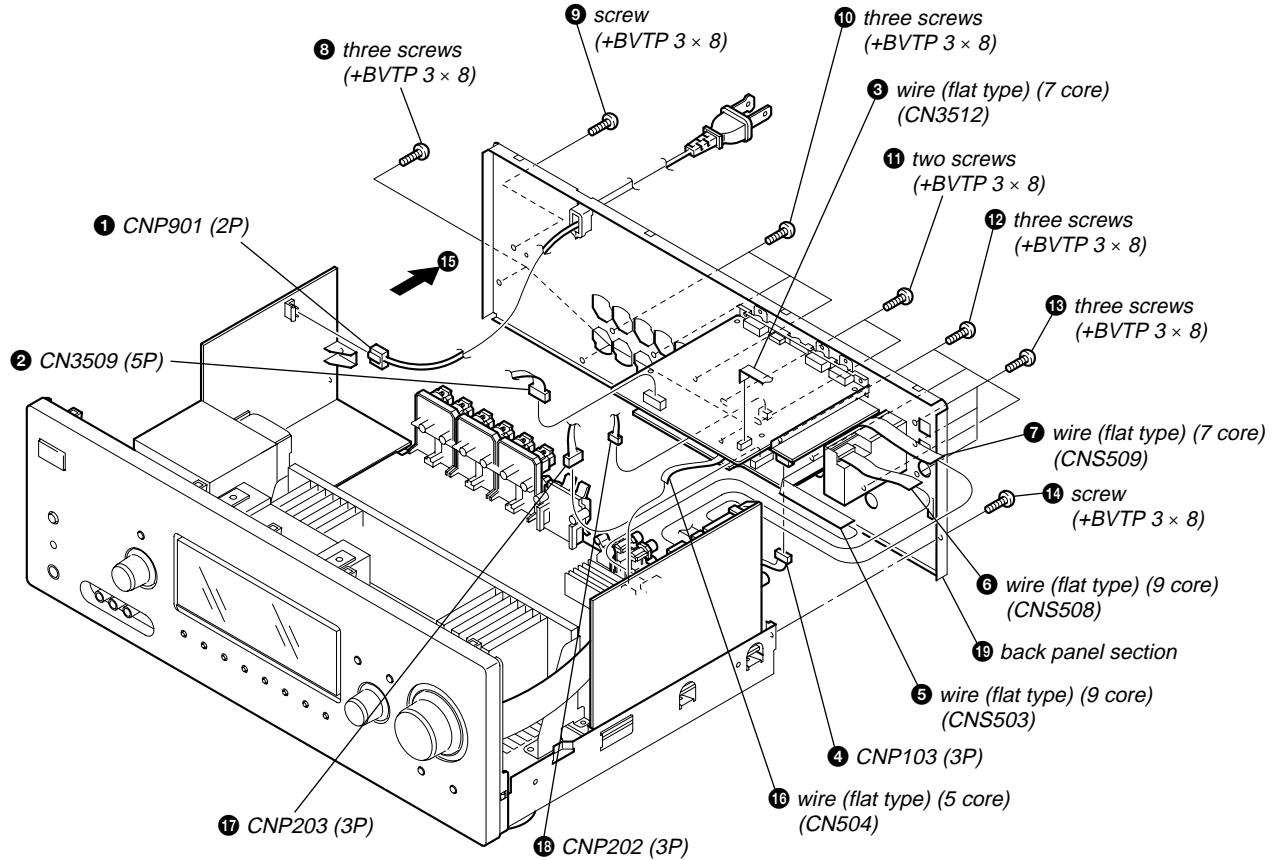


Note : Follow the disassembly procedure in the numerical order given.

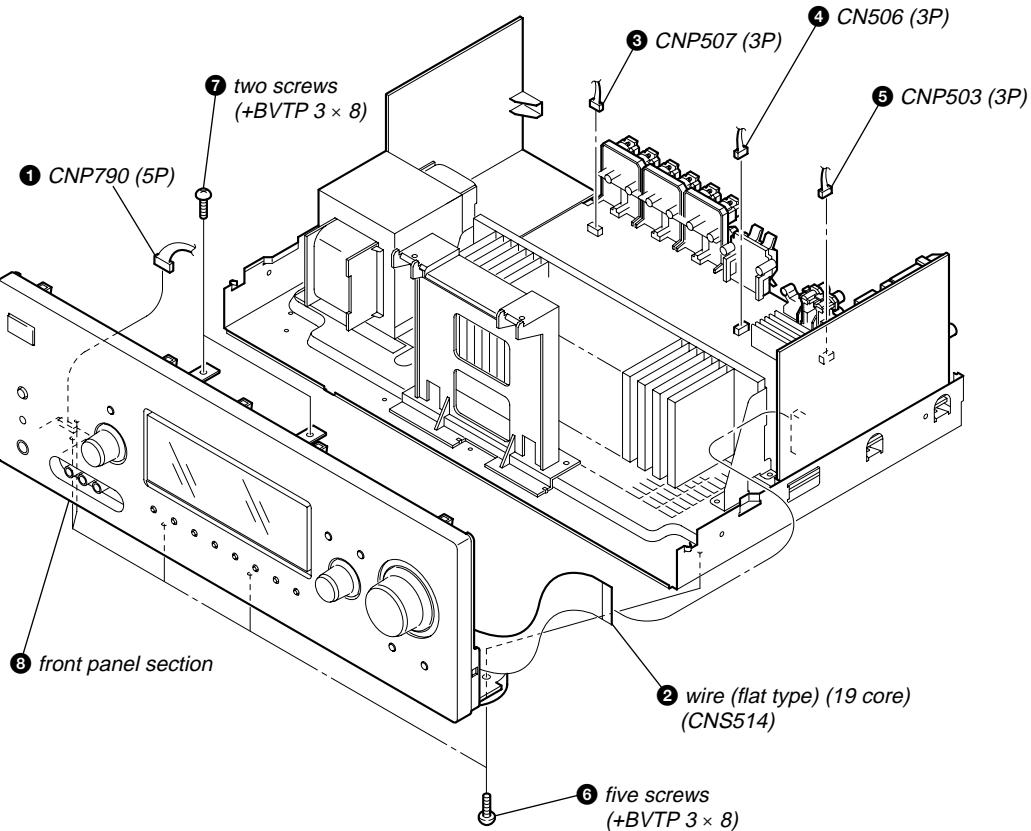
2-1. CASE

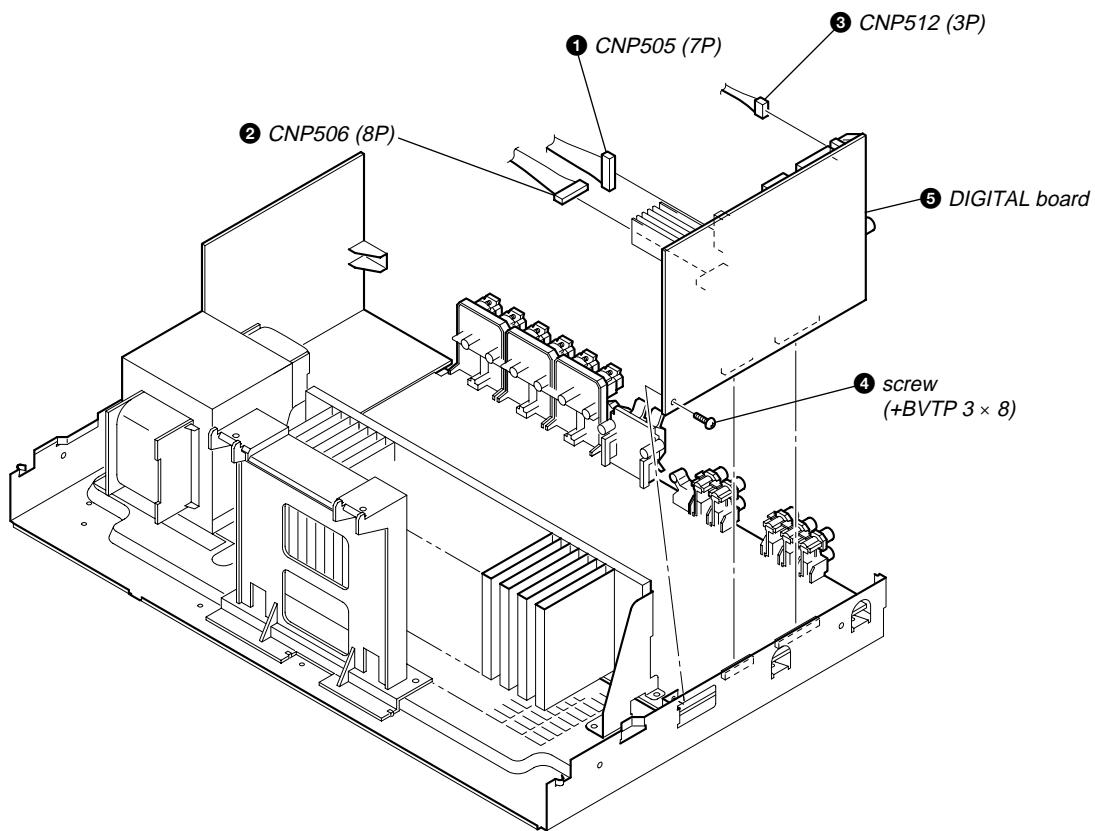
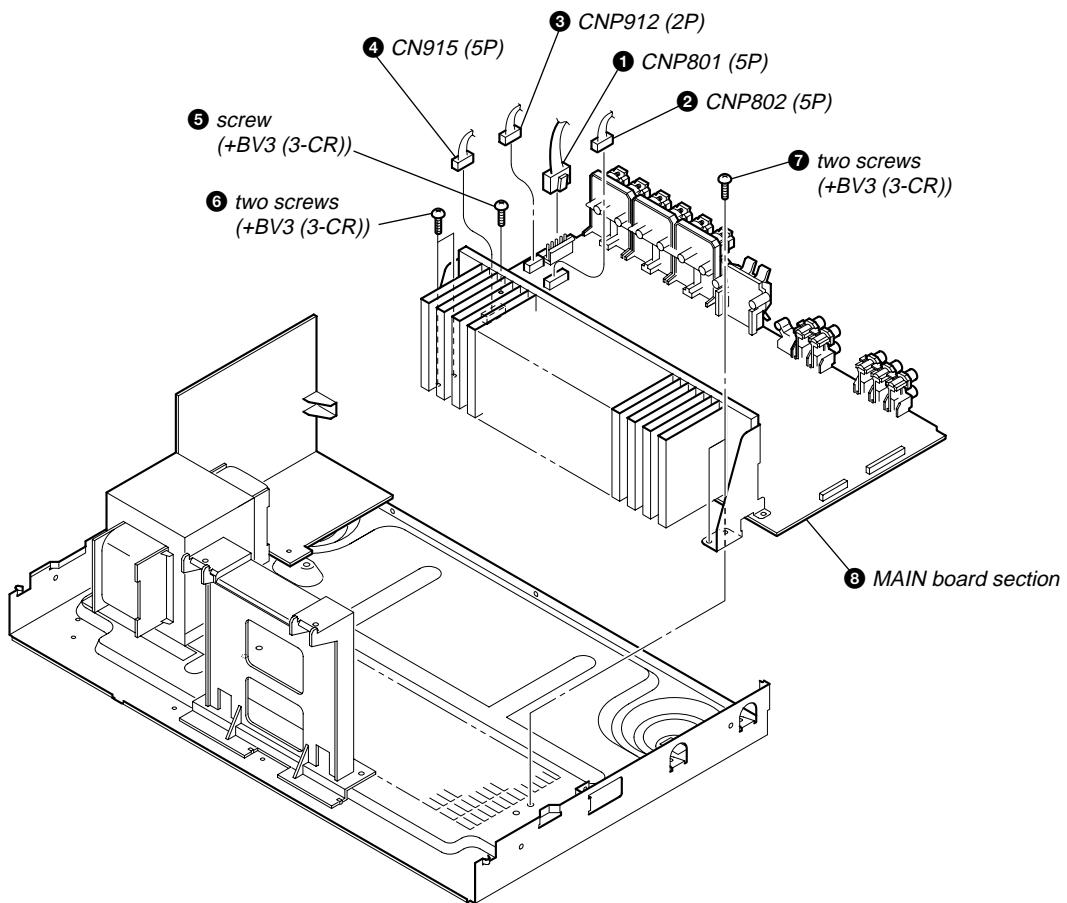


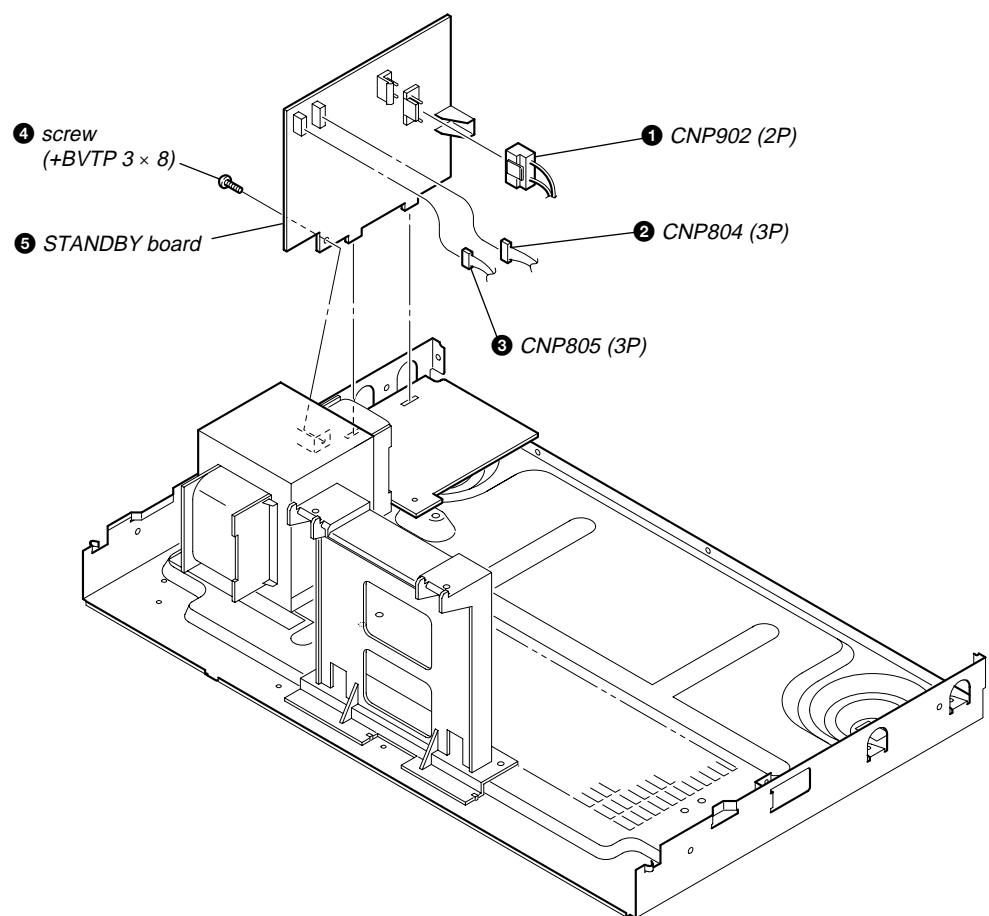
2-2. BACK PANEL SECTION



2-3. FRONT PANEL SECTION



2-4. DIGITAL BOARD**2-5. MAIN BOARD SECTION**

2-6. STANDBY BOARD

SECTION 3

TEST MODE

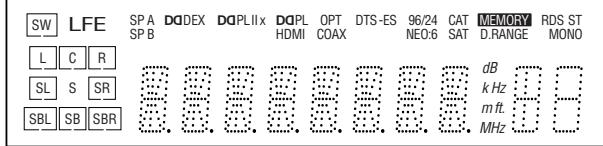
AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

- * Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
- * Procedure:
 - Turn the [INPUT SELECTOR] control to set AM and press the [I/O] button to turn off the main power.
 - While depressing the [TUNING MODE] button, press the [I/O] button to turn on the main power.
 - Either the message “9k STEP” or “10k STEP” appears for a moment and select the desired step.

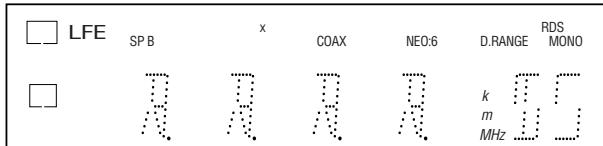
VACUUM FLUORESCENT DISPLAY TEST MODE

- * All fluorescent segments are tested.
- When this test is activated, all segments light on at the same time, then each segment lights on one after another.
- * Procedure:
 - While depressing the [TUNING MODE] and the [DISPLAY] buttons simultaneously, press the [I/O] button to turn on the main power.

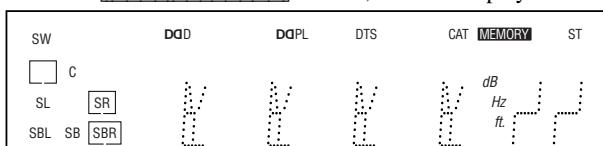
1. ALL segments light on.



2. Turn the [INPUT SELECTOR] control, confirm display.



3. Turn the [INPUT SELECTOR] control, confirm display.



4. Turn the [INPUT SELECTOR] control, all segments light off.

SOUND FIELD CLEAR MODE

- * The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

- * Procedure:

While depressing the [2CH] button, press the [I/O] button to turn on the main power.

The message “S.F. CLR.” appears for a moment and initialization is performed.

SOFTWARE VERSION DISPLAY MODE

- * The software version is displayed.

- * Procedure:

While depressing the [SPEAKERS (OFF/A/B)] and the [DISPLAY] buttons simultaneously, press the [I/O] button to turn on the main power.

The model name, destination and the software version are displayed for a moment.

KEY CHECK MODE

- * Button check

- * Procedure:

While depressing the [SPEAKERS (OFF/A/B)] and the [2CH] buttons simultaneously, press the [I/O] button to turn on the main power.

Either the message “REST 14” appears.

Every pressing of any button other than the [I/O] counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed “REST 00” appears.

SWAP ALL MODE

- * The signal will be swap to all channel so that all speaker will have sound output.

- * Procedure:

1. While depressing the [SPEAKERS (OFF/A/B)] and the [A.F.D.] buttons simultaneously, press the power [I/O] button to turn on the main power.
2. “SWAP” appears. (No change while displayed.)

SHIPMENT MODE

All preset contents are reset to the default setting.

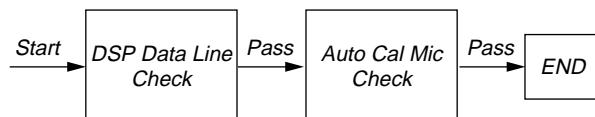
- * Procedure:

1. While depressing the [SPEAKERS (OFF/A/B)] and the [MUSIC] buttons simultaneously, press the power [I/O] button to turn on the main power.
2. “CLEARED” appears and switch off the set.

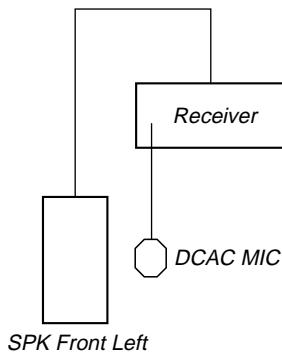
DCAC FACTORY TEST MODE

DCAC Factory Test mode have two stages:

1. DCAC DSP Data Line Checking
2. DCAC board Checking



Factory Test System Setup



1. When power off:

Press the three buttons [MEMORY/ENTER] + [MOVIE] + [I/O]. “DCAC FTM” appears.

Afterward, press the [TUNING MODE] to start DCAC factory test mode.

SECTION 4

FM TUNER CHECK

1. DCAC DSP Data Line Checking

After press the **TUNING MODE**, DCAC Factory test mode will start, below display will show:

“DCAC□□□x” x=1, 2, 3

If there is error happen, below display will show:

“ERR□SD0x” x=1 → D1501 or R1530 problem

x=2 → D1502 problem

x=3 → D1503 problem

2. DCAC board Checking

Connect front left speaker of the receiver and AUTO CAL microphone. Turn **MASTER VOLUME** jog, there will be test tone sound output from front left speaker, and the display will change accordingly.

“AD□-□xxx” xxx=0 to 255 (depends on loudness of test tone)

FM AUTO STOP CHECK

(1) Turn on the set.

(2) Input the following signal from Signal Generator to FM antenna input directly.

* Carrier Frequency: A=87.5 MHz, B=98 MHz, C=108 MHz

Deviation : 75 kHz

Modulation : 1 kHz

ANT input : 35 dBu (EMF)

(Note)

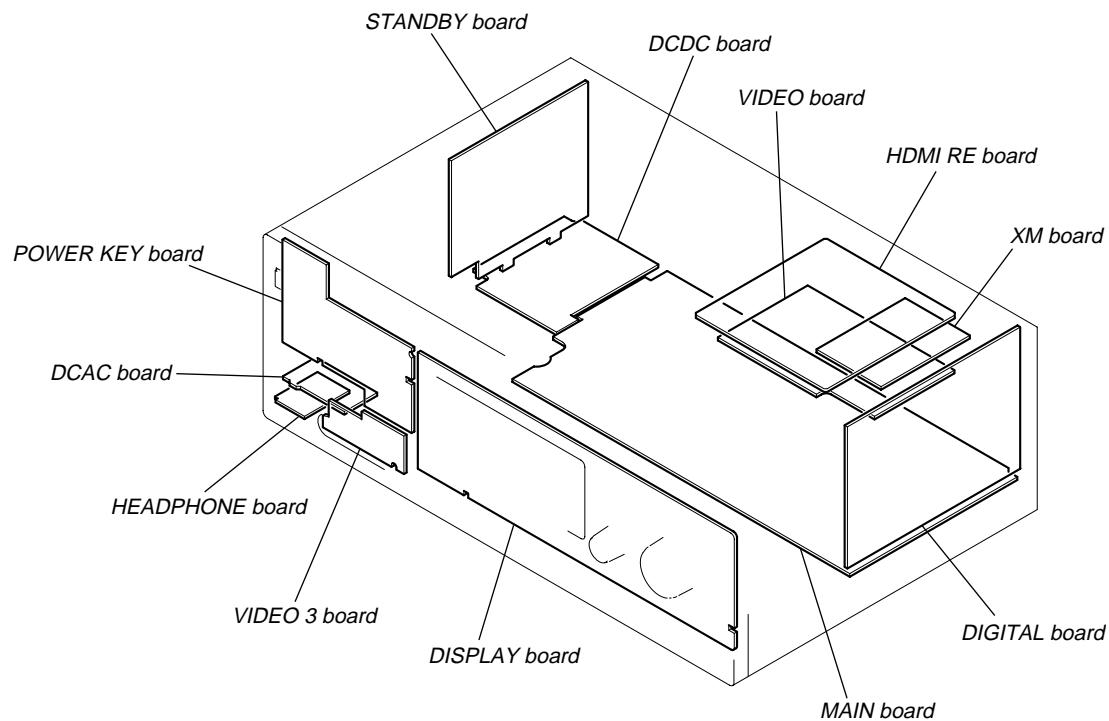
Please use 75 ohm “coaxial cable” to connect SG and the set. You cannot use video cable for checking.

Please use SG whose output impedance is 75 ohm.

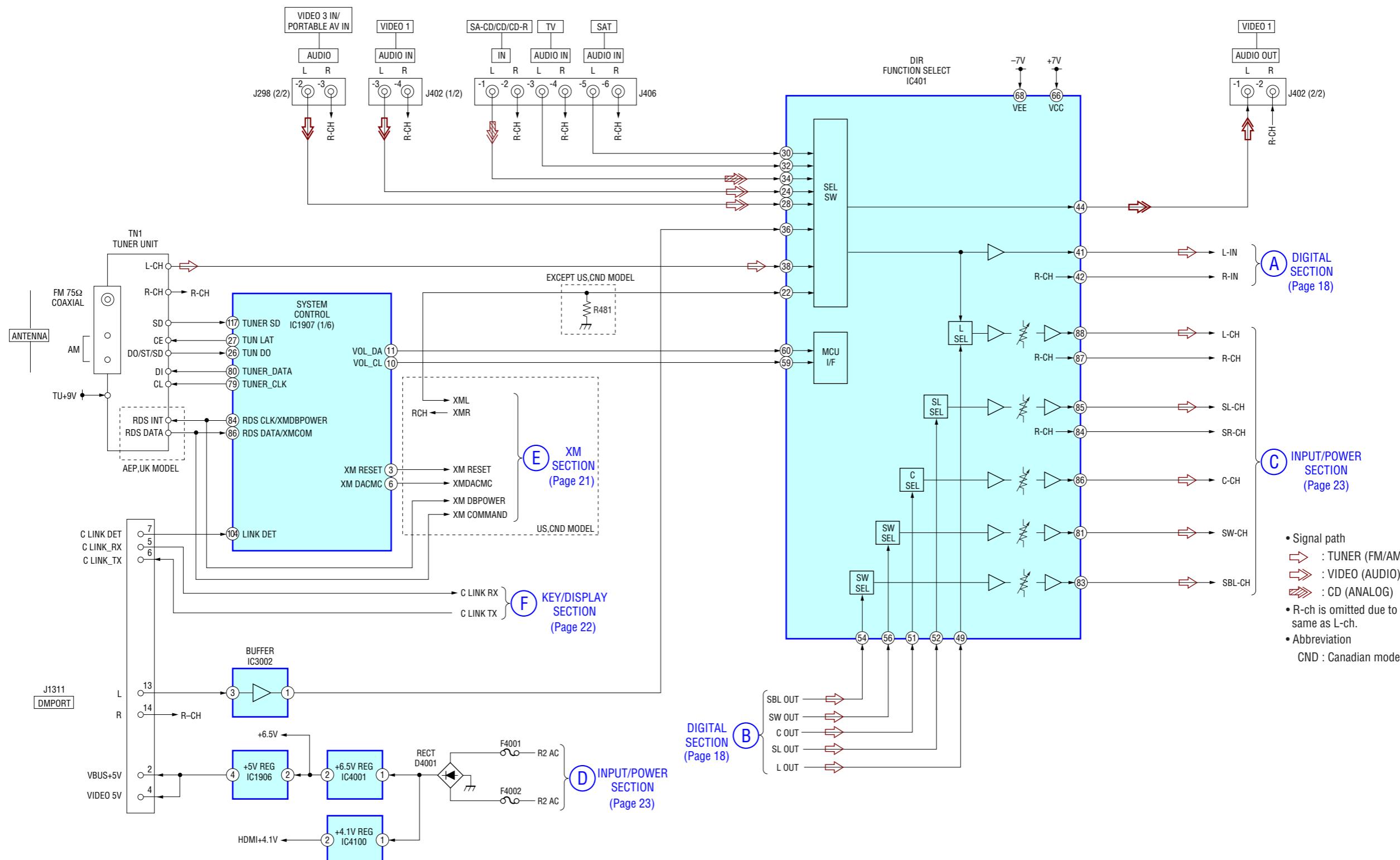
(3) Set to FM tuner function and scan the input FM signal with automatic scanning.

(4) Confirm that input Frequency of A, B and C are detected and automatic scanning stops.

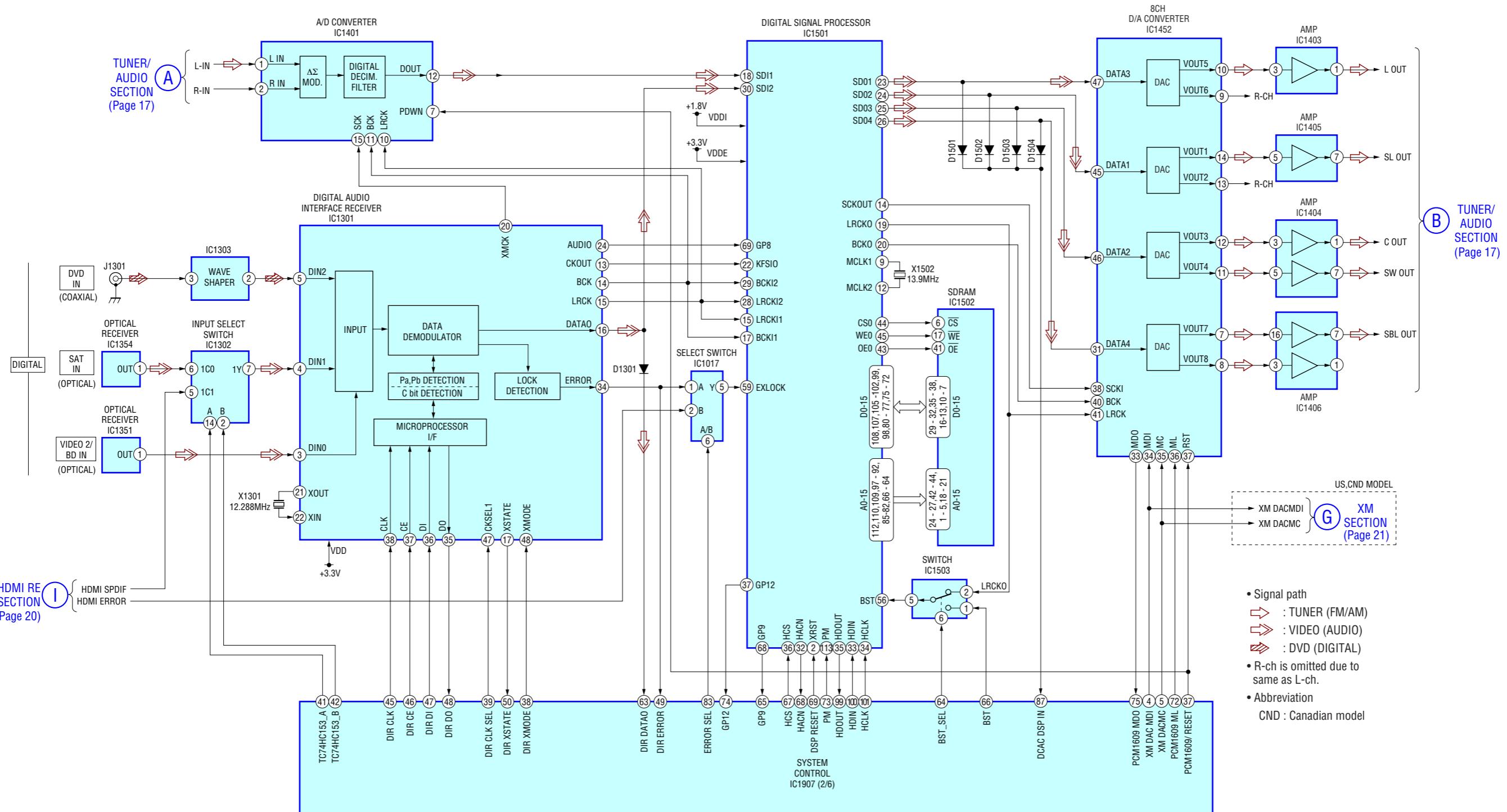
The stop of automatic scanning means “The station signal is received in good condition.”

**SECTION 5
DIAGRAMS****5-1. CIRCUIT BOARDS LOCATION**

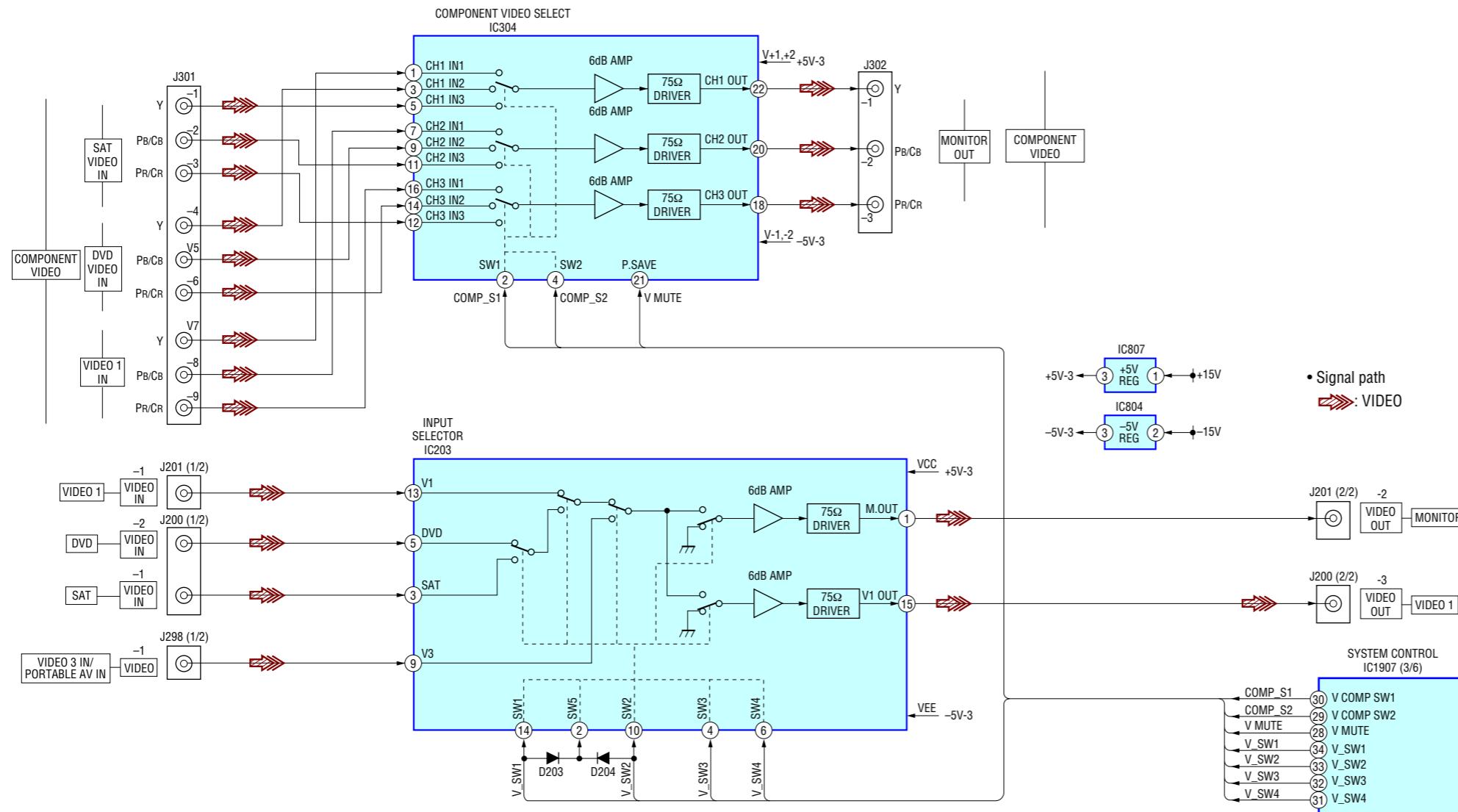
5-2. BLOCK DIAGRAM — TUNER/AUDIO SECTION —



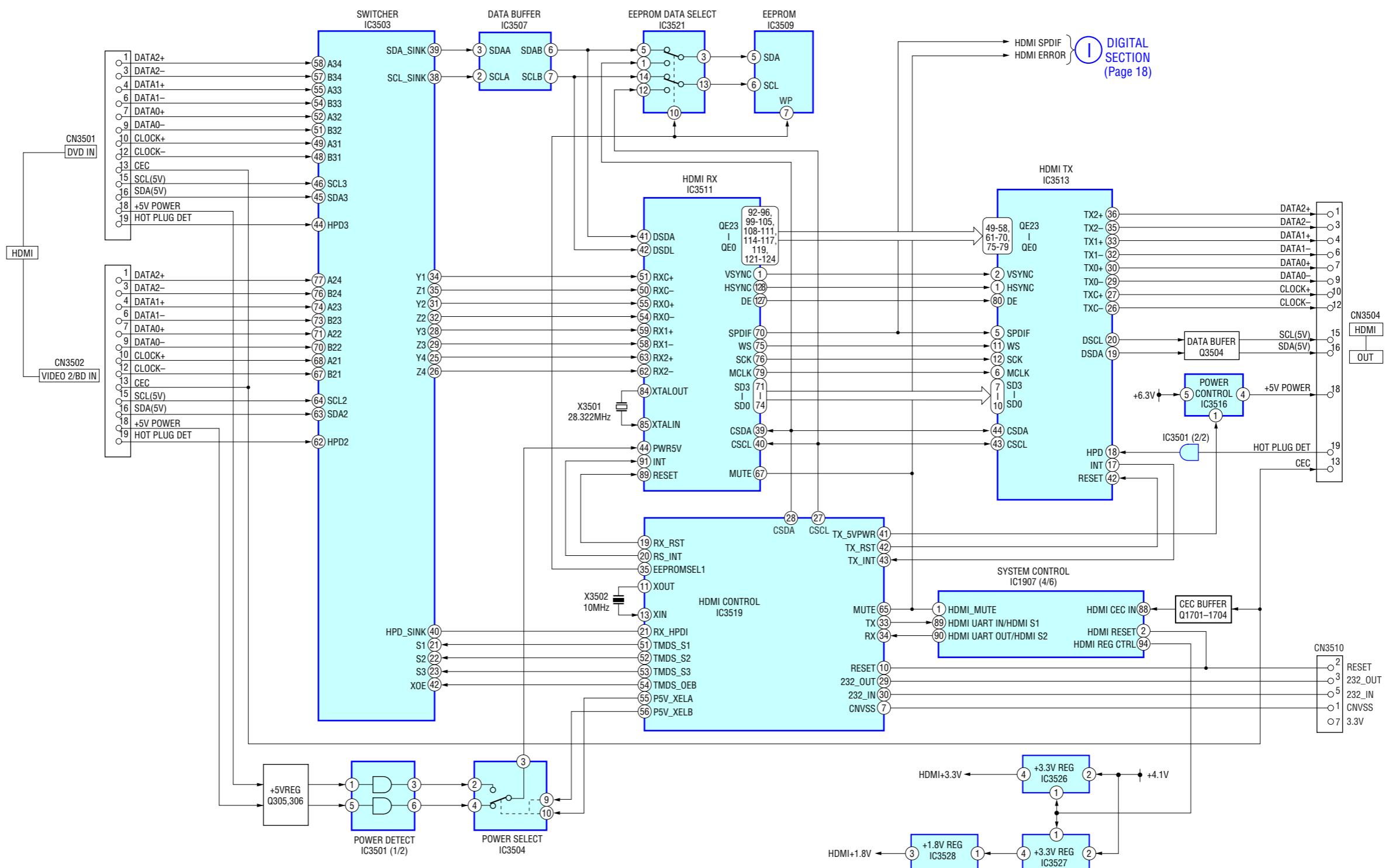
5-3. BLOCK DIAGRAM — DIGITAL SECTION —



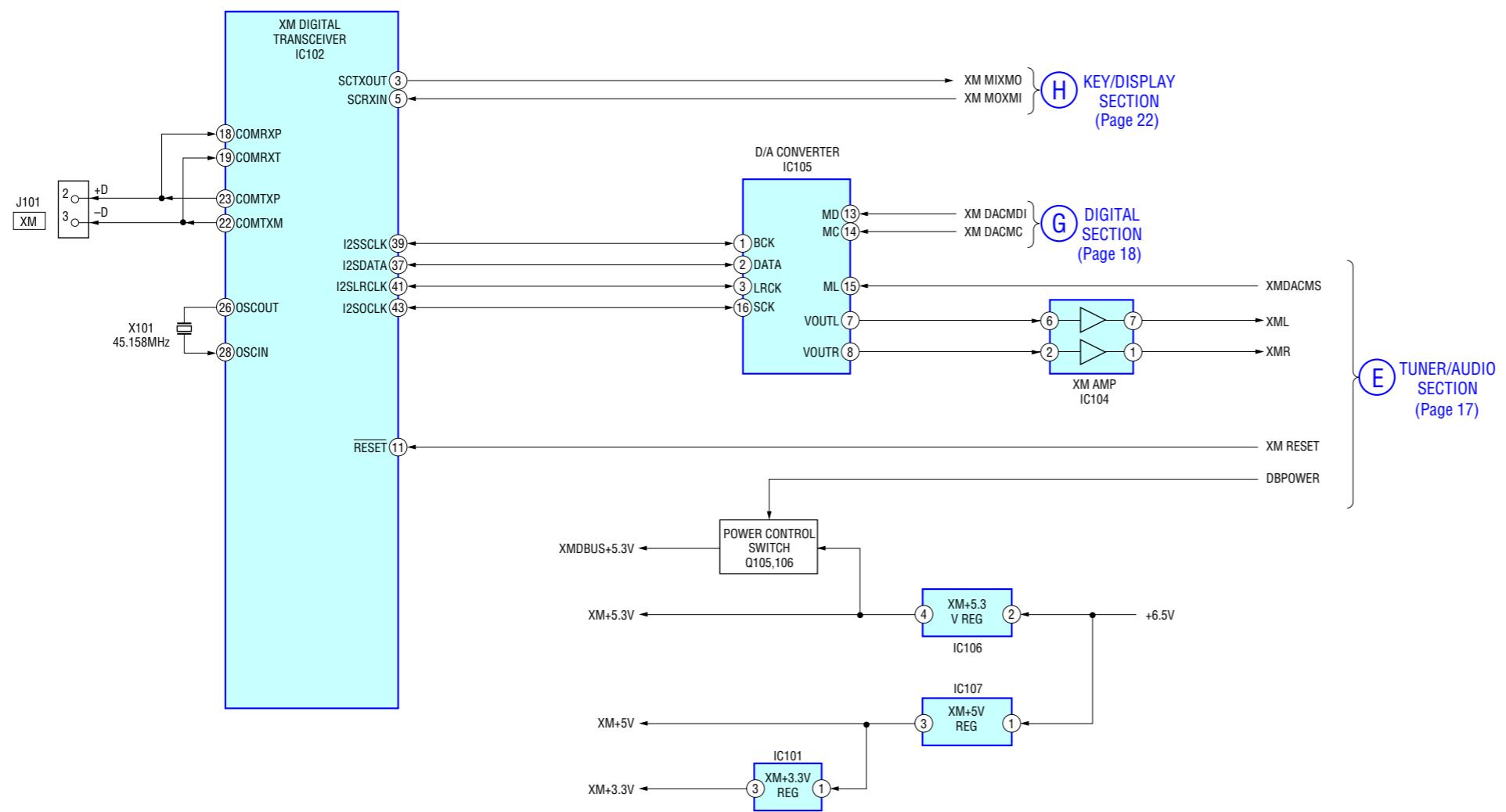
5-4. BLOCK DIAGRAM — VIDEO SECTION —



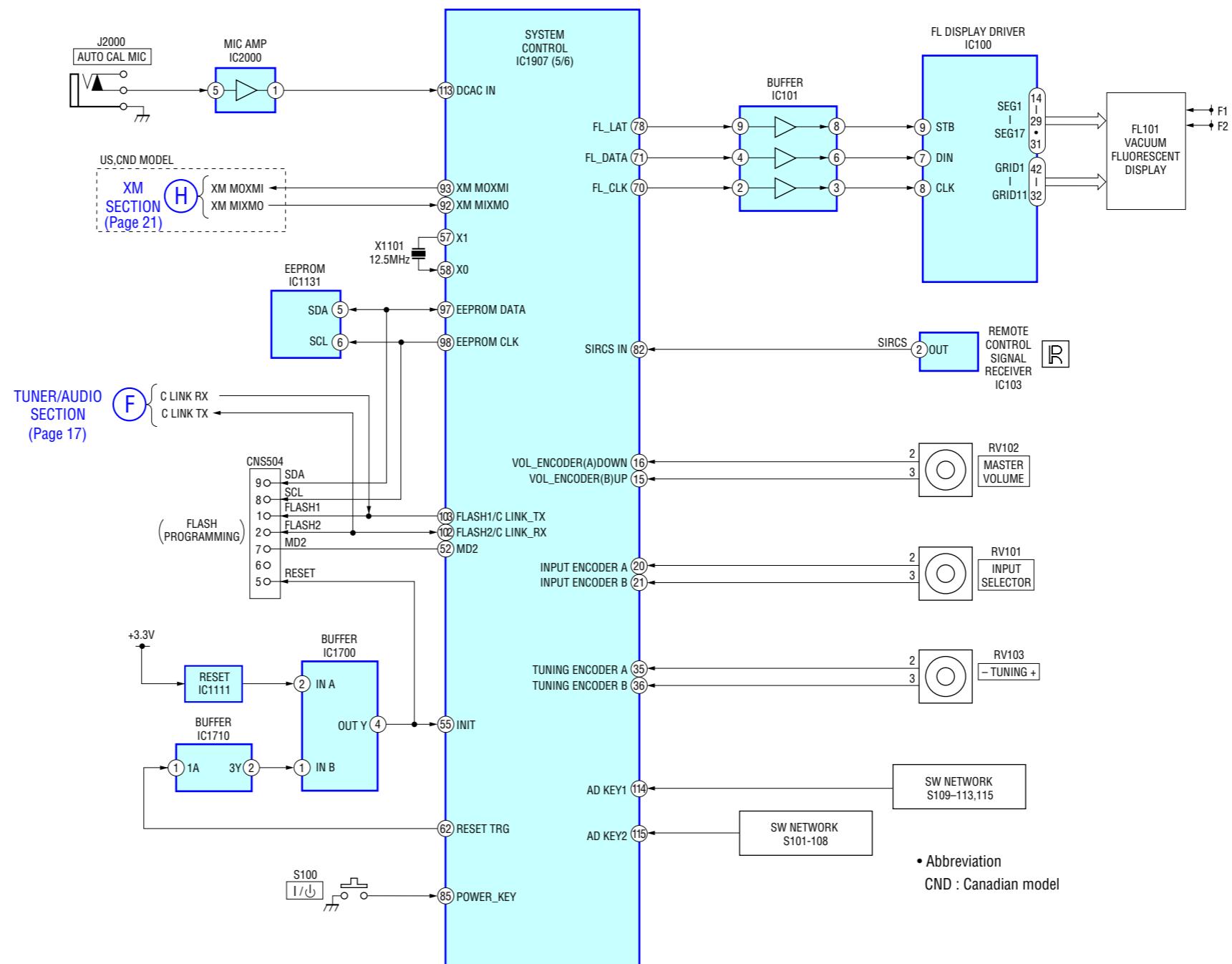
5-5. BLOCK DIAGRAM — HDMI RE SECTION —



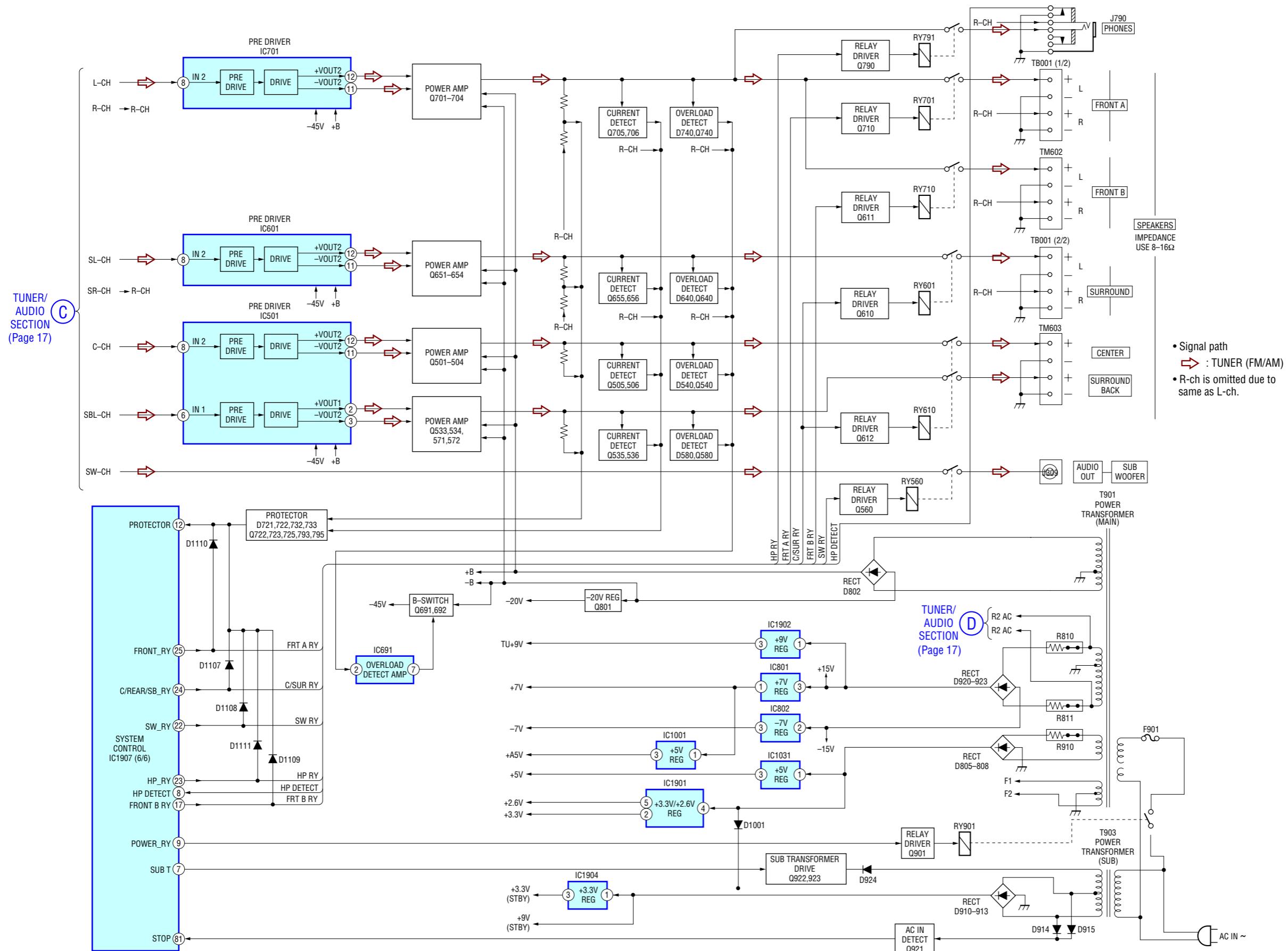
5-6. BLOCK DIAGRAM — XM SECTION — • US, Canadian model only.



5-7. BLOCK DIAGRAM — KEY/DISPLAY SECTION —



5-8. BLOCK DIAGRAM — OUTPUT/POWER SECTION —



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

for schematic diagram:

- All capacitors are in μF unless otherwise noted. (p: pF)
50 mV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4 \text{W}$ or less unless otherwise specified.
- \triangle : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

Note:
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

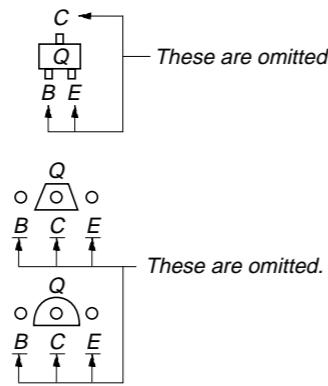
- : B+ Line.
- : B- Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : FM
- Voltages are taken with a VOM (Input impedance $10 \text{ M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 : TUNER (FM/AM)
 : VIDEO (AUDIO)
 : VIDEO
 : DVD (DIGITAL)
 : CD (ANALOG)
- Abbreviation
AUS : Australian model.
CND : Canadian model.
MY : Malaysia model.
SP : Singapore model.
TH : Thai model.

for printed wiring boards:

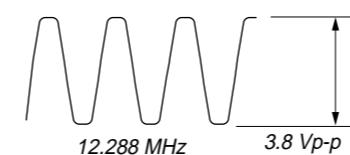
- : parts extracted from the component side.
- \triangle : internal component.
- : Pattern from the side which enables seeing.

Caution:

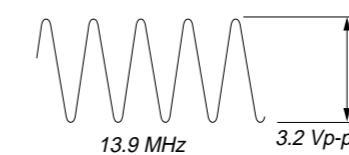
Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.
Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.

**Abbreviation**

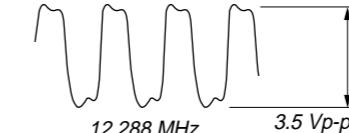
AUS : Australian model.
CND : Canadian model.
MY : Malaysia model.
SP : Singapore model.
TH : Thai model.

• Waveforms**— DIGITAL Board —****① IC1301 ⑬ (CKOUT)**

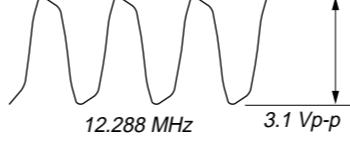
1 V/DIV, 50 nsec/DIV

⑤ IC1501 ⑫ (MCLK2)

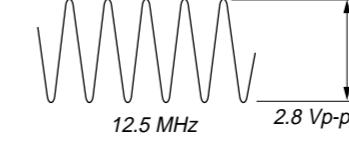
1 V/DIV, 50 nsec/DIV

② IC1301 ⑭ (BCK)1 V/DIV, 0.2 $\mu\text{s}/\text{DIV}$ **⑥ IC1501 ⑯ (SCKOUT)**

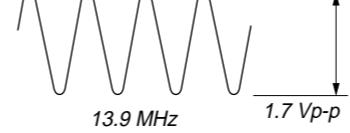
1 V/DIV, 50 nsec/DIV

③ IC1301 ㉑ (XOUT)

1 V/DIV, 50 nsec/DIV

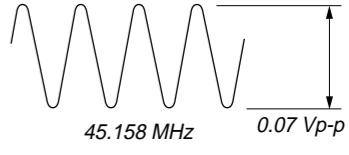
⑦ IC1907 ⑮ (X1)

1 V/DIV, 50 nsec/DIV

④ IC1501 ⑨ (MCLK1)

1 V/DIV, 50 nsec/DIV

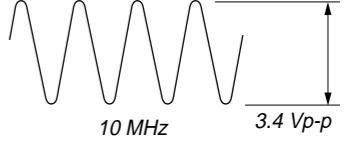
1.7 Vp-p

— XM Board —**① IC102 ㉙ (OSCOUT)**

0.07 Vp-p

0.05 V/DIV, 0.2 $\mu\text{s}/\text{DIV}$ **— HDMI RE Board —****① IC3511 ㉘ (XTALOUT)**

1 V/DIV, 20 nsec/DIV

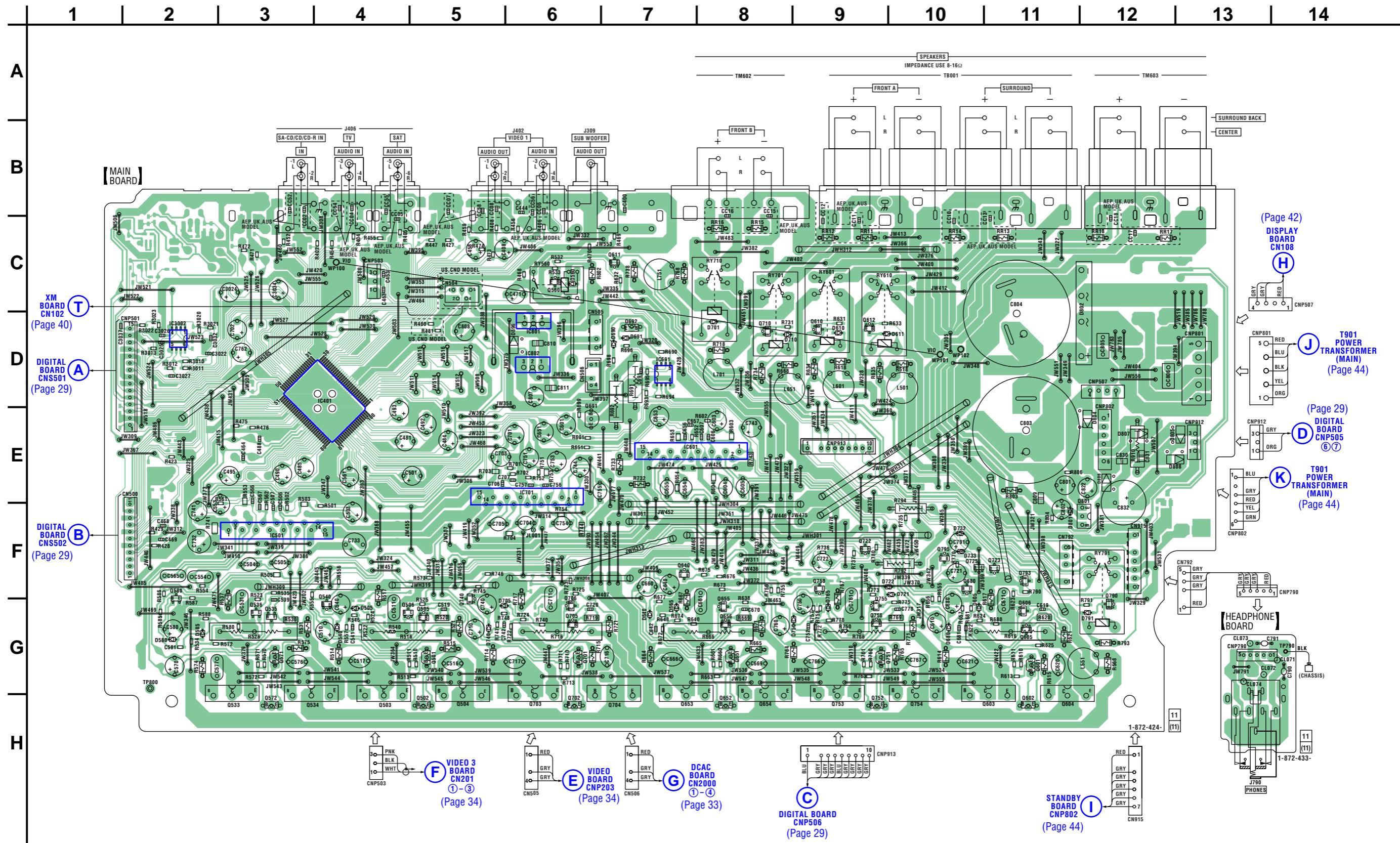
② IC3519 ⑪ (XOUT)

3.4 Vp-p

1 V/DIV, 50 nsec/DIV

5-9. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 16 for Circuit Boards Location.

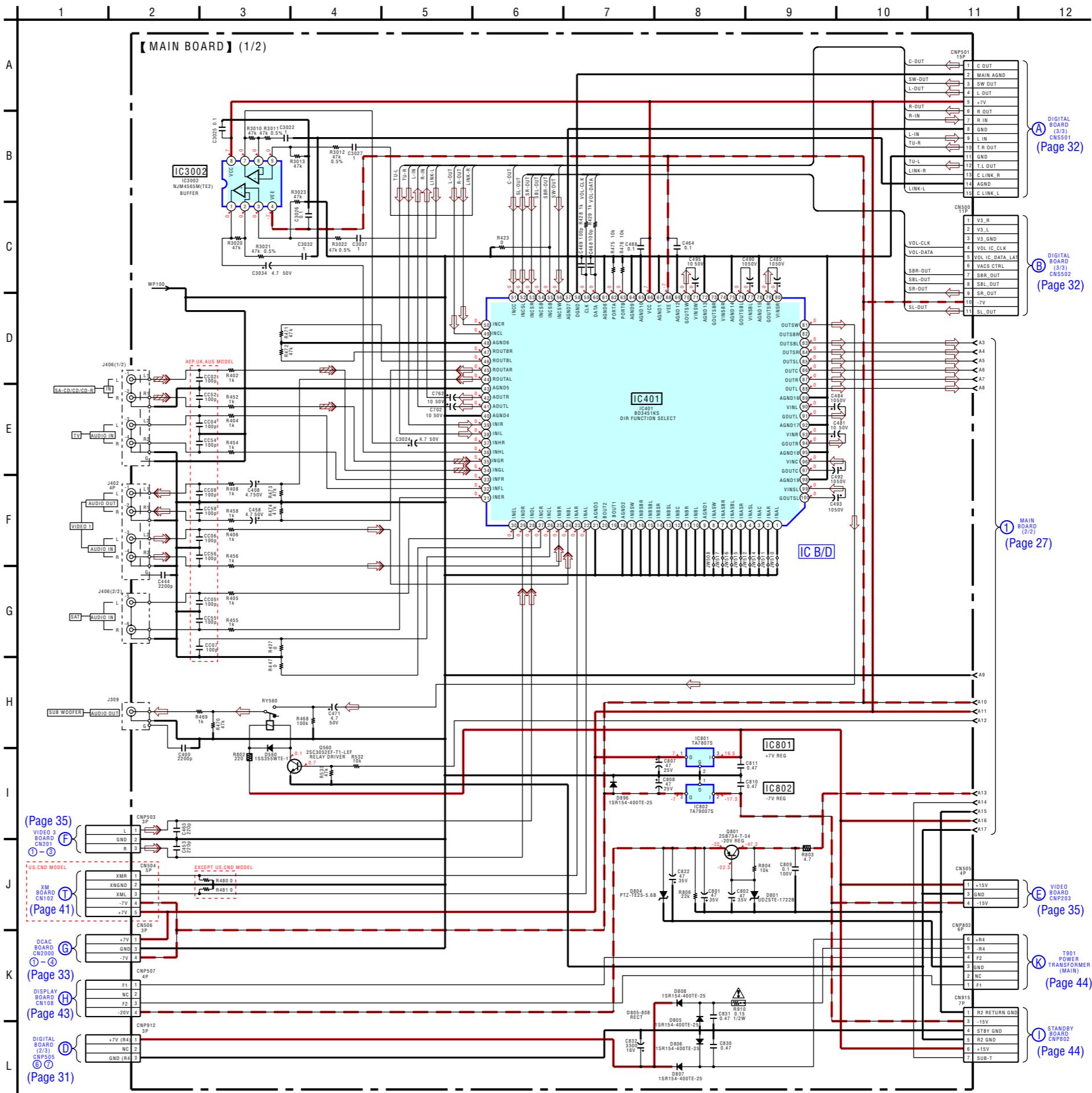
 : Uses unleaded sold



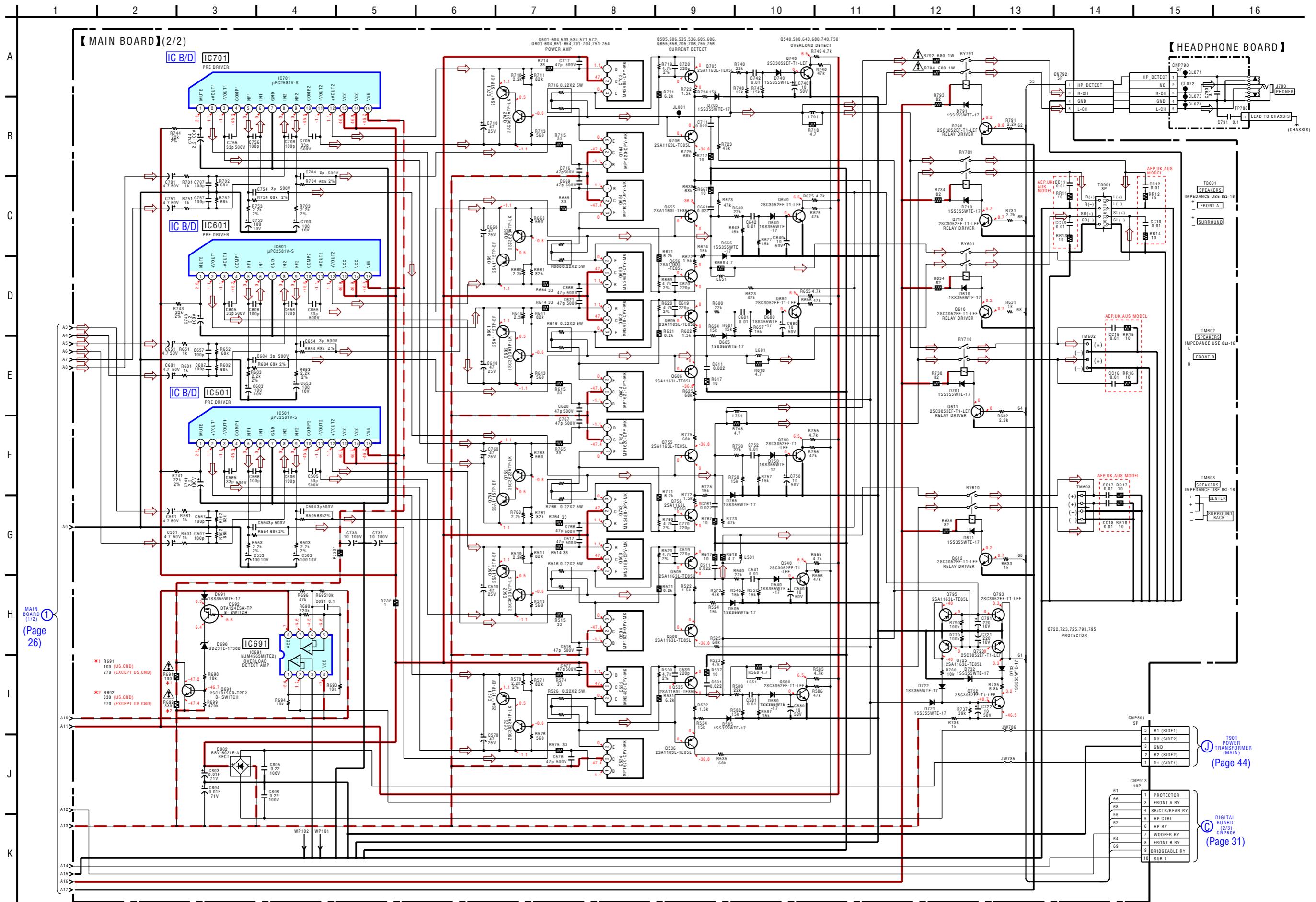
- Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	G-4	D665	G-7	D732	F-10	D805	E-13	IC691	D-7	Q504	H-5	Q571	G-3	Q610	D-9	Q656	G-8	Q706	G-6	Q753	H-9
D540	G-4	D680	G-10	D733	F-10	D806	E-12	IC701	E-6	Q505	G-5	Q572	H-3	Q611	C-7	Q680	F-10	Q710	D-8	Q754	H-10
D560	C-6	D690	D-7	D740	G-5	D807	E-12	IC801	D-6	Q506	G-4	Q580	F-2	Q612	D-9	Q691	E-6	Q722	F-9	Q755	G-9
D580	G-2	D691	D-7	D750	G-8	D808	E-12	IC802	D-6	Q533	H-3	Q601	G-11	Q640	F-7	Q692	D-7	Q723	F-11	Q756	G-9
D585	G-2	D701	D-8	D765	G-9	D896	D-6	IC3002	D-2	Q534	H-3	Q602	H-11	Q651	G-8	Q701	G-6	Q725	F-10	Q790	F-12
D605	G-10	D705	G-5	D791	G-12					Q535	G-3	Q603	H-11	Q652	H-8	Q702	H-6	Q740	F-5	Q793	F-11
D610	D-9	D710	D-8	D801	F-11	IC401	D-4	Q501	G-5	Q536	G-3	Q604	H-11	Q653	H-7	Q703	H-6	Q750	F-9	Q795	F-10
D611	D-9	D721	F-10	D802	C-12	IC501	F-3	Q502	H-5	Q540	G-4	Q605	G-11	Q654	H-8	Q704	H-7	Q751	G-9	Q801	F-12
D640	G-7	D722	F-9	D804	E-12	IC601	E-7	Q503	H-4	Q560	C-6	Q606	G-11	Q655	G-8	Q705	G-6	Q752	H-9		

5-10. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 46 for IC Block Diagrams.



5-11. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 46 for IC Block Diagrams.



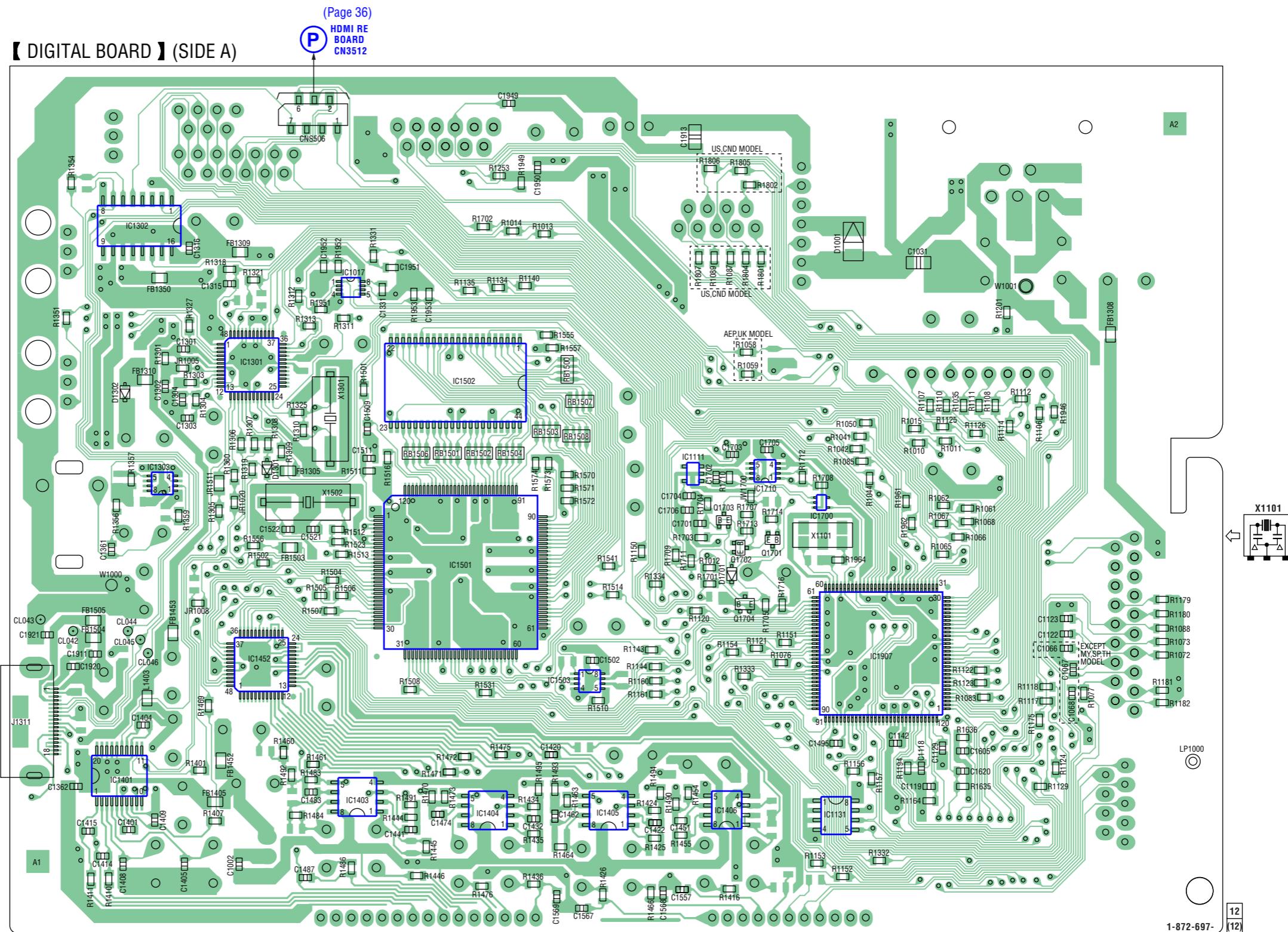
5-12. PRINTED WIRING BOARD — DIGITAL SECTION (1/2) — • Refer to page 16 for Circuit Boards Location.  : Uses unleaded solder.

4

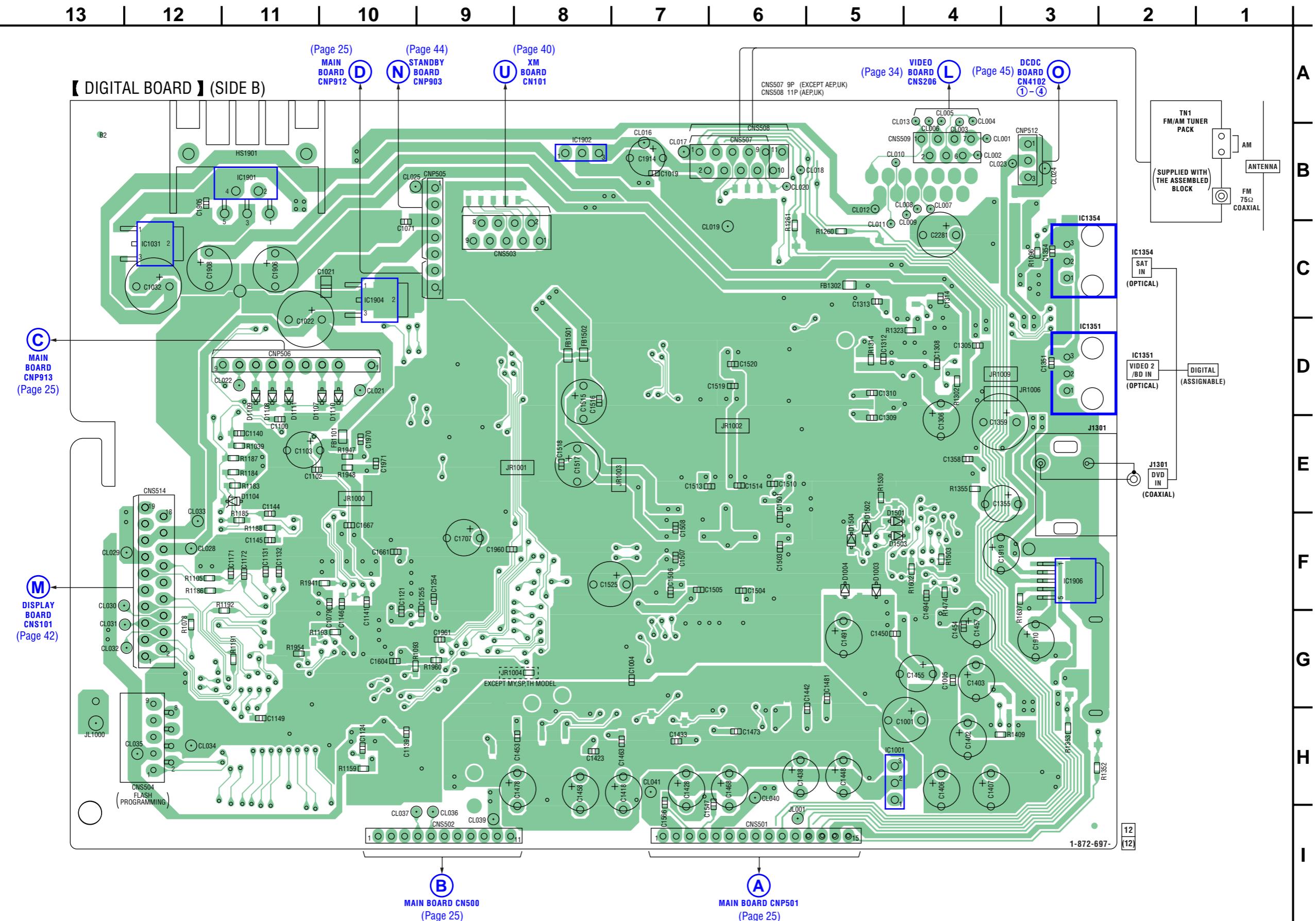
: Uses unleaded solder

• Semiconductor Location		
	Ref. No.	Location
A	D1001	C-10
	(D1003)	F-5
	(D1004)	F-5
	(D1107)	D-10
	(D1108)	D-11
	(D1109)	D-11
	(D1110)	D-10
	(D1111)	D-11
B	D1301	E-5
	D1302	D-3
	(D1501)	F-5
	(D1502)	F-5
	(D1503)	F-5
	(D1504)	F-5
C	D1701	F-9
D	(IC1001)	H-5
	IC1017	C-5
	(IC1031)	C-12
	IC1111	E-8
	IC1131	H-10
	IC1301	D-4
	IC1302	C-3
	IC1303	E-4
	(IC1351)	D-3
	(IC1354)	C-3
	IC1401	H-3
E	IC1403	H-5
	IC1404	H-7
	IC1405	H-8
	IC1406	H-9
	IC1452	G-5
	IC1501	F-6
	IC1502	D-6
	IC1503	G-7
F	IC1700	E-9
	IC1710	E-9
	(IC1901)	B-11
	(IC1902)	B-8
	(IC1904)	C-10
	(IC1906)	F-3
	IC1907	F-10
G	Q1701	E-9
	Q1702	F-9
	Q1703	E-9
	Q1704	F-9

【 DIGITAL BOARD 】(SIDE A)

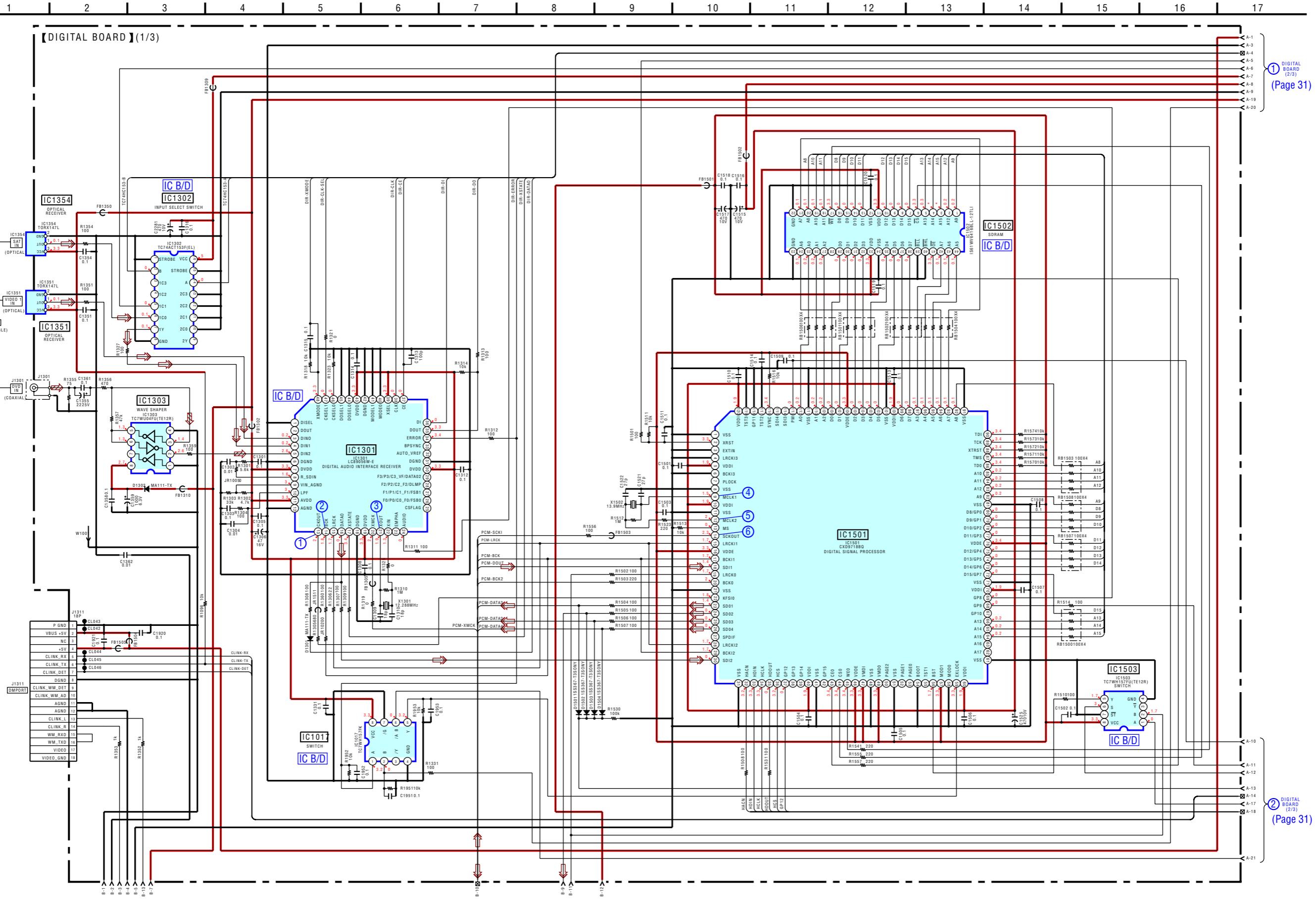


5-13. PRINTED WIRING BOARD — DIGITAL SECTION (2/2) — • Refer to page 16 for Circuit Boards Location.  : Uses unleaded solder.



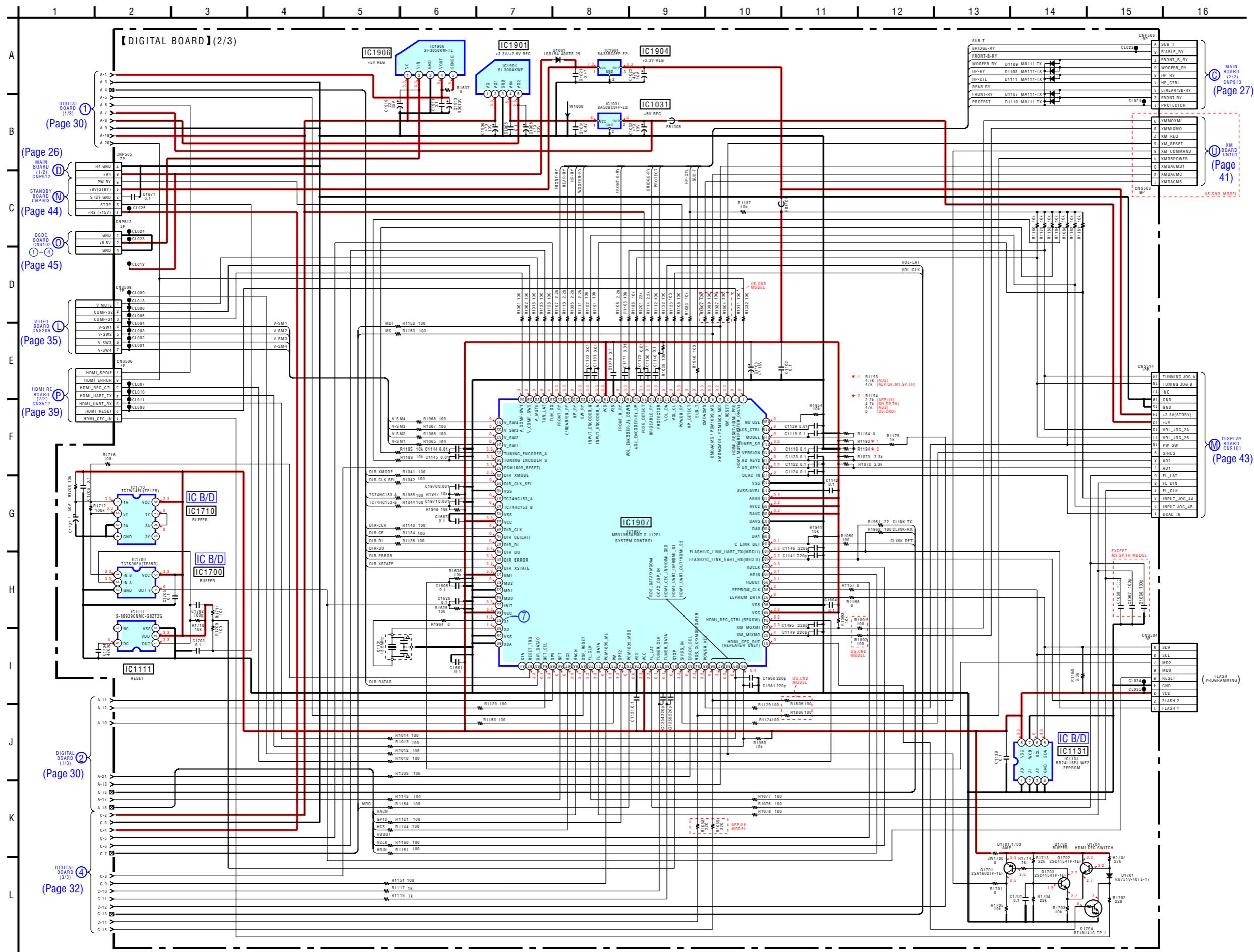
- Refer to page 24 for Waveforms.
- Refer to page 46 for IC Block Diagrams.
- Refer to page 55 for IC Pin Description.

5-14. SCHEMATIC DIAGRAM — DIGITAL SECTION (1/3)

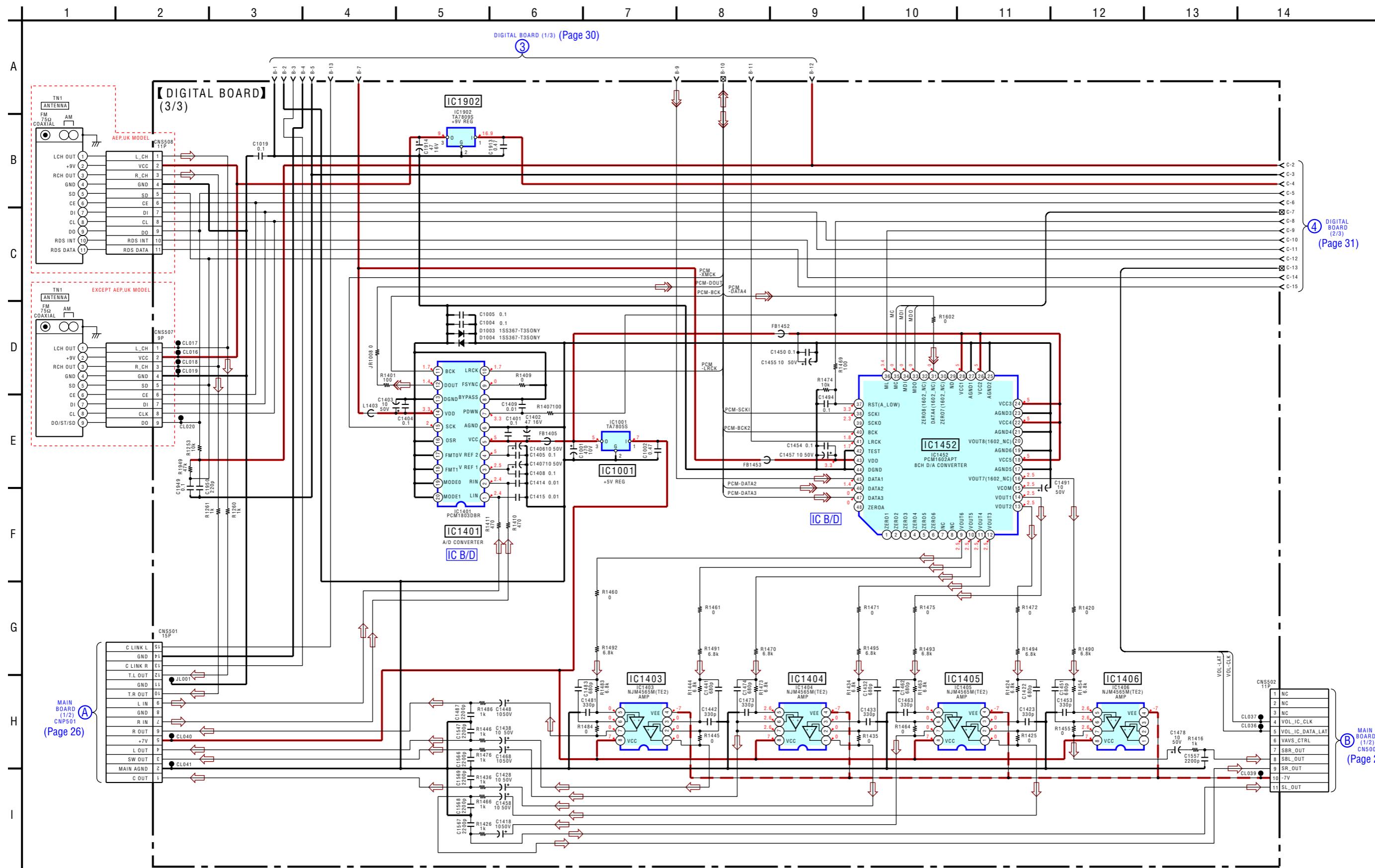


- Refer to page 24 for Waveforms.
- Refer to page 47 for IC Block Diagrams.
- Refer to page 57 for IC Pin Description.

5-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/3) —

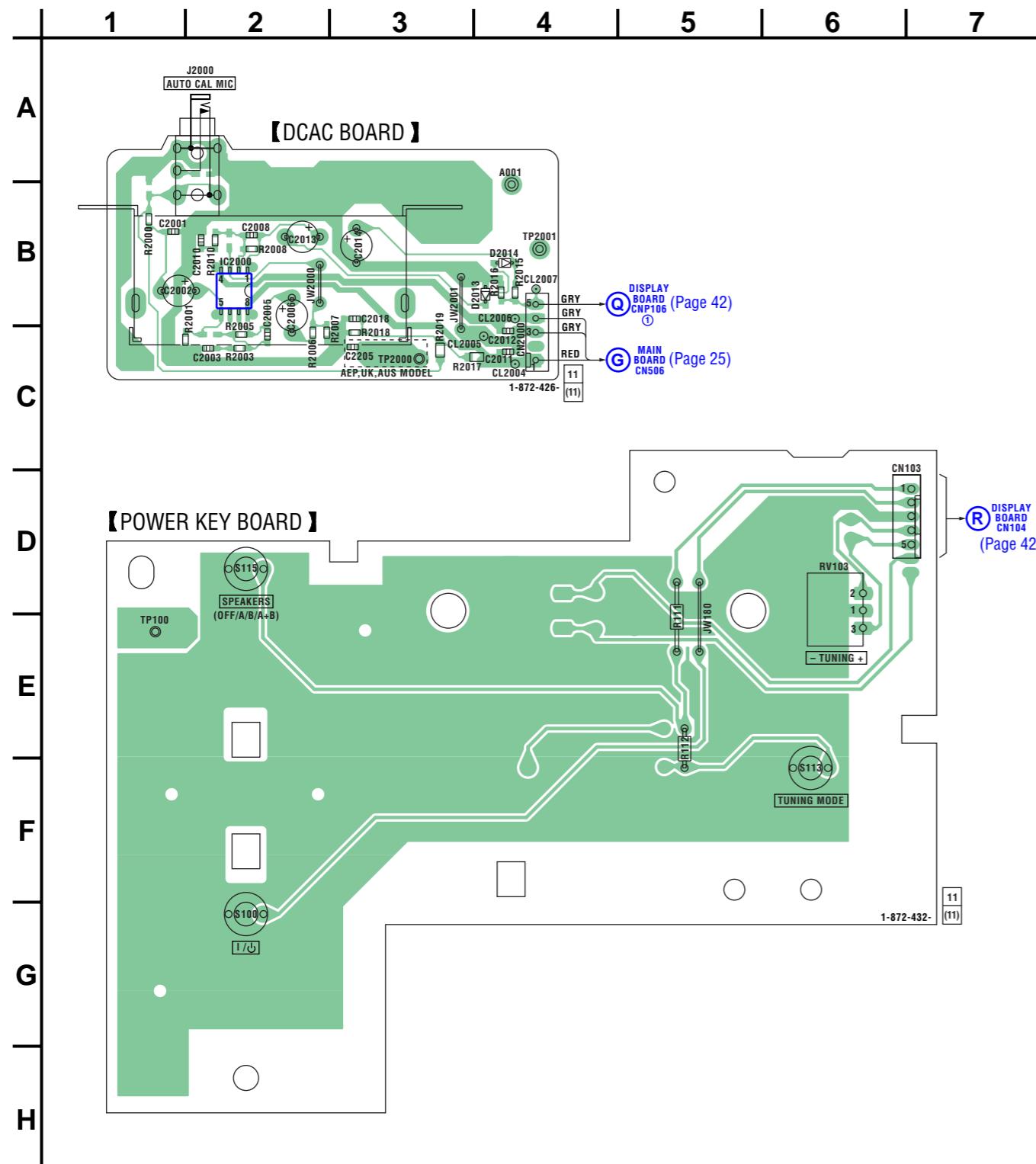


5-16. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/3) • Refer to page 48 IC Block Diagrams.

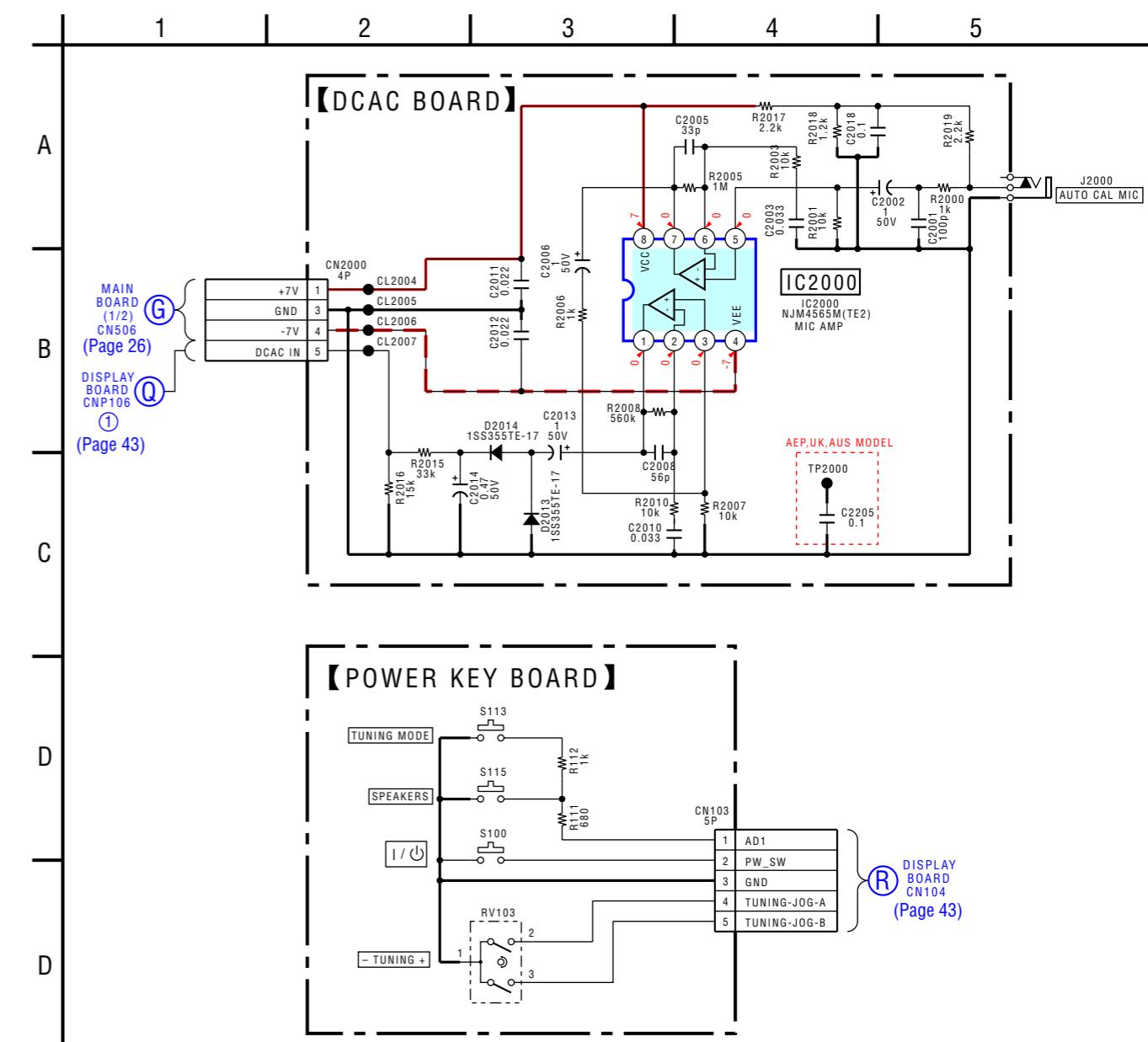


5-17. PRINTED WIRING BOARDS — DCAC, POWER KEY SECTION —

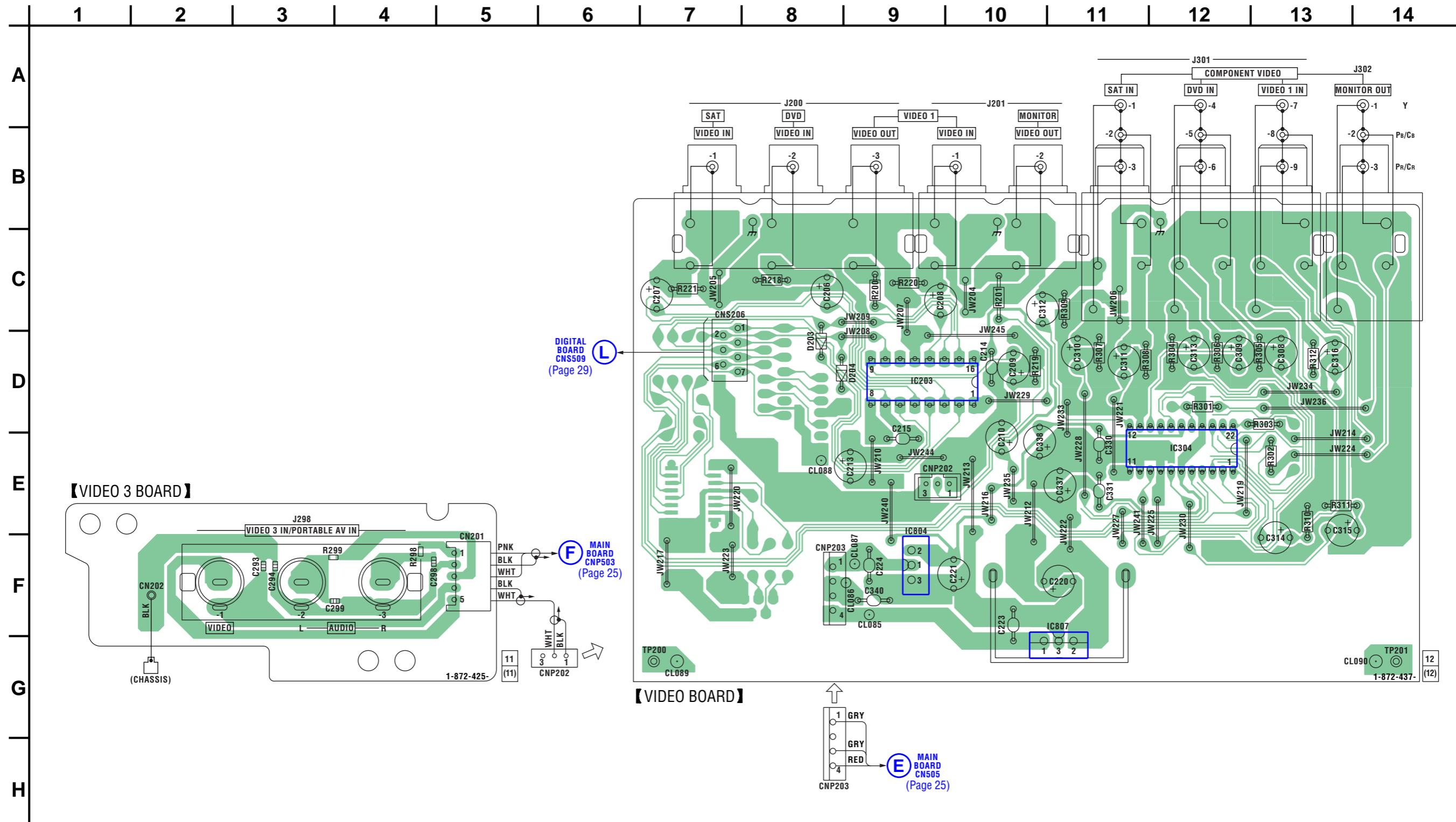
• Refer to page 16 for Circuit Boards Location.  : Uses unleaded solder.



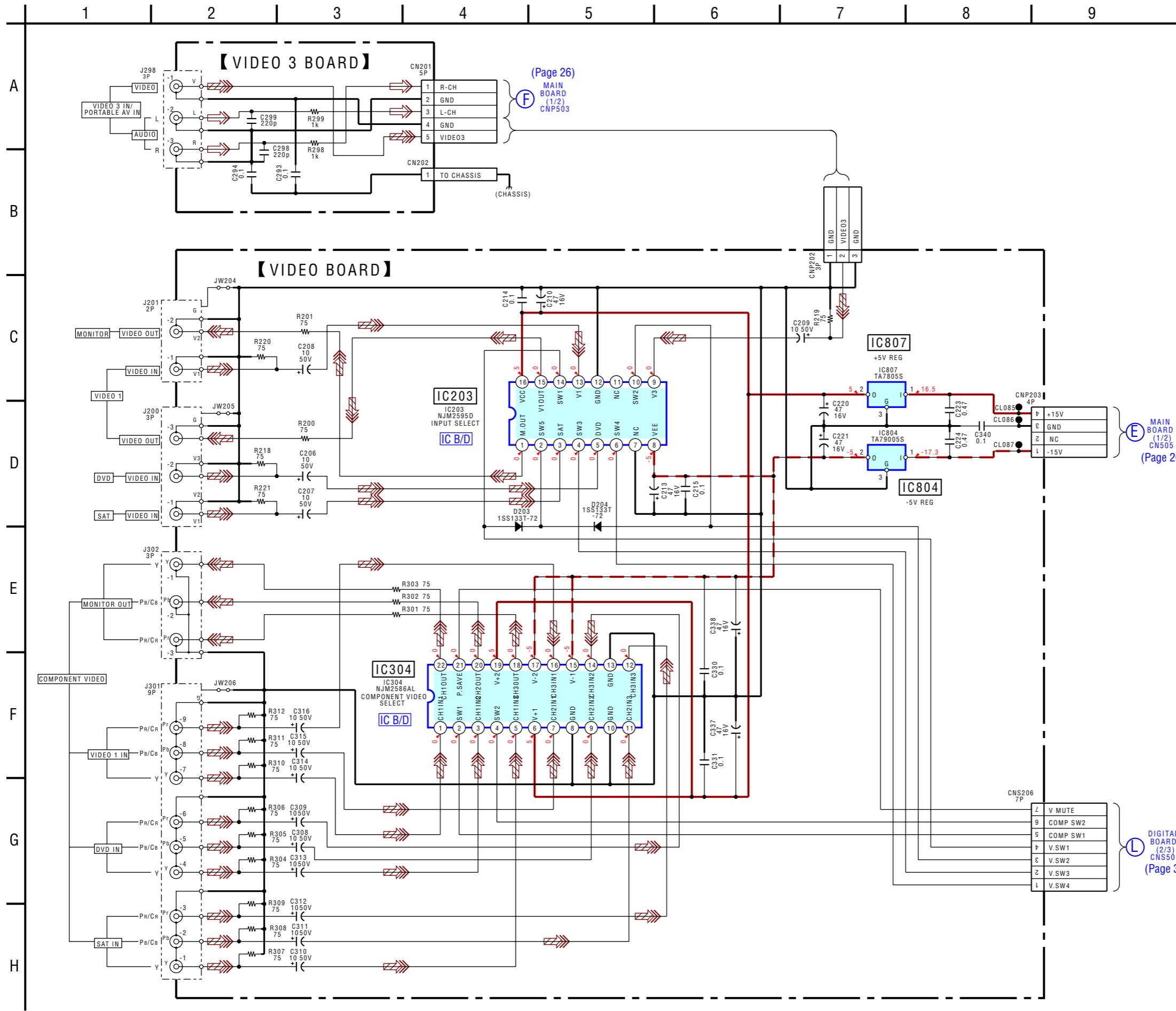
5-18. SCHEMATIC DIAGRAM — DCAC, POWER KEY SECTION —



5-19. PRINTED WIRING BOARDS — VIDEO SECTION — • Refer to page 16 for Circuit Boards Location.  : Uses unleaded solder.



5-20. SCHEMATIC DIAGRAM — VIDEO SECTION — • Refer to page 49 for IC Block Diagrams.

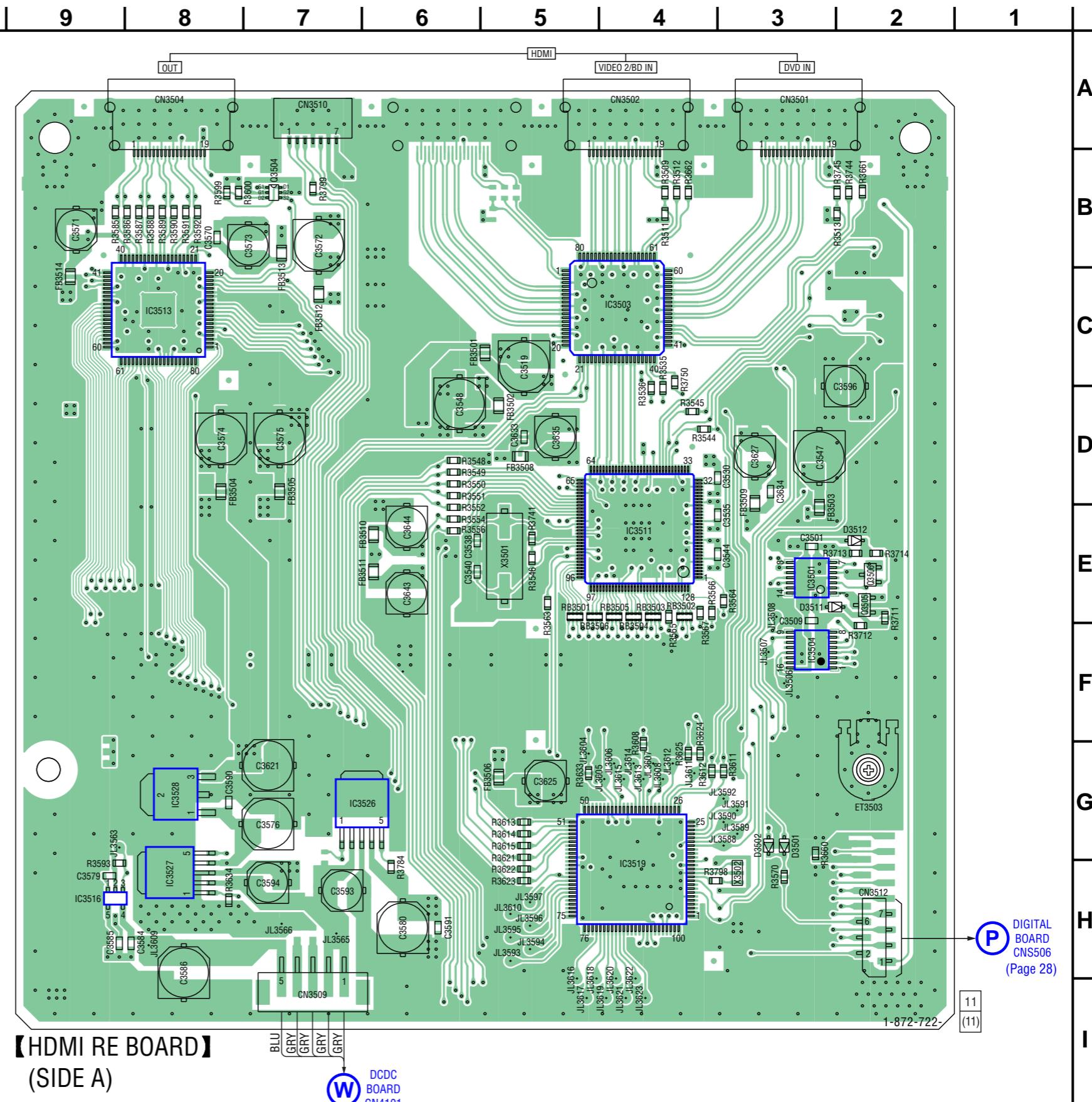


5-21. PRINTED WIRING BOARD — HDMI RE SECTION (1/2) — • Refer to page 16 for Circuit Boards Location. : Uses unleaded solder.

- Semiconductor Location

Ref. No.	Location
D3501	G-3
D3502	G-3
D3511	E-3
D3512	E-2
IC3501	E-3
IC3503	C-4
IC3504	F-3
(IC3507)	B-2
(IC3509)	C-2
IC3511	E-4
IC3513	C-8
IC3516	H-9
IC3519	H-4
(IC3521)	C-2
IC3526	G-6
IC3527	H-8
IC3528	G-8
Q3504	B-7
Q3505	E-2
Q3506	E-2

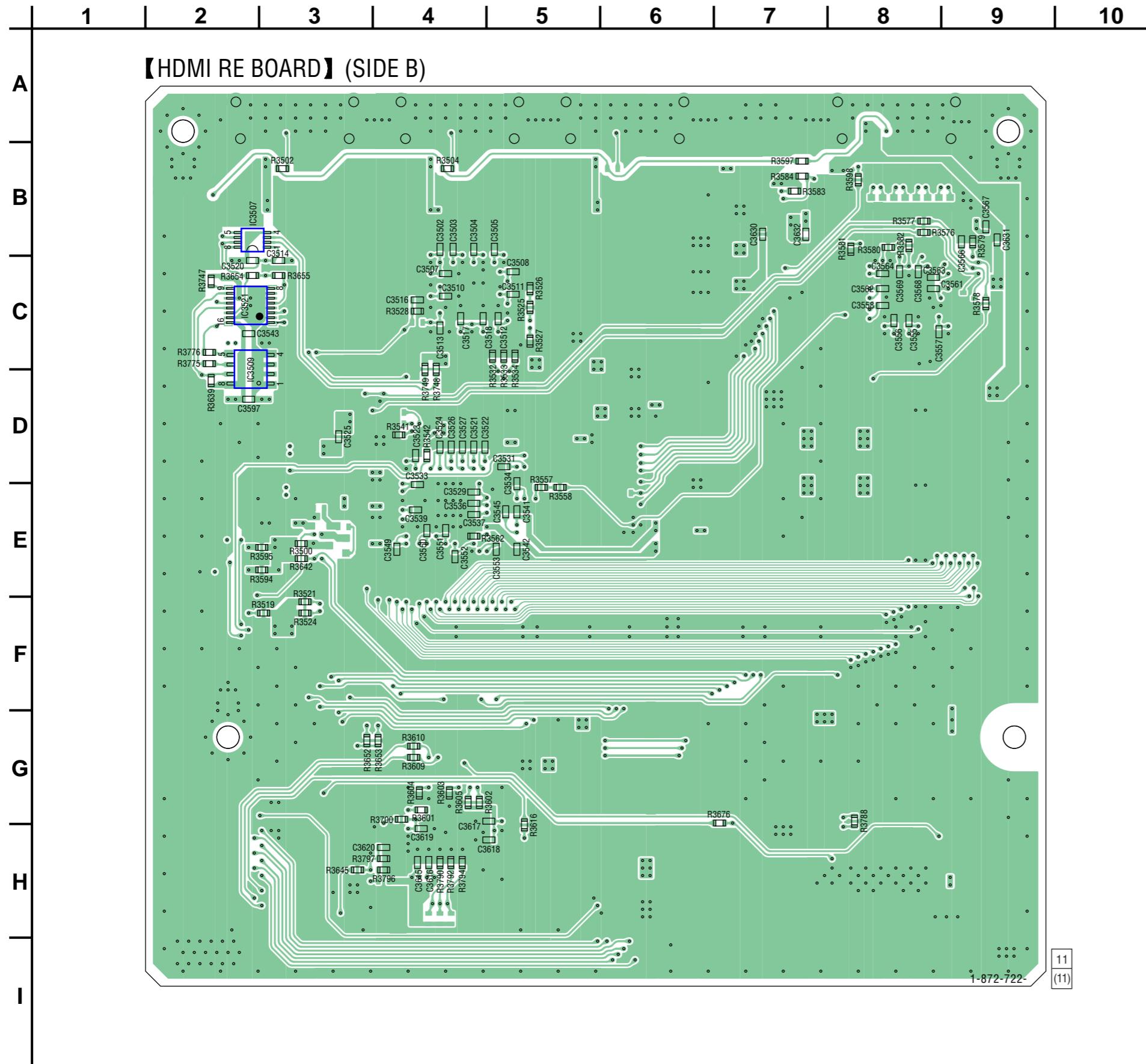
() : SIDE B



Note: When IC3511 and IC3513 on the HDMI RE board are damaged, exchange the new HDMI RE board for the HDMI RE board which IC damaged.

DCDC
BOARD
CN4101
(Page 45)

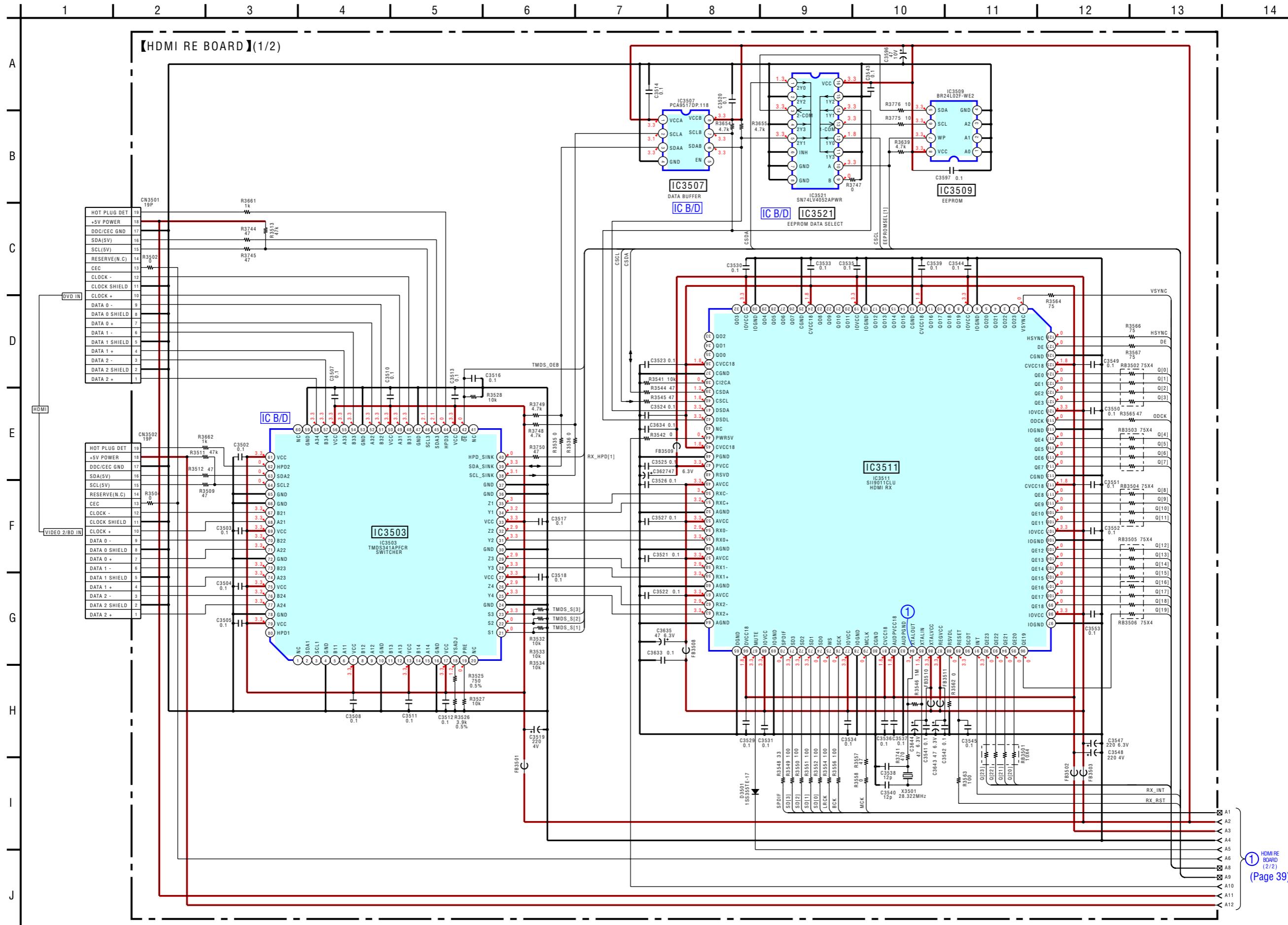
5-22. PRINTED WIRING BOARD — HDMI RE SECTION (2/2) — • Refer to page 16 for Circuit Boards Location.  : Uses unleaded solder.



- Refer to page 24 for Waveforms.
- Refer to page 50 for IC Block Diagrams.
- Refer to page 60 for IC Pin Description.

5-23. SCHEMATIC DIAGRAM — HDMI RE SECTION (1/2)

Note: When IC3511 and IC3513 on the HDMI RE board are damaged, exchange the new HDMI RE board for the HDMI RE board which IC damaged.

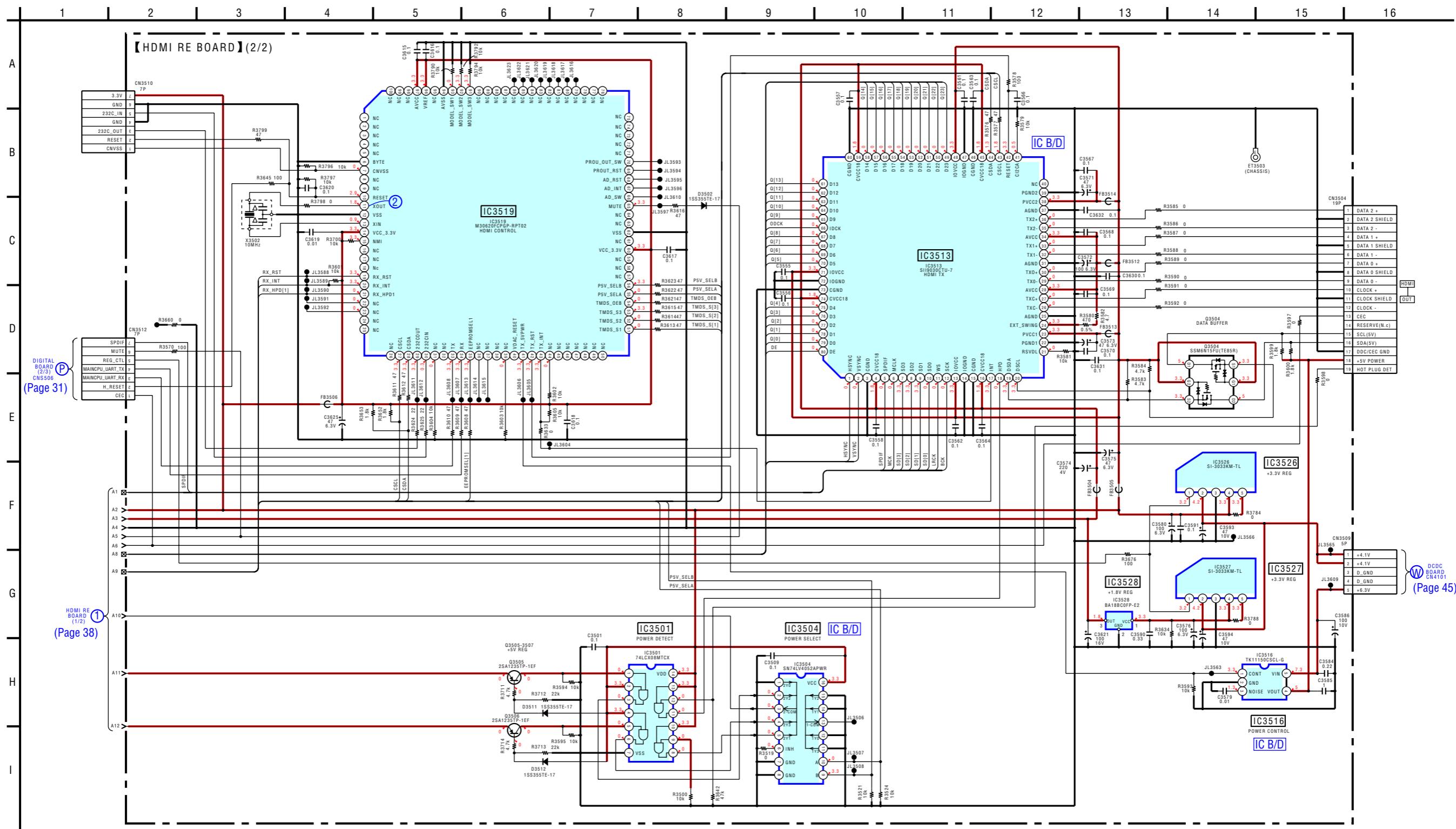


① HDMI RE BOARD (2/2)
(Page 39)

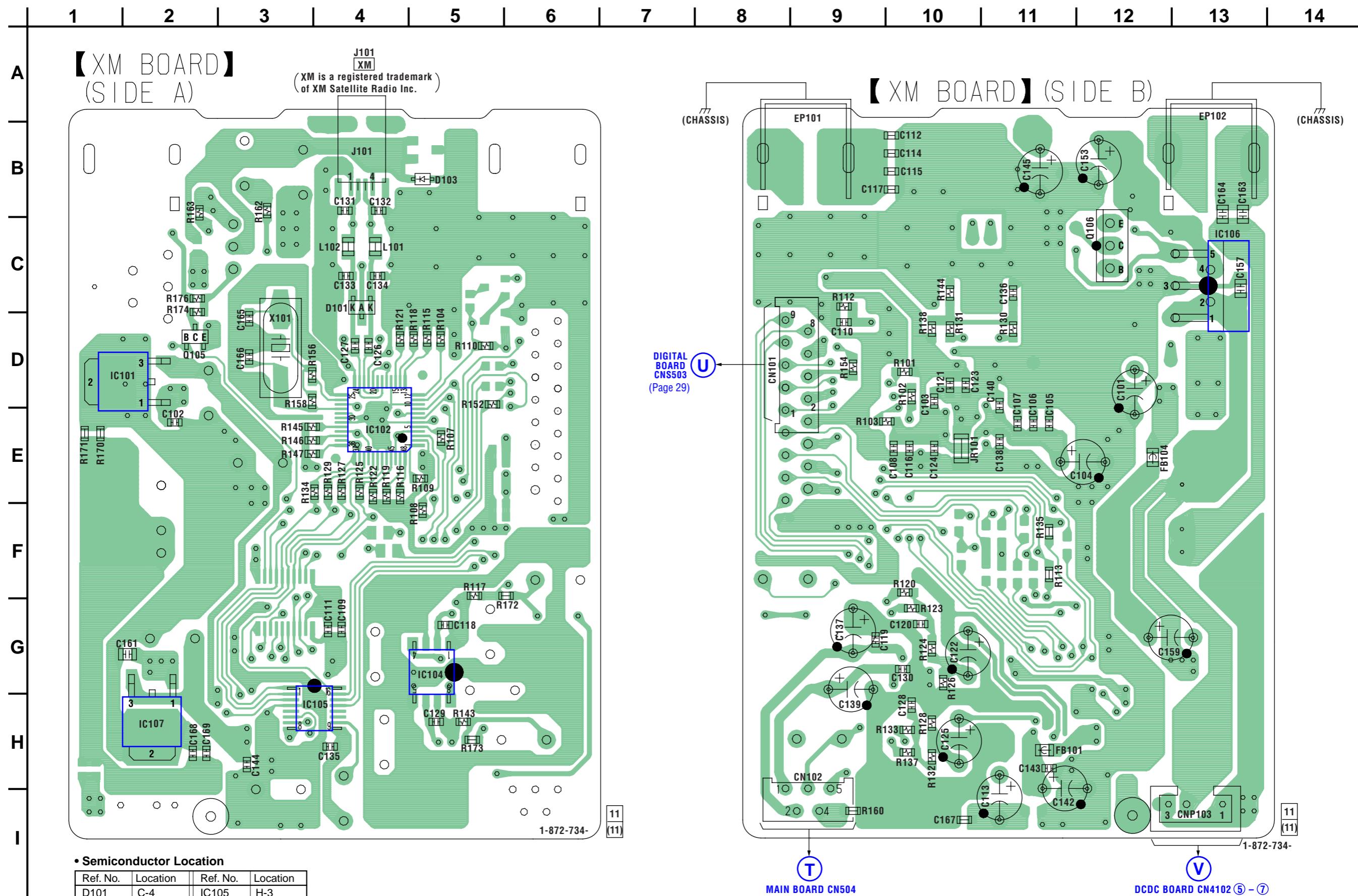
- Refer to page 24 for Waveforms.
- Refer to page 51 for IC Block Diagrams.
- Refer to page 62 for IC Pin Description.

5-24. SCHEMATIC DIAGRAM — HDMI RE SECTION (2/2)

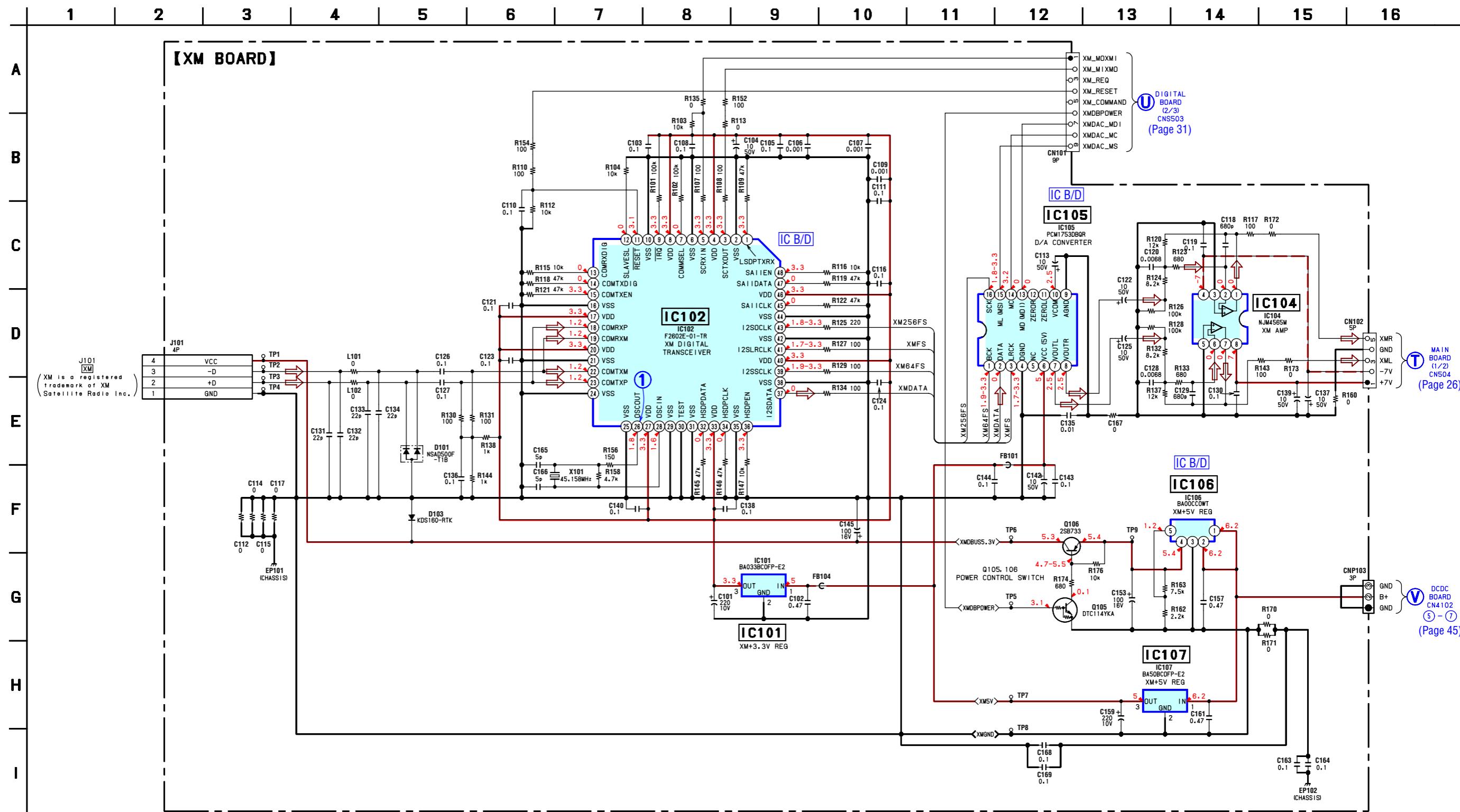
Note: When IC3511 and IC3513 on the HDMI RE board are damaged, exchange the new HDMI RE board for the HDMI RE board which IC damaged.



5-25. PRINTED WIRING BOARD — XM SECTION (US, Canadian MODEL ONLY) — • Refer to page 16 for Circuit Boards Location.  : Uses unleaded solder.

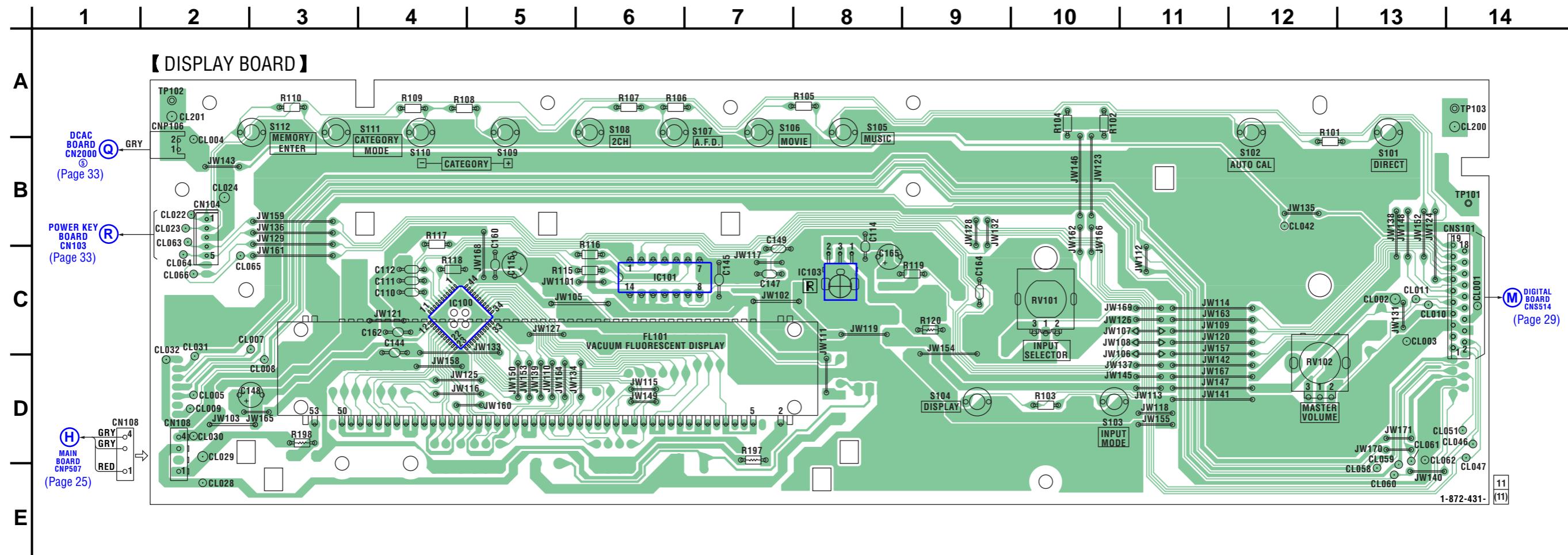


5-26. SCHEMATIC DIAGRAM — XM SECTION (US, Canadian MODEL ONLY) — • Refer to page 24 for Waveforms.
• Refer to page 52 for IC Block Diagrams.



5-27. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 16 for Circuit Boards Location. : Uses unleaded solder.

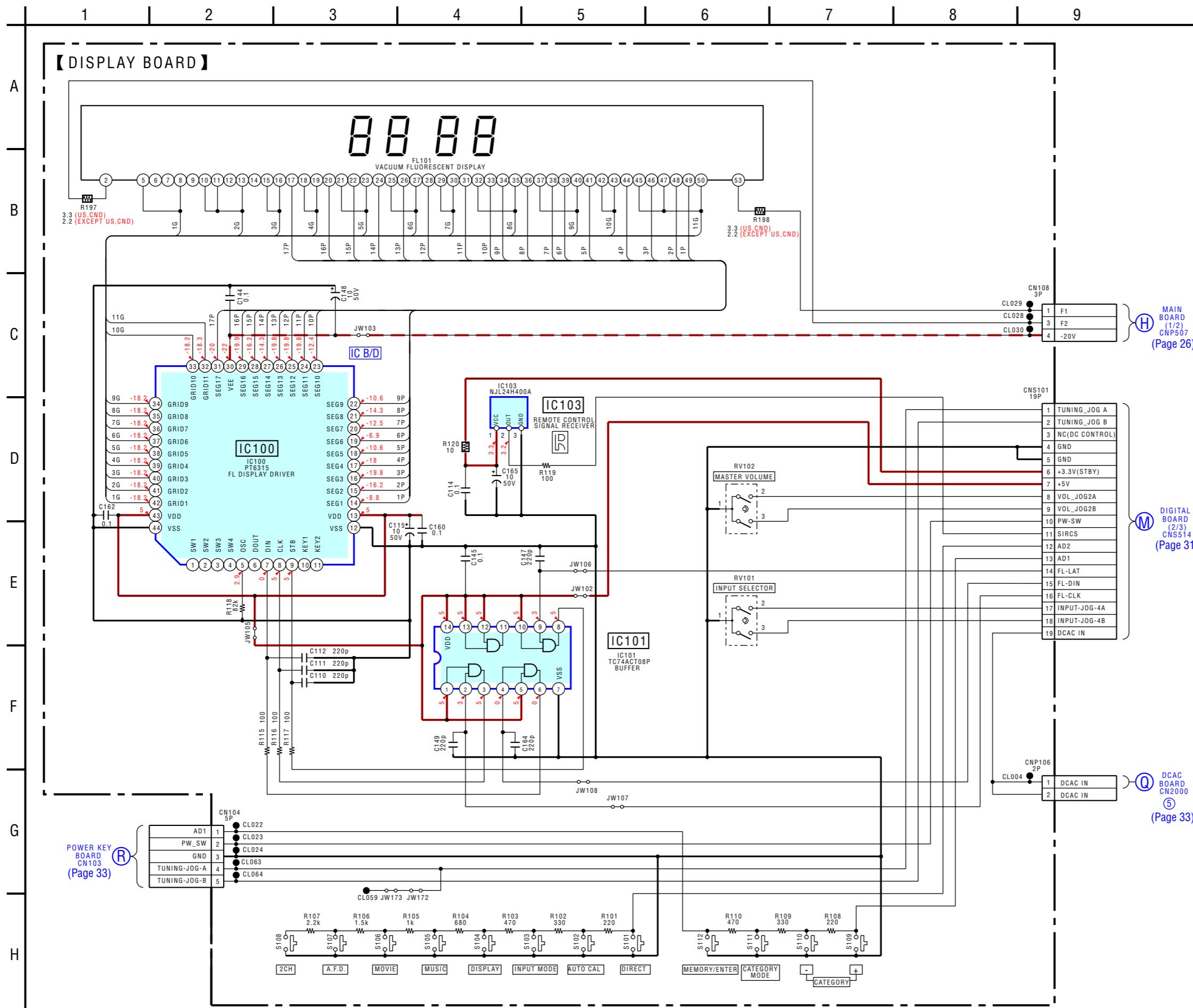
 : Uses unleaded solder.



- Semiconductor Location

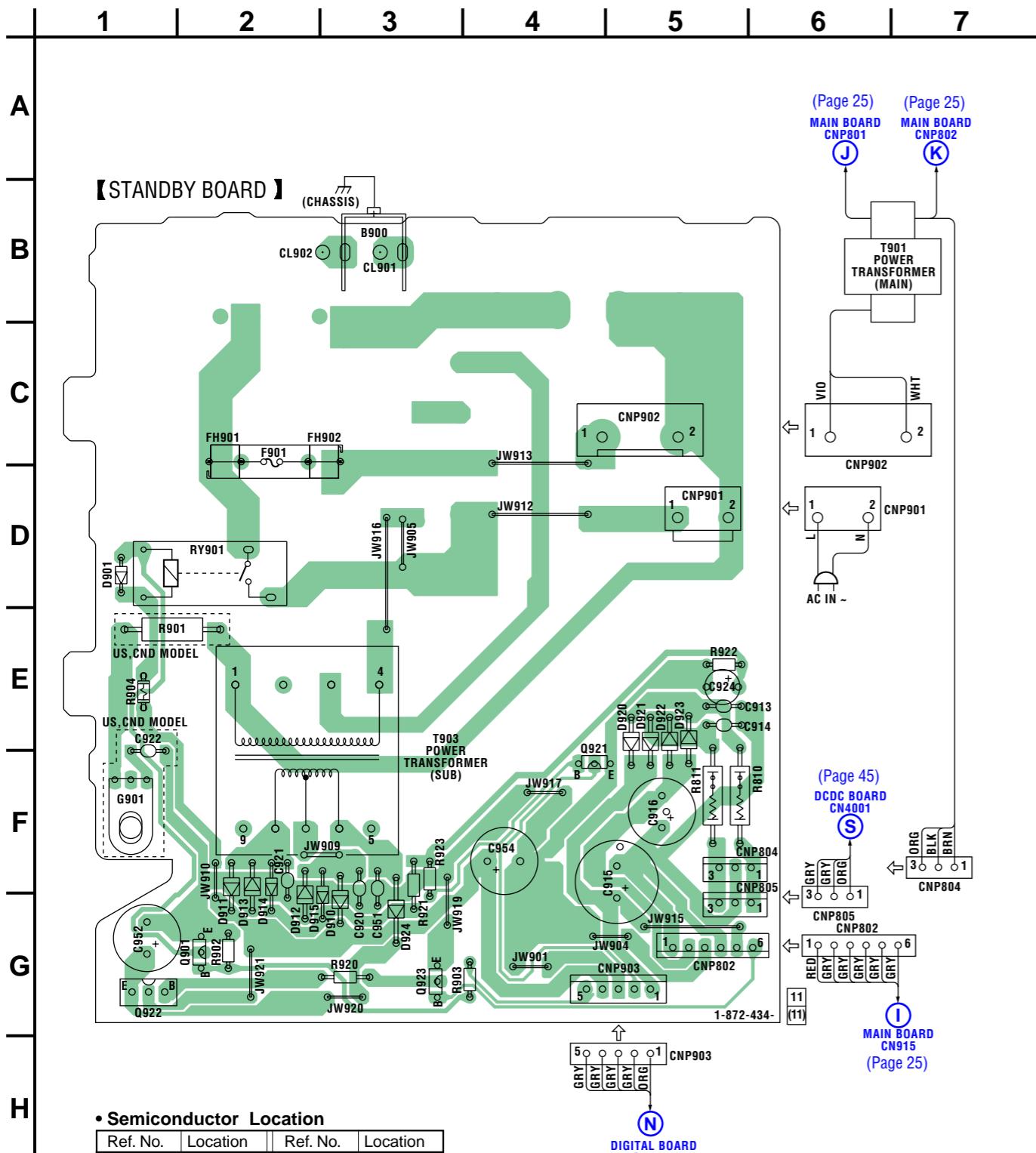
Ref. No.	Location
IC100	C-4
IC101	C-6
IC103	C-8

5-28. SCHEMATIC DIAGRAM — DISPLAY SECTION — • Refer to page 53 for IC Block Diagrams.



5-29. PRINTED WIRING BOARD — POWER SECTION —

• Refer to page 16 for Circuit Boards Location.  : Uses unleaded solder.

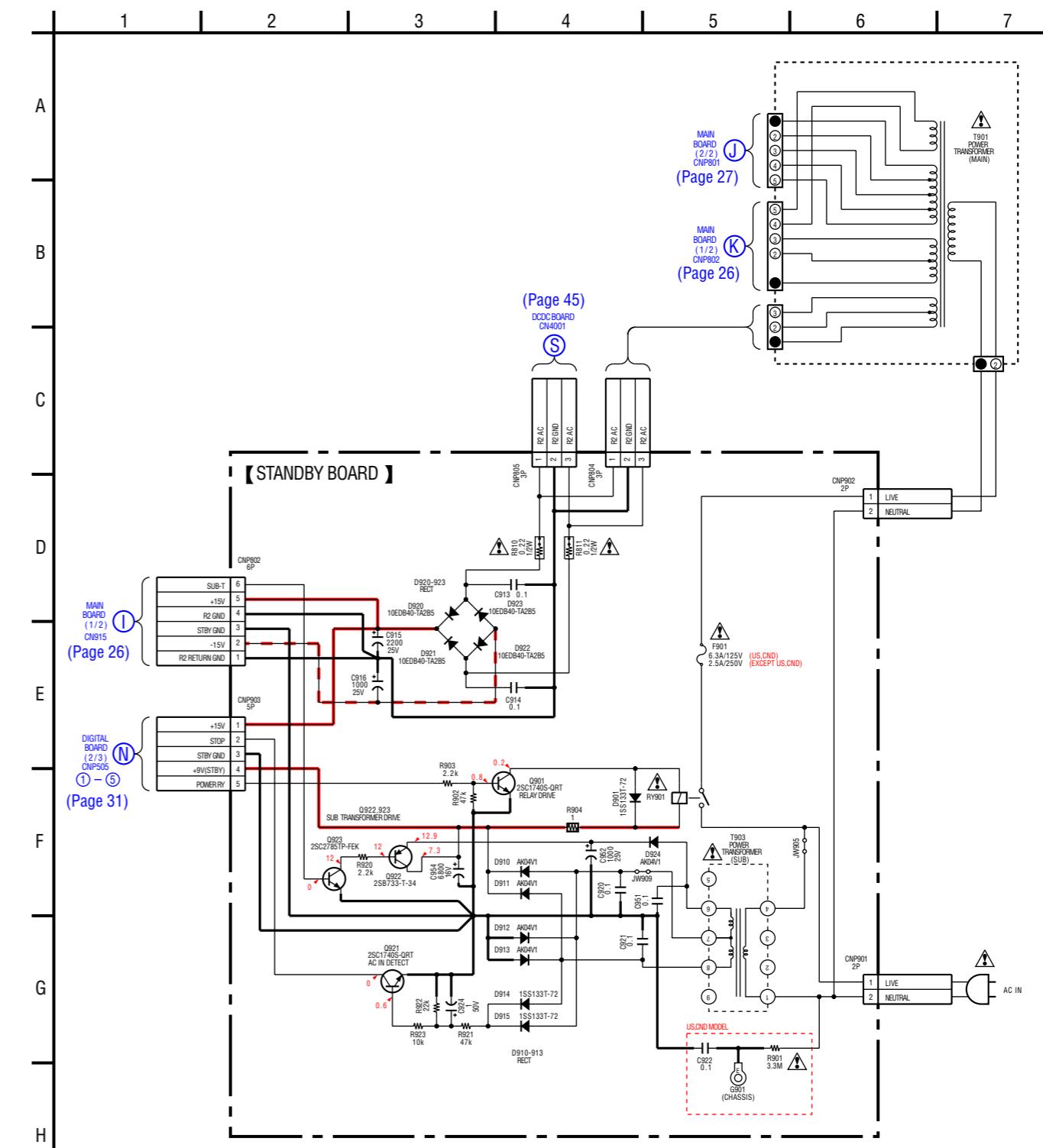


• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D901	D-1	D922	E-5
D910	G-3	D923	E-5
D911	G-2	D924	G-3
D912	G-2		
D913	G-2	Q901	G-2
D914	G-2	Q921	F-4
D915	G-2	Q922	G-1
D920	E-5	Q923	G-3
D921	E-5		

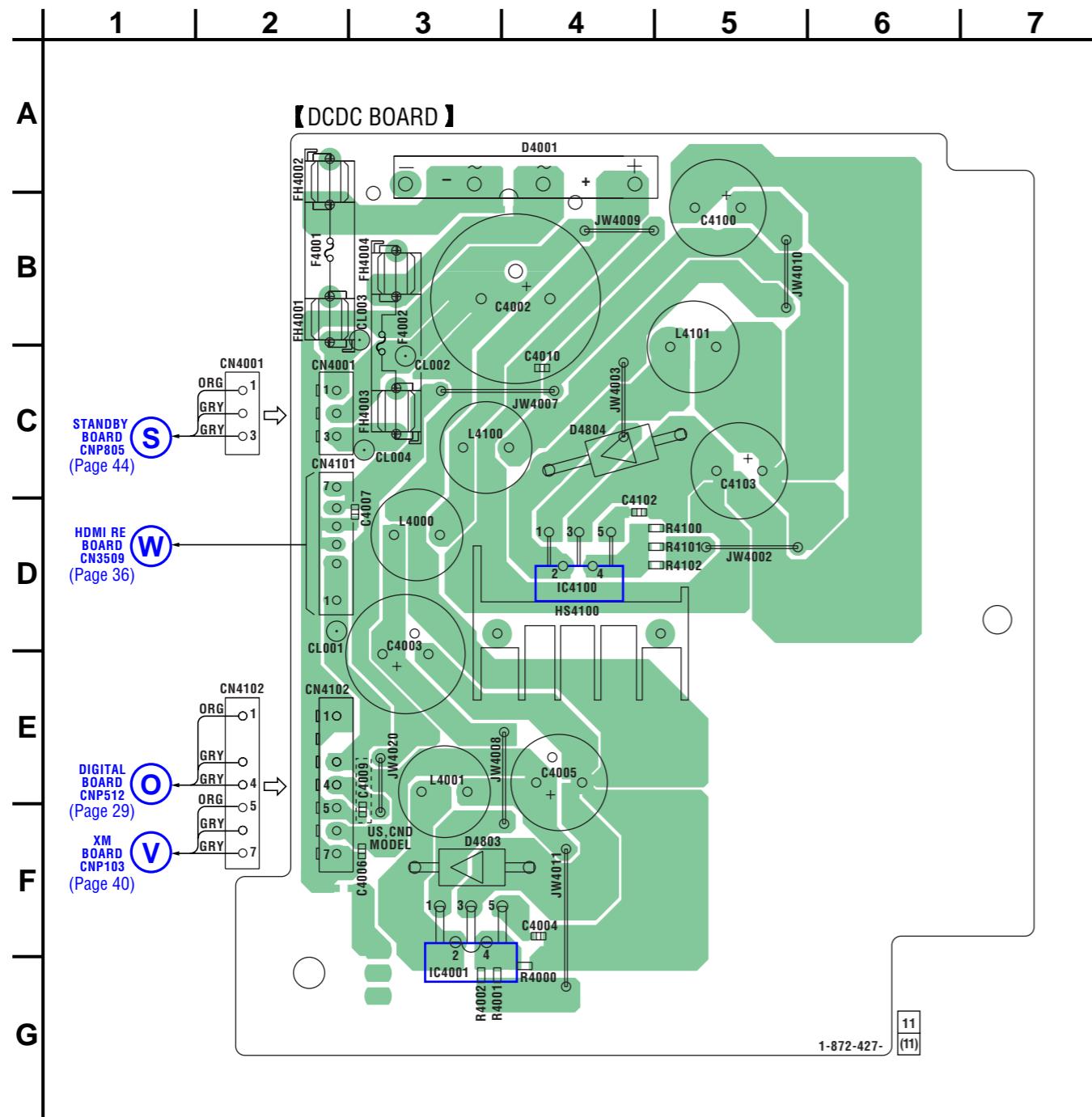
DIGITAL BOARD
CNP505
①-⑤
(Page 29)

5-30. SCHEMATIC DIAGRAM — POWER SECTION —



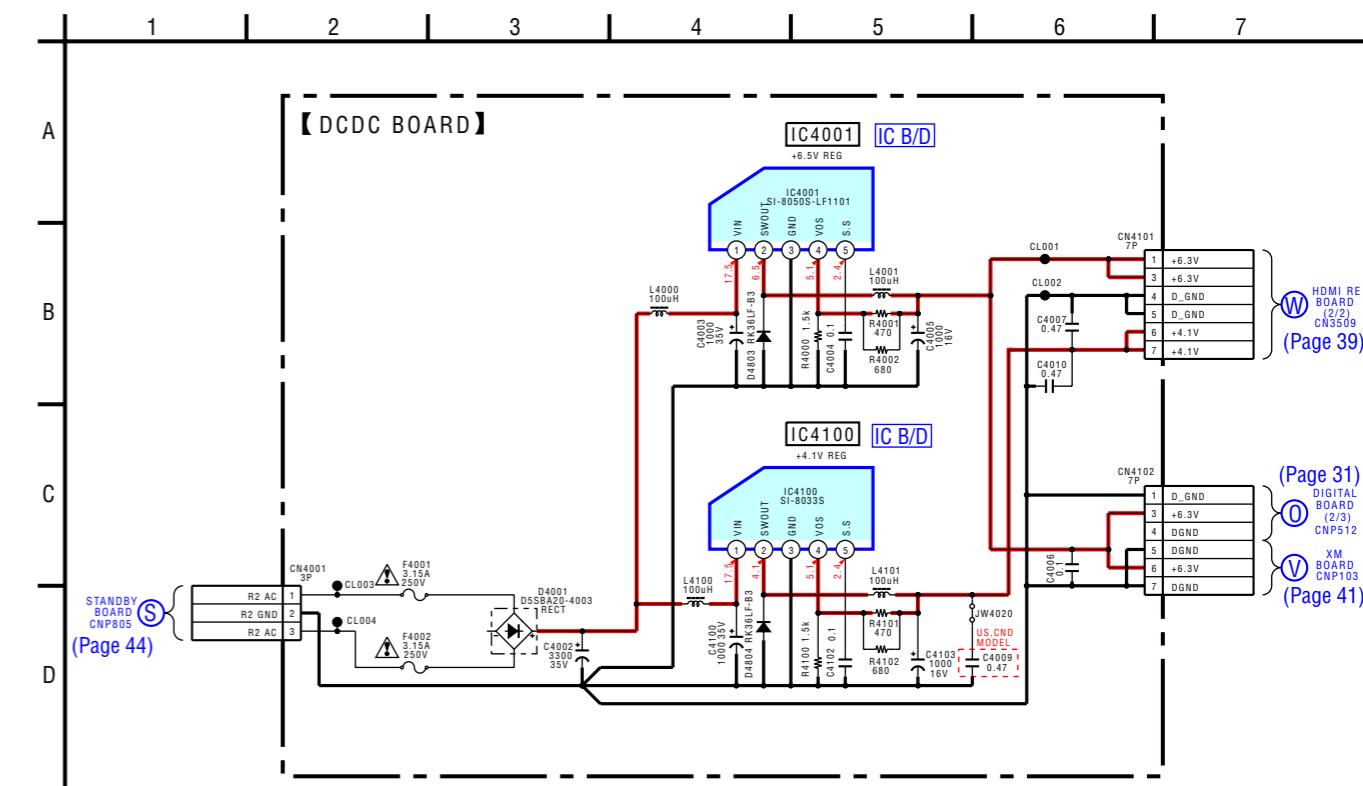
5-31. PRINTED WIRING BOARD — DCDC SECTION —

- Refer to page 16 for Circuit Boards Location.  : Uses unleaded solder



5-32. SCHEMATIC DIAGRAM — DCDC SECTION — • Refer to page 54 for IC Block Diagrams.

3-32. SCHEMATIC DIAGRAM — DCDC SECTION — • Refer to page 34 for IC Block Diagrams.

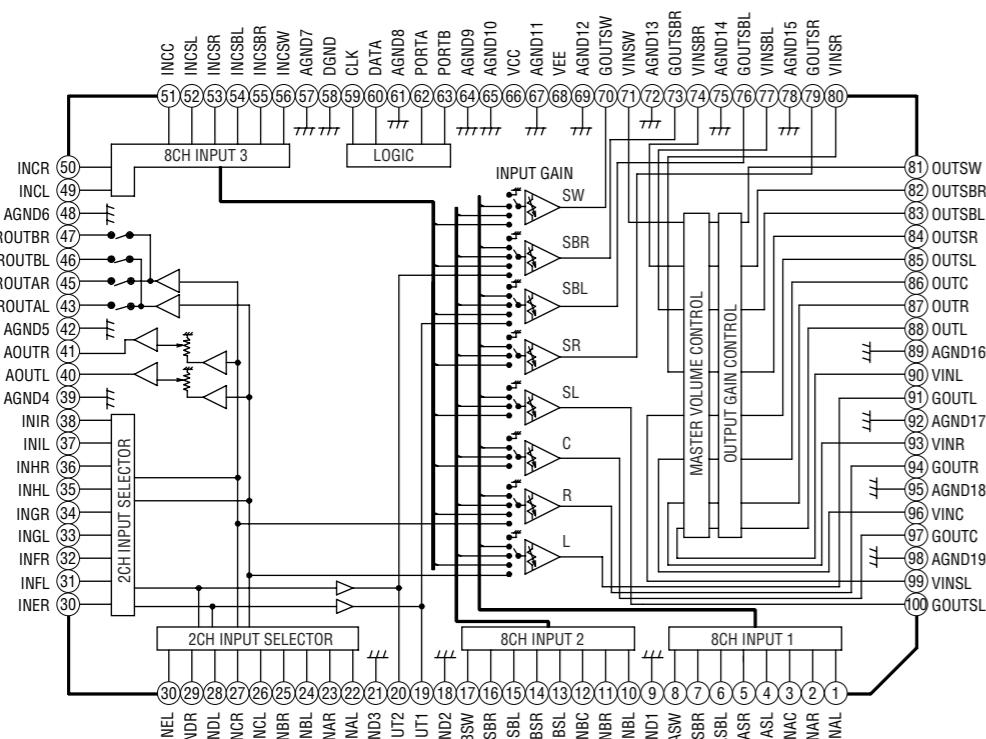


- Semiconductor Location

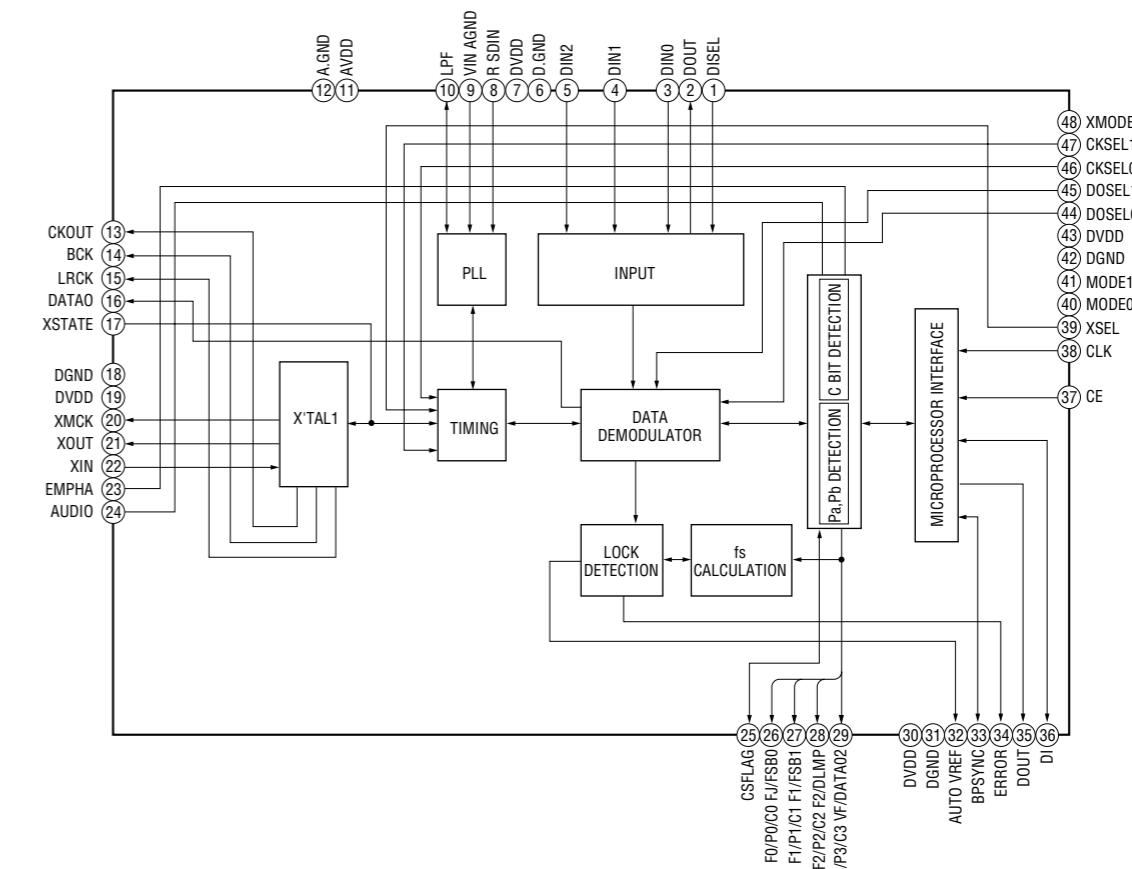
Ref. No.	Location
D4001	A-4
D4803	F-3
D4804	C-4
IC4001	G-3
IC4100	D-4

• IC Block Diagrams

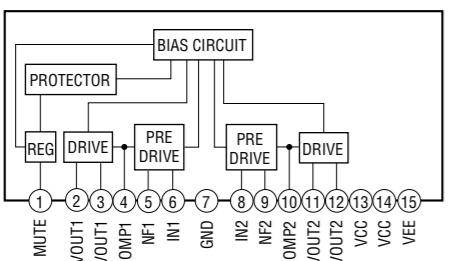
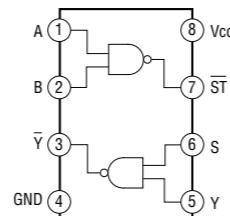
IC401 BD3451KS (MAIN Board (1/2))



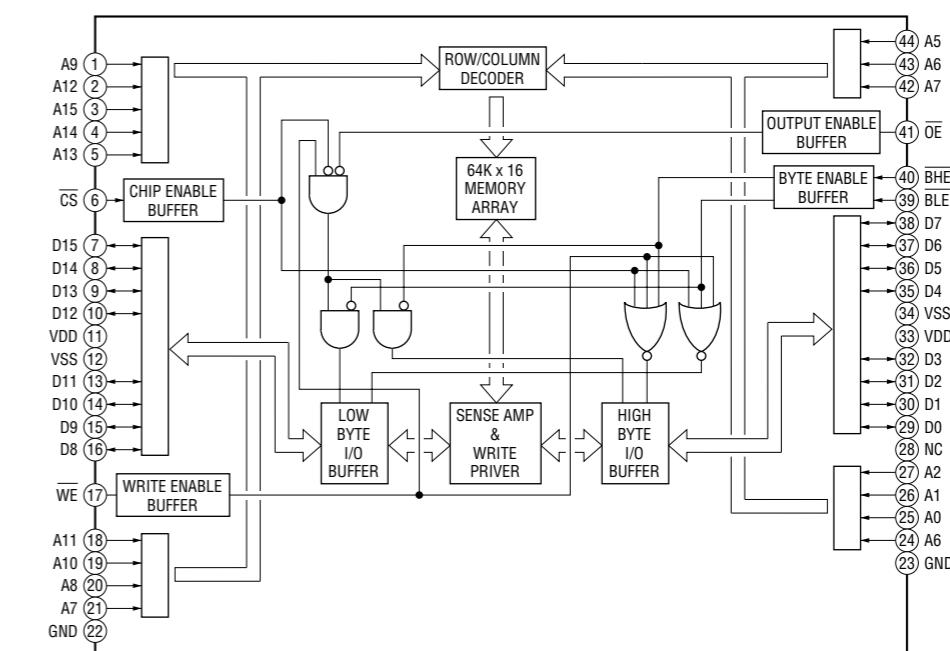
IC1301 LC89056W-E (DIGITAL Board (1/3))



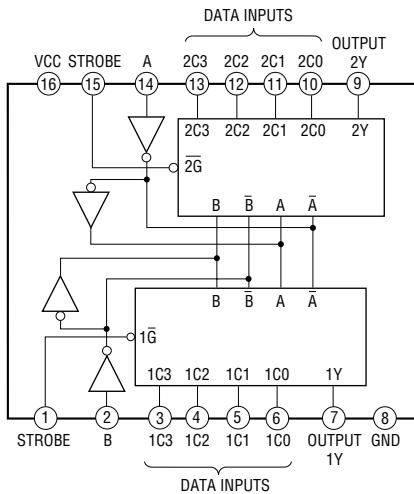
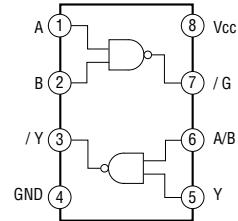
IC501 μPC2581V-S (MAIN Board (2/2))
IC601 μPC2581V-S (MAIN Board (2/2))
IC701 μPC2581V-S (MAIN Board (2/2))

IC1503 TC7WH157FU(TE12R)
(DIGITAL Board (1/3))

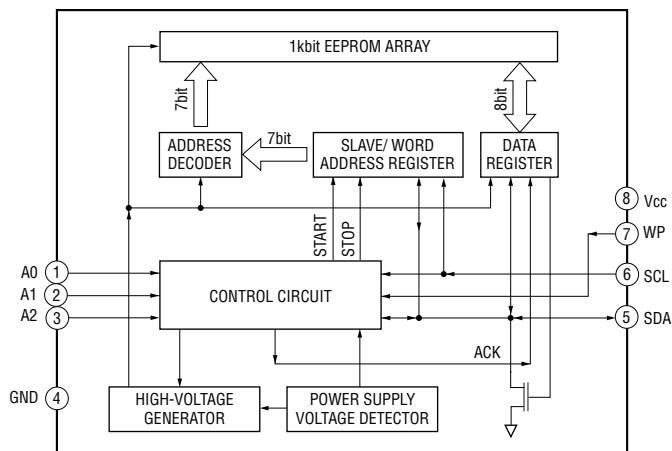
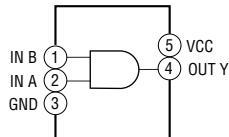
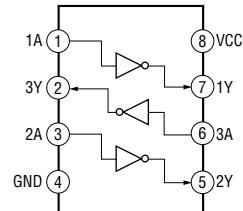
IC1502 IS61WV6416BLL-12TLI (DIGITAL Board (1/3))



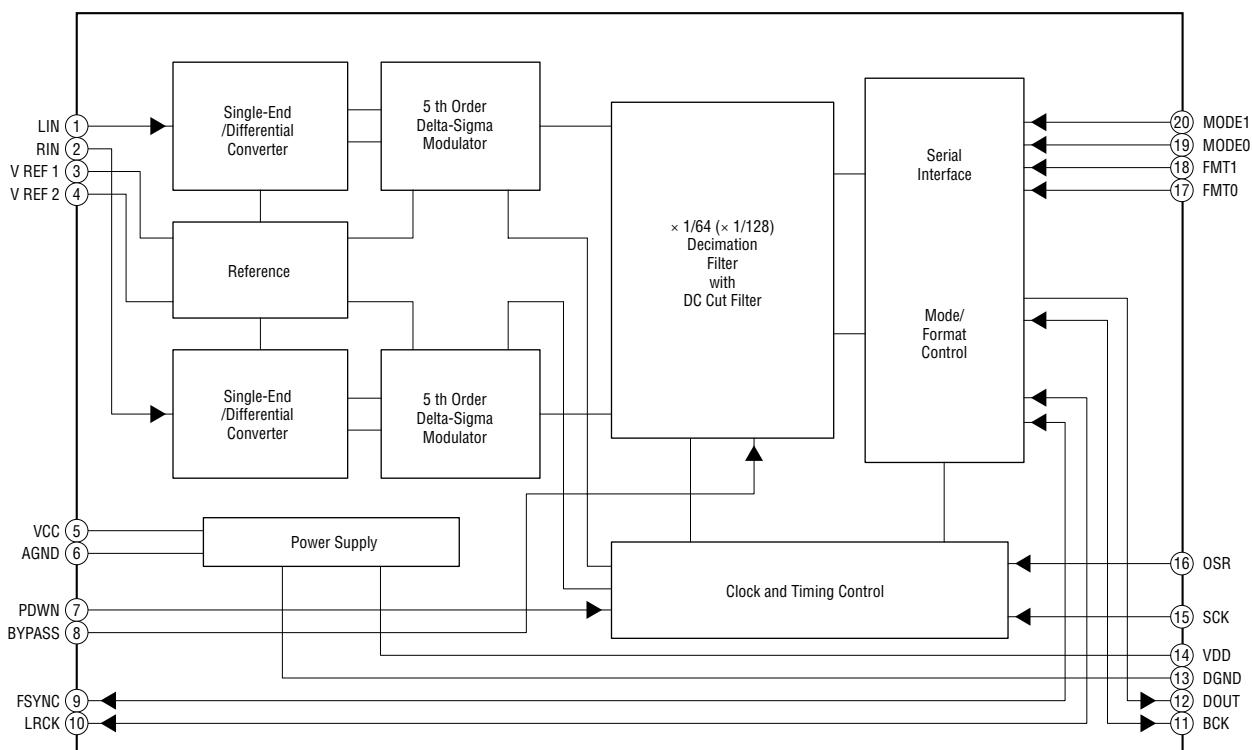
IC1302 TC74ACT153F(EL) (DIGITAL Board (1/3))

IC1017 TC7WH157FK
(DIGITAL Board (1/3))

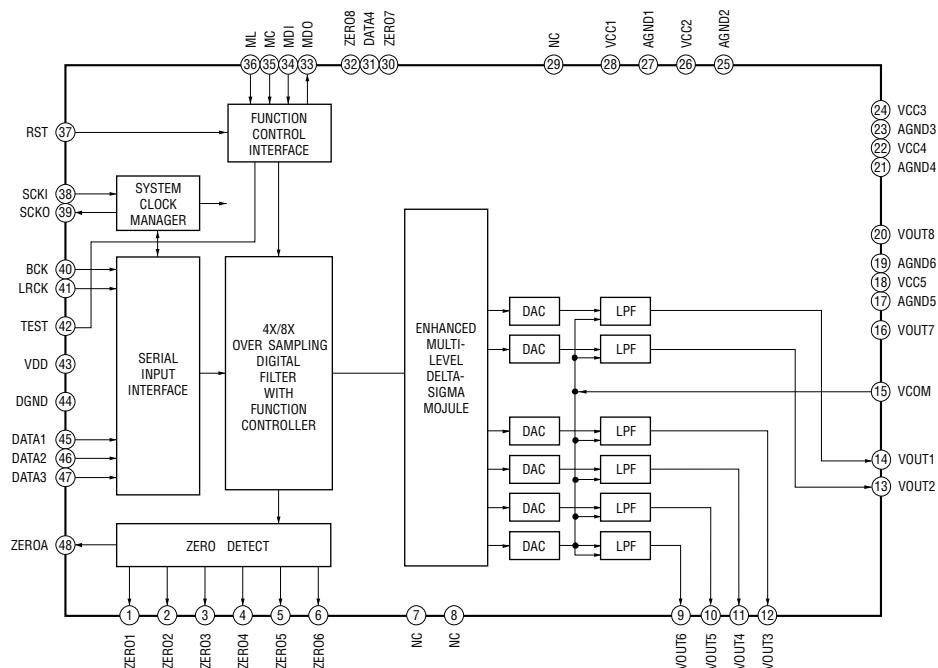
IC1131 BR24L16FJ-WE2 (DIGITAL Board (2/3))

IC1700 TC7S08FU(TE85R)
(DIGITAL Board (2/3))IC1710 TC7W14FU(TE12R)
(DIGITAL Board (2/3))

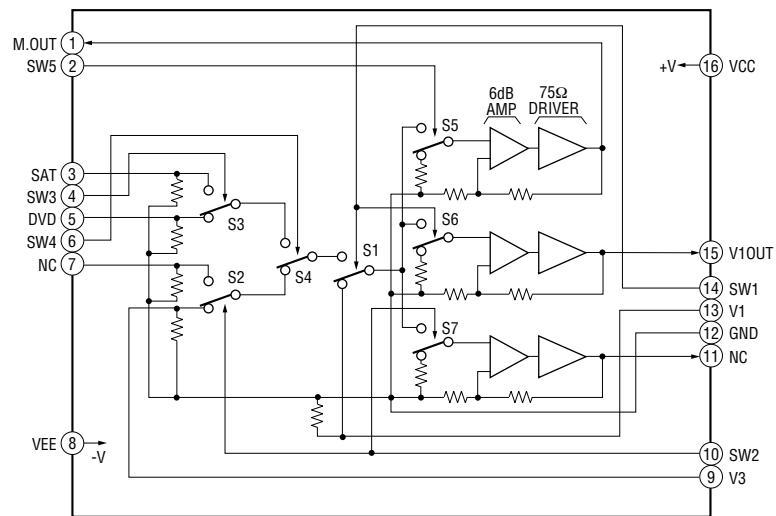
IC1401 PCM1803DBR (DIGITAL Board (3/3))



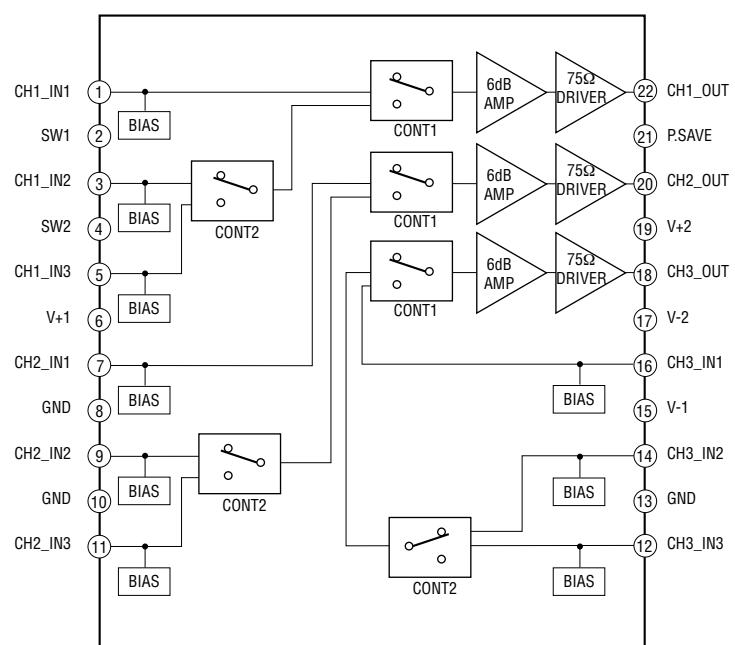
IC1452 PCM1602APT (DIGITAL Board (3/3))



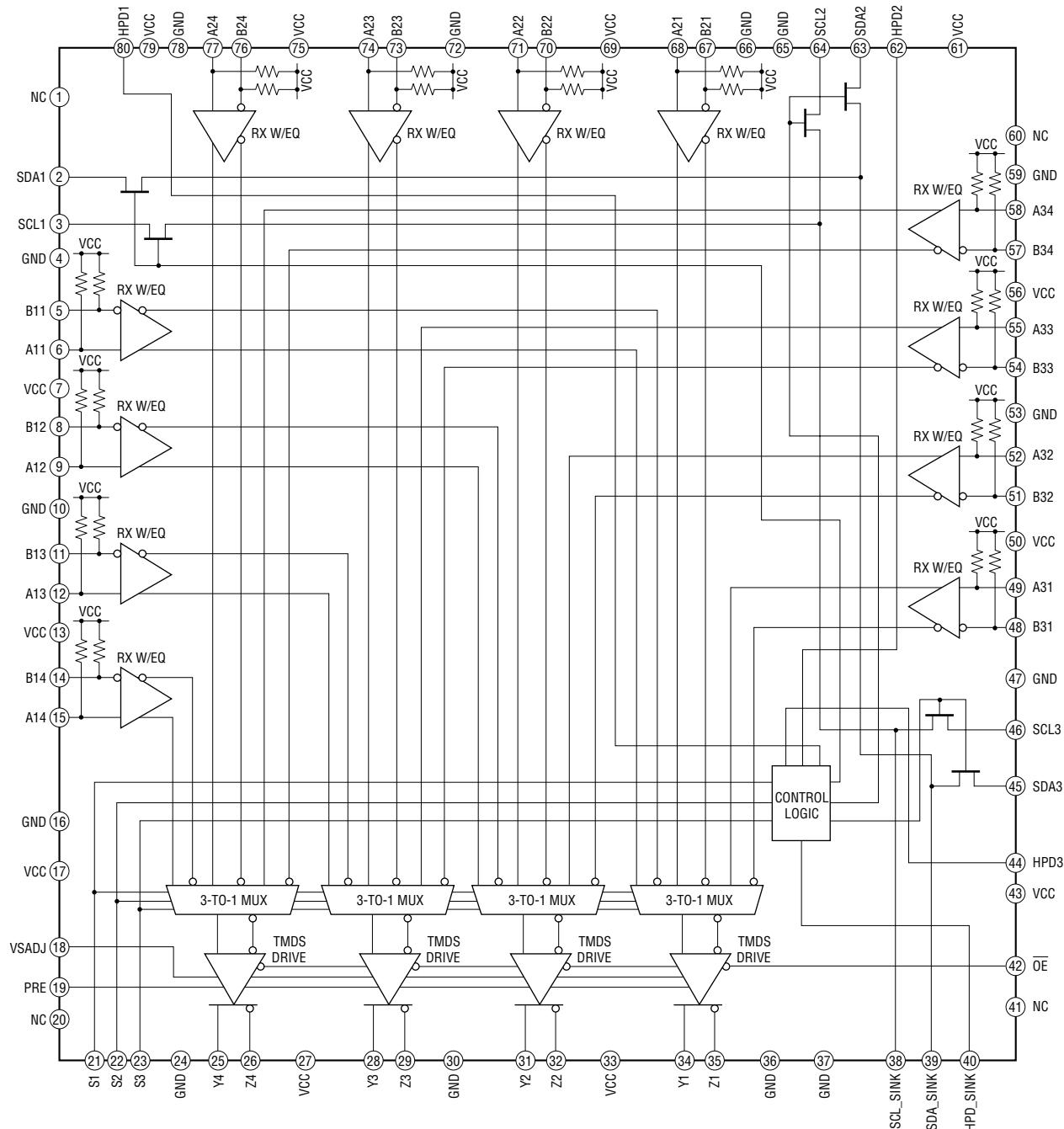
IC203 NJM2595D (VIDEO Board)



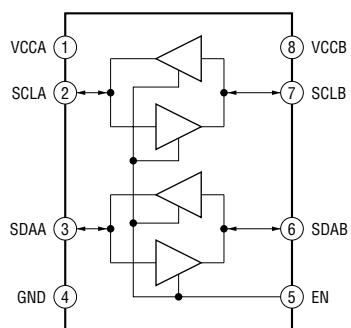
IC304 NJM2586AL (VIDEO Board)



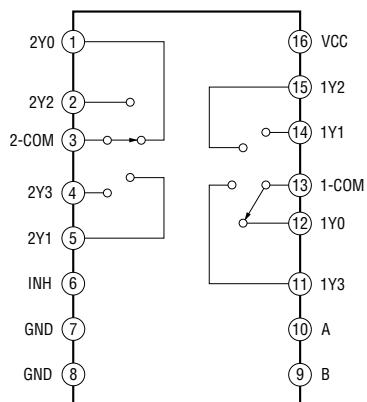
IC3503 TMDS341APFCR (HDMI RE Board (1/2))



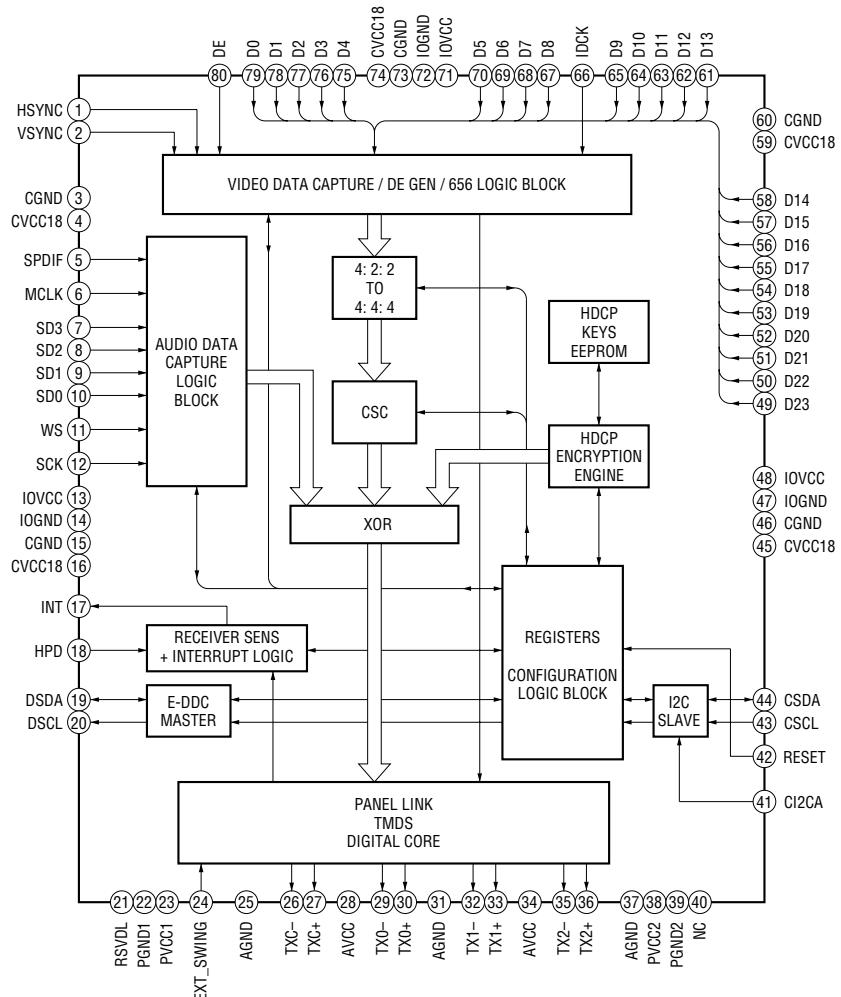
IC3507 PCA9517DP.118 (HDMI RE Board (1/2))



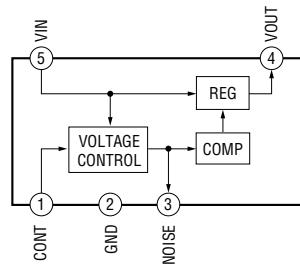
IC3521 SN74LV4052APWR (HDMI RE Board (1/2))
IC3504 SN74LV4052APWR (HDMI RE Board (2/2))



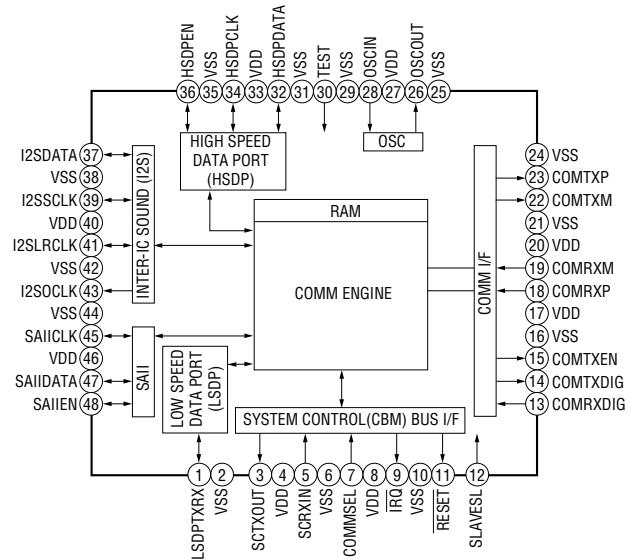
IC3513 SII9030CTU-7 (HDMI RE Board (2/2))



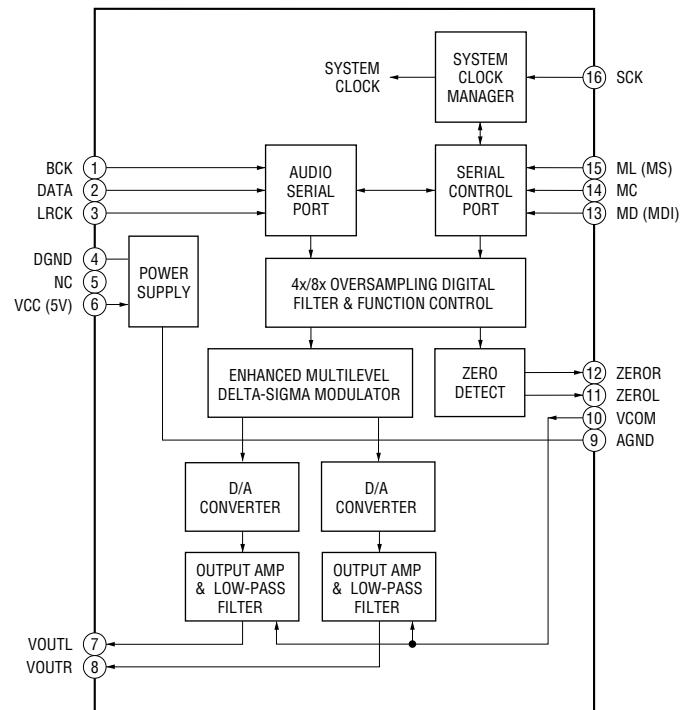
IC3516 TK11150CSCL-G (HDMI RE Board (2/2))



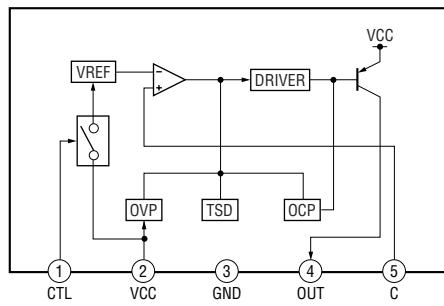
IC102 F2602E-01-TR (XM Board)



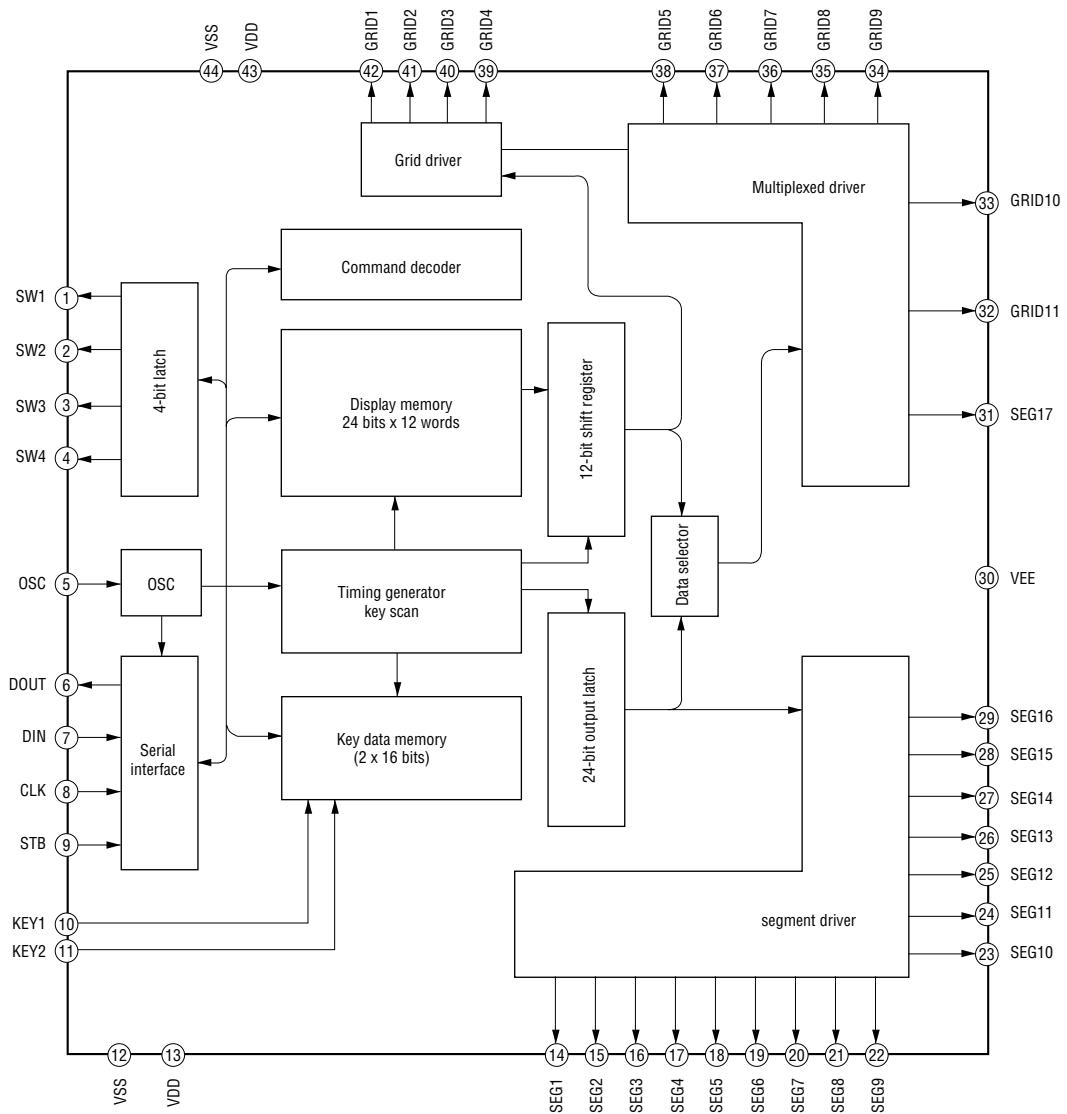
IC105 PCM1753DBQR (XM Board)



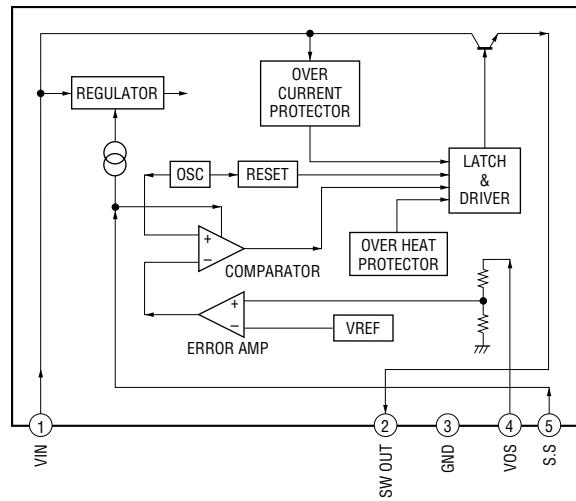
IC106 BA00CC0WT(-V5) (XM Board)



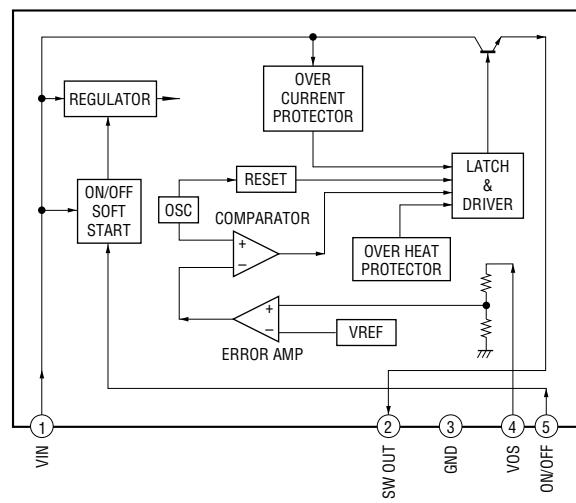
IC100 PT6315 (DISPLAY Board)



IC4001 SI-8050S-LF1101 (DCDC Board)



IC4100 SI-8033S (DCDC Board)



• IC Pin Descriptions

IC1501 CXD9718BQ (DIGITAL SIGNAL PROCESSOR) (DIGITAL BOARD (1/3))

Pin No.	Pin Name	I/O	Pin Description
1	VSS	—	Ground pin
2	XRST	I	Reset signal input from system control IC
3	EXTIN	I	Not used. (Connect to ground.)
4	LRCKI3	I	Not used. (Connect to ground.)
5	VDDI	I	Power supply pin (+1.9 V)
6	BCKI3	I	Not used. (Connect to ground.)
7	PLOCK	O	Not used. (Open)
8	VSS	—	Ground pin
9	MCLK1	I	Clock signal input (13.9 MHz)
10	VDDI	I	Power supply pin (+1.9 V)
11	VSS	—	Ground pin
12	MCLK2	O	Clock signal output (13.9 MHz)
13	MS	I	Not used. (Fixed at L.)
14	SCKOUT	O	Internal system clock signal output for 8CH D/A converter IC
15	LRCKI1	I	Sampling clock signal input from A/D converter IC
16	VDDE	I	Power supply pin (+3.3 V)
17	BCKI1	I	Bit clock signal input from A/D converter IC
18	SDI1	I	Audio IF data input from A/D converter IC
19	LRCKO	O	Sampling clock signal output for 8CH D/A converter IC
20	BCKO	O	Bit clock signal output for 8CH D/A converter IC
21	VSS	—	Ground pin
22	KFSIO	I/O	Audio clock signal (384fs/256fs) input/output for digital audio interface receiver IC
23 to 26	SDO1 to SDO4	O	Digital audio serial data output for 8CH D/A converter IC
27	SPDIF	O	Not used. (Open)
28	LRCKI2	I	Sampling clock signal input from A/D converter IC
29	BCKI2	I	Bit clock signal input from A/D converter IC
30	SDI2	I	Digital audio serial data input from digital audio interface receiver IC
31	VSS	—	Ground pin
32	HACN	O	Acknowledge signal output for system control IC
33	HDIN	I	Serial data input from system control IC
34	HCLK	I	Clock signal input from system control IC
35	HDOOUT	O	Serial data output for system control IC
36	HCS	I	Chip select signal input from system control IC
37	GP12	I	GP12 signal input from system control IC
38, 39	GP13, GP14	O	Not used. (Open)
40	VDDI	I	Power supply pin (+1.9 V)
41	VSS	—	Ground pin
42	GP15	O	Not used. (Open)
43	CE0	O	SDRAM enable signal output
44	CS0	O	External memory chip select signal output for SDRAM IC
45	WE0	O	SDRAM write enable signal output for SDRAM IC
46	VDDE	I	Power supply pin (+3.3 V)
47	WMD1	I	Not used. (Fixed at H.)
48	VSS	—	Ground pin
49	WMD0	I	Not used. (Fixed at H.)
50	PAGE2	O	Not used. (Open)
51	VSS	—	Ground pin
52, 53	PAGE1, PAGE0	O	Not used. (Open)
54	BOOT	I	Not used. (Connect to ground.)
55	TST1	O	Not used. (Open)
56	BST	I	Boot stop signal input

Pin No.	Pin Name	I/O	Pin Description
57	MOD1	I	Operation mode signal input (L: 386fs, H: 256fs) (Fixed at H.)
58	MOD0	I	Operation mode signal input (L: single chip mode, H: use prohibited) (Fixed at L.)
59	EXLOCK	I	Error detection signal input from digital audio interface receiver IC
60	VDDI	I	Power supply pin (+1.9 V)
61	VSS	—	Ground pin
62, 63	A17, A16	O	Not used. (Open)
64 to 66	A15 to A13	O	External memory address signal output for SDRAM IC
67	GP10	O	Not used. (Open)
68	GP9	O	GP9 signal output for system control IC
69	GP8	I	Audio signal input from digital audio interface receiver IC
70	VDDI	I	Power supply pin (+1.9 V)
71	VSS	—	Ground pin
72 to 75	D15/GP7 to D12/GP4	I/O	External memory data input/output for SDRAM IC
76	VDDE	I	Power supply pin (+3.3 V)
77 to 80	D11/GP3 to D8/GP0	I/O	External memory data input/output for SDRAM IC
81	VSS	—	Ground pin
82	A9	O	External memory address signal output for SDRAM IC
83 to 85	A12 to A10	O	External memory address signal output for SDRAM IC
86	TDO	O	Not used. (Fixed at H.)
87	TMS	I	Not used. (Fixed at H.)
88	XTRST	I	Not used. (Fixed at H.)
89	TCK	I	Not used. (Fixed at H.)
90	TDI	I	Not used. (Fixed at H.)
91	VSS	—	Ground pin
92 to 97	A8 to A3	O	External memory address signal output for SDRAM IC
98, 99	D7, D6	I/O	External memory data input/output for SDRAM IC
100	VDDI	I	Power supply pin (+1.9 V)
101	VSS	—	Ground pin
102 to 105	D5 to D2	I/O	External memory data input/output for SDRAM IC
106	VDDE	I	Power supply pin (+3.3 V)
107, 108	D1, D0	I/O	External memory data input/output for SDRAM IC
109, 110	A2, A1	O	External memory address signal output for SDRAM IC
111	VSS	—	Ground pin
112	A0	O	External memory address signal output for SDRAM IC
113	PM	I	PLL initialization signal input from system control IC
114, 115	SDI3, SDI4	I	Not used. (Open)
116	SYNC	I	Sync/async select signal input (L: sync, H: async) (Fixed at H.)
117	TST2	I	Not used. (Connect to ground.)
118	GP11	I	Not used. (Connect to ground.)
119	TST3	I	Not used. (Connect to ground.)
120	VDDI	I	Power supply pin (+1.9 V)

IC1907 MB91353APMT-G-112E1 (SYSTEM CONTROL) (DIGITAL BOARD (2/3))

Pin No.	Pin Name	I/O	Pin Description
1	HDMI MUTE	I	HDMI mute signal input
2	HDMI RESET/HDMI PRE	O	HDMI reset signal output
3	XM RESET	O	XM reset signal output
4	XMDACMDI/ PCM1609 MDI	O	XM D/A converter MDI signal output
5	XMDACMC/ PCM1609 MC	O	XM D/A converter MC signal output
6	XMDACMS	O	XM D/A converter MS signal output
7	SUB T	O	Sub T signal output
8	HP DETECT	I	Headphone detect signal input
9	POWER RY	O	Power relay control signal output
10	VOL CL	O	Volume serial clock signal output
11	VOL DA	O	Volume serial latch signal output
12	PROTECTOR	I	Protect control signal input
13	BRIDGEABLE RY	O	Bridgeable relay control signal output
14	FUSE DETECT	I	Fuse detect signal input
15	VOL ENCODER(B) UP	I	Volume encoder signal input (up)
16	VOL ENCODER(A) DOWN	I	Volume encoder signal input (down)
17	FRONT B RY	O	Front B speakers relay control signal output
18	GND	—	Ground pin
19	VCC	—	Power supply pin (+3.3 V)
20	INPUT ENCODER A	I	Input select encoder signal input A
21	INPUT ENCODER B	I	Input select encoder signal input B
22	SW RY	O	Sub woofer relay control signal output
23	HP RY	O	Headphone relay control signal output
24	C/REAR/SB RY	O	Center/surround speaker relay control signal output
25	FRONT RY	O	Front speaker relay control signal output
26	TUN DO	I	Tuner serial data signal input
27	TUN LAT	O	Tuner serial latch signal output
28	V MUTE	O	Video mute control signal output
29	V COMP SW2	O	Video component select switch control signal output 2
30	V COMP SW1	O	Video component select switch control signal output 1
31	V SW4	O	Video input select switch control signal output 4
32	V SW3	O	Video input select switch control signal output 3
33	V SW2	O	Video input select switch control signal output 2
34	V SW1	O	Video input select switch control signal output 1
35	TUNING ENCODER A	I	Tuning encoder signal input A
36	TUNING ENCODER B	I	Tuning encoder signal input B
37	PCM1609 RESET	O	A/D and D/A converters reset signal output
38	DIR XMODE	O	Digital audio interface receiver reset signal output
39	DIR CLK SEL	O	Digital audio interface receiver serial clock select signal output
40	VSS	—	Ground pin
41	TC74HC153 A	O	Input select switch control signal output A
42	TC74HC153 B	O	Input select switch control signal output B
43	VSS	—	Ground pin
44	VCC	—	Power supply pin (+3.3 V)
45	DIR CLK	O	Digital audio interface receiver serial clock signal output
46	DIR CE(LAT)	O	Digital audio interface receiver serial latch signal output
47	DIR DI	O	Digital audio interface receiver serial data signal output
48	DIR DO	I	Digital audio interface receiver serial data signal input

Pin No.	Pin Name	I/O	Pin Description
49	DIR ERROR	I	Digital audio interface receiver error signal input
50	DIR XSTATE	I	Digital audio interface receiver state signal input
51	NMI	I	Non Maskable interrupt input
52	MD2	I	Operation mode setting pin 2
53	MD1	I	Operation mode setting pin 1 (Connect to GND.)
54	MD0	I	Operation mode setting pin 0 (Connect to GND.)
55	INIT	I	External reset signal input
56	VCC	I	Power supply pin (+3.3 V)
57	X1	O	High speed clock output (12.5 MHz) (Main clock)
58	X0	I	High speed clock input (12.5 MHz) (Main clock)
59	VSS	—	Ground pin
60	X0A	I	Low speed clock input (Sub clock) Not used in this set. (Connect to GND.)
61	X1A	O	Low speed clock output (Sub clock) Not used in this set. (Open)
62	RST TRG	I	Reset trigger signal input
63	DIR DATA0	I	Digital audio interface receiver serial data signal input
64	BST SEL	O	Burst select signal output
65	GP9	I	GP9 address strobe signal input
66	BST	O	Burst signal output
67	HCS	O	HCS signal output
68	HACN	I	HACN signal output
69	DSP RESET	O	Digital signal processor reset signal output
70	FL CLK	O	Fluorescent display serial clock signal output
71	FL DATA	O	Fluorescent display serial data signal output
72	PCM1609 ML	O	ML signal output
73	PM	O	PM signal output
74	GP12	O	GP12 address strobe signal output
75	PCM1609 MDO	I	MD signal input
76	VSS	—	Ground pin
77	VCC	I	Power supply pin (+3.3 V)
78	FL LAT	O	Fluorescent display serial latch signal output
79	TUNER CLK	O	Tuner serial clock signal output
80	TUNER DATA	O	Tuner serial data signal output
81	STOP	I	Stop signal input
82	SIRCS IN	I	Remote control signal input
83	ERROR SEL	I	Error select signal input
84	RDS CLK/XMDBPOWER	I/O	XMDB power control signal output
85	POWER KEY	I	Power key signal input
86	RDS DATA/XM COM	I	XM command signal input
87	DCAC DSP IN	I	DCAC display in signal input
88	HDMI CEC IN/HDMI OED	I	HDMI OED signal input
89	HDMI UART IN/HDMI S1	I	HDMI select signal input
90	HDMI UART OUT/HDMI S2	O	HDMI select signal output
91	HDMI CEC OUT	O	HDMI CEC signal output
92	XM MIXMO	I	XM MIXMO signal input
93	XM MOXMI	O	XM MOXMI signal output
94	HDMI REG CTRL	O	HDMI REG control signal output
95	VCC	I	Power supply pin (+3.3 V)
96	VSS	—	Ground pin
97	EEPROM DATA	I/O	EEPROM serial data signal input/output
98	EEPROM CLK	O	EEPROM serial clock signal output
99	HD OUT	I	HD signal input from digital signal processor

Pin No.	Pin Name	I/O	Pin Description
100	HD IN	O	HD signal output from digital signal processor
101	HD CLK	O	HD serial clock signal output from digital signal processor
102	FLASH2/C LINK UART RX(MICLO)	I	Flash signal input
103	FLASH1/C LINK UART TX(MOCLI)	O	Flash signal output
104	C LINK DET	I	DMPORT link detect signal input
105	DA1	I	Not used in this set. (Open)
106	DA0	I	Not used in this set. (Open)
107	DAVS	—	Ground pin
108	DAVC	I	Power supply pin (+3.3 V) for D/A converter
109	AVCC	I	Analog power supply pin (+3.3 V) for A/D converter
110	AVRH	I	Standard power supply pin (+3.3 V) for A/D converter
111	AVSS/AVRL	—	Analog ground pin for A/D converter
112	VSS	—	Ground pin
113	DCAC IN	I	DCAC IN signal input
114	AD KEY1	I	AD key signal input 1
115	AD KEY2	I	AD key signal input 2
116	VERSION	I	Not used in this set. (Connect to GND.)
117	TUNER SD	I	Tuner SD signal input
118	MODEL	I	Model select signal input (Connect to GND in this set.)
119	VACS CTRL	I	VACS control signal input
120	NO USE	I	Not used.

IC3511 SII9011CLU (HDMI RX) (HDMI RE BOARD (1/2))

Pin No.	Pin Name	I/O	Pin Description
1	VSYNC	O	Vertical synchronize signal output for HDMI TX.
2 to 5	QO23 to QO20	—	Not used. (Open)
6	IOGND	—	Ground pin
7	IOVCC	—	Power supply pin (+3.3 V)
8 to 11	QO19 to QO16	—	Not used. (Open)
12	CVCC18	—	Power supply pin (+1.8 V)
13	CGND	—	Ground pin
14 to 17	QO15 to QO12	—	Not used. (Open)
18	IOGND	—	Ground pin
19	IOVCC	—	Power supply pin (+3.3 V)
20 to 23	QO11 to QO8	—	Not used. (Open)
24	CVCC18	—	Power supply pin (+1.8 V)
25	CGND	—	Ground pin
26 to 29	QO7 to QO4	—	Not used. (Open)
30	IOGND	—	Ground pin
31	IOVCC	—	Power supply pin (+3.3 V)
32 to 35	QO3 to QO0	—	Not used. (Open)
36	CVCC18	—	Power supply pin (+1.8 V)
37	CGND	—	Ground pin
38	CI2CA	—	Not used. (Fixed at L.)
39	CSDA	I/O	I2C two-way data bus with HDMI section.
40	CSCL	I	I2C clock signal input from HDMI controller.
41	DSSDA	I/O	I2C two-way data bus with HDMI input select.
42	DSDL	I	I2C clock signal input from HDMI input select.
43	NC	—	Not used. (Open)
44	PWR5V	I	HDMI DVD IN, VIDEO 2/BD IN, OUT connector detect signal input
45	CVCC18	—	Power supply pin (+1.8 V)
46	PGND	—	Ground pin
47	PVCC	—	Power supply pin (+3.3 V)
48	RSVD	—	Not used. (Open)
49	AVCC	—	Power supply pin (+3.3 V)
50	RXC-	I	TMDS clock signal input from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
51	RXC+	I	TMDS clock signal input from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
52	AGND	—	Ground pin
53	AVCC	—	Power supply pin (+3.3 V)
54	RX0-	I	TMDS data input 0 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
55	RX0+	I	TMDS data input 0 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
56	AGND	—	Ground pin
57	AVCC	—	Power supply pin (+3.3 V)
58	RX1-	I	TMDS data input 1 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
59	RX1+	I	TMDS data input 1 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
60	AGND	—	Ground pin
61	AVCC	—	Power supply pin (+3.3 V)
62	RX2-	I	TMDS data input 2 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
63	RX2+	I	TMDS data input 2 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
64	AGND	—	Ground pin
65	DGND	—	Ground pin
66	DVCC18	—	Power supply pin (+1.8 V)
67	MUTE	O	Audio muting signal output
68	IOVCC	—	Power supply pin (+3.3 V)
69	IOGND	—	Ground pin
70	SPDIF	O	SPDIF signal output for digital audio interface and HDMI TX.

Pin No.	Pin Name	I/O	Pin Description
71 to 74	SD3 to SD0	O	Serial data output for DSP and HDMI TX.
75	WS	O	Word select signal output for DSP and HDMI TX.
76	SCK	O	Serial clock signal output for DSP and HDMI TX.
77	IOVCC	—	Power supply pin (+3.3 V)
78	IOGND	—	Ground pin
79	MCLK	O	Audio master clock signal output for DSP and HDMI TX.
80	CGND	—	Ground pin
81	CVCC18	—	Power supply pin (+1.8 V)
82	AUDPVCC18	—	Power supply pin (+1.8 V)
83	AUDPGND	—	Ground pin
84	XTALOUT	O	System clock output (28.322 MHz)
85	XTALIN	I	System clock input (28.322 MHz)
86	XTALVCC	—	Power supply pin (+3.3 V)
87	REGVCC	—	Power supply pin (+3.3 V)
88	RSVDL	—	Not used. (Fixed at L.)
89	RESET	I	Reset signal input from HDMI controller. (L: Reset)
90	SCDT	—	Not used. (Open)
91	INT	O	Interrupt signal output for HDMI controller.
92 to 96	QE23 to QE19	O	Serial data output 23 to 19 for HDMI TX, video processor and D/A converter.
97	IOGND	—	Ground pin
98	IOVCC	—	Power supply pin (+3.3 V)
99 to 105	QE18 to QE12	O	Serial data output 18 to 12 for HDMI TX, video processor and D/A converter.
106	IOGND	—	Ground pin
107	IOVCC	—	Power supply pin (+3.3 V)
108 to 111	QE11 to QE8	O	Serial data output 11 to 8 for HDMI TX, video processor and D/A converter.
112	CVCC18	—	Power supply pin (+1.8 V)
113	CGND	—	Ground pin
114 to 117	QE7 to QE4	O	Serial data output 7 to 4 for HDMI TX, video processor and D/A converter.
118	IOGND	—	Ground pin
119	ODCK	O	Output data clock signal output for HDMI TX.
120	IOVCC	—	Power supply pin (+3.3 V)
121 to 124	QE3 to QE0	O	Serial data output 3 to 0 for HDMI TX, video processor and D/A converter.
125	CVCC18	—	Power supply pin (+1.8 V)
126	CGND	—	Ground pin
127	DE	O	Data enable signal output for HDMI TX.
128	H SYNC	O	Horizontal synchronize signal output for HDMI TX.

IC3513 SII9030CTU-7 (HDMI TX) (HDMI RE BOARD (2/2))

Pin No.	Pin Name	I/O	Pin Description
1	H SYNC	I	Horizontal synchronize signal input from HDMI RX.
2	V SYNC	I	Vertical synchronize signal input from HDMI RX.
3	CGND	—	Ground pin
4	CVCC18	—	Power supply pin (+1.8 V)
5	SPDIF	I	SPDIF signal input from HDMI RX.
6	MCLK	I	Audio master clock signal input from HDMI RX.
7 to 10	SD3 to SD0	I	Serial data input from HDMI RX.
11	WS	I	Word select signal input from HDMI RX.
12	SCK	I	Serial clock signal input from HDMI RX.
13	IOVCC	—	Power supply pin (+3.3 V)
14	IOGND	—	Ground pin
15	CGND	—	Ground pin
16	CVCC18	—	Power supply pin (+1.8 V)
17	INT	O	Interrupt signal output for HDMI controller.
18	HPD	I	Hot plug detect signal input from HDMI OUT connector.
19	DSSDA	I/O	I2C two-way data bus with HDMI OUT connector.
20	DSCL	O	I2C clock signal output for HDMI OUT connector.
21	RSVDSL	—	Not used. (Fixed at L.)
22	PGND1	—	Ground pin
23	PVCC1	—	Power supply pin (+3.3 V)
24	EXT_SWING	—	Not used. (Fixed at H.)
25	AGND	—	Ground pin
26	TXC-	O	TMDS clock signal output for HDMI OUT connector.
27	TXC+	O	TMDS clock signal output for HDMI OUT connector.
28	AVCC	—	Power supply pin (+3.3 V)
29	TX0-	O	TMDS data output 0 for HDMI OUT connector.
30	TX0+	O	TMDS data output 0 for HDMI OUT connector.
31	AGND	—	Ground pin
32	TX1-	O	TMDS data output 1 for HDMI OUT connector.
33	TX1+	O	TMDS data output 1 for HDMI OUT connector.
34	AVCC	—	Power supply pin (+3.3 V)
35	TX1-	O	TMDS data output 2 for HDMI OUT connector.
36	TX1+	O	TMDS data output 2 for HDMI OUT connector.
37	AGND	—	Ground pin
38	PVCC2	—	Power supply pin (+3.3 V)
39	PGND2	—	Ground pin
40	NC	—	Not used. (Open)
41	CI2CA	—	Not used. (Fixed at L.)
42	RESET	I	Reset signal input from HDMI controller. (L: Reset)
43	CSCL	I	I2C clock signal input from HDMI controller.
44	CSDA	I/O	I2C two-way data bus with HDMI section.
45	CVCC18	—	Power supply pin (+1.8 V)
46	CGND	—	Ground pin
47	IOGND	—	Ground pin
48	IOVCC	—	Power supply pin (+3.3 V)
49 to 58	D23 to D14	I	Serial data input 23 to 14 from HDMI RX and video processor.
59	CVCC18	—	Power supply pin (+1.8 V)
60	CGND	—	Ground pin

Pin No.	Pin Name	I/O	Pin Description
61 to 65	D13 to D9	I	Serial data input 13 to 9 from HDMI RX and video processor.
66	IDCK	I	Output data clock signal input from HDMI RX.
67 to 70	D8 to D5	I	Serial data input 8 to 5 from HDMI RX and video processor.
71	IOVCC	—	Power supply pin (+3.3 V)
72	IOGND	—	Ground pin
73	CGND	—	Ground pin
74	CVCC18	—	Power supply pin (+1.8 V)
75 to 79	D4 to D0	I	Serial data input 4 to 0 from HDMI RX and video processor.
80	DE	I	Data enable signal input from HDMI RX.

SECTION 6

EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- XX and -X mean standardized parts, so they may have some difference from the original one.

- Color Indication of Appearance Parts
Example :
KNOB, BALANCE (WHITE) ... (RED)
Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.
- Abbreviation

AUS	: Australian model
CND	: Canadian model
MY	: Malaysia model
SP	: Singapore model
TH	: Thai model

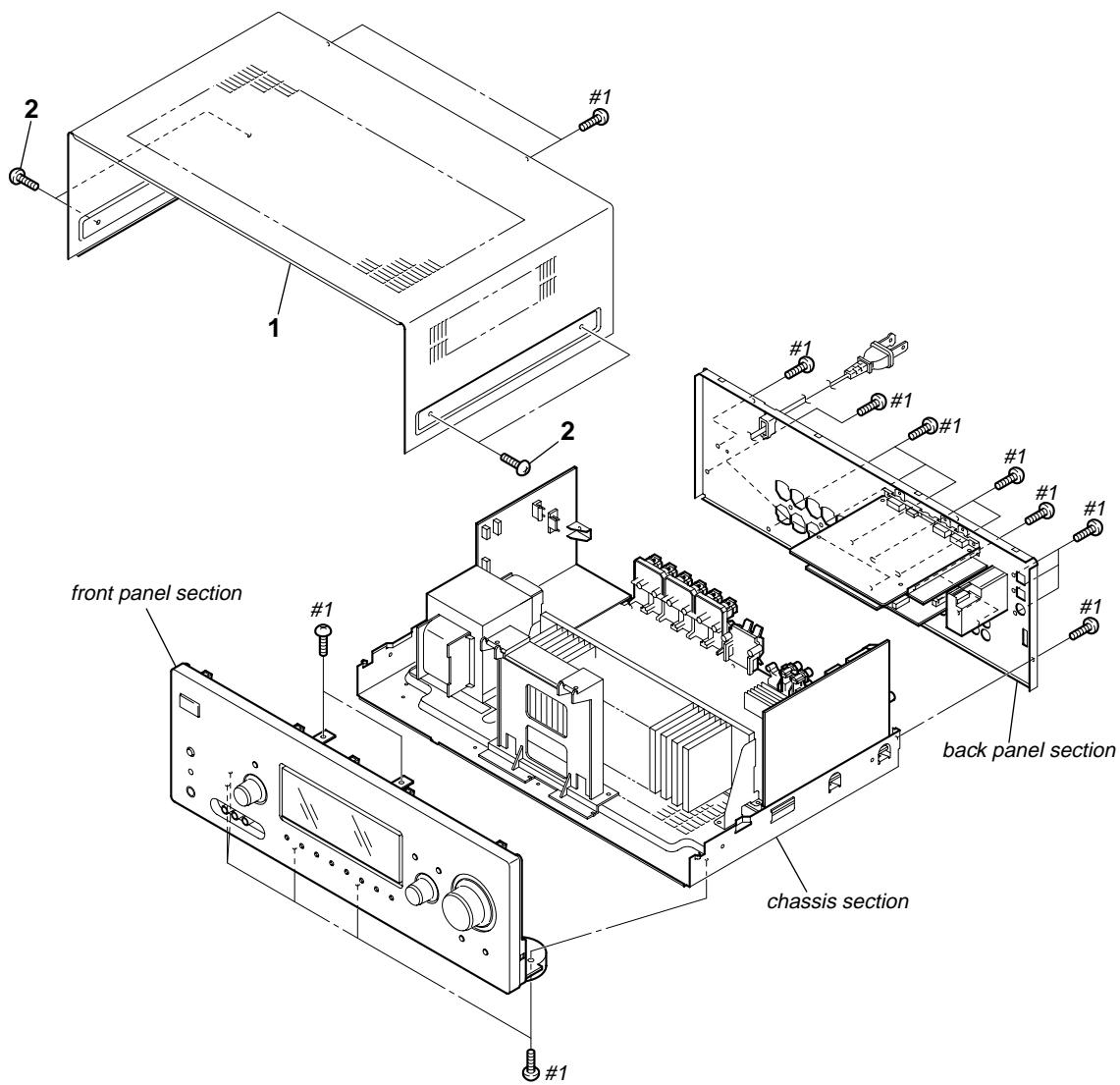
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark \square contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

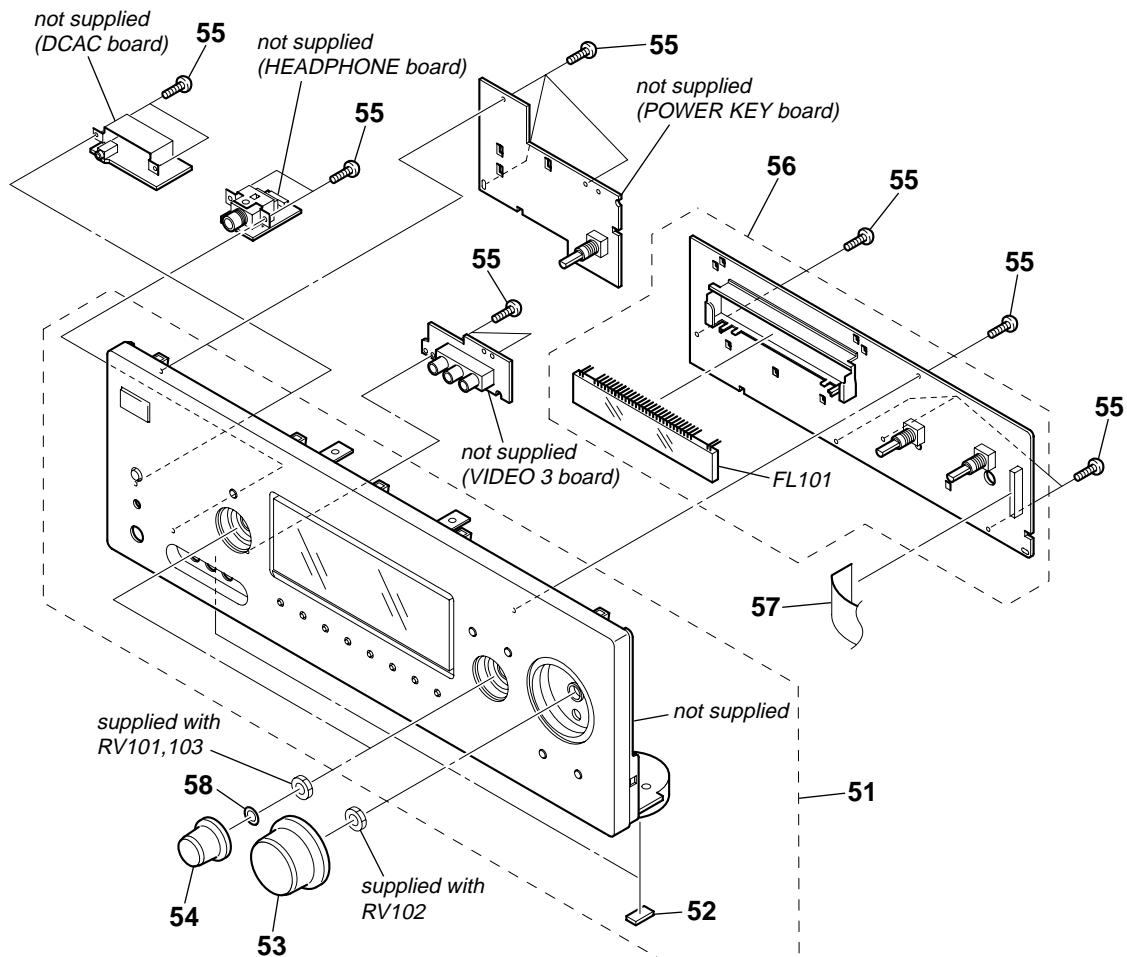
Les composants identifiés par la marque \square contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

6-1. CASE SECTION



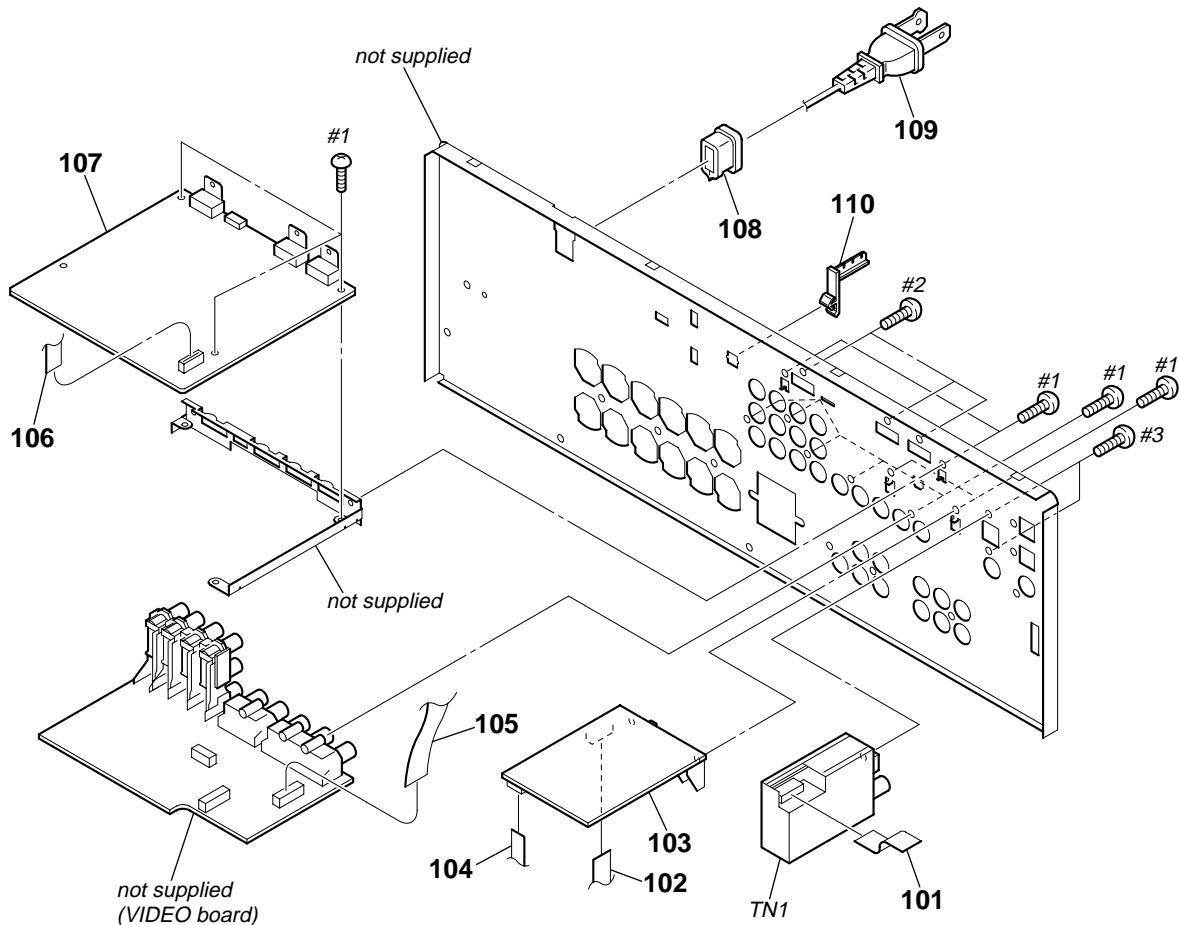
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	2-661-145-11	CASE (BLACK)...(BLACK)		2	3-363-099-11	SCREW (CASE 3 TP2) (SILVER)...(SILVER)	
1	2-661-145-31	CASE (SILVER)...(SILVER)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
2	3-363-099-02	SCREW (CASE 3 TP2) (BLACK)...(BLACK)					

6-2. FRONT PANEL SECTION



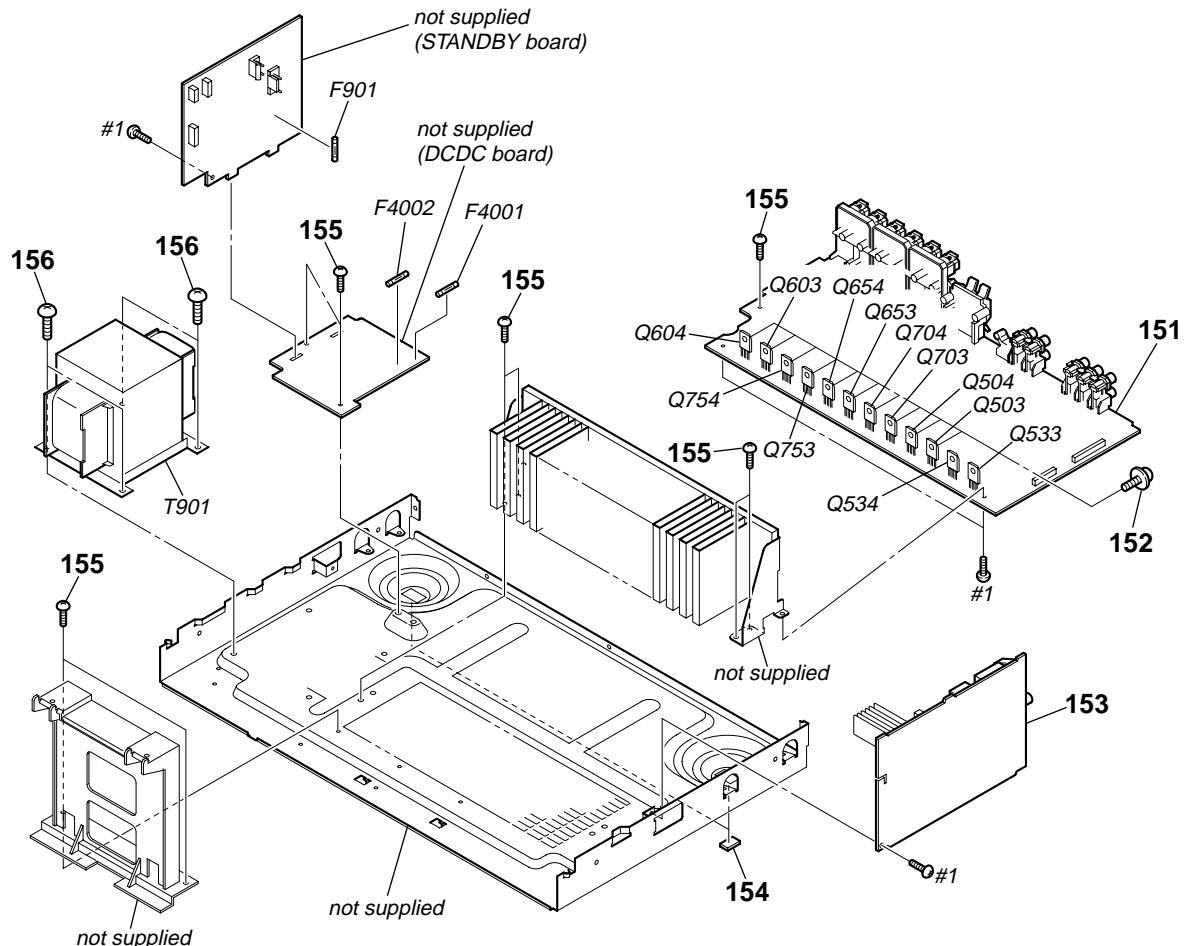
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2176-234-1	FRONT PANEL ASSY (BLACK)...(BLACK) (US)		54	2-661-141-01	KNOB (MENU) (BLACK)...(BLACK)	
51	X-2176-235-1	FRONT PANEL ASSY (BLACK)...(BLACK)	(AEP,UK)	54	2-661-141-11	KNOB (MENU) (SILVER)...(SILVER)	
51	X-2176-236-1	FRONT PANEL ASSY (SILVER)...(SILVER)	(AUS,MY,SP,TH)	55	3-087-053-01	+BVTP 2.6 (3CR)	
51	X-2176-511-1	FRONT PANEL ASSY (BLACK)...(BLACK) (CND)		56	A-1225-205-A	DISPLAY BOARD, COMPLETE (US,CND)	
51	X-2176-520-1	FRONT PANEL ASSY (SILVER)...(SILVER)	(AEP,UK)	56	A-1225-206-A	DISPLAY BOARD, COMPLETE (AEP,UK)	
52	4-977-358-01	CUSHION		56	A-1225-207-A	DISPLAY BOARD, COMPLETE (MY,SP,TH)	
53	2-661-142-01	KNOB (VOLUME) (BLACK)...(BLACK)		56	A-1225-208-A	DISPLAY BOARD, COMPLETE (AUS)	
53	2-661-142-11	KNOB (VOLUME) (SILVER)...(SILVER)		57	1-829-004-11	WIRE (FLAT TYPE) (19 CORE)	
				58	3-354-981-11	SPRING (SUS), RING	
				FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY	

6-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-828-953-11	WIRE (FLAT TYPE) (9 CORE) (EXCEPT AEP,UK)		△109	1-783-820-11	CORD, POWER (US,CND)	
101	1-828-963-11	WIRE (FLAT TYPE) (11 CORE) (AEP,UK)		△109	1-833-566-21	CORD, POWER (AUS)	
102	1-828-957-11	WIRE (FLAT TYPE) (9 CORE)		△109	1-834-288-11	CORD, POWER (TH)	
103	A-1267-502-A	XM BOARD, COMPLETE (US,CND)		110	4-956-370-12	BAND, PLUG FIXED (UK)	
104	1-828-935-11	WIRE (FLAT TYPE) (5 CORE) (US,CND)		TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA) (US)	
105	1-828-946-11	WIRE (FLAT TYPE) (7 CORE)		TN1	1-693-733-11	TUNER (FM/AM) (ANTENNA) (CND)	
106	1-828-560-11	WIRE (FLAT TYPE) (7 CORE)		TN1	1-693-735-11	TUNER (FM/AM) (ANTENNA) (AUS,MY,SP,TH)	
△ 107	A-1253-209-A	HDMI RE BOARD, COMPLETE (for SERVICE)		TN1	1-693-737-11	TUNER (FM/AM) (ANTENNA) (AEP,UK)	
* 108	3-703-244-00	BUSHING (2104), CORD (EXCEPT TH)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
108	4-916-783-01	BUSHING, CORD (TH)		#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
△109	1-777-071-83	CORD, POWER (AEP,UK,MY,SP)		#3	7-685-862-09	SCREW +BVTT 2.6X6 (S)	

6-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1224-702-A	MAIN BOARD, COMPLETE (US,CND)		Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
151	A-1224-704-A	MAIN BOARD, COMPLETE (AEP,UK,AUS)		Q533	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
151	A-1224-705-A	MAIN BOARD, COMPLETE (MY,SP,TH)		Q534	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
152	3-905-609-01	SCREW (TRANSISTOR)		Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
153	A-1225-226-A	DIGITAL BOARD, COMPLETE (US,CND)		Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	A-1225-227-A	DIGITAL BOARD, COMPLETE (AEP,UK)		Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
153	A-1225-228-A	DIGITAL BOARD, COMPLETE (MY,SP,TH)		Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	A-1225-229-A	DIGITAL BOARD, COMPLETE (AUS)		Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
154	4-977-358-01	CUSHION		Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
155	3-077-331-21	+BV 3 (3-CR)		Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
156	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
▲F901	1-532-464-33	FUSE (2.5A/250V) (EXCEPT US,CND)		▲T901	1-439-550-21	TRANSFORMER, POWER (MAIN) (AEP,UK,AUS)	
▲F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V) (US,CND)		▲T901	1-439-583-11	TRANSFORMER, POWER (MAIN) (US,CND)	
▲F4001	1-532-465-33	FUSE (3.15A/250V)		▲T901	1-445-019-11	TRANSFORMER, POWER (MAIN) (MY,SP,TH)	
▲F4002	1-532-465-33	FUSE (3.15A/250V)		#1	7-685-646-79	SCREW +BVT P 3X8 TYPE2 IT-3	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK					

SECTION 7

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.

• RESISTORS

All resistors are in ohms.

METAL: Metal-film resistor.

METAL OXIDE: Metal oxide-film resistor.

F: nonflammable

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• SEMICONDUCTORS

In each case, u : μ , for example:

uA.. : μ A.. uPA.. : μ PA..

uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..

• CAPACITORS

uF : μ F

• COILS

uH : μ H

• Abbreviation

AUS : Australian model

CND : Canadian model

MY : Malaysia model

SP : Singapore model

TH : Thai model

When indicating parts by reference number, please include the board.

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark \square contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque \square contiennent des informations confidentielles. Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
		DCAC BOARD						< LEAD WIRE >			
		*****						* TP2000 1-690-880-31 LEAD (WITH CONNECTOR) (AEP,UK,AUS)			

			< CAPACITOR >								
C2001	1-162-927-11	CERAMIC CHIP	100PF	5%	50V			DCDC BOARD			
C2002	1-126-160-11	ELECT	1uF	20%	50V			*****			
C2003	1-164-373-11	CERAMIC CHIP	0.033uF		25V						
C2005	1-162-921-11	CERAMIC CHIP	33PF	5%	50V			1-533-313-11 HOLDER, FUSE			
C2006	1-126-160-11	ELECT	1uF	20%	50V			7-685-646-79 SCREW +BVTP 3X8 TYPE2 IT-3			
C2008	1-162-924-11	CERAMIC CHIP	56PF	5%	50V				< CAPACITOR >		
C2010	1-164-373-11	CERAMIC CHIP	0.033uF		25V						
C2011	1-162-995-11	CERAMIC CHIP	0.022uF		50V			C4002 1-128-549-11 ELECT	3300uF	20%	35V
C2012	1-162-995-11	CERAMIC CHIP	0.022uF		50V			C4003 1-115-814-11 ELECT	0.001F	20%	35V
C2013	1-126-160-11	ELECT	1uF	20%	50V			C4004 1-100-566-11 CERAMIC CHIP	0.1uF	10%	25V
C2014	1-124-465-00	ELECT	0.47uF	20%	50V			C4005 1-128-950-21 ELECT	1000uF	20%	16V
C2018	1-164-156-11	CERAMIC CHIP	0.1uF		25V			C4006 1-125-891-11 CERAMIC CHIP	0.47uF	10%	10V
C2205	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	(AEP,UK,AUS)		C4007 1-125-891-11 CERAMIC CHIP	0.47uF	10%	10V
								C4009 1-125-891-11 CERAMIC CHIP	0.47uF	10%	10V
			< DIODE >						(US,CND)		
D2013	8-719-988-61	DIODE	1SS355TE-17					C4010 1-125-891-11 CERAMIC CHIP	0.47uF	10%	10V
D2014	8-719-988-61	DIODE	1SS355TE-17					C4100 1-115-814-11 ELECT	0.001F	20%	35V
			< IC >					C4102 1-100-566-11 CERAMIC CHIP	0.1uF	10%	25V
IC2000	8-759-710-97	IC	NJM4565M-D					C4103 1-128-950-21 ELECT	1000uF	20%	16V
			< JACK >						< CONNECTOR >		
J2000	1-820-056-11	JACK (SMALL TYPE) (AUTO CAL MIC)					CN4101	1-779-977-11 PIN, CONNECTOR 6P			
			< RESISTOR >						< DIODE >		
R2000	1-216-821-11	METAL CHIP	1K	5%	1/10W			D4001 8-719-081-52 DIODE	D5SBA20-4003		
R2001	1-216-833-11	METAL CHIP	10K	5%	1/10W			D4803 8-719-080-53 DIODE	RK36LF-B3		
R2003	1-216-833-11	METAL CHIP	10K	5%	1/10W			D4804 8-719-080-53 DIODE	RK36LF-B3		
R2005	1-216-857-11	METAL CHIP	1M	5%	1/10W				< IC >		
R2006	1-216-821-11	METAL CHIP	1K	5%	1/10W			IC4001 8-759-474-09 IC	SI-8050S-LF1101		
R2007	1-216-833-11	METAL CHIP	10K	5%	1/10W			IC4100 8-759-659-28 IC	SI-8033S		
R2008	1-216-854-11	METAL CHIP	560K	5%	1/10W				< COIL >		
R2010	1-216-833-11	METAL CHIP	10K	5%	1/10W			L4000 1-456-545-11 INDUCTOR		100uH	
R2015	1-216-839-11	METAL CHIP	33K	5%	1/10W			L4001 1-456-545-11 INDUCTOR		100uH	
R2016	1-216-835-11	METAL CHIP	15K	5%	1/10W			L4100 1-456-545-11 INDUCTOR		100uH	
R2017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W			L4101 1-456-545-11 INDUCTOR		100uH	
R2018	1-216-822-11	METAL CHIP	1.2K	5%	1/10W				< RESISTOR >		
R2019	1-216-825-11	METAL CHIP	2.2K	5%	1/10W			R4000 1-216-823-11 METAL CHIP		1.5K	5%
											1/10W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R4001	1-216-817-11	METAL CHIP	470	5%	1/10W	C1304	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
R4002	1-216-819-11	METAL CHIP	680	5%	1/10W	C1305	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R4100	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	C1306	1-126-947-11	ELECT	47uF	20%	35V
R4101	1-216-817-11	METAL CHIP	470	5%	1/10W	C1308	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R4102	1-216-819-11	METAL CHIP	680	5%	1/10W	C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V

A-1225-226-A	DIGITAL BOARD, COMPLETE (US,CND)					C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
A-1225-227-A	DIGITAL BOARD, COMPLETE (AEP,UK)					C1312	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
A-1225-228-A	DIGITAL BOARD, COMPLETE (MY,SP,TH)					C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
A-1225-229-A	DIGITAL BOARD, COMPLETE (AUS)					C1314	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V

7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3					C1315	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
< CAPACITOR >											
C1001	1-126-925-11	ELECT	470uF	20%	10V	C1316	1-164-156-11	CERAMIC CHIP	0.1uF	25V	
C1002	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C1331	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1351	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1005	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1354	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1019	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1355	1-104-662-11	ELECT	22uF	20%	25V
C1021	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	C1358	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1022	1-135-372-31	ELECT	470uF	20%	10V	C1359	1-126-916-11	ELECT	1000uF	20%	6.3V
C1031	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	C1361	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1032	1-135-372-31	ELECT	470uF	20%	10V	C1362	1-162-974-11	CERAMIC CHIP	0.01uF	50V	
C1066	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C1401	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
(EXCEPT MY,SP,TH)						C1402	1-126-947-11	ELECT	47uF	20%	35V
C1067	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C1403	1-126-964-11	ELECT	10uF	20%	50V
(EXCEPT MY,SP,TH)						C1404	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1068	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C1405	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
(EXCEPT MY,SP,TH)						C1406	1-126-964-11	ELECT	10uF	20%	50V
C1071	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1407	1-126-964-11	ELECT	10uF	20%	50V
C1079	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1408	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1100	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1409	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1414	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1103	1-126-947-11	ELECT	47uF	20%	35V	C1415	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1118	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1418	1-126-964-11	ELECT	10uF	20%	50V
C1119	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1422	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1121	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1423	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1122	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1428	1-126-964-11	ELECT	10uF	20%	50V
C1123	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1432	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1124	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1433	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1438	1-126-964-11	ELECT	10uF	20%	50V	
C1131	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1441	1-162-963-11	CERAMIC CHIP	680PF	10%	50V	
C1132	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1442	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	
C1139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1448	1-126-964-11	ELECT	10uF	20%	50V
C1140	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1450	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1141	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1451	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1142	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1453	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1144	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1454	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	
C1145	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1455	1-126-964-11	ELECT	10uF	20%	50V	
C1146	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1457	1-126-964-11	ELECT	10uF	20%	50V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1458	1-126-964-11	ELECT	10uF	20%	50V
C1171	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1462	1-162-963-11	CERAMIC CHIP	680PF	10%	50V	
C1172	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1463	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1468	1-126-964-11	ELECT	10uF	20%	50V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1473	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1301	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1474	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1478	1-126-964-11	ELECT	10uF	20%	50V	
C1303	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1481	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
						C1483	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
						C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
						C1491	1-126-964-11	ELECT	10uF	20%	50V
						C1494	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V

DIGITAL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	
C1495	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C1970	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	
C1501	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	C1971	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	
C1502	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	C2281	1-126-925-11	ELECT	470uF 20% 10V	
C1503	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	< CONNECTOR >				
C1504	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	* CNP505	1-564-510-11	PLUG, CONNECTOR 7P		
C1505	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	CNP506	1-691-771-11	PLUG (MICRO CONNECTOR) 9P		
C1506	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	* CNP512	1-564-506-11	PLUG, CONNECTOR 3P		
C1507	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P		
C1508	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	CNS502	1-573-825-11	CONNECTOR, BOARD TO BOARD 11P		
C1509	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	CNS503	1-568-828-11	CONNECTOR, FFC 9P (US,CND)		
C1510	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	CNS504	1-784-731-11	CONNECTOR, FFC 9P		
C1511	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	CNS506	1-784-366-51	CONNECTOR, FFC/FPC 7P		
C1513	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	CNS507	1-568-828-11	CONNECTOR, FFC 9P (EXCEPT AEP,UK)		
C1514	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	CNS508	1-568-830-11	CONNECTOR, FFC 11P (AEP,UK)		
C1515	1-126-925-11	ELECT	470uF 20% 10V	CNS509	1-568-826-11	CONNECTOR, FFC 7P		
C1516	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	CNS514	1-784-780-11	CONNECTOR, FFC 19P		
C1517	1-126-925-11	ELECT	470uF 20% 10V	< DIODE >				
C1518	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	D1001	8-719-053-18	DIODE 1SR154-400TE-25		
C1519	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	D1003	8-719-049-09	DIODE 1SS367-T3SONY		
C1520	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	D1004	8-719-049-09	DIODE 1SS367-T3SONY		
C1521	1-162-920-11	CERAMIC CHIP	27PF 5% 50V	D1107	8-719-404-50	DIODE MA111-TX		
C1522	1-162-920-11	CERAMIC CHIP	27PF 5% 50V	D1108	8-719-404-50	DIODE MA111-TX		
C1525	1-126-925-11	ELECT	470uF 20% 10V	D1109	8-719-404-50	DIODE MA111-TX		
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	D1110	8-719-404-50	DIODE MA111-TX		
C1557	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	D1111	8-719-404-50	DIODE MA111-TX		
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	D1301	8-719-404-50	DIODE MA111-TX		
C1567	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	D1302	8-719-404-50	DIODE MA111-TX		
C1568	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	D1501	8-719-049-09	DIODE 1SS367-T3SONY		
C1569	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	D1502	8-719-049-09	DIODE 1SS367-T3SONY		
C1604	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	D1503	8-719-049-09	DIODE 1SS367-T3SONY		
C1605	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	D1504	8-719-049-09	DIODE 1SS367-T3SONY		
C1620	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	D1701	8-719-060-48	DIODE RB751V-40TE-17		
C1661	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	< FERRITE BEAD >				
C1667	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	FB1101	1-400-862-11	BEAD, FERRITE		
C1701	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB1302	1-400-862-11	BEAD, FERRITE		
C1702	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	FB1305	1-400-862-11	BEAD, FERRITE		
C1703	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	FB1308	1-400-862-11	BEAD, FERRITE		
C1704	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	FB1309	1-400-862-11	BEAD, FERRITE		
C1705	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	< IC >				
C1706	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB1310	1-400-862-11	BEAD, FERRITE		
C1707	1-126-960-11	ELECT	1uF 20% 50V	FB1350	1-400-862-11	BEAD, FERRITE		
C1905	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	FB1405	1-400-862-11	BEAD, FERRITE		
C1906	1-126-925-11	ELECT	470uF 20% 10V	FB1452	1-400-862-11	BEAD, FERRITE		
C1908	1-126-925-11	ELECT	470uF 20% 10V	FB1453	1-400-862-11	BEAD, FERRITE		
C1910	1-165-722-11	ELECT	100uF 20% 10V	< FERRITE BEAD >				
C1911	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	FB1501	1-400-862-11	BEAD, FERRITE		
C1913	1-137-980-11	CERAMIC CHIP	0.47uF 10% 50V	FB1502	1-400-862-11	BEAD, FERRITE		
C1914	1-126-947-11	ELECT	47uF 20% 35V	FB1503	1-400-862-11	BEAD, FERRITE		
C1919	1-126-965-11	ELECT	22uF 20% 50V	FB1504	1-469-670-21	FERRITE, EMI (SMD) (2012)		
C1920	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	FB1505	1-400-862-11	BEAD, FERRITE		
C1921	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	< IC >				
C1949	1-100-566-11	CERAMIC CHIP	0.1uF 10% 25V	IC1001	8-759-231-53	IC TA7805S		
C1950	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	IC1017	8-759-680-48	IC TC7WH157FK(TE85R)		
C1951	1-107-726-11	CERAMIC CHIP	0.01uF 10% 16V	IC1031	6-705-469-01	IC BA50BC0FP-E2		
C1952	1-107-726-11	CERAMIC CHIP	0.01uF 10% 16V	IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G		
C1953	1-107-726-11	CERAMIC CHIP	0.01uF 10% 16V	IC1131	6-705-866-01	IC BR24L16FJ-WE2		
C1960	1-162-960-11	CERAMIC CHIP	220PF 10% 50V					
C1961	1-162-960-11	CERAMIC CHIP	220PF 10% 50V					

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
IC1301	8-759-825-15	IC	LC89056W-E			R1013	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1302	8-759-595-15	IC	TC74ACT153F(EL)			R1014	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1303	8-759-096-87	IC	TC7WU04FU(TE12R)			R1015	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1351	6-600-466-01	IC	TORX147L(SONY) (DIGITAL VIDEO 1 IN (OPTICAL))			R1035	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
IC1354	6-600-466-01	IC	TORX147L(SONY) (DIGITAL SAT IN (OPTICAL))			R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W
IC1401	6-707-608-01	IC	PCM1803DBR			R1041	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1403	8-759-710-97	IC	NJM4565M-D			R1042	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1404	8-759-710-97	IC	NJM4565M-D			R1044	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1405	8-759-710-97	IC	NJM4565M-D			R1050	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1406	8-759-710-97	IC	NJM4565M-D			R1058	1-216-813-11	METAL CHIP	220	5%	(AEP,UK)
IC1452	6-708-785-01	IC	PCM1609APT			R1059	1-216-813-11	METAL CHIP	220	5%	1/10W
IC1501	6-705-900-01	IC	CXD9718BQ			R1061	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1502	6-709-278-01	IC	IS61WV6416BLL-12TLI			R1062	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1503	8-759-546-74	IC	TC7WH157FU(TE12R)			R1065	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1700	8-759-058-62	IC	TC7S08FU(TE85R)			R1066	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1710	8-759-277-63	IC	TC7W14FU(TE12R)			R1067	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1901	6-701-887-02	IC	SI-3004KWF			R1068	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1902	8-759-231-56	IC	TA7809S			R1072	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
IC1904	6-705-468-01	IC	BA33BC0FP-E2			R1073	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
IC1906	6-707-745-10	IC	SI-3050KM-TL			R1076	1-216-809-11	METAL CHIP	100	5%	1/10W
IC1907	6-807-248-01	IC	MB91353APMT-G-112E1			R1077	1-216-809-11	METAL CHIP	100	5%	1/10W
		< JACK >				R1078	1-216-809-11	METAL CHIP	100	5%	1/10W
J1301	1-793-446-21	JACK, PIN 1P (DIGITAL DVD IN (COAXIAL))				R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< CONNECTOR >				R1085	1-216-809-11	METAL CHIP	100	5%	1/10W
J1311	1-817-615-21	CONNECTOR, BOARD TO BOARD 18P (DMPORT)				R1087	1-216-809-11	METAL CHIP	100	5%	1/10W
		< JUMPER RESISTOR >				R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W
JR1000	1-211-950-11	SHORT CHIP	0			R1089	1-216-809-11	METAL CHIP	100	5%	1/10W
JR1001	1-211-950-11	SHORT CHIP	0			R1093	1-216-833-11	METAL CHIP	10K	5%	1/10W
JR1002	1-211-950-11	SHORT CHIP	0			R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W
JR1003	1-211-950-11	SHORT CHIP	0			R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W
JR1004	1-216-864-11	SHORT CHIP	0 (EXCEPT MY,SP,TH)			R1106	1-216-809-11	METAL CHIP	100	5%	1/10W
JR1005	1-216-864-11	SHORT CHIP	0			R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
JR1006	1-211-950-11	SHORT CHIP	0			R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
JR1008	1-216-864-11	SHORT CHIP	0			R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
JR1009	1-211-950-11	SHORT CHIP	0			R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
JR1020	1-216-864-11	SHORT CHIP	0			R1112	1-216-809-11	METAL CHIP	100	5%	1/10W
JR1005	1-216-864-11	SHORT CHIP	0			R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
JR1006	1-211-950-11	SHORT CHIP	0			R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W
JR1008	1-216-864-11	SHORT CHIP	0			R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W
JR1009	1-211-950-11	SHORT CHIP	0			R1120	1-216-809-11	METAL CHIP	100	5%	1/10W
JR1020	1-216-864-11	SHORT CHIP	0			R1121	1-216-809-11	METAL CHIP	100	5%	1/10W
JR1511	1-400-862-11	BEAD, FERRITE				R1122	1-216-809-11	METAL CHIP	100	5%	1/10W
JW1700	1-216-864-11	SHORT CHIP	0			R1123	1-216-809-11	METAL CHIP	100	5%	1/10W
		< FERRITE BEAD >				R1124	1-216-809-11	METAL CHIP	100	5%	1/10W
L1403	1-400-862-11	BEAD, FERRITE				R1125	1-216-809-11	METAL CHIP	100	5%	1/10W
		< TRANSISTOR >				R1126	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1701	8-729-620-10	TRANSISTOR	2SA1602TP-1EF			R1129	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1702	8-729-620-13	TRANSISTOR	2SC4154TP-1EF			R1134	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1703	8-729-620-13	TRANSISTOR	2SC4154TP-1EF			R1135	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1704	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R1140	1-216-809-11	METAL CHIP	100	5%	1/10W
		< RESISTOR >				R1143	1-216-809-11	METAL CHIP	100	5%	1/10W
R1010	1-216-809-11	METAL CHIP	100	5%	1/10W	R1144	1-216-809-11	METAL CHIP	100	5%	1/10W
R1011	1-216-809-11	METAL CHIP	100	5%	1/10W	R1150	1-216-809-11	METAL CHIP	100	5%	1/10W
R1012	1-216-809-11	METAL CHIP	100	5%	1/10W	R1151	1-216-809-11	METAL CHIP	100	5%	1/10W
		< FERRITE BEAD >				R1152	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W	R1351	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W	R1352	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1156	1-216-864-11	SHORT CHIP	0			R1353	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1157	1-216-864-11	SHORT CHIP	0			R1354	1-216-809-11	METAL CHIP	100	5%	1/10W
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W	R1356	1-216-817-11	METAL CHIP	470	5%	1/10W
R1161	1-216-809-11	METAL CHIP	100	5%	1/10W	R1357	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1164	1-216-864-11	SHORT CHIP	0			R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1175	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1401	1-216-809-11	METAL CHIP	100	5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1409	1-216-864-11	SHORT CHIP	0		
R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1410	1-216-817-11	METAL CHIP	470	5%	1/10W
R1183	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1411	1-216-817-11	METAL CHIP	470	5%	1/10W
R1184	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1416	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1185	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1420	1-216-864-11	SHORT CHIP	0		
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1424	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1425	1-216-864-11	SHORT CHIP	0		
R1188	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1434	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1435	1-216-864-11	SHORT CHIP	0		
R1193	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AUS)	R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP,UK,MY,SP,TH)	R1444	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP,UK)	R1445	1-216-864-11	SHORT CHIP	0		
R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (MY,SP,TH)	R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1194	1-216-841-11	METAL CHIP	47K	5%	1/10W (AUS)	R1454	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1194	1-216-864-11	SHORT CHIP	0 (US,CND)			R1455	1-216-864-11	SHORT CHIP	0		
R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1460	1-216-864-11	SHORT CHIP	0		
R1253	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1461	1-216-864-11	SHORT CHIP	0		
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1463	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1464	1-216-864-11	SHORT CHIP	0		
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1469	1-216-809-11	METAL CHIP	100	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1470	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W	R1471	1-216-864-11	SHORT CHIP	0		
R1305	1-216-819-11	METAL CHIP	680	5%	1/10W	R1472	1-216-864-11	SHORT CHIP	0		
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W	R1473	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W	R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W	R1475	1-216-864-11	SHORT CHIP	0		
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W	R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W	R1483	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W	R1484	1-216-864-11	SHORT CHIP	0		
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W	R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W	R1490	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1491	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1492	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1319	1-216-864-11	SHORT CHIP	0			R1493	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1321	1-216-864-11	SHORT CHIP	0			R1494	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1323	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1495	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1325	1-216-864-11	SHORT CHIP	0			R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1327	1-216-809-11	METAL CHIP	100	5%	1/10W	R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1331	1-216-809-11	METAL CHIP	100	5%	1/10W	R1503	1-216-813-11	METAL CHIP	220	5%	1/10W
R1332	1-216-809-11	METAL CHIP	100	5%	1/10W	R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1333	1-216-809-11	METAL CHIP	100	5%	1/10W	R1505	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1507	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1508	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1510	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark		
R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1964	1-216-864-11	SHORT CHIP	0		
R1512	1-216-857-11	METAL CHIP	1M	5%	1/10W				< NETWORK RESISTOR >		
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W	RB1500	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
R1514	1-216-809-11	METAL CHIP	100	5%	1/10W	RB1501	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
R1516	1-216-833-11	METAL CHIP	10K	5%	1/10W	RB1502	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W	RB1503	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
R1530	1-216-845-11	METAL CHIP	100K	5%	1/10W	RB1504	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
R1531	1-216-809-11	METAL CHIP	100	5%	1/10W	RB1506	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W	RB1507	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W	RB1508	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W				< VIBRATOR >		
R1557	1-216-813-11	METAL CHIP	220	5%	1/10W	X1101	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W	X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)			
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W	X1502	1-813-276-21	QUARTZ, CRYSTAL (13.9MHz)			
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W	*****	*****	*****	*****		
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W	A-1225-205-A	DISPLAY BOARD, COMPLETE (US,CND)				
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W	A-1225-206-A	DISPLAY BOARD, COMPLETE (AEP,UK)				
R1602	1-216-864-11	SHORT CHIP	0			A-1225-207-A	DISPLAY BOARD, COMPLETE (MY,SP,TH)				
R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W	A-1225-208-A	DISPLAY BOARD, COMPLETE (AUS)				
R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W	*****	*****	*****	*****		
R1637	1-216-864-11	SHORT CHIP	0			C110	1-162-286-31	CERAMIC	220PF	10%	50V
R1701	1-216-864-11	SHORT CHIP	0			C111	1-162-286-31	CERAMIC	220PF	10%	50V
R1702	1-216-813-11	METAL CHIP	220	5%	1/10W	C112	1-162-286-31	CERAMIC	220PF	10%	50V
R1703	1-216-833-11	METAL CHIP	10K	5%	1/10W	C114	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1704	1-216-837-11	METAL CHIP	22K	5%	1/10W	C115	1-126-964-11	ELECT	10uF	20%	50V
R1705	1-216-833-11	METAL CHIP	10K	5%	1/10W	C144	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1707	1-216-838-11	METAL CHIP	27K	5%	1/10W	C145	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1708	1-216-833-11	METAL CHIP	10K	5%	1/10W	C147	1-162-286-31	CERAMIC	220PF	10%	50V
R1709	1-216-809-11	METAL CHIP	100	5%	1/10W	C148	1-126-964-11	ELECT	10uF	20%	50V
R1710	1-216-833-11	METAL CHIP	10K	5%	1/10W	C149	1-162-286-31	CERAMIC	220PF	10%	50V
R1711	1-216-833-11	METAL CHIP	10K	5%	1/10W	C160	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1712	1-216-845-11	METAL CHIP	100K	5%	1/10W	C162	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1713	1-216-837-11	METAL CHIP	22K	5%	1/10W	C164	1-162-286-31	CERAMIC	220PF	10%	50V
R1714	1-216-821-11	METAL CHIP	1K	5%	1/10W	C165	1-126-964-11	ELECT	10uF	20%	50V
R1716	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1801	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1802	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1804	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1805	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1806	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1807	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1941	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1946	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1947	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1948	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1949	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R1951	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1952	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1953	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1954	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1960	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1961	1-216-801-11	METAL CHIP	22	5%	1/10W						
R1962	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1964	1-216-864-11	SHORT CHIP	0								
R1965	1-216-864-11	SHORT CHIP	0								
R1966	1-216-864-11	SHORT CHIP	0								
R1967	1-216-864-11	SHORT CHIP	0								
R1968	1-216-864-11	SHORT CHIP	0								
R1969	1-216-864-11	SHORT CHIP	0								
R1970	1-216-864-11	SHORT CHIP	0								
R1971	1-216-864-11	SHORT CHIP	0								
R1972	1-216-864-11	SHORT CHIP	0								
R1973	1-216-864-11	SHORT CHIP	0								
R1974	1-216-864-11	SHORT CHIP	0								
R1975	1-216-864-11	SHORT CHIP	0								
R1976	1-216-864-11	SHORT CHIP	0								
R1977	1-216-864-11	SHORT CHIP	0								
R1978	1-216-864-11	SHORT CHIP	0								
R1979	1-216-864-11	SHORT CHIP	0								
R1980	1-216-864-11	SHORT CHIP	0								
R1981	1-216-864-11	SHORT CHIP	0								
R1982	1-216-864-11	SHORT CHIP	0								
R1983	1-216-864-11	SHORT CHIP	0								
R1984	1-216-864-11	SHORT CHIP	0								
R1985	1-216-864-11	SHORT CHIP	0								
R1986	1-216-864-11	SHORT CHIP	0								
R1987	1-216-864-11	SHORT CHIP	0								
R1988	1-216-864-11	SHORT CHIP	0								
R1989	1-216-864-11	SHORT CHIP	0								
R1990	1-216-864-11	SHORT CHIP	0								
R1991	1-216-864-11	SHORT CHIP	0								
R1992	1-216-864-11	SHORT CHIP	0								
R1993	1-216-864-11	SHORT CHIP	0								
R1994	1-216-864-11	SHORT CHIP	0								
R1995	1-216-864-11	SHORT CHIP	0								
R1996	1-216-864-11	SHORT CHIP	0								
R1997	1-216-864-11	SHORT CHIP	0								
R1998	1-216-864-11	SHORT CHIP	0								
R1999	1-216-864-11	SHORT CHIP	0								
R2000	1-216-864-11	SHORT CHIP	0								
R2001	1-216-864-11	SHORT CHIP	0								
R2002	1-216-864-11	SHORT CHIP	0								
R2003	1-216-864-11	SHORT CHIP	0								
R2004	1-216-864-11	SHORT CHIP	0								
R2005	1-216-864-11	SHORT CHIP	0								
R2006	1-216-864-11	SHORT CHIP	0								
R2007	1-216-864-11	SHORT CHIP	0								
R2008	1-216-864-11	SHORT CHIP	0								
R2009	1-216-864-11	SHORT CHIP	0								
R2010	1-216-864-11	SHORT CHIP	0								
R2011	1-216-864-11	SHORT CHIP	0								
R2012	1-216-864-11	SHORT CHIP	0								
R2013	1-216-864-11	SHORT CHIP	0								
R2014	1-216-864-11	SHORT CHIP	0								
R2015	1-216-864-11	SHORT CHIP	0								
R2016	1-216-864-11	SHORT CHIP	0								
R2017	1-216-864-11	SHORT CHIP	0								
R2018	1-216-864-11	SHORT CHIP	0								
R2019	1-216-864-11	SHORT CHIP	0								
R2020	1-216-864-11	SHORT CHIP	0								
R2021	1-216-864-11	SHORT CHIP	0								
R2022	1-216-864-11	SHORT CHIP	0								
R2023	1-216-864-11	SHORT CHIP	0								
R2024	1-216-864-11	SHORT CHIP	0								
R2025	1-216-864-11	SHORT CHIP	0								
R2026	1-216-864-11	SHORT CHIP	0								
R2027	1-216-864-11	SHORT CHIP	0								
R2028	1-216-864-11	SHORT CHIP	0								
R2029	1-216-864-11	SHORT CHIP	0								
R2030	1-216-864-11	SHORT CHIP	0								
R2031	1-216-864-11	SHORT CHIP	0								
R2032	1-216-864-11	SHORT CHIP	0								
R2033	1-216-864-11	SHORT CHIP	0								
R2034	1-216-864-11	SHORT CHIP	0								
R2035	1-216-864-11	SHORT CHIP	0								
R2036	1-216-864-11	SHORT CHIP	0								
R2037	1-216-864-11	SHORT CHIP	0								
R2038	1-216-864-11	SHORT CHIP	0								
R2039	1-216-864-11	SHORT CHIP	0								
R2040	1-216-864-11	SHORT CHIP	0								
R2041	1-216-864-11	SHORT CHIP	0								
R2042	1-216-864-11	SHORT CHIP	0								
R2043	1-216-864-11	SHORT CHIP	0								
R2044	1-216-864-11	SHORT CHIP	0								
R2045	1-216-864-11	SHORT CHIP	0								
R2046	1-216-864-11	SHORT CHIP	0								
R2047	1-216-864-11	SHORT CHIP	0								
R2048	1-216-864-11	SHORT CHIP	0								
R2049	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R2050	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R2051	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R2052	1-216-833-11	METAL CHIP	10K</td								

STR-DG710

DISPLAY **HDMI RE**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark						
R106	1-249-419-11	CARBON	1.5K	5%	1/4W	C3518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R107	1-249-421-11	CARBON	2.2K	5%	1/4W	C3519	1-126-210-21	ELECT CHIP	220uF	20%	4V		
R108	1-249-409-11	CARBON	220	5%	1/4W	C3520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R109	1-249-411-11	CARBON	330	5%	1/4W	C3521	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R110	1-249-413-11	CARBON	470	5%	1/4W	C3522	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R115	1-247-807-31	CARBON	100	5%	1/4W	C3523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R116	1-247-807-31	CARBON	100	5%	1/4W	C3524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R117	1-247-807-31	CARBON	100	5%	1/4W	C3525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R118	1-249-440-11	CARBON	82K	5%	1/4W	C3526	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R119	1-247-807-31	CARBON	100	5%	1/4W	C3527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R120	1-249-393-11	CARBON	10	5%	1/4W F	C3529	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R197	1-249-385-11	CARBON	2.2	5%	1/4W F (EXCEPT US,CND)	C3530	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R197	1-249-387-81	CARBON	3.3	5%	1/4W F (US,CND)	C3531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R198	1-249-385-11	CARBON	2.2	5%	1/4W F (EXCEPT US,CND)	C3533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R198	1-249-387-81	CARBON	3.3	5%	1/4W F (US,CND)	C3534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
< ROTARY ENCODER >													
RV101	1-418-817-11	ENCODER, ROTARY (INPUT SELECTOR)				C3535	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)				C3536	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
< SWITCH >													
S101	1-771-410-21	SWITCH, TACTILE (DIRECT)				C3537	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
S102	1-771-410-21	SWITCH, TACTILE (AUTO CAL)				C3538	1-162-916-11	CERAMIC CHIP	12PF	5%	50V		
S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)				C3539	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)				C3540	1-162-916-11	CERAMIC CHIP	12PF	5%	50V		
S105	1-771-410-21	SWITCH, TACTILE (MUSIC)				C3541	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
S106	1-771-410-21	SWITCH, TACTILE (MOVIE)				C3542	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
S107	1-771-410-21	SWITCH, TACTILE (A.F.D.)				C3543	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
S108	1-771-410-21	SWITCH, TACTILE (2CH)				C3544	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
S109	1-771-410-21	SWITCH, TACTILE (CATEGORY +)				C3545	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
S110	1-771-410-21	SWITCH, TACTILE (CATEGORY -)				C3547	1-100-053-21	ELECT CHIP	220uF	20%	6.3V		
S111	1-771-410-21	SWITCH, TACTILE (CATEGORY MODE)				C3548	1-126-210-21	ELECT CHIP	220uF	20%	4V		
S112	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)				C3549	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		

✉ A-1253-209-A	HDMI RE BOARD, COMPLETE (for SERVICE)												

< CAPACITOR >													
C3501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3551	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3552	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3553	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3555	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3556	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3558	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3561	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3562	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3563	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3564	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		

C3501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
C3502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3571	1-126-205-11	ELECT CHIP	47uF	20%	6.3V		
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3572	1-126-206-11	ELECT CHIP	100uF	20%	6.3V		
C3504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3573	1-126-205-11	ELECT CHIP	47uF	20%	6.3V		
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3574	1-126-210-21	ELECT CHIP	220uF	20%	4V		
C3507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3575	1-100-053-21	ELECT CHIP	220uF	20%	6.3V		
C3508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3576	1-165-667-21	ELECT CHIP	100uF	20%	6.3V		
C3509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3579	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C3510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3580	1-165-667-21	ELECT CHIP	100uF	20%	6.3V		
C3511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3584	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V		
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3585	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		
C3513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3586	1-128-995-21	ELECT CHIP	100uF	20%	10V		
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3590	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V		

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark		
C3591	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC3503	6-710-819-01	IC TMDS341APFCR			
C3593	1-128-994-21	ELECT CHIP	47uF 20% 10V	IC3504	8-759-596-39	IC SN74LV4052APWR			
C3594	1-128-994-21	ELECT CHIP	47uF 20% 10V	IC3507	6-708-758-01	IC PCA9517DP.118			
C3596	1-128-994-21	ELECT CHIP	47uF 20% 10V	IC3509	6-704-001-01	IC BR24L02F-WE2			
C3597	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC3511	(Not supplied)	IC SII9011CLU			
C3615	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC3513	(Not supplied)	IC SII9030CTU-7			
C3616	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC3516	6-705-337-01	IC TK11150CSCL-G			
C3617	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC3519	6-807-228-01	IC M30620FCPGP-RPT02			
C3618	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC3521	8-759-596-39	IC SN74LV4052APWR			
C3619	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	IC3526	6-707-744-01	IC SI-3033KM-TL			
C3620	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC3527	6-707-744-01	IC SI-3033KM-TL			
C3621	1-112-791-11	ELECT CHIP	100uF 20% 16V	IC3528	8-759-832-05	IC BA18BC0FP-E2			
C3625	1-126-205-11	ELECT CHIP	47uF 20% 6.3V	< TRANSISTOR >					
C3627	1-126-205-11	ELECT CHIP	47uF 20% 6.3V	Q3504	6-550-014-01	FET SSM6N15FU(TE85R)			
C3630	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	Q3505	8-729-600-22	TRANSISTOR 2SA1235-F			
C3631	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	Q3506	8-729-600-22	TRANSISTOR 2SA1235-F			
C3632	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	< RESISTOR >					
C3633	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R3500	1-216-833-11	METAL CHIP	10K	5%	1/10W
C3634	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R3502	1-216-864-11	SHORT CHIP	0		
C3635	1-126-205-11	ELECT CHIP	47uF 20% 6.3V	R3504	1-216-864-11	SHORT CHIP	0		
C3643	1-126-205-11	ELECT CHIP	47uF 20% 6.3V	R3509	1-216-805-11	METAL CHIP	47	5%	1/10W
C3644	1-126-205-11	ELECT CHIP	47uF 20% 6.3V	R3511	1-216-841-11	METAL CHIP	47K	5%	1/10W
< CONNECTOR >									
CN3501	1-820-735-11	CONNECTOR, HDMI 19P (HDMI DVD IN)		R3512	1-216-805-11	METAL CHIP	47	5%	1/10W
CN3502	1-820-735-11	CONNECTOR, HDMI 19P (HDMI VIDEO 2/BD IN)		R3513	1-216-841-11	METAL CHIP	47K	5%	1/10W
CN3504	1-820-735-11	CONNECTOR, HDMI 19P (HDMI OUT)		R3519	1-216-864-11	SHORT CHIP	0		
CN3509	1-779-993-11	PIN, CONNECTOR (PWB) 5P		R3521	1-216-833-11	METAL CHIP	10K	5%	1/10W
CN3510	1-784-859-51	CONNECTOR, FFC (LIF(NON-ZIF)) 7P		R3524	1-216-833-11	METAL CHIP	10K	5%	1/10W
CN3512	1-785-466-41	CONNECTOR, FFC/FPC 7P		R3525	1-216-844-11	METAL CHIP	750	0.5%	1/10W
< DIODE >									
D3501	8-719-988-61	DIODE 1SS355TE-17		R3526	1-216-861-11	METAL CHIP	3.9K	0.5%	1/10W
D3502	8-719-988-61	DIODE 1SS355TE-17		R3527	1-216-833-11	METAL CHIP	10K	5%	1/10W
D3511	8-719-988-61	DIODE 1SS355TE-17		R3528	1-216-833-11	METAL CHIP	10K	5%	1/10W
D3512	8-719-988-61	DIODE 1SS355TE-17		R3532	1-216-833-11	METAL CHIP	10K	5%	1/10W
< TERMINAL >									
ET3503	1-780-318-11	TERMINAL		R3533	1-216-833-11	METAL CHIP	10K	5%	1/10W
< FERRITE BEAD >									
FB3501	1-414-234-22	INDUCTOR, FERRITE BEAD		R3534	1-216-833-11	METAL CHIP	10K	5%	1/10W
FB3502	1-414-234-22	INDUCTOR, FERRITE BEAD		R3535	1-216-864-11	SHORT CHIP	0		
FB3503	1-414-234-22	INDUCTOR, FERRITE BEAD		R3536	1-216-864-11	SHORT CHIP	0		
FB3504	1-414-234-22	INDUCTOR, FERRITE BEAD		R3541	1-216-833-11	METAL CHIP	10K	5%	1/10W
FB3505	1-414-234-22	INDUCTOR, FERRITE BEAD		R3542	1-216-864-11	SHORT CHIP	0		
FB3506	1-414-234-22	INDUCTOR, FERRITE BEAD		R3544	1-216-805-11	METAL CHIP	47	5%	1/10W
FB3508	1-414-234-22	INDUCTOR, FERRITE BEAD		R3545	1-216-805-11	METAL CHIP	47	5%	1/10W
FB3509	1-469-152-11	FERRITE, EMI (SMD) (2012)		R3546	1-216-857-11	METAL CHIP	1M	5%	1/10W
FB3510	1-414-234-22	INDUCTOR, FERRITE BEAD		R3548	1-216-803-11	METAL CHIP	33	5%	1/10W
FB3511	1-414-234-22	INDUCTOR, FERRITE BEAD		R3549	1-216-809-11	METAL CHIP	100	5%	1/10W
FB3512	1-414-234-22	INDUCTOR, FERRITE BEAD		R3550	1-216-809-11	METAL CHIP	100	5%	1/10W
FB3513	1-414-234-22	INDUCTOR, FERRITE BEAD		R3551	1-216-809-11	METAL CHIP	100	5%	1/10W
FB3514	1-414-234-22	INDUCTOR, FERRITE BEAD		R3552	1-216-809-11	METAL CHIP	100	5%	1/10W
< IC >									
IC3501	8-759-389-26	IC 74LCX08MTCX		R3554	1-216-809-11	METAL CHIP	100	5%	1/10W
< IC >									
R3564	1-218-285-11	METAL CHIP	75	5%	1/10W				
R3565	1-216-805-11	METAL CHIP	47	5%	1/10W				
R3566	1-218-285-11	METAL CHIP	75	5%	1/10W				
R3567	1-218-285-11	METAL CHIP	75	5%	1/10W				

Note: When IC3511 and IC3513 on the HDMI RE board are damaged, exchange the new HDMI RE board for the HDMI RE board which IC damaged.

STR-DG710

HDMI RE HEADPHONE

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R3570	1-216-809-11	METAL CHIP	100 5% 1/10W	R3711	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R3576	1-216-805-11	METAL CHIP	47 5% 1/10W	R3712	1-216-837-11	METAL CHIP	22K 5% 1/10W
R3577	1-216-805-11	METAL CHIP	47 5% 1/10W	R3713	1-216-837-11	METAL CHIP	22K 5% 1/10W
R3578	1-216-809-11	METAL CHIP	100 5% 1/10W	R3714	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R3579	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3741	1-216-817-11	METAL CHIP	470 5% 1/10W
R3580	1-218-839-11	METAL CHIP	470 0.5% 1/10W	R3744	1-216-805-11	METAL CHIP	47 5% 1/10W
R3581	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3745	1-216-805-11	METAL CHIP	47 5% 1/10W
R3582	1-216-793-11	METAL CHIP	4.7 5% 1/10W	R3747	1-216-864-11	SHORT CHIP	0
R3583	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R3748	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R3584	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R3749	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R3585	1-216-864-11	SHORT CHIP	0	R3750	1-216-805-11	METAL CHIP	47 5% 1/10W
R3586	1-216-864-11	SHORT CHIP	0	R3775	1-216-797-11	METAL CHIP	10 5% 1/10W
R3587	1-216-864-11	SHORT CHIP	0	R3776	1-216-797-11	METAL CHIP	10 5% 1/10W
R3588	1-216-864-11	SHORT CHIP	0	R3784	1-216-864-11	SHORT CHIP	0
R3589	1-216-864-11	SHORT CHIP	0	R3788	1-216-864-11	SHORT CHIP	0
R3590	1-216-864-11	SHORT CHIP	0	R3790	1-216-833-11	METAL CHIP	10K 5% 1/10W
R3591	1-216-864-11	SHORT CHIP	0	R3792	1-216-833-11	METAL CHIP	10K 5% 1/10W
R3592	1-216-864-11	SHORT CHIP	0	R3794	1-216-833-11	METAL CHIP	10K 5% 1/10W
R3593	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3796	1-216-833-11	METAL CHIP	10K 5% 1/10W
R3594	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3797	1-216-833-11	METAL CHIP	10K 5% 1/10W
R3595	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3798	1-216-864-11	SHORT CHIP	0
R3597	1-216-864-11	SHORT CHIP	0	R3799	1-216-805-11	METAL CHIP	47 5% 1/10W
R3598	1-216-864-11	SHORT CHIP	0	< NETWORK RESISTOR >			
R3599	1-216-824-11	METAL CHIP	1.8K 5% 1/10W	RB3501	1-234-723-11	RES, NETWORK 75X4 (1005)	
R3600	1-216-824-11	METAL CHIP	1.8K 5% 1/10W	RB3502	1-234-723-11	RES, NETWORK 75X4 (1005)	
R3601	1-216-833-11	METAL CHIP	10K 5% 1/10W	RB3503	1-234-723-11	RES, NETWORK 75X4 (1005)	
R3602	1-216-833-11	METAL CHIP	10K 5% 1/10W	RB3504	1-234-723-11	RES, NETWORK 75X4 (1005)	
R3603	1-216-833-11	METAL CHIP	10K 5% 1/10W	RB3505	1-234-723-11	RES, NETWORK 75X4 (1005)	
R3604	1-216-833-11	METAL CHIP	10K 5% 1/10W	RB3506	1-234-723-11	RES, NETWORK 75X4 (1005)	
R3605	1-216-833-11	METAL CHIP	10K 5% 1/10W	< VIBRATOR >			
R3608	1-216-805-11	METAL CHIP	47 5% 1/10W	X3501	1-813-570-21	VIBRATOR, CRYSTAL (28.322MHz)	
R3609	1-216-805-11	METAL CHIP	47 5% 1/10W	X3502	1-795-244-11	VIBRATOR, CERAMIC (10MHz)	
R3610	1-216-805-11	METAL CHIP	47 5% 1/10W	*****			
R3611	1-216-805-11	METAL CHIP	47 5% 1/10W	HEADPHONE BOARD			
R3612	1-216-805-11	METAL CHIP	47 5% 1/10W	*****			
R3613	1-216-805-11	METAL CHIP	47 5% 1/10W	< CAPACITOR >			
R3614	1-216-805-11	METAL CHIP	47 5% 1/10W	C790	1-127-888-11	CERAMIC	0.1uF 10% 50V
R3615	1-216-805-11	METAL CHIP	47 5% 1/10W	C791	1-127-888-11	CERAMIC	0.1uF 10% 50V
R3616	1-216-805-11	METAL CHIP	47 5% 1/10W	< CONNECTOR >			
R3621	1-216-805-11	METAL CHIP	47 5% 1/10W	* CNP790	1-564-508-11	PLUG, CONNECTOR 5P	
R3622	1-216-805-11	METAL CHIP	47 5% 1/10W	< JACK >			
R3623	1-216-805-11	METAL CHIP	47 5% 1/10W	J790	1-815-314-21	JACK (PHONES)	
R3624	1-216-801-11	METAL CHIP	22 5% 1/10W	< LEAD WIRE >			
R3625	1-216-801-11	METAL CHIP	22 5% 1/10W	* TP790	1-690-880-31	LEAD (WITH CONNECTOR)	
R3633	1-216-864-11	SHORT CHIP	0	*****			
R3634	1-216-833-11	METAL CHIP	10K 5% 1/10W	< LEAD WIRE >			
R3639	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	< LEAD WIRE >			
R3642	1-216-841-11	METAL CHIP	47K 5% 1/10W	< LEAD WIRE >			
R3645	1-216-809-11	METAL CHIP	100 5% 1/10W	< LEAD WIRE >			
R3652	1-216-824-11	METAL CHIP	1.8K 5% 1/10W	< LEAD WIRE >			
R3653	1-216-824-11	METAL CHIP	1.8K 5% 1/10W	< LEAD WIRE >			
R3654	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	< LEAD WIRE >			
R3655	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	< LEAD WIRE >			
R3660	1-216-864-11	SHORT CHIP	0	< LEAD WIRE >			
R3661	1-216-821-11	METAL CHIP	1K 5% 1/10W	< LEAD WIRE >			
R3662	1-216-821-11	METAL CHIP	1K 5% 1/10W	< LEAD WIRE >			
R3676	1-216-809-11	METAL CHIP	100 5% 1/10W	< LEAD WIRE >			
R3700	1-216-833-11	METAL CHIP	10K 5% 1/10W	< LEAD WIRE >			

Ref. No.	Part No.	Description		Remark		Ref. No.	Part No.	Description		Remark	
	A-1224-702-A	MAIN BOARD, COMPLETE (US,CND)		C610	1-126-947-11	ELECT	47uF	20%	35V		
	A-1224-704-A	MAIN BOARD, COMPLETE (AEP,UK,AUS)		C611	1-136-157-00	FILM	0.022uF	5%	50V		
	A-1224-705-A	MAIN BOARD, COMPLETE (MY,SP,TH)	*****	C619	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		
		*****		C620	1-162-815-11	CERAMIC	47PF	5%	500V		
				C621	1-162-815-11	CERAMIC	47PF	5%	500V		
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		C640	1-126-964-11	ELECT	10uF	20%	50V		
		< CAPACITOR >		C642	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C400	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C651	1-126-963-11	ELECT	4.7uF	20%	50V
C408	1-126-963-11	ELECT	4.7uF	20%	50V	C653	1-165-722-11	ELECT	100uF	20%	10V
C444	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C453	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C655	1-102-233-00	CERAMIC	33PF	10%	500V
C458	1-126-963-11	ELECT	4.7uF	20%	50V	C656	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C463	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C657	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C464	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C660	1-126-947-11	ELECT	47uF	20%	35V
C468	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C661	1-136-157-00	FILM	0.022uF	5%	50V
C469	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C666	1-162-815-11	CERAMIC	47PF	5%	500V
C471	1-126-963-11	ELECT	4.7uF	20%	50V	C669	1-162-815-11	CERAMIC	47PF	5%	500V
C481	1-126-964-11	ELECT	10uF	20%	50V	C670	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C484	1-126-964-11	ELECT	10uF	20%	50V	C680	1-126-964-11	ELECT	10uF	20%	50V
C485	1-126-964-11	ELECT	10uF	20%	50V	C681	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C488	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C691	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C490	1-126-964-11	ELECT	10uF	20%	50V	C701	1-126-963-11	ELECT	4.7uF	20%	50V
C492	1-126-964-11	ELECT	10uF	20%	50V	C702	1-126-964-11	ELECT	10uF	20%	50V
C493	1-126-964-11	ELECT	10uF	20%	50V	C703	1-165-722-11	ELECT	100uF	20%	10V
C495	1-126-964-11	ELECT	10uF	20%	50V	C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C501	1-126-963-11	ELECT	4.7uF	20%	50V	C705	1-102-233-00	CERAMIC	33PF	10%	500V
C503	1-165-722-11	ELECT	100uF	20%	10V	C706	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C504	1-107-583-11	CERAMIC	3PF	0.25PF	500V	C707	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C505	1-102-233-00	CERAMIC	33PF	10%	500V	C710	1-126-947-11	ELECT	47uF	20%	35V
C506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C711	1-136-157-00	FILM	0.022uF	5%	50V
C507	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C716	1-162-815-11	CERAMIC	47PF	5%	500V
C510	1-126-947-11	ELECT	47uF	20%	35V	C717	1-162-815-11	CERAMIC	47PF	5%	500V
C511	1-136-157-00	FILM	0.022uF	5%	50V	C720	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C516	1-162-815-11	CERAMIC	47PF	5%	500V	C721	1-126-923-11	ELECT	220uF	20%	10V
C517	1-162-815-11	CERAMIC	47PF	5%	500V	C722	1-126-964-11	ELECT	10uF	20%	50V
C519	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C732	1-128-582-11	ELECT	10uF	20%	100V
C531	1-136-157-00	FILM	0.022uF	5%	50V	C733	1-128-582-11	ELECT	10uF	20%	100V
C539	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C740	1-126-964-11	ELECT	10uF	20%	50V
C540	1-126-964-11	ELECT	10uF	20%	50V	C741	1-128-579-11	ELECT	2.2uF	20%	100V
C541	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C742	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C553	1-165-722-11	ELECT	100uF	20%	10V	C743	1-128-579-11	ELECT	2.2uF	20%	100V
C554	1-107-583-11	CERAMIC	3PF	0.25PF	500V	C744	1-128-579-11	ELECT	2.2uF	20%	100V
C561	1-126-963-11	ELECT	4.7uF	20%	50V	C750	1-126-964-11	ELECT	10uF	20%	50V
C565	1-102-233-00	CERAMIC	33PF	10%	500V	C751	1-126-963-11	ELECT	4.7uF	20%	50V
C566	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C752	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C567	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C753	1-165-722-11	ELECT	100uF	20%	10V
C570	1-126-947-11	ELECT	47uF	20%	35V	C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C576	1-162-815-11	CERAMIC	47PF	5%	500V	C755	1-102-233-00	CERAMIC	33PF	10%	500V
C577	1-162-815-11	CERAMIC	47PF	5%	500V	C756	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C580	1-126-964-11	ELECT	10uF	20%	50V	C757	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C581	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C760	1-126-947-11	ELECT	47uF	20%	35V
C601	1-126-963-11	ELECT	4.7uF	20%	50V	C761	1-136-157-00	FILM	0.022uF	5%	50V
C603	1-165-722-11	ELECT	100uF	20%	10V	C762	1-126-964-11	ELECT	10uF	20%	50V
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V	C766	1-162-815-11	CERAMIC	47PF	5%	500V
C605	1-102-233-00	CERAMIC	33PF	10%	500V	C767	1-162-815-11	CERAMIC	47PF	5%	500V
C606	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C770	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C607	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C791	1-126-923-11	ELECT	220uF	20%	10V
						C801	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C802	1-126-947-11	ELECT	47uF	20%	35V	CC55	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
C803	1-109-932-14	ELECT(BLOCK)	0.01F	20%	71V	CC56	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
C804	1-109-932-14	ELECT(BLOCK)	0.01F	20%	71V	CC58	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
C805	1-135-851-21	MYLAR	0.22uF		100V						
C806	1-135-851-21	MYLAR	0.22uF		100V						
C807	1-126-947-11	ELECT	47uF	20%	35V						< CONNECTOR >
C808	1-126-947-11	ELECT	47uF	20%	35V	CN500	1-573-843-11	CONNECTOR, BOARD TO BOARD 11P			
C809	1-100-623-11	CERAMIC CHIP	0.1uF	10%	100V	CN504	1-784-766-11	CONNECTOR, FFC 5P (US,CND)			
C810	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	CN506	1-779-978-11	PIN, CONNECTOR 3P			
C811	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P			
C822	1-126-947-11	ELECT	47uF	20%	35V	* CNP503	1-564-506-11	PLUG, CONNECTOR 3P			
C830	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	* CNP507	1-564-507-11	PLUG, CONNECTOR 4P			
C831	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	* CNP801	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P			
C832	1-126-936-11	ELECT	3300uF	20%	16V	* CNP802	1-564-509-11	PLUG, CONNECTOR 6P			
C3022	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	* CNP912	1-564-506-11	PLUG, CONNECTOR 3P			
C3024	1-126-963-11	ELECT	4.7uF	20%	50V						< DIODE >
C3025	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D505	6-501-193-01	DIODE 1SS355WTE-17			
C3026	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D540	6-501-193-01	DIODE 1SS355WTE-17			
C3027	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	D560	6-501-193-01	DIODE 1SS355WTE-17			
C3032	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	D580	6-501-193-01	DIODE 1SS355WTE-17			
C3034	1-126-963-11	ELECT	4.7uF	20%	50V	D585	6-501-193-01	DIODE 1SS355WTE-17			
C3037	1-165-908-11	CERAMIC CHIP	1uF	10%	10V						
CC02	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)	D605	6-501-193-01	DIODE 1SS355WTE-17			
CC04	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)	D610	6-501-193-01	DIODE 1SS355WTE-17			
CC05	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)	D611	6-501-193-01	DIODE 1SS355WTE-17			
CC06	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)	D640	6-501-193-01	DIODE 1SS355WTE-17			
CC07	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)	D665	6-501-193-01	DIODE 1SS355WTE-17			
CC08	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)	D680	6-501-193-01	DIODE 1SS355WTE-17			
CC10	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)	D690	8-719-083-71	DIODE UDZSTE-1730B			
CC11	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)	D691	6-501-193-01	DIODE 1SS355WTE-17			
CC12	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)	D701	6-501-193-01	DIODE 1SS355WTE-17			
CC13	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)	D705	6-501-193-01	DIODE 1SS355WTE-17			
CC15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)	D710	6-501-193-01	DIODE 1SS355WTE-17			
CC16	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)	D721	6-501-193-01	DIODE 1SS355WTE-17			
CC17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)	D722	6-501-193-01	DIODE 1SS355WTE-17			
CC18	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)	D732	6-501-193-01	DIODE 1SS355WTE-17			
CC52	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)	D733	6-501-193-01	DIODE 1SS355WTE-17			
CC54	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)	D740	6-501-193-01	DIODE 1SS355WTE-17			
						D750	6-501-193-01	DIODE 1SS355WTE-17			
						D765	6-501-193-01	DIODE 1SS355WTE-17			
						D791	6-501-193-01	DIODE 1SS355WTE-17			
						D801	8-719-083-85	DIODE UDZSTE-1722B			
						D802	8-719-072-05	DIODE RBV-602LF-A			
						D804	6-500-295-01	DIODE PTZ-TE25-5.6B			
						D805	8-719-053-18	DIODE 1SR154-400TE-25			
						D806	8-719-053-18	DIODE 1SR154-400TE-25			
						D807	8-719-053-18	DIODE 1SR154-400TE-25			
						D808	8-719-053-18	DIODE 1SR154-400TE-25			
						D896	8-719-053-18	DIODE 1SR154-400TE-25			
											< IC >
						IC401	6-707-362-01	IC BD3451KS			
						IC501	6-700-943-01	IC uPC2581V-S			
						IC601	6-700-943-01	IC uPC2581V-S			
						IC691	8-759-710-97	IC NJM4565M-D			
						IC701	6-700-943-01	IC uPC2581V-S			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
IC801	8-759-071-48	IC TA7807S		Q756	8-729-216-31	TRANSISTOR	2SA1163-G
IC802	8-759-071-47	IC TA79007S		Q790	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
IC3002	8-759-710-97	IC NJM4565M-D		Q793	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
		< JACK >		Q795	8-729-216-31	TRANSISTOR	2SA1163-G
J309	1-770-377-21	JACK, PIN 1P (SUB WOOFER AUDIO OUT)		Q801	8-729-140-97	TRANSISTOR	2SB734-34
J402	1-770-614-11	JACK, PIN 4P (VIDEO 1 AUDIO IN/AUDIO OUT)					
J406	1-774-411-11	JACK, PIN 6P (SA-CD/CD/CD-R IN, TV AUDIO IN,SAT AUDIO IN)					
		< COIL >		R402	1-216-821-11	METAL CHIP	1K 5% 1/10W
L501	1-420-872-52	COIL, AIR-CORE		R404	1-216-821-11	METAL CHIP	1K 5% 1/10W
L551	1-420-872-52	COIL, AIR-CORE		R405	1-216-821-11	METAL CHIP	1K 5% 1/10W
L601	1-420-872-52	COIL, AIR-CORE		R406	1-216-821-11	METAL CHIP	1K 5% 1/10W
L651	1-420-872-52	COIL, AIR-CORE		R408	1-216-821-11	METAL CHIP	1K 5% 1/10W
L701	1-420-872-52	COIL, AIR-CORE		R423	1-216-864-11	SHORT CHIP	0
L751	1-420-872-52	COIL, AIR-CORE		R427	1-216-864-11	SHORT CHIP	0
		< TRANSISTOR >		R428	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q501	8-729-119-76	TRANSISTOR	2SA1175-HFE	R429	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q502	8-729-141-30	TRANSISTOR	2SC3623A-LK	R447	1-216-864-11	SHORT CHIP	0
Q505	8-729-216-31	TRANSISTOR	2SA1163-G				
Q506	8-729-216-31	TRANSISTOR	2SA1163-G	R452	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q535	8-729-216-31	TRANSISTOR	2SA1163-G	R454	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q536	8-729-216-31	TRANSISTOR	2SA1163-G	R455	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q540	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R456	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q560	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R458	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q571	8-729-119-76	TRANSISTOR	2SA1175-HFE	R468	1-216-845-11	METAL CHIP	100K 5% 1/10W
Q572	8-729-141-30	TRANSISTOR	2SC3623A-LK	R469	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q580	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R470	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q601	8-729-119-76	TRANSISTOR	2SA1175-HFE	R471	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q602	8-729-141-30	TRANSISTOR	2SC3623A-LK	R472	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q605	8-729-216-31	TRANSISTOR	2SA1163-G	R473	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q606	8-729-216-31	TRANSISTOR	2SA1163-G	R474	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q610	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R475	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q611	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R476	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q612	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R480	1-216-864-11	SHORT CHIP	0 (EXCEPT US,CND)
Q640	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R481	1-216-864-11	SHORT CHIP	0 (EXCEPT US,CND)
Q651	8-729-119-76	TRANSISTOR	2SA1175-HFE	R501	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q652	8-729-141-30	TRANSISTOR	2SC3623A-LK	R502	1-216-843-11	METAL CHIP	68K 5% 1/10W
Q655	8-729-216-31	TRANSISTOR	2SA1163-G	R503	1-208-445-41	RES-CHIP	2.2K 2% 1/10W
Q656	8-729-216-31	TRANSISTOR	2SA1163-G	R505	1-208-826-11	METAL CHIP	68K 0.5% 1/10W
Q680	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R510	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q691	8-729-281-53	TRANSISTOR	2SC1815-GR	R511	1-216-844-11	METAL CHIP	82K 5% 1/10W
Q692	8-729-029-40	TRANSISTOR	DTA124ESA	R513	1-216-818-11	METAL CHIP	560 5% 1/10W
Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE	R514	1-249-399-11	CARBON	33 5% 1/4W F
Q702	8-729-141-30	TRANSISTOR	2SC3623A-LK	R515	1-249-399-11	CARBON	33 5% 1/4W F
Q705	8-729-216-31	TRANSISTOR	2SA1163-G	R516	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2 5W
Q706	8-729-216-31	TRANSISTOR	2SA1163-G	R517	1-249-393-11	CARBON	10 5% 1/4W F
Q710	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R518	1-249-389-11	CARBON	4.7 5% 1/4W F
Q722	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R520	1-216-214-00	RES-CHIP	4.7K 2% 1/8W
Q723	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R521	1-240-855-11	CARBON	6.2K 5% 1/4W F
Q725	8-729-216-31	TRANSISTOR	2SA1163-G	R522	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
Q740	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R523	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q750	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R524	1-216-835-11	METAL CHIP	15K 5% 1/10W
Q751	8-729-119-76	TRANSISTOR	2SA1175-HFE	R525	1-216-843-11	METAL CHIP	68K 5% 1/10W
Q752	8-729-141-30	TRANSISTOR	2SC3623A-LK	R526	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2 5W
Q755	8-729-216-31	TRANSISTOR	2SA1163-G	R530	1-216-214-00	RES-CHIP	4.7K 2% 1/8W
				R531	1-240-855-11	CARBON	6.2K 5% 1/4W F
				R532	1-216-833-11	METAL CHIP	10K 5% 1/10W
				R533	1-216-841-11	METAL CHIP	47K 5% 1/10W
				R534	1-216-835-11	METAL CHIP	15K 5% 1/10W
				R535	1-216-843-11	METAL CHIP	68K 5% 1/10W

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark	
R537	1-249-393-11	CARBON	10	5%	1/4W F	R666	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W		
R540	1-216-837-11	METAL CHIP	22K	5%	1/10W	R667	1-249-393-11	CARBON	10	5% 1/4W F
R546	1-216-835-11	METAL CHIP	15K	5%	1/10W	R668	1-249-389-11	CARBON	4.7	5% 1/4W F
R553	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R669	1-216-214-00	RES-CHIP	4.7K	2% 1/8W
R554	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	R671	1-240-855-11	CARBON	6.2K	5% 1/4W F
R555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R672	1-216-823-11	METAL CHIP	1.5K	5% 1/10W
R556	1-216-841-11	METAL CHIP	47K	5%	1/10W	R673	1-216-841-11	METAL CHIP	47K	5% 1/10W
R557	1-216-835-11	METAL CHIP	15K	5%	1/10W	R674	1-216-835-11	METAL CHIP	15K	5% 1/10W
R561	1-216-821-11	METAL CHIP	1K	5%	1/10W	R675	1-216-829-11	METAL CHIP	4.7K	5% 1/10W
R562	1-216-843-11	METAL CHIP	68K	5%	1/10W	R676	1-216-841-11	METAL CHIP	47K	5% 1/10W
R568	1-249-389-11	CARBON	4.7	5%	1/4W F	R677	1-216-835-11	METAL CHIP	15K	5% 1/10W
R570	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R680	1-216-837-11	METAL CHIP	22K	5% 1/10W
R571	1-216-844-11	METAL CHIP	82K	5%	1/10W	R681	1-216-835-11	METAL CHIP	15K	5% 1/10W
R572	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R690	1-216-849-11	METAL CHIP	220K	5% 1/10W
R573	1-216-841-11	METAL CHIP	47K	5%	1/10W	△ R691	1-215-886-11	METAL OXIDE	100	5% 2W F (US,CND)
R574	1-249-399-11	CARBON	33	5%	1/4W F	△ R691	1-216-453-00	METAL OXIDE	270	5% 2W F
R575	1-249-399-11	CARBON	33	5%	1/4W F	△ R692	1-215-889-00	METAL OXIDE	330	5% 2W F (US,CND)
R576	1-216-818-11	METAL CHIP	560	5%	1/10W	△ R692	1-216-453-00	METAL OXIDE	270	5% 2W F (EXCEPT US,CND)
R580	1-216-837-11	METAL CHIP	22K	5%	1/10W	R693	1-216-833-11	METAL CHIP	10K	5% 1/10W
R585	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R694	1-216-833-11	METAL CHIP	10K	5% 1/10W
R586	1-216-841-11	METAL CHIP	47K	5%	1/10W	R695	1-216-833-11	METAL CHIP	10K	5% 1/10W
R587	1-216-835-11	METAL CHIP	15K	5%	1/10W	R696	1-216-841-11	METAL CHIP	47K	5% 1/10W
R588	1-216-835-11	METAL CHIP	15K	5%	1/10W	R698	1-216-833-11	METAL CHIP	10K	5% 1/10W
R601	1-216-821-11	METAL CHIP	1K	5%	1/10W	R699	1-216-853-11	METAL CHIP	470K	5% 1/10W
R602	1-216-843-11	METAL CHIP	68K	5%	1/10W	R701	1-216-821-11	METAL CHIP	1K	5% 1/10W
R603	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R702	1-216-843-11	METAL CHIP	68K	5% 1/10W
R604	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	R703	1-208-445-41	RES-CHIP	2.2K	2% 1/10W
R610	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R704	1-208-826-11	METAL CHIP	68K	0.5% 1/10W
R611	1-216-844-11	METAL CHIP	82K	5%	1/10W	R710	1-216-825-11	METAL CHIP	2.2K	5% 1/10W
R613	1-216-818-11	METAL CHIP	560	5%	1/10W	R711	1-216-844-11	METAL CHIP	82K	5% 1/10W
R614	1-249-399-11	CARBON	33	5%	1/4W F	R713	1-216-818-11	METAL CHIP	560	5% 1/10W
R615	1-249-399-11	CARBON	33	5%	1/4W F	R714	1-249-399-11	CARBON	33	5% 1/4W F
R616	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W				R715	1-249-399-11	CARBON	33	5% 1/4W F
R617	1-249-393-11	CARBON	10	5%	1/4W F	R716	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W		
R618	1-249-389-11	CARBON	4.7	5%	1/4W F	R717	1-249-393-11	CARBON	10	5% 1/4W F
R620	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	R718	1-249-389-11	CARBON	4.7	5% 1/4W F
R621	1-240-855-11	CARBON	6.2K	5%	1/4W F	R719	1-216-214-00	RES-CHIP	4.7K	2% 1/8W
R622	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R721	1-240-855-11	CARBON	6.2K	5% 1/4W F
R623	1-216-841-11	METAL CHIP	47K	5%	1/10W	R722	1-216-823-11	METAL CHIP	1.5K	5% 1/10W
R624	1-216-835-11	METAL CHIP	15K	5%	1/10W	R723	1-216-841-11	METAL CHIP	47K	5% 1/10W
R625	1-216-843-11	METAL CHIP	68K	5%	1/10W	R724	1-216-835-11	METAL CHIP	15K	5% 1/10W
R631	1-216-821-11	METAL CHIP	1K	5%	1/10W	R725	1-216-843-11	METAL CHIP	68K	5% 1/10W
R632	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R731	1-216-825-11	METAL CHIP	2.2K	5% 1/10W
R633	1-216-821-11	METAL CHIP	1K	5%	1/10W	R732	1-249-381-11	CARBON	1	5% 1/4W F
R634	1-249-404-00	CARBON	82	5%	1/4W F	R733	1-249-381-11	CARBON	1	5% 1/4W F
R635	1-249-404-00	CARBON	82	5%	1/4W F	R734	1-249-404-00	CARBON	82	5% 1/4W F
R638	1-216-843-11	METAL CHIP	68K	5%	1/10W	R735	1-218-867-11	METAL CHIP	6.8K	0.5% 1/10W
R640	1-216-837-11	METAL CHIP	22K	5%	1/10W	R736	1-216-821-11	METAL CHIP	1K	5% 1/10W
R648	1-216-835-11	METAL CHIP	15K	5%	1/10W	R737	1-216-840-11	METAL CHIP	39K	5% 1/10W
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W	R738	1-249-404-00	CARBON	82	5% 1/4W F
R652	1-216-843-11	METAL CHIP	68K	5%	1/10W	R740	1-216-837-11	METAL CHIP	22K	5% 1/10W
R653	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R741	1-216-230-00	RES-CHIP	22K	2% 1/8W
R654	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	R743	1-216-230-00	RES-CHIP	22K	2% 1/8W
R655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R744	1-216-230-00	RES-CHIP	22K	2% 1/8W
R656	1-216-841-11	METAL CHIP	47K	5%	1/10W	R745	1-216-829-11	METAL CHIP	4.7K	5% 1/10W
R657	1-216-835-11	METAL CHIP	15K	5%	1/10W	R746	1-216-841-11	METAL CHIP	47K	5% 1/10W
R660	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R747	1-216-835-11	METAL CHIP	15K	5% 1/10W
R661	1-216-844-11	METAL CHIP	82K	5%	1/10W	R748	1-216-835-11	METAL CHIP	15K	5% 1/10W
R663	1-216-818-11	METAL CHIP	560	5%	1/10W					
R664	1-249-399-11	CARBON	33	5%	1/4W F					
R665	1-249-399-11	CARBON	33	5%	1/4W F					

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description		Remark	
R750	1-216-837-11	METAL CHIP	22K	5%	1/10W			< RELAY >			
R751	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R752	1-216-843-11	METAL CHIP	68K	5%	1/10W	RY560	1-755-267-11	RELAY			
R753	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	RY601	1-755-170-11	RELAY (12V)			
R754	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	RY610	1-755-170-11	RELAY (12V)			
R755	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	RY701	1-755-170-11	RELAY (12V)			
R756	1-216-841-11	METAL CHIP	47K	5%	1/10W	RY710	1-755-170-11	RELAY (12V)			
R757	1-216-835-11	METAL CHIP	15K	5%	1/10W	RY791	1-755-170-11	RELAY (12V)			
R758	1-216-835-11	METAL CHIP	15K	5%	1/10W			< TERMINAL BOARD >			
R760	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						
R761	1-216-844-11	METAL CHIP	82K	5%	1/10W	TB001	1-780-449-11	BANANA-PUSH TERMINAL BOARD (8P) (SPEAKERS FRONT A,SURROUND)			
R763	1-216-818-11	METAL CHIP	560	5%	1/10W						
R764	1-249-399-11	CARBON	33	5%	1/4W F	TB001	1-780-498-11	BANANA-PUSH TERMINAL BOARD (8P) (SPEAKERS FRONT A,SURROUND)			
R765	1-249-399-11	CARBON	33	5%	1/4W F						
R766	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2 5W								
R767	1-249-393-11	CARBON	10	5%	1/4W F	TM602	1-537-240-11	TERMINAL BOARD (CHECKER PIN) (SPEAKERS FRONT B)			
R768	1-249-389-11	CARBON	4.7	5%	1/4W F	TM603	1-780-451-11	BANANA-PUSH TERMINAL BOARD (4P) (SPEAKERS CENTER,SURROUND BACK)			
R769	1-216-214-00	RES-CHIP	4.7K	2%	1/8W						
R770	1-216-845-11	METAL CHIP	100K	5%	1/10W	TM603	1-780-499-11	BANANA-PUSH TERMINAL BOARD (4P) (SPEAKERS CENTER,SURROUND BACK)			
R771	1-240-855-11	CARBON	6.2K	5%	1/4W F						
R772	1-216-823-11	METAL CHIP	1.5K	5%	1/10W						
R773	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R775	1-216-843-11	METAL CHIP	68K	5%	1/10W						
R778	1-216-835-11	METAL CHIP	15K	5%	1/10W						
R780	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R790	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R791	1-216-825-11	METAL CHIP	2.2K	5%	1/10W			< CONNECTOR >			
△ R792	1-215-868-00	METAL OXIDE	680	5%	1W F	* CN103	1-691-670-11	CONNECTOR, BOARD TO BOARD 5P			
R793	1-249-404-00	CARBON	82	5%	1/4W F						
△ R794	1-215-868-00	METAL OXIDE	680	5%	1W F			< RESISTOR >			
R802	1-249-409-11	CARBON	220	5%	1/4W F						
R803	1-249-389-11	CARBON	4.7	5%	1/4W F	R111	1-249-415-11	CARBON	680	5%	1/4W
R804	1-216-833-11	METAL CHIP	10K	5%	1/10W	R112	1-247-831-11	CARBON	1K	5%	1/4W
R806	1-216-837-11	METAL CHIP	22K	5%	1/10W						
△ R910	1-240-877-11	FUSIBLE	0.15	5%	1/2W F			< ROTARY ENCODER >			
R3010	1-216-841-11	METAL CHIP	47K	5%	1/10W	RV103	1-418-817-11	ENCODER, ROTARY (- TUNING +)			
R3011	1-218-887-11	METAL CHIP	47K	0.5%	1/10W			< SWITCH >			
R3012	1-218-887-11	METAL CHIP	47K	0.5%	1/10W						
R3013	1-216-841-11	METAL CHIP	47K	5%	1/10W	S100	1-771-410-21	SWITCH, TACTILE (I/O)			
R3020	1-216-841-11	METAL CHIP	47K	5%	1/10W	S113	1-771-410-21	SWITCH, TACTILE (TUNING MODE)			
R3021	1-218-887-11	METAL CHIP	47K	0.5%	1/10W	S115	1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B+A+B))			
R3022	1-218-887-11	METAL CHIP	47K	0.5%	1/10W						
R3023	1-216-841-11	METAL CHIP	47K	5%	1/10W						
RR11	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)			STANDBY BOARD			
RR12	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)						
						1-533-217-41	HOLDER, FUSE (FH901,902)				
RR13	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)			< CAPACITOR >			
RR14	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)	C913	1-127-888-11	CERAMIC	0.1uF	10%	50V
RR15	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)	C914	1-127-888-11	CERAMIC	0.1uF	10%	50V
RR16	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)	C915	1-126-943-11	ELECT	2200uF	20%	25V
RR17	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)	C916	1-126-942-61	ELECT	1000uF	20%	25V
RR18	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)	C920	1-127-888-11	CERAMIC	0.1uF	10%	50V
						C921	1-127-888-11	CERAMIC	0.1uF	10%	50V
						C922	1-127-888-11	CERAMIC	0.1uF	10%	50V
						C924	1-126-960-11	ELECT	1uF	20%	50V
						C951	1-127-888-11	CERAMIC	0.1uF	10%	50V

STR-DG710

STANDBY **VIDEO**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C952	1-126-942-61	ELECT	1000uF 20% 25V			VIDEO BOARD	
C954	1-128-547-11	ELECT	6800uF 20% 16V			*****	
< CONNECTOR >							
* CNP802	1-564-509-11	PLUG, CONNECTOR 6P		C206	1-126-964-11	ELECT	10uF 20% 50V
* CNP804	1-564-506-11	PLUG, CONNECTOR 3P		C207	1-126-964-11	ELECT	10uF 20% 50V
* CNP805	1-564-506-11	PLUG, CONNECTOR 3P		C208	1-126-964-11	ELECT	10uF 20% 50V
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P		C209	1-126-964-11	ELECT	10uF 20% 50V
* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P		C210	1-126-947-11	ELECT	47uF 20% 35V
* CNP903	1-564-508-11	PLUG, CONNECTOR 5P		C213	1-126-947-11	ELECT	47uF 20% 35V
< DIODE >							
D901	8-719-991-33	DIODE 1SS133T-77		C214	1-127-888-11	CERAMIC	0.1uF 10% 50V
D910	8-719-043-76	DIODE AK04V0		C215	1-127-888-11	CERAMIC	0.1uF 10% 50V
D911	8-719-043-76	DIODE AK04V0		C220	1-126-947-11	ELECT	47uF 20% 35V
D912	8-719-043-76	DIODE AK04V0		C221	1-126-947-11	ELECT	47uF 20% 35V
D913	8-719-043-76	DIODE AK04V0		C223	1-135-799-11	CERAMIC	0.47uF 50V
D914	8-719-991-33	DIODE 1SS133T-77		C224	1-135-799-11	CERAMIC	0.47uF 50V
D915	8-719-991-33	DIODE 1SS133T-77		C308	1-126-964-11	ELECT	10uF 20% 50V
D920	6-500-522-11	DIODE 10EDB40-TA2B5		C309	1-126-964-11	ELECT	10uF 20% 50V
D921	6-500-522-11	DIODE 10EDB40-TA2B5		C310	1-126-964-11	ELECT	10uF 20% 50V
D922	6-500-522-11	DIODE 10EDB40-TA2B5		C311	1-126-964-11	ELECT	10uF 20% 50V
D923	6-500-522-11	DIODE 10EDB40-TA2B5		C312	1-126-964-11	ELECT	10uF 20% 50V
D924	8-719-043-76	DIODE AK04V0		C313	1-126-964-11	ELECT	10uF 20% 50V
< GROUND TERMINAL >							
G901	1-537-738-21	TERMINAL, GROUND (US,CND)		C314	1-126-964-11	ELECT	10uF 20% 50V
< TRANSISTOR >							
Q901	8-729-119-78	TRANSISTOR 2SC2785-HFE		C315	1-126-964-11	ELECT	10uF 20% 50V
Q921	8-729-119-78	TRANSISTOR 2SC2785-HFE		C316	1-126-964-11	ELECT	10uF 20% 50V
Q922	8-729-140-93	TRANSISTOR 2SB733-34		C330	1-127-888-11	CERAMIC	0.1uF 10% 50V
Q923	8-729-119-79	TRANSISTOR 2SC2785-FEK		C331	1-127-888-11	CERAMIC	0.1uF 10% 50V
< RESISTOR >							
△ R810	1-243-634-91	FUSIBLE	0.22 5%	1/2W F	< DIODE >		
△ R811	1-243-634-91	FUSIBLE	0.22 5%	1/2W F	< CONNECTOR >		
△ R901	1-219-237-91	SOLID	3.3M 20%	1/2W F (US,CND)	CNP202	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P
R902	1-247-871-11	CARBON	47K 5%	1/4W	* CNP203	1-564-507-11	PLUG, CONNECTOR 4P
R903	1-249-421-11	CARBON	2.2K 5%	1/4W	CNS206	1-568-826-11	CONNECTOR, FFC 7P
R904	1-249-381-11	CARBON	1 5%	1/4W F	< IC >		
R920	1-249-421-11	CARBON	2.2K 5%	1/4W	IC203	6-701-890-01	IC NJM2595D
R921	1-247-871-11	CARBON	47K 5%	1/4W	IC304	6-707-363-01	IC NJM2586AL
R922	1-247-863-11	CARBON	22K 5%	1/4W	IC804	8-759-245-79	IC TA79005S
R923	1-249-429-11	CARBON	10K 5%	1/4W	IC807	8-759-231-53	IC TA7805S
< RELAY >							
△ RY901	1-755-541-11	RELAY		< JACK >			
< TRANSFORMER >							
△ T902	1-437-312-11	TRANSFORMER, POWER (SUB) (US,CND)		J200	1-794-978-11	JACK, PIN 3P (SAT VIDEO IN,DVD VIDEO IN, VIDEO 1 VIDEO OUT)	
△ T902	1-437-313-11	TRANSFORMER, POWER (SUB) (EXCEPT US,CND)		J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)	

< RESISTOR >							
R200	1-247-804-11	CARBON		75	5%	1/4W	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description		Remark				
R201	1-247-804-11	CARBON	75	5%	1/4W	C115	1-216-864-11	SHORT CHIP	0					
R218	1-247-804-11	CARBON	75	5%	1/4W	C116	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
R219	1-247-804-11	CARBON	75	5%	1/4W	C117	1-216-864-11	SHORT CHIP	0					
R220	1-247-804-11	CARBON	75	5%	1/4W	C118	1-162-963-11	CERAMIC CHIP	680PF	10% 50V				
R221	1-247-804-11	CARBON	75	5%	1/4W	C119	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
R301	1-247-804-11	CARBON	75	5%	1/4W	C120	1-162-969-11	CERAMIC CHIP	0.0068uF	10% 25V				
R302	1-247-804-11	CARBON	75	5%	1/4W	C121	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
R303	1-247-804-11	CARBON	75	5%	1/4W	C122	1-112-100-11	ELECT	10uF	20% 50V				
R304	1-247-804-11	CARBON	75	5%	1/4W	C123	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
R305	1-247-804-11	CARBON	75	5%	1/4W	C124	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
R306	1-247-804-11	CARBON	75	5%	1/4W	C125	1-112-100-11	ELECT	10uF	20% 50V				
R307	1-247-804-11	CARBON	75	5%	1/4W	C126	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
R308	1-247-804-11	CARBON	75	5%	1/4W	C127	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
R309	1-247-804-11	CARBON	75	5%	1/4W	C128	1-162-969-11	CERAMIC CHIP	0.0068uF	10% 25V				
R310	1-247-804-11	CARBON	75	5%	1/4W	C129	1-162-963-11	CERAMIC CHIP	680PF	10% 50V				
R311	1-247-804-11	CARBON	75	5%	1/4W	C130	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
R312	1-247-804-11	CARBON	75	5%	1/4W	C131	1-162-919-11	CERAMIC CHIP	22PF	5% 50V				

VIDEO 3 BOARD														

< CAPACITOR >														
C293	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C135	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V				
C294	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C136	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
C298	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C137	1-126-964-11	ELECT	10uF	20% 50V				
C299	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C138	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
< CONNECTOR >														
CN201	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P				C139	1-126-964-11	ELECT	10uF	20% 50V				
* CN202	1-690-880-31	LEAD (WITH CONNECTOR)				C140	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
< JACK >														
J298	1-819-187-11	JACK, PIN 3P (VIDEO 3/PORTABLE AV IN VIDEO,AUDIO)				C142	1-126-964-11	ELECT	10uF	20% 50V				
< RESISTOR >														
R298	1-216-821-11	METAL CHIP	1K	5%	1/10W	C143	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
R299	1-216-821-11	METAL CHIP	1K	5%	1/10W	C144	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
< CONNECTOR >														
A-1267-502-A	XM BOARD, COMPLETE (US,CND)					C145	1-126-933-11	ELECT	100uF	20% 16V				

< CAPACITOR >														
C101	1-137-649-31	ELECT	220uF	20%	10V	C153	1-126-933-11	ELECT	100uF	20% 16V				
C102	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C157	1-107-823-11	CERAMIC CHIP	0.47uF	10% 16V				
C103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C159	1-137-649-31	ELECT	220uF	20% 10V				
C104	1-112-100-11	ELECT	10uF	20%	50V	C161	1-107-823-11	CERAMIC CHIP	0.47uF	10% 16V				
C105	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C163	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V				
< RESISTOR >														
R298	1-216-821-11	METAL CHIP	1K	5%	1/10W	C164	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V				
R299	1-216-821-11	METAL CHIP	1K	5%	1/10W	C165	1-162-910-11	CERAMIC CHIP	5PF	0.25PF 50V				
< CONNECTOR >														
CN101	1-568-828-11	CONNECTOR, FFC 9P				C166	1-162-910-11	CERAMIC CHIP	5PF	0.25PF 50V				
CN102	1-784-766-11	CONNECTOR, FFC 5P				C167	1-216-864-11	SHORT CHIP	0					
CNP103	1-779-978-11	PIN, CONNECTOR 3P				C168	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
< DIODE >														
D101	6-500-462-01	DIODE NSAD500F-T1B				C169	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V				
D103	8-719-083-02	DIODE KDS160-RTK				< CONNECTOR >								
< FERRITE BEAD >														
FB101	1-469-152-11	FERRITE, EMI (SMD) (2012)				FB104	1-469-152-11	FERRITE, EMI (SMD) (2012)						
< IC >														
IC101	6-705-468-01	IC BA33BC0FP-E2												
< IC >														

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
IC102	6-709-251-01	IC F2602E-01-TR		R154	1-216-809-11	METAL CHIP	100 5% 1/10W
IC104	8-759-710-97	IC NJM4565M-D		R156	1-216-811-11	METAL CHIP	150 5% 1/10W
IC105	6-707-111-01	IC PCM1753DBQR		R158	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
IC106	6-707-802-01	IC BA00CC0WT(-V5)		R160	1-216-864-11	SHORT CHIP	0
IC107	6-705-469-01	IC BA50BC0FP-E2		R162	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
		< CONNECTOR >		R163	1-218-344-11	METAL CHIP	7.5K 5% 1/10W
J101	1-793-642-21	CONNECTOR (USB) (4P), SQUARE (XM)		R170	1-216-864-11	SHORT CHIP	0
		< JUMPER RESISTOR >		R171	1-216-864-11	SHORT CHIP	0
JR101	1-216-296-11	SHORT CHIP	0	R172	1-216-864-11	SHORT CHIP	0
L101	1-216-295-11	SHORT CHIP	0	R173	1-216-864-11	SHORT CHIP	0
L102	1-216-295-11	SHORT CHIP	0				
		< TRANSISTOR >		R174	1-216-819-11	METAL CHIP	680 5% 1/10W
Q105	8-729-027-46	TRANSISTOR DTC114YKA-T146		R176	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q106	8-729-140-93	TRANSISTOR 2SB733-34					
		< RESISTOR >					
R101	1-216-845-11	METAL CHIP	100K 5% 1/10W	57	1-829-004-11	WIRE (FLAT TYPE) (19 CORE)	
R102	1-216-845-11	METAL CHIP	100K 5% 1/10W	101	1-828-953-11	WIRE (FLAT TYPE) (9 CORE) (EXCEPT AEP,UK)	
R103	1-216-833-11	METAL CHIP	10K 5% 1/10W	101	1-828-963-11	WIRE (FLAT TYPE) (11 CORE) (AEP,UK)	
R104	1-216-833-11	METAL CHIP	10K 5% 1/10W	102	1-828-957-11	WIRE (FLAT TYPE) (9 CORE)	
R107	1-216-809-11	METAL CHIP	100 5% 1/10W	104	1-828-935-11	WIRE (FLAT TYPE) (5 CORE) (US,CND)	
R108	1-216-809-11	METAL CHIP	100 5% 1/10W	105	1-828-946-11	WIRE (FLAT TYPE) (7 CORE)	
R109	1-216-841-11	METAL CHIP	47K 5% 1/10W	106	1-828-560-11	WIRE (FLAT TYPE) (7 CORE)	
R110	1-216-809-11	METAL CHIP	100 5% 1/10W	△ 109	1-777-071-83	CORD, POWER (AEP,UK,MY,SP)	
R112	1-216-833-11	METAL CHIP	10K 5% 1/10W	△ 109	1-783-820-11	CORD, POWER (US,CND)	
R113	1-216-864-11	SHORT CHIP	0	△ 109	1-833-566-21	CORD, POWER (AUS)	
R115	1-216-833-11	METAL CHIP	10K 5% 1/10W	△ 109	1-834-288-11	CORD, POWER (TH)	
R116	1-216-833-11	METAL CHIP	10K 5% 1/10W	△ F901	1-532-464-33	FUSE (2.5A/250V) (EXCEPT US,CND)	
R117	1-216-809-11	METAL CHIP	100 5% 1/10W	△ F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V) (US,CND)	
R118	1-216-841-11	METAL CHIP	47K 5% 1/10W	△ F4001	1-532-465-33	FUSE (3.15A/250V)	
R119	1-216-841-11	METAL CHIP	47K 5% 1/10W	△ F4002	1-532-465-33	FUSE (3.15A/250V)	
R120	1-216-834-11	METAL CHIP	12K 5% 1/10W				
R121	1-216-841-11	METAL CHIP	47K 5% 1/10W	Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
R122	1-216-841-11	METAL CHIP	47K 5% 1/10W	Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
R123	1-216-819-11	METAL CHIP	680 5% 1/10W	Q533	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
R124	1-216-832-11	METAL CHIP	8.2K 5% 1/10W	Q534	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
R125	1-216-813-11	METAL CHIP	220 5% 1/10W	Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
R126	1-216-845-11	METAL CHIP	100K 5% 1/10W	Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
R127	1-216-809-11	METAL CHIP	100 5% 1/10W	Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
R128	1-216-845-11	METAL CHIP	100K 5% 1/10W	Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
R129	1-216-809-11	METAL CHIP	100 5% 1/10W	Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
R130	1-216-809-11	METAL CHIP	100 5% 1/10W	Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
R131	1-216-809-11	METAL CHIP	100 5% 1/10W	Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
R132	1-216-832-11	METAL CHIP	8.2K 5% 1/10W	Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
R133	1-216-819-11	METAL CHIP	680 5% 1/10W	△ T901	1-439-550-21	TRANSFORMER, POWER (MAIN) (AEP,UK,AUS)	
R134	1-216-809-11	METAL CHIP	100 5% 1/10W	△ T901	1-439-583-11	TRANSFORMER, POWER (MAIN) (US,CND)	
R135	1-216-864-11	SHORT CHIP	0	△ T901	1-445-019-11	TRANSFORMER, POWER (MAIN) (MY,SP,TH)	
R137	1-216-834-11	METAL CHIP	12K 5% 1/10W	TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA) (US)	
R138	1-216-821-11	METAL CHIP	1K 5% 1/10W	TN1	1-693-733-11	TUNER (FM/AM) (ANTENNA) (CND)	
R143	1-216-809-11	METAL CHIP	100 5% 1/10W	TN1	1-693-735-11	TUNER (FM/AM) (ANTENNA) (AUS,MY,SP,TH)	
R144	1-216-821-11	METAL CHIP	1K 5% 1/10W	TN1	1-693-737-11	TUNER (FM/AM) (ANTENNA) (AEP,UK)	
R145	1-216-841-11	METAL CHIP	47K 5% 1/10W				
R146	1-216-841-11	METAL CHIP	47K 5% 1/10W				
R147	1-216-833-11	METAL CHIP	10K 5% 1/10W				
R152	1-216-809-11	METAL CHIP	100 5% 1/10W				

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
ACCESORIES			

1-480-098-11	STANDARD COMMANDER (RM-AAU014)	(including BATTERY LID)	
		(US,CND)	
1-480-099-11	STANDARD COMMANDER (RM-AAU015)	(including BATTERY LID)	
		(EXCEPT US,CND)	
1-501-374-12	ANTENNA, LOOP (AM)		
1-501-807-12	ANTENNA (FM) (EXCEPT US,CND)		
1-542-670-11	MEASUREMENT MIC (MONO) (ECM-AC2)		
△			
1-770-019-61	ADAPTOR, CONVERSION PLUG (UK)		
1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM) (US,CND)		
2-898-637-11	MANUAL, INSTRUCTION (ENGLISH) (US,CND)		
2-898-637-21	MANUAL, INSTRUCTION (FRENCH) (CND)		
2-898-637-31	MANUAL, INSTRUCTION (ENGLISH) (EXCEPT US,CND)		
2-898-637-41	MANUAL, INSTRUCTION (FRENCH) (AEP,MY,SP,TH)		
2-898-637-51	MANUAL, INSTRUCTION (SPANISH) (AEP,MY,SP,TH)		
2-898-637-61	MANUAL, INSTRUCTION (GERMAN,DUTCH, SWEDISH) (AEP)		
2-898-637-71	MANUAL, INSTRUCTION (ITALIAN, POLISH) (AEP)		
2-898-637-81	MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (MY,SP,TH)		
2-898-638-11	MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP)		
2-898-638-21	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)		
2-898-638-31	MANUAL, INSTRUCTION (RUSSIAN) (AEP)		
2-898-638-41	MANUAL, INSTRUCTION (GREEK) (AEP)		
2-898-638-51	MANUAL, INSTRUCTION (TURKISH) (AEP)		
2-898-638-61	MANUAL, INSTRUCTION (HUNGARIAN, CZECH) (AEP)		
2-898-638-71	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)		

REVISION HISTORY

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