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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XM is a registered trademark of XM Satellite Radio Inc.

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, CND [1)]
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 Power [2)] (8 ohms, 1 kHz, THD 10%)
140 W/ch

Models of area code AEP, UK, AUS [3)]
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 Power [2)] (8 ohms, 1 kHz, THD 10%)
140 W/ch

Models of area code SP, MY, TH [3)]
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 Power [2)] (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/N [4)] : 96 dB (A, 500 mV [5)])
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 I/⏻. 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 ⚠ OR DOTTED LINE WITH MARK ⚠ 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 ⚠ 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)

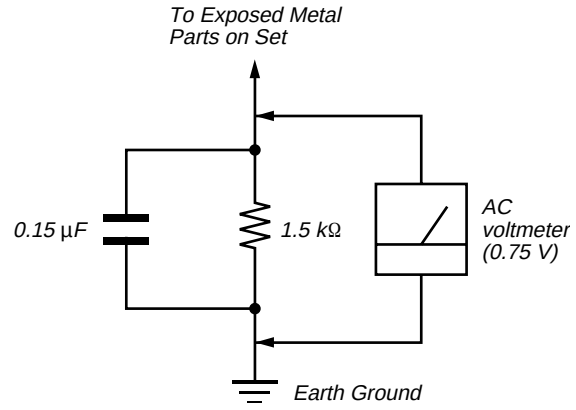


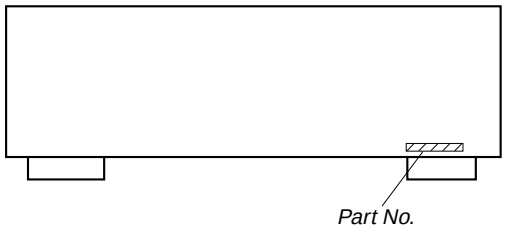
Fig. A. Using an AC voltmeter to check AC leakage.

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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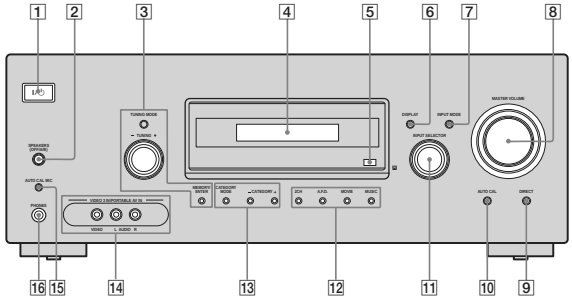
SECTION 1
GENERAL

This section is extracted from instruction manual.

• US, Canadian MODEL

Description and location of parts

Front panel



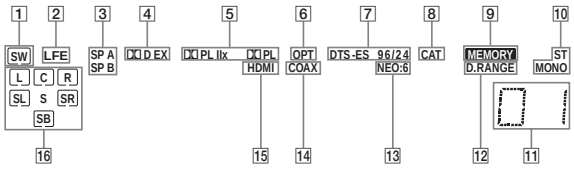
Name	Function
1 **I/⏻ (on/standby)**	Press to turn the receiver on or off (page 26, 34, 35, 55, 82).
2 **SPEAKERS (OFF/A/B)**	Press to select the front speaker system (page 27).
3 **TUNING MODE** **TUNING +/–** **MEMORY/ ENTER**	Press or turn to operate the tuner (FM/AM/XM) (page 55).
4 **Display**	The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

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

continued

Name	Function
12 **2CH** **A.F.D.** **MOVIE** **MUSIC**	Press to select a sound field (page 49).
13 **CATEGORY MODE** **CATEGORY +/–**	Used when listening to XM Radio (page 60).
14 **VIDEO 3 IN/ PORTABLE AV IN jacks**	Connects to a portable audio/ video component such as a camcorder or video game (page 24, 33).
15 **AUTO CAL MIC jack**	Connects to the supplied optimizer microphone for the Auto Calibration function (page 28).
16 **PHONES jack**	Connects to headphones (page 78).

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 **D D/ D D EX**	"D D" lights up when the receiver is decoding Dolby Digital signals. "D 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 "AN ALOG" (page 67).

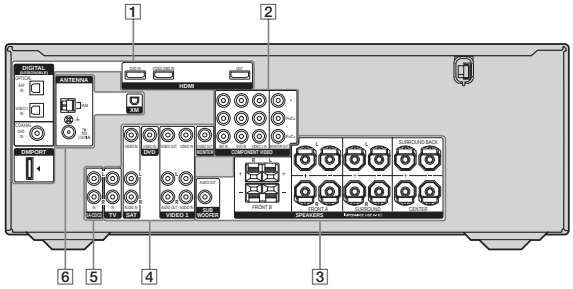
Name	Function
5 **D D PL/ D D PLII/ D D PLIIx**	"D D PL" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "D D PLII" lights up when the Pro Logic II Movie/Music/ Game decoder is activated. "D D PLIIx" lights up when 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. **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 "AUT O 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).

continued

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. **Note** When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "AN ALOG" (page 67).
8 **CAT**	Lights up when "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 "AUT O 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 SW L C R SL SR

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

Green (Y) / Blue (PB/CB) / Red (PR/CR)	COMPONENT VIDEO INPUT/ OUTPUT jacks*	Connects to a DVD player, TV, or a satellite tuner. You can enjoy high quality image (page 20–23).

3 SPEAKERS section

	Connects to speakers (page 15).
	Connects to a sub woofer (page 15).

4 VIDEO/AUDIO INPUT/OUTPUT section

White (L) / Red (R)	AUDIO IN/ OUT jacks	Connects to a VCR, a DVD player, etc. (page 20–24).
Yellow	VIDEO IN/ OUT jacks*	

5 AUDIO INPUT section

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

continued

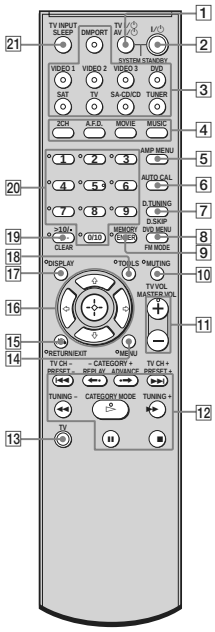
6 ANTENNA section

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

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 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 +a)/–**	Press TV VOL +/– and TV (13) at the same time to adjust the TV volume level.
MASTER VOL +a)/–	Press to adjust the volume level of all speakers at the same time.
12 **I◄◄ /►►I 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

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.
II b)	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.
CATEGORY +/–	Press to select the category for XM Radio (page 63).
PRESET +/–	Press to select – preset stations. – preset channels of the VCR or satellite tuner.
TUNING +/–	Press to scan a station.
CATEGORY MODE	Press to select the category mode for XM Radio (page 63).
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 ↑, ↓, ←, → and ⊕ (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 ↑, ↓, ← 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.

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.

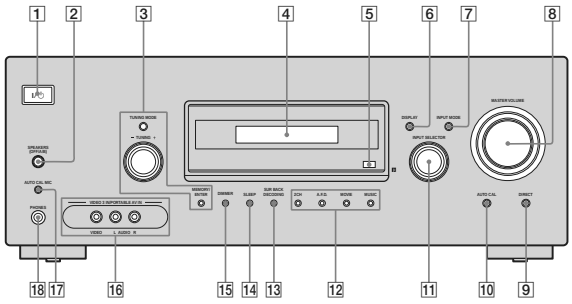
Notes

- 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.

• EXCEPT US, Canadian MODEL

Description and location of parts

Front panel

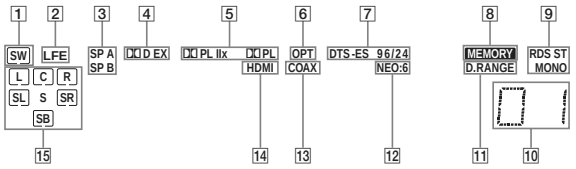


Name		Function
1	**I/⏻ (on/standby)**	Press to turn the receiver on or off (page 25, 33, 34, 54).
2	**SPEAKERS (OFF/A/B)**	Press to select the front speaker system (page 26).
3	**TUNING MODE**	Press or turn to operate the tuner (FM/AM) (page 54).
	TUNING +/–	
	MEMORY/ ENTER	
4	**Display**	The current 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**	Press to select a sound field (page 48).
	A.F.D.	
	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



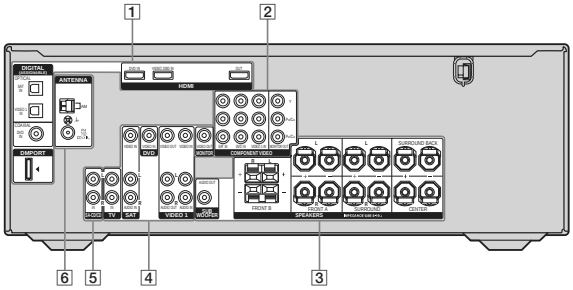
Name	Function
1 **SW**	Lights up when sub woofer selection is set to "YES" (page 44) and the audio signal is output from the SUB WOOFER jack.
2 **LFE**	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 **SP 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 **PL/ PLII/ PLIIx**	"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" lights up when the Pro Logic II Movie/Music/ Game decoder is activated. "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. **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).
8 **MEMORY**	Lights up when a memory function, such as Preset Memory (page 56), etc., is activated.
9 **Tuner indicators**	Lights up when using the receiver to tune in radio stations (page 54), etc. **Note** "RDS" appears for models of area code CEL, CEK only.
10 **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 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 (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 38) Sound Field: A.F.D. AUTO SW L C R SL SR

Rear panel



1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN jacks	Connects to a DVD player, etc. The COAXIAL jack provides a better quality of loud 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).
	DMPORT jack	Connects to a DIGITAL MEDIA PORT adapter (page 62).

2 COMPONENT VIDEO INPUT/ OUTPUT section

Green (Y) Blue (PB/CB) Red (PR/CR)	COMPONENT VIDEO INPUT/ OUTPUT jacks*	Connects to a DVD player, TV, or a satellite tuner. You can enjoy high quality image (page 19 – 22).

3 SPEAKERS section

	Connects to speakers (page 14).
	Connects to a sub woofer (page 14).

4 VIDEO/AUDIO INPUT/OUTPUT section

White (L) Red (R)	AUDIO IN/ OUT jacks	Connects to a VCR, a DVD player, etc. (page 19 – 23).
Yellow	VIDEO IN/ OUT jacks*	

5 AUDIO INPUT section

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

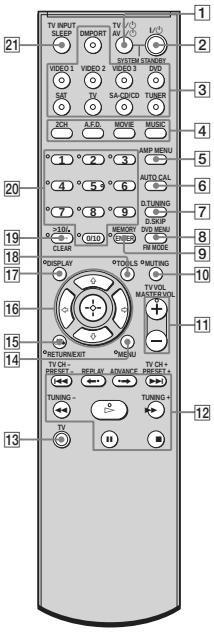
6 ANTENNA section

	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).



continued

Name	Function
1 **TV I/⏻ (on/standby)**	Press TV I/⏻ and TV (13) at the same time to turn the TV on or off.
AV I/⏻ (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/⏻ (2) at the same time, it will turn off the receiver and other components (SYSTEM STANDBY). **Note** The function of the AV I/⏻ switch changes automatically each time you press the input buttons (3).
2 **I/⏻ (on/standby)**	Press to turn the receiver on or off. To turn off all components, press I/⏻ and AV I/⏻ (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

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 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 +[a]/–**	Press TV VOL +/– and TV (13) at the same time to adjust the TV volume level.
MASTER VOL +[a]/–	Press to adjust the volume level of all speakers at the same time.
12 **I◄◄ /►►I[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
◄◄/►►[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.
II[b]	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 ↑, ↓, ←, → and ⊕ (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 ↑, ↓, ← 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.

continued

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.

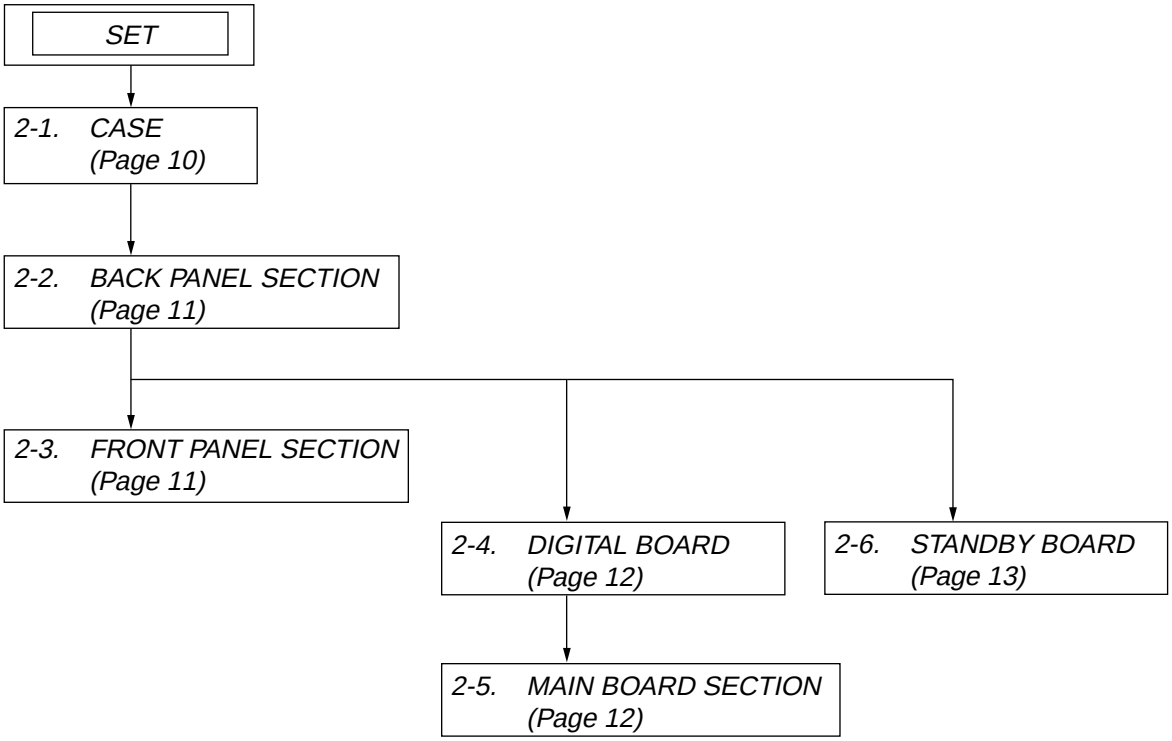
[b] This button is also available for DIGITAL MEDIA PORT adapter operation. For details on the function of the button, refer to the operating instructions supplied with the DIGITAL MEDIA PORT adapter.

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.

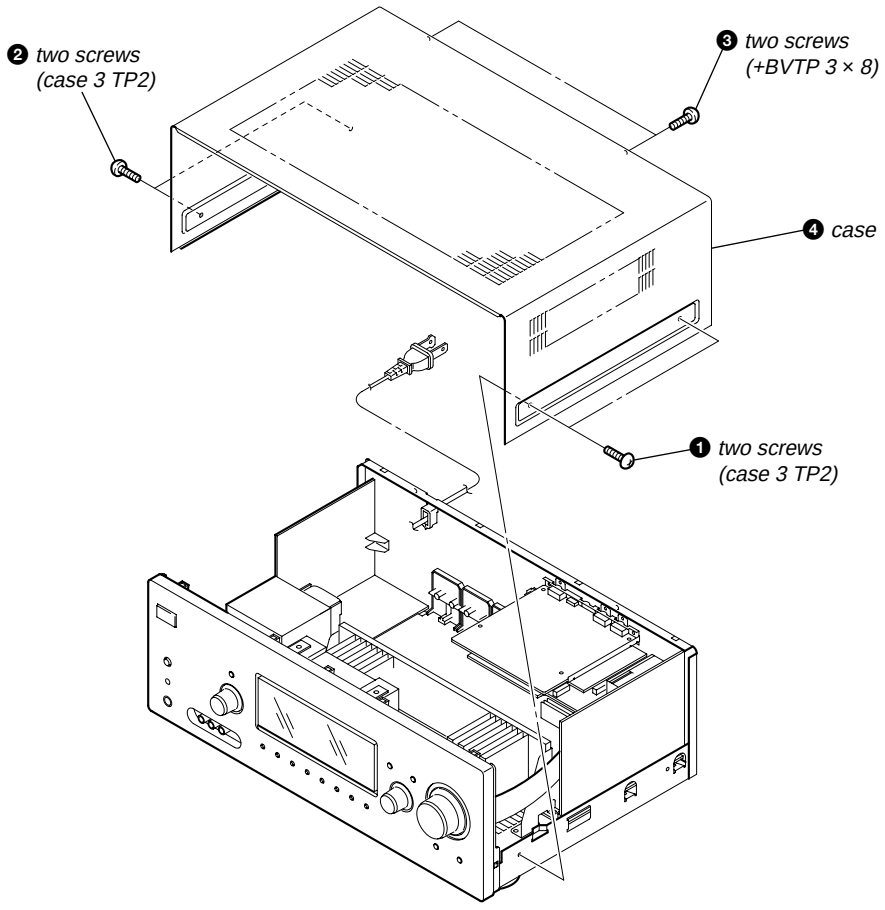
SECTION 2
DISASSEMBLY

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

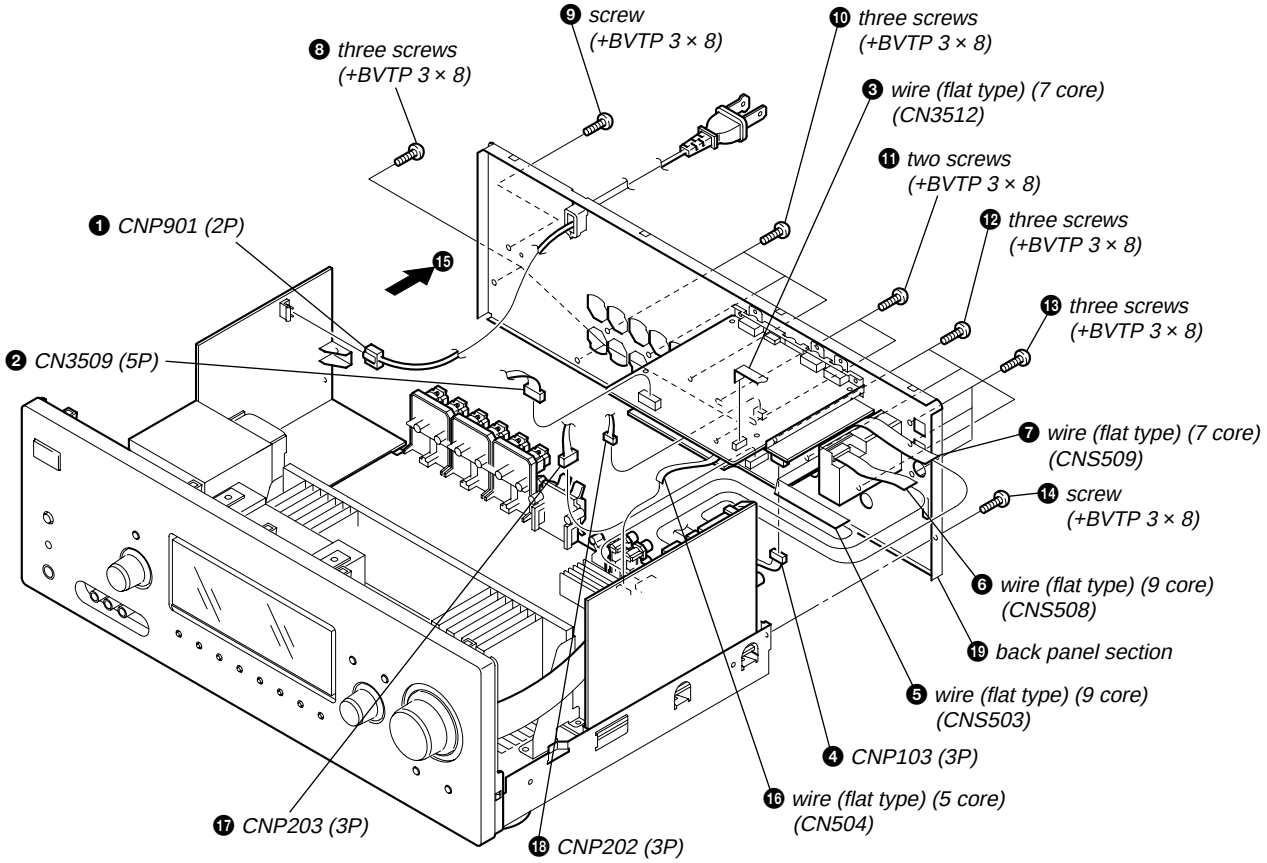


Note : Follow the disassembly procedure in the numerical order given.

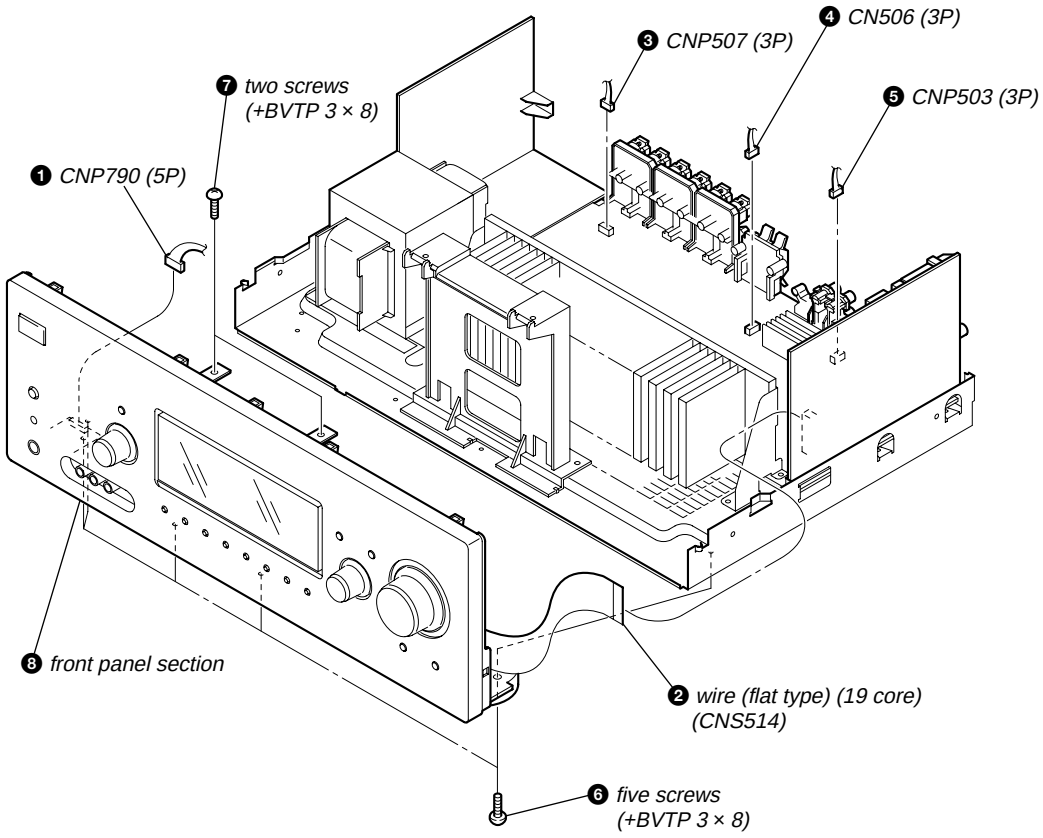
2-1. CASE



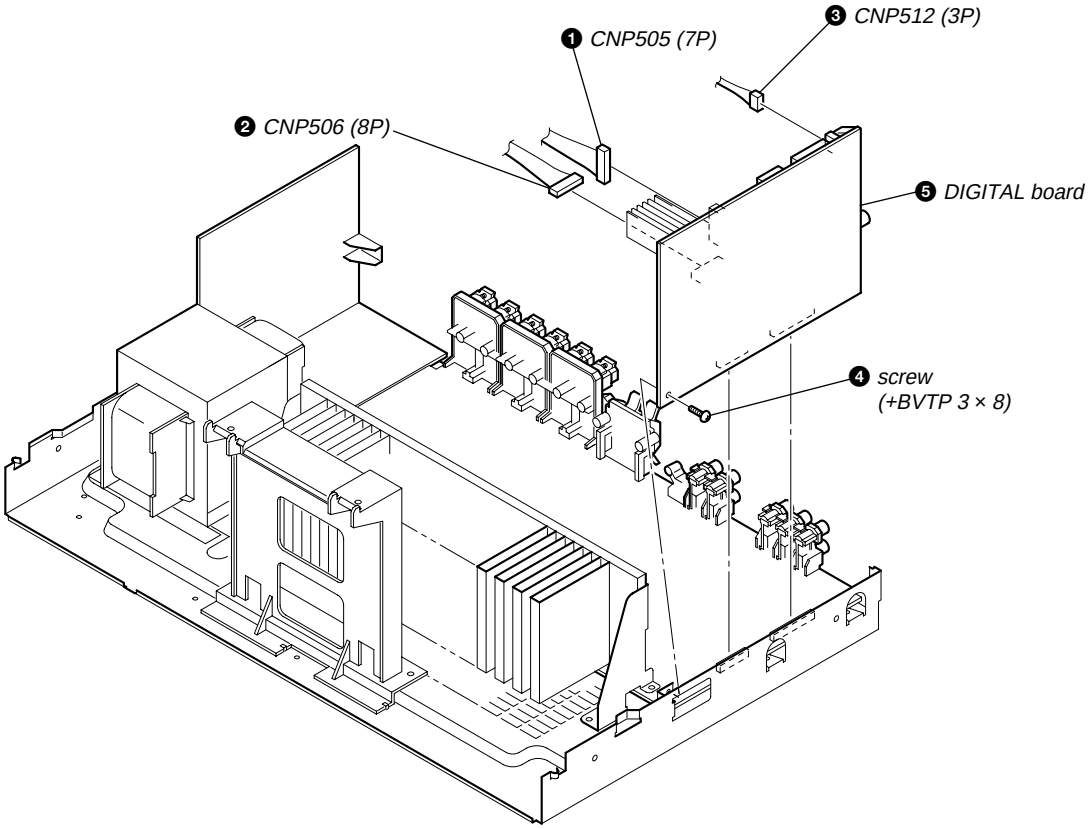
2-2. BACK PANEL SECTION



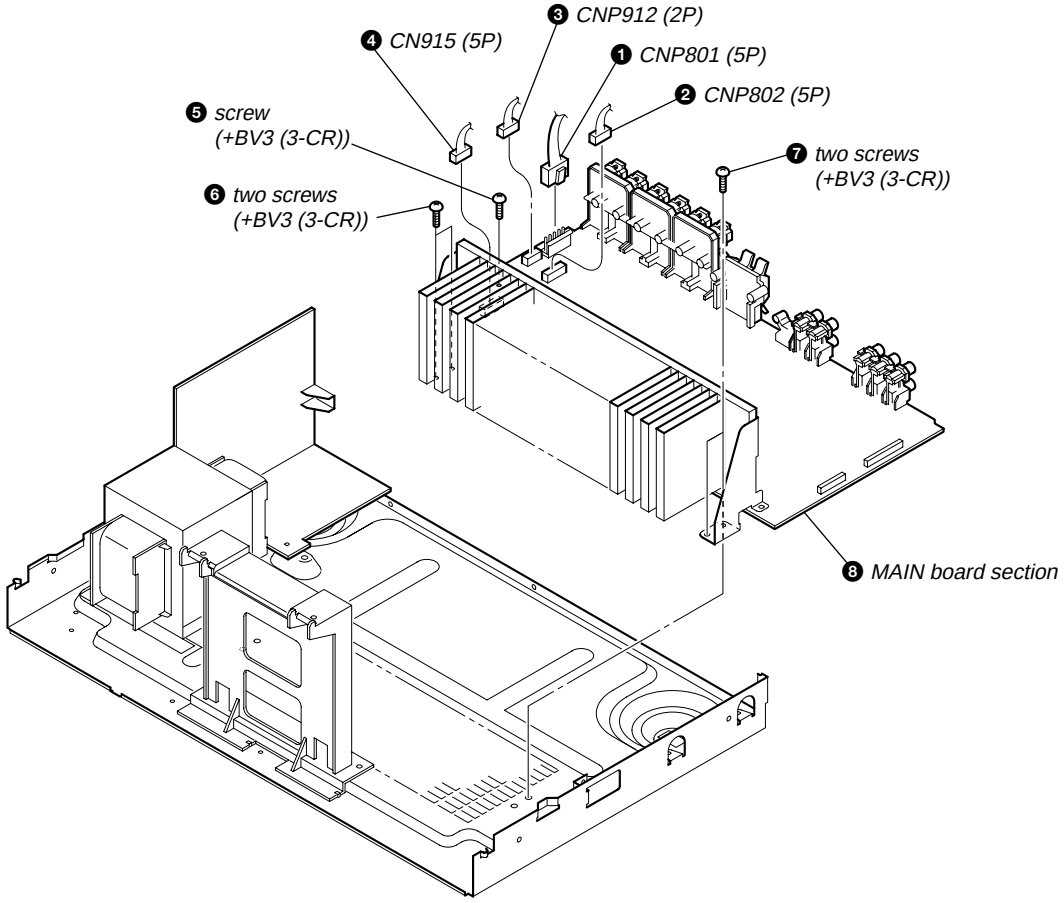
2-3. FRONT PANEL SECTION



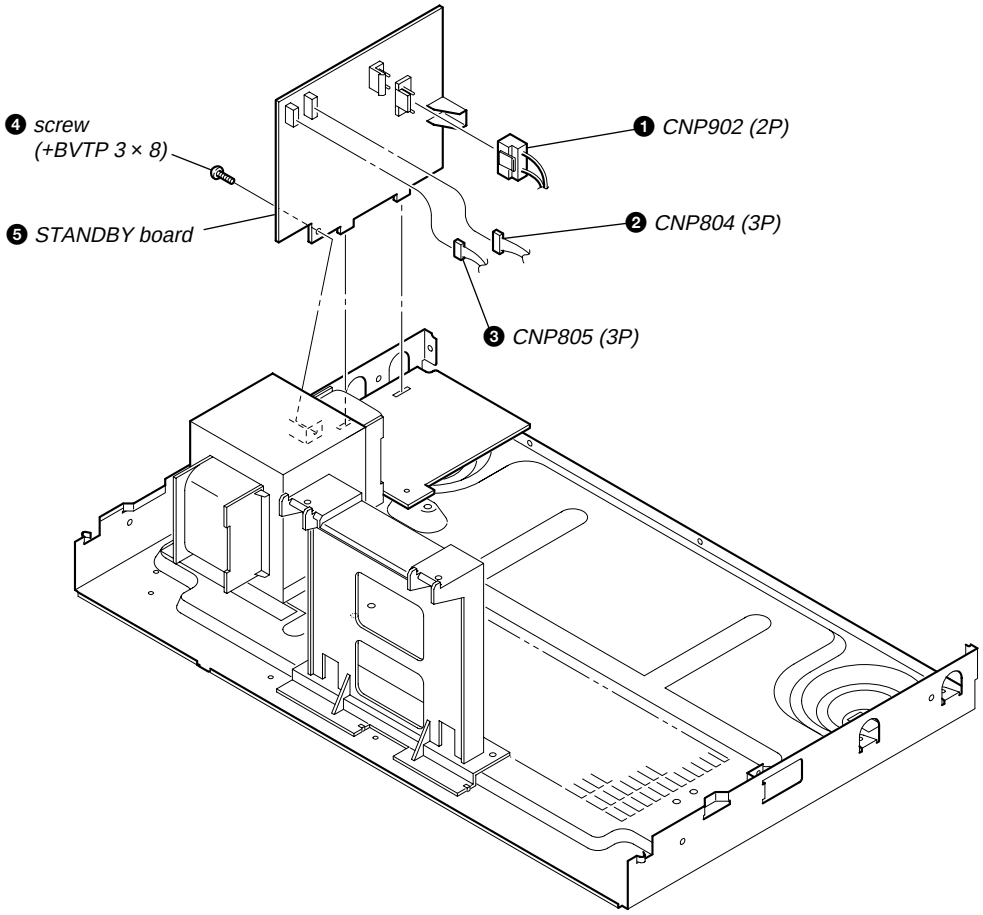
2-4. DIGITAL BOARD



2-5. MAIN BOARD SECTION



2-6. STANDBY BOARD



SECTION 3
TEST MODE

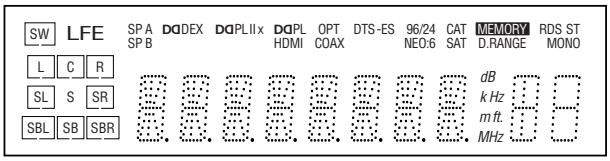
AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

* 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/⏻] button to turn off the main power.
  While depressing the [TUNING MODE] button, press the [I/⏻] button to turn on the main power.
  Either the message “9k STEP” or “10k STEP” appears for a moment and select the desired step.

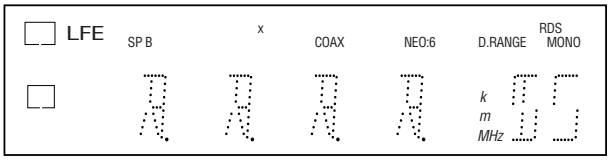
VACUUM FLUORESCENT DISPLAY TEST MODE

* 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/⏻] button to turn on the main power.

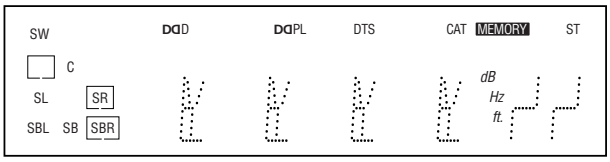
1. ALL segments light on.



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/⏻] 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/⏻] 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/⏻] button to turn on the main power.
  Either the message “REST 14” appears.
  Every pressing of any button other than the [I/⏻] 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/⏻] 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.

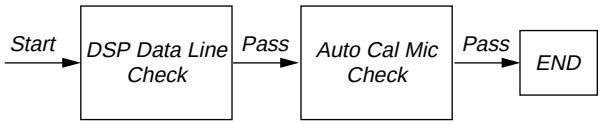
* Procedure:

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

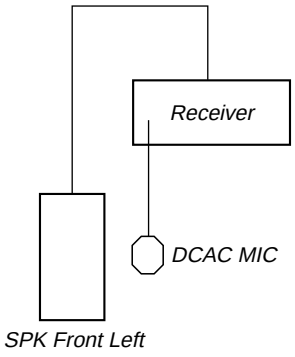
DCAC FACTORY TEST MODE

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/⏻].
   “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)

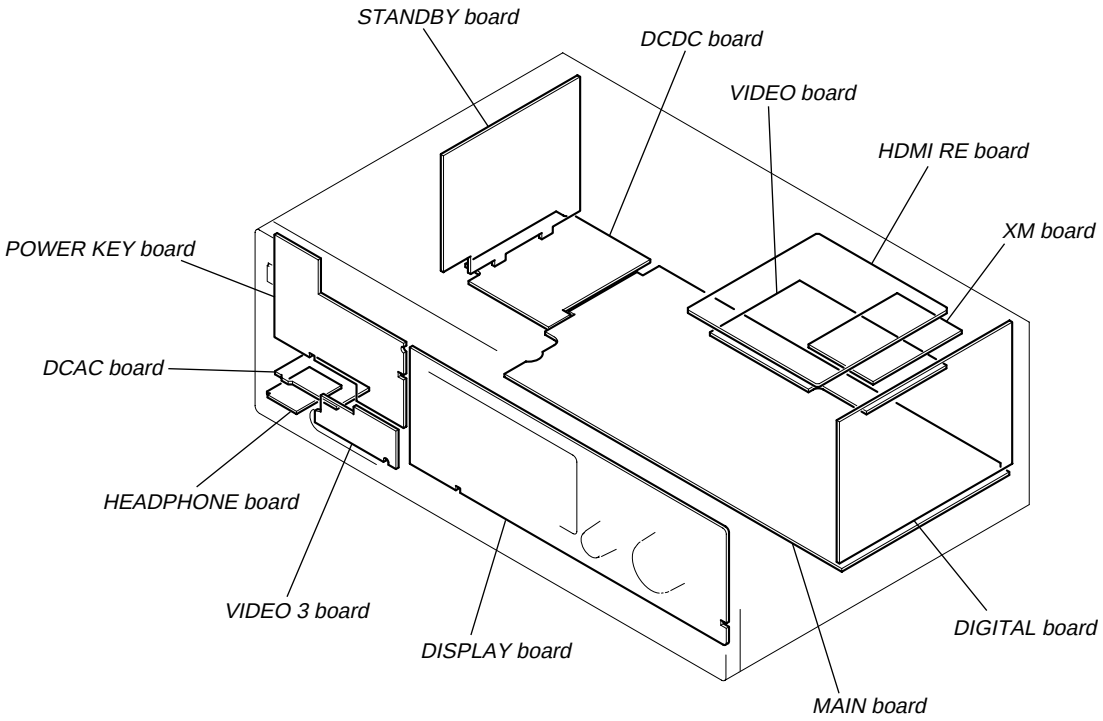
(Note)
Please use 75 ohm "coaxial cable" to connect SG and the set. You cannot use video cable for checking.
Please use SG whose output impedance is 75 ohm.

(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.

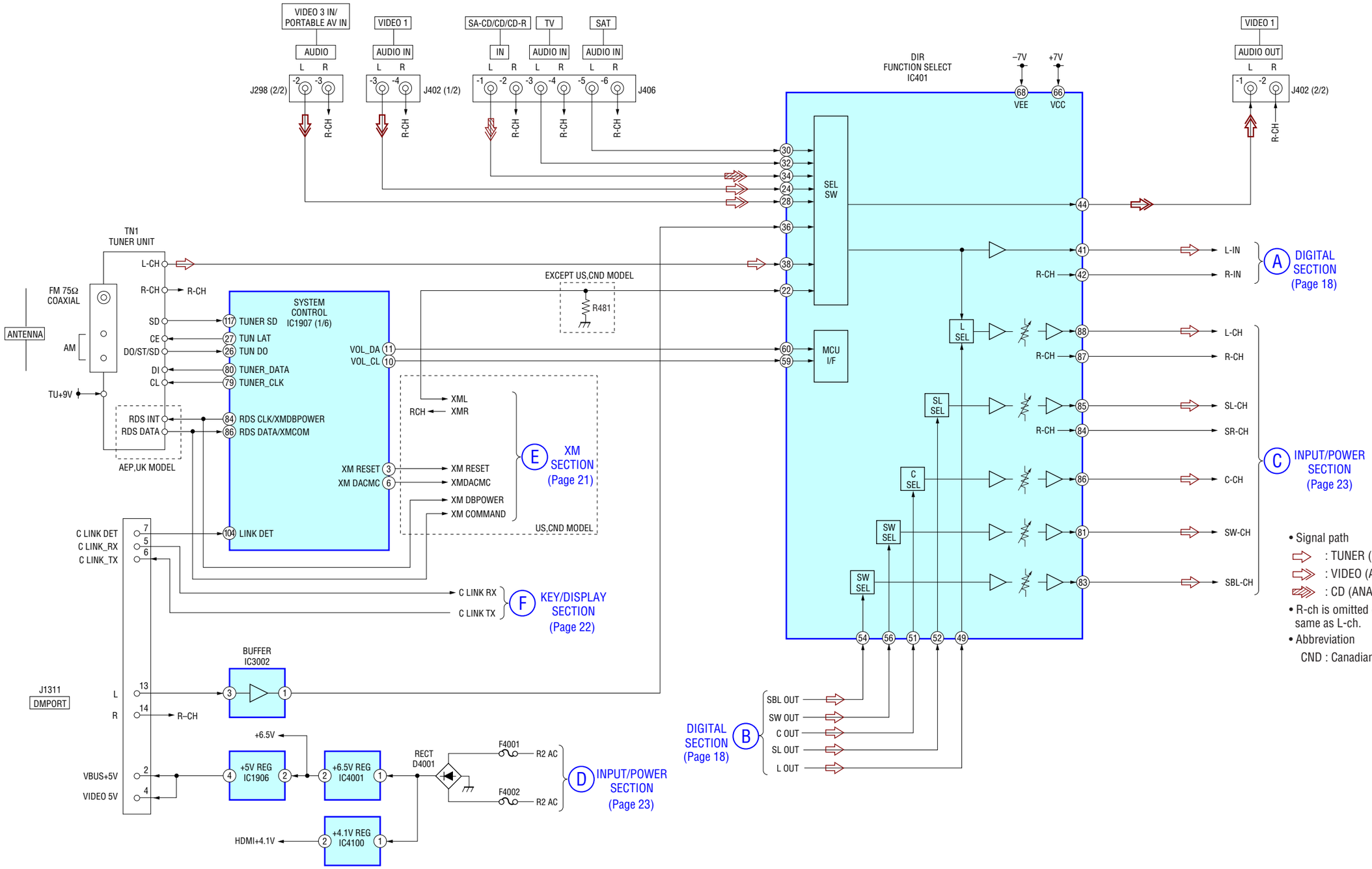
The stop of automatic scanning means "The station signal is received in good condition."

SECTION 5
DIAGRAMS

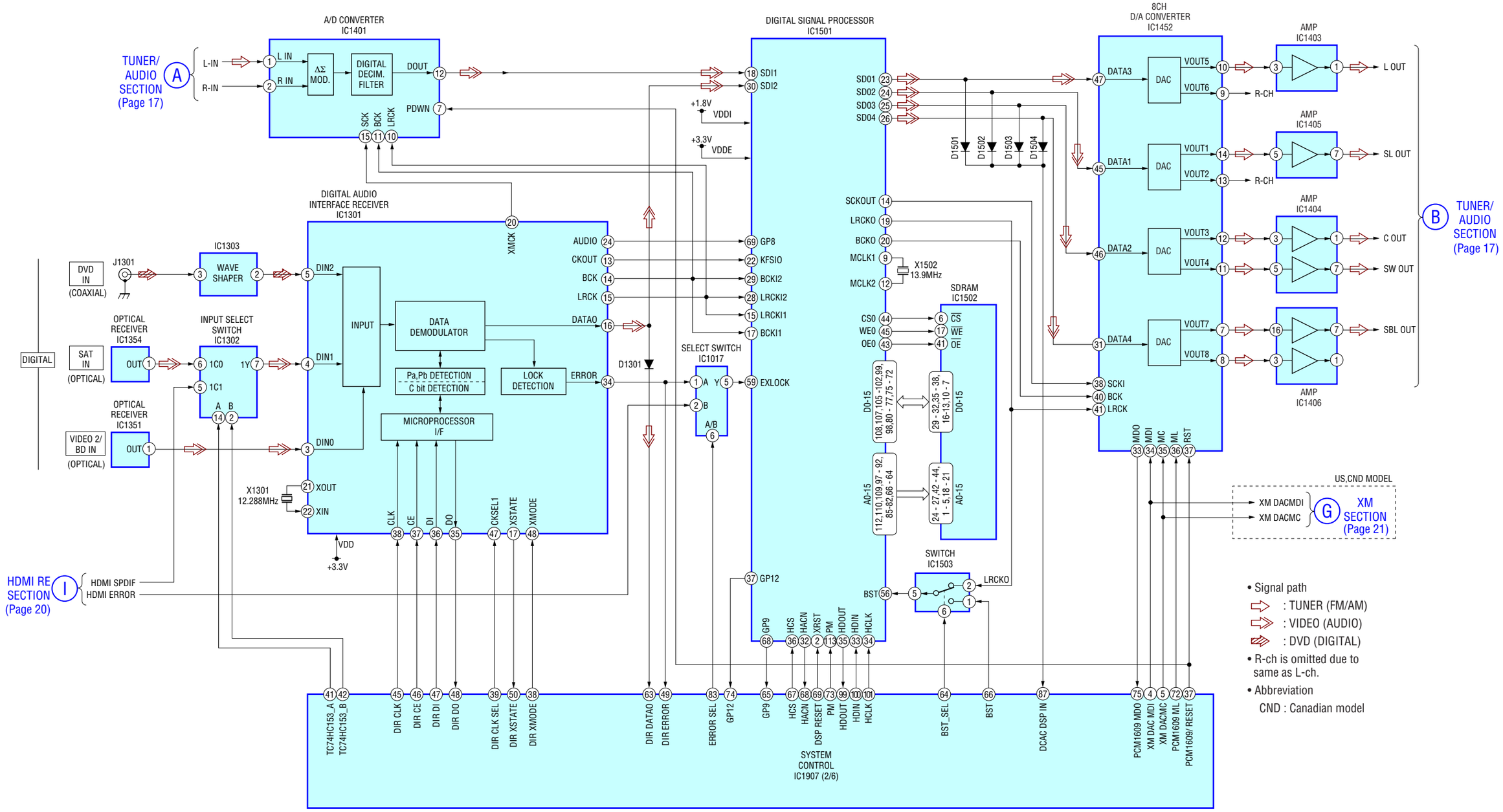
5-1. CIRCUIT BOARDS LOCATION



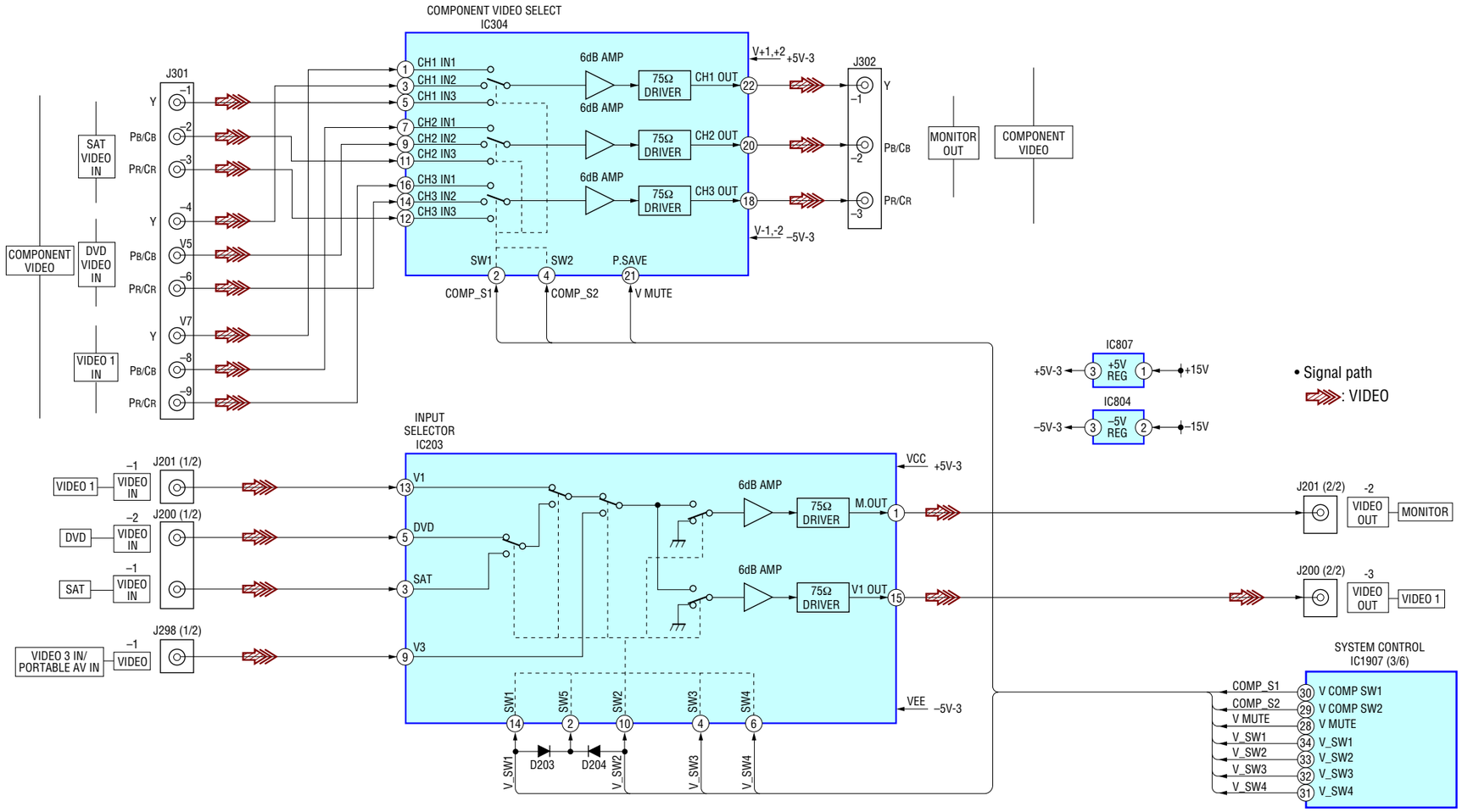
5-2. BLOCK DIAGRAM — TUNER/AUDIO SECTION —



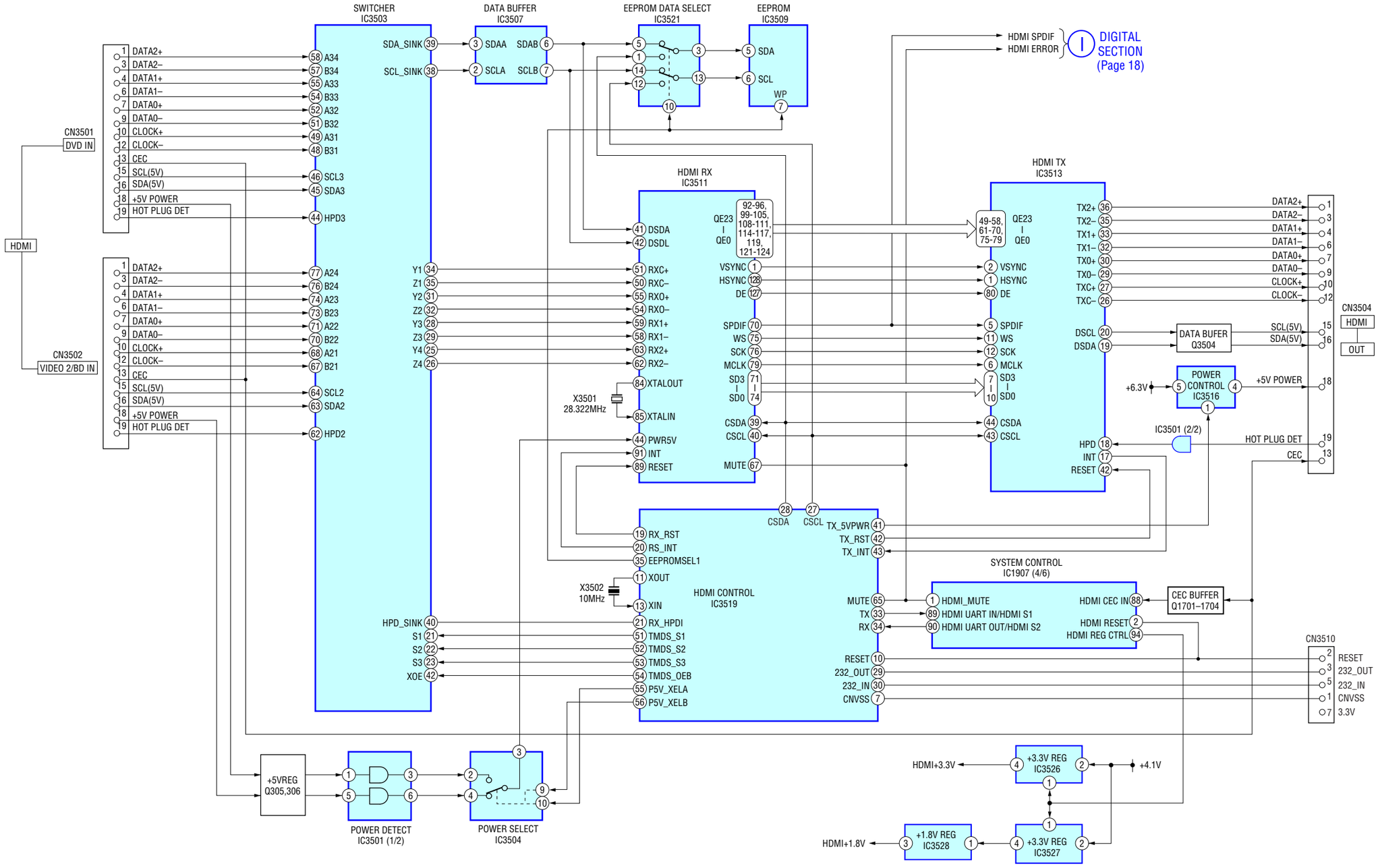
5-3. BLOCK DIAGRAM — DIGITAL SECTION —



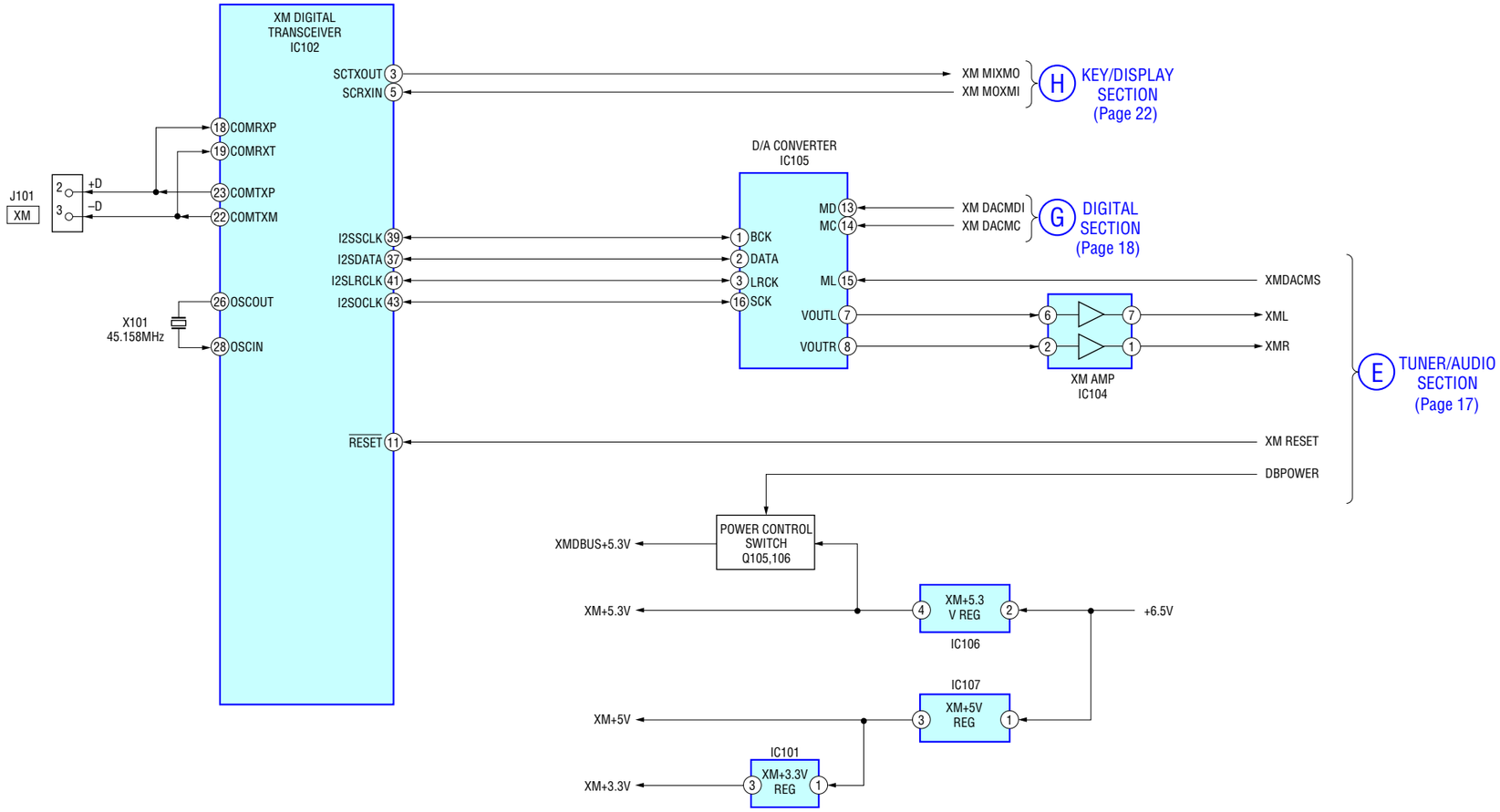
5-4. BLOCK DIAGRAM — VIDEO SECTION —



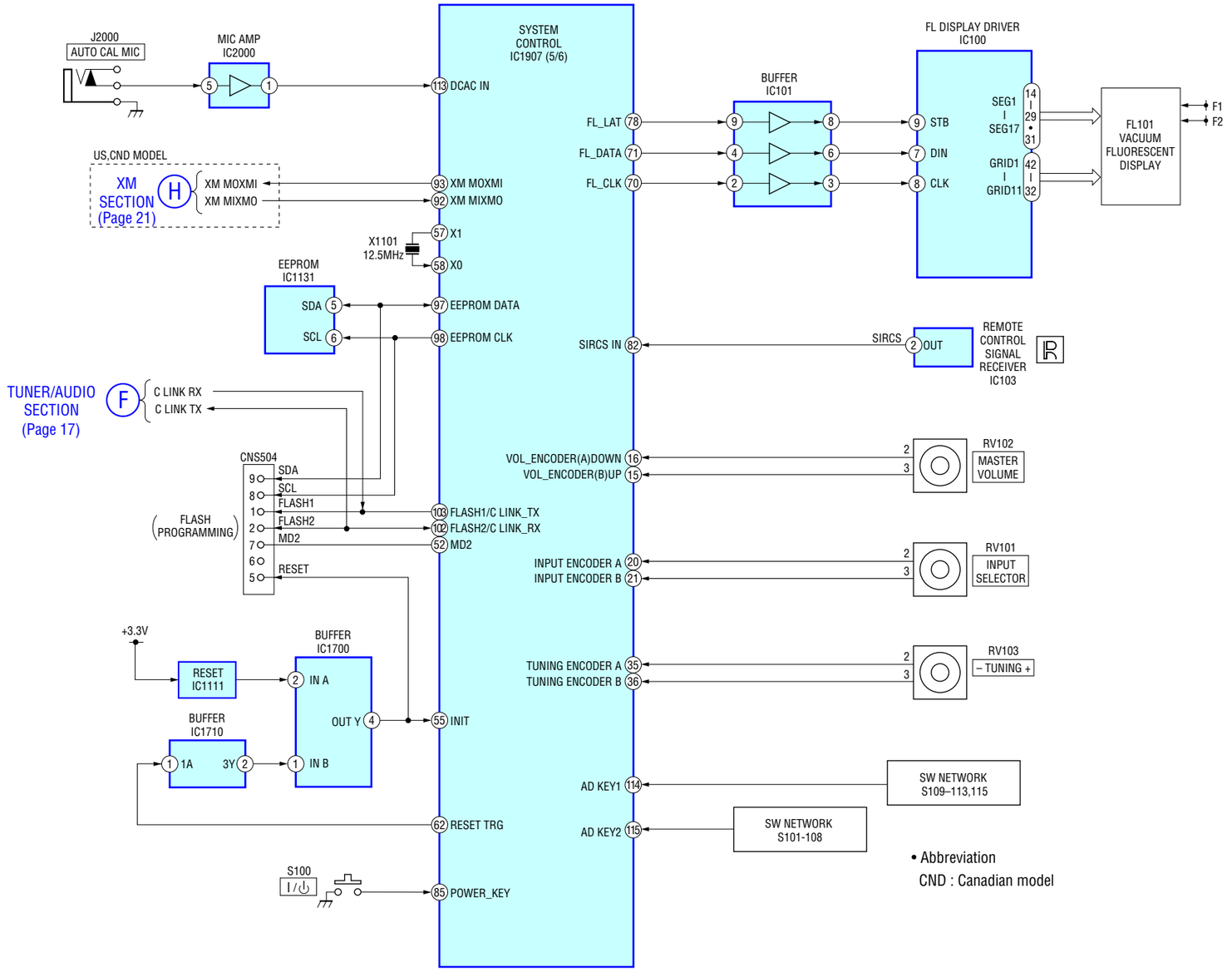
5-5. BLOCK DIAGRAM — HDMI RE SECTION —



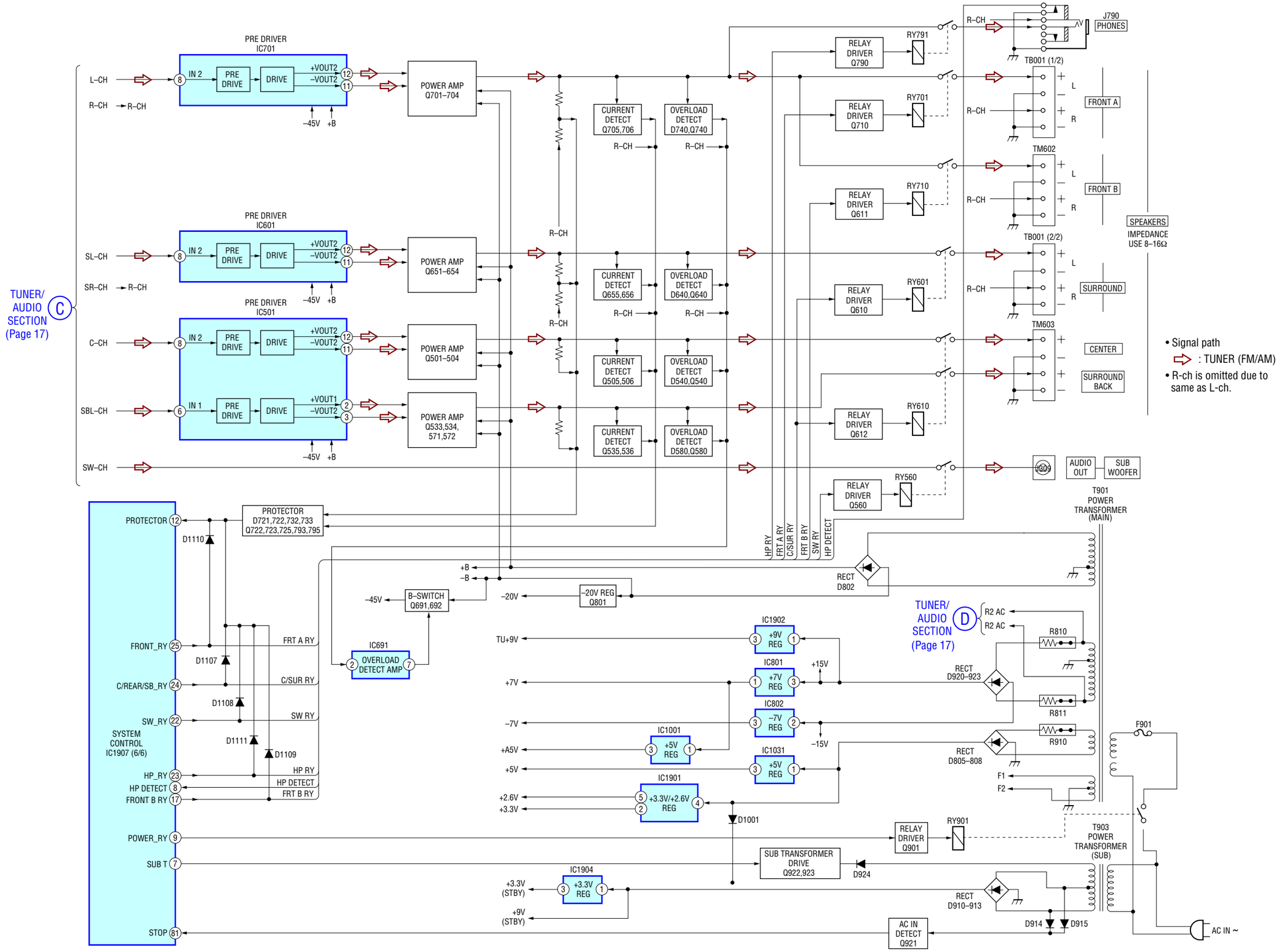
5-6. BLOCK DIAGRAM — XM SECTION — • US, Canadian model only.



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 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

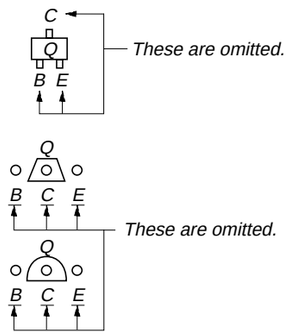
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : 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 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a 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.
- △ : internal component.
- : Pattern from the side which enables seeing.

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



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

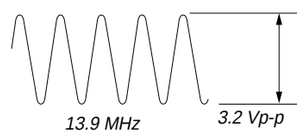
• Waveforms

— DIGITAL Board —

① IC1301 ⑬ (CKOUT)

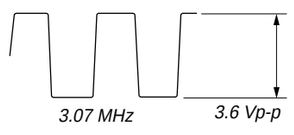
1 V/DIV, 50 nsec/DIV

⑤ IC1501 ⑫ (MCLK2)



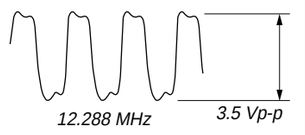
1 V/DIV, 50 nsec/DIV

② IC1301 ⑭ (BCK)



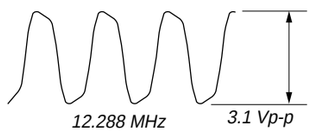
1 V/DIV, 0.2 µs/DIV

⑥ IC1501 ⑭ (SCKOUT)



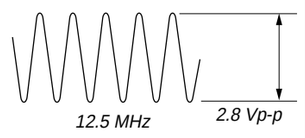
1 V/DIV, 50 nsec/DIV

③ IC1301 ㉑ (XOUT)



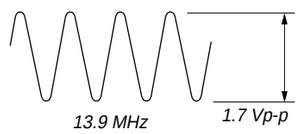
1 V/DIV, 50 nsec/DIV

⑦ IC1907 ㊼ (X1)



1 V/DIV, 50 nsec/DIV

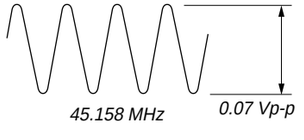
④ IC1501 ⑨ (MCLK1)



1 V/DIV, 50 nsec/DIV

— XM Board —

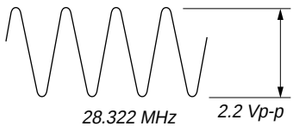
① IC102 ㉖ (OSCOUT)



0.05 V/DIV, 0.2 µsec/DIV

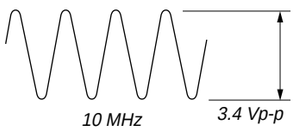
— HDMI RE Board —

① IC3511 ㉞ (XTALOUT)



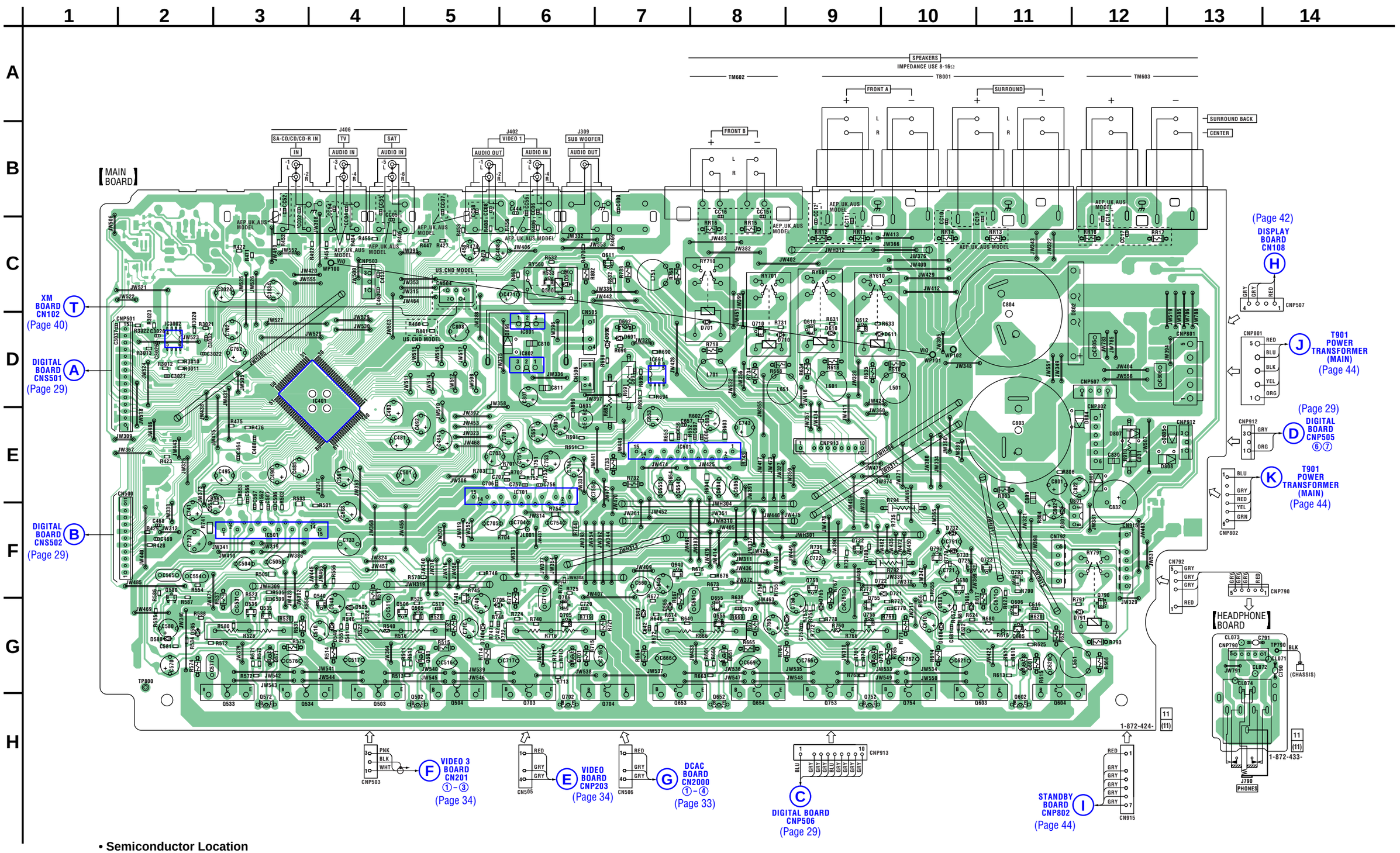
1 V/DIV, 20 nsec/DIV

② IC3519 ⑪ (XOUT)



1 V/DIV, 50 nsec/DIV

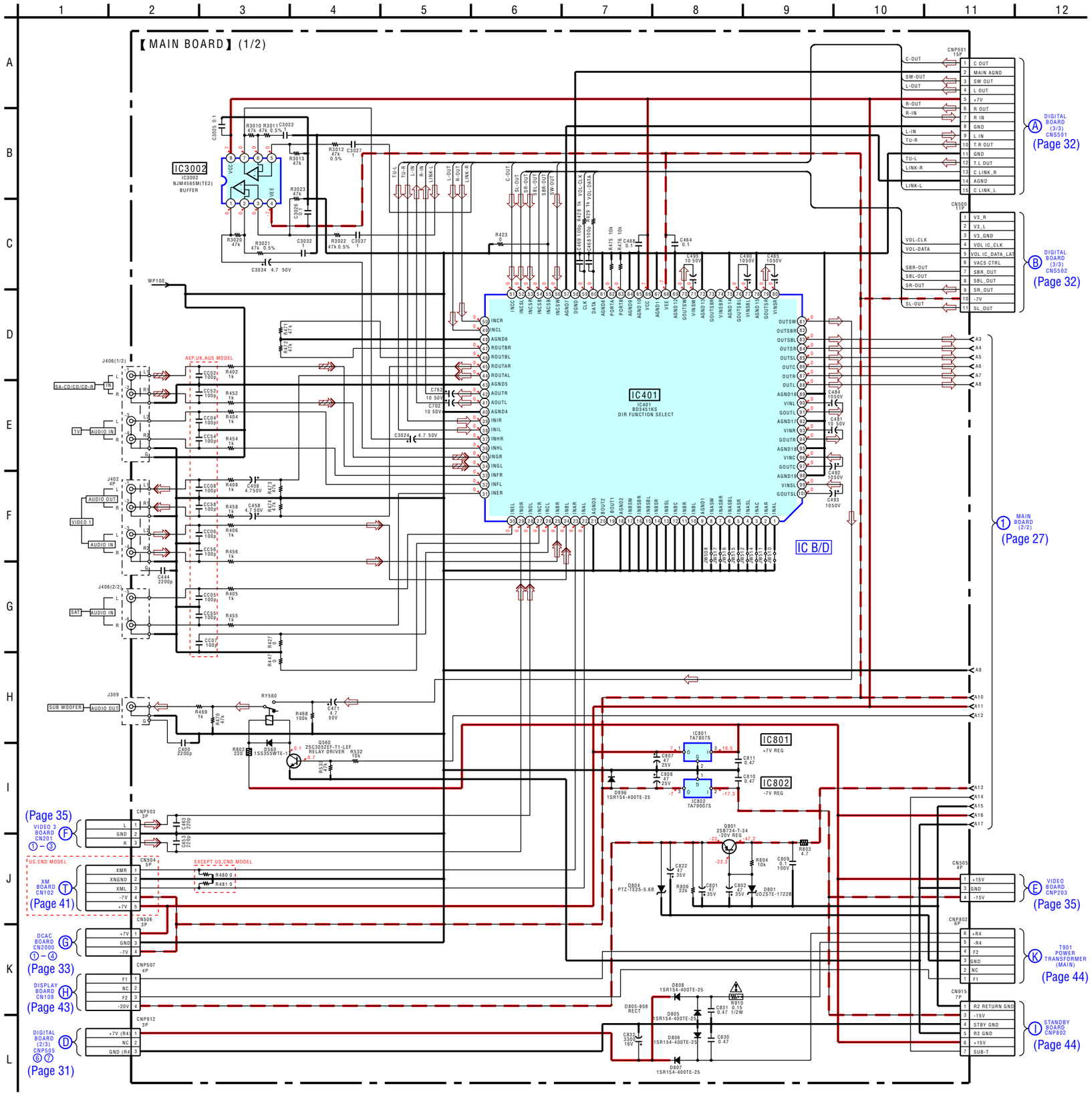
5-9. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 16 for Circuit Boards Location. : Uses unleaded solder.



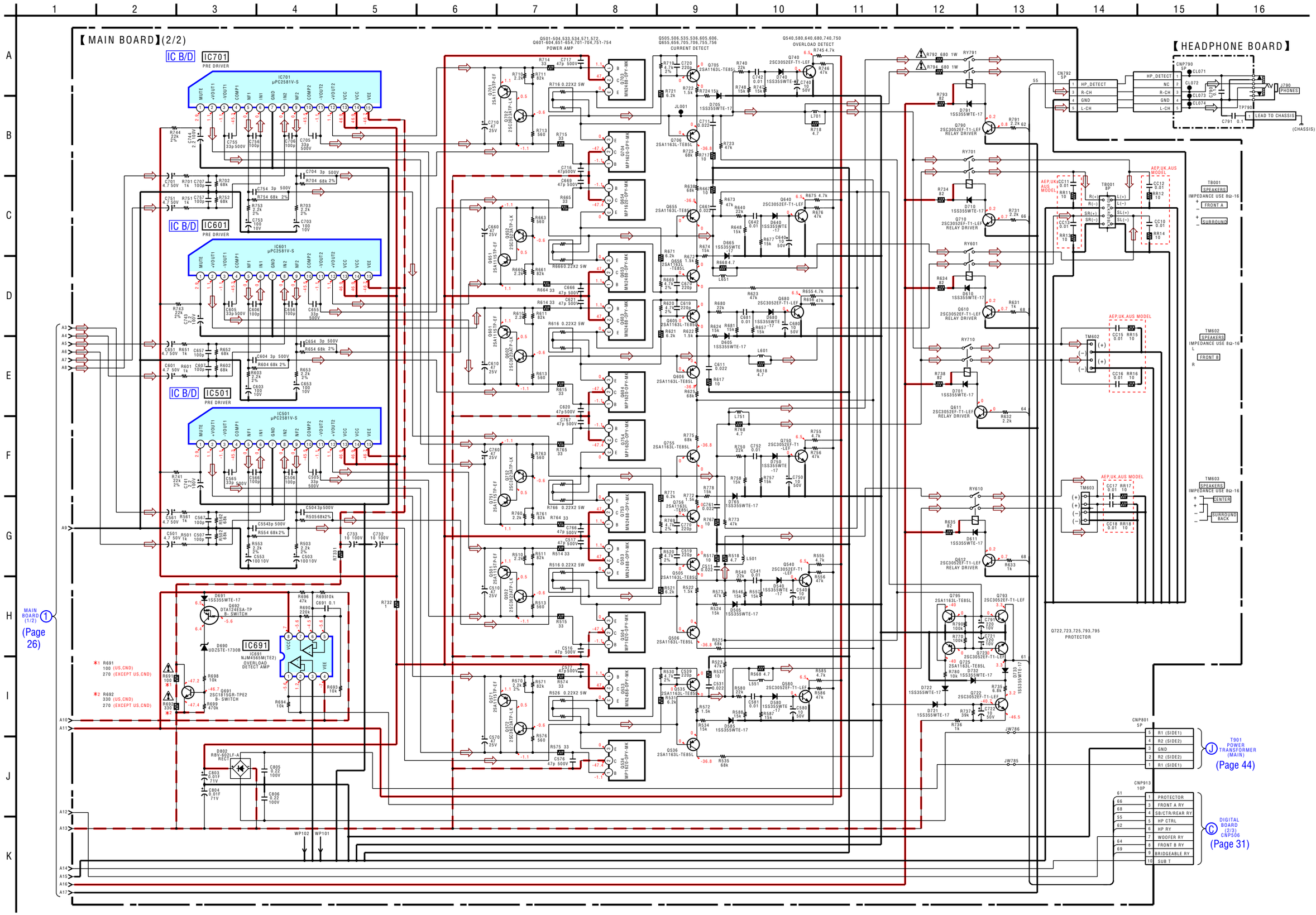
• **Semiconductor Location**

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.



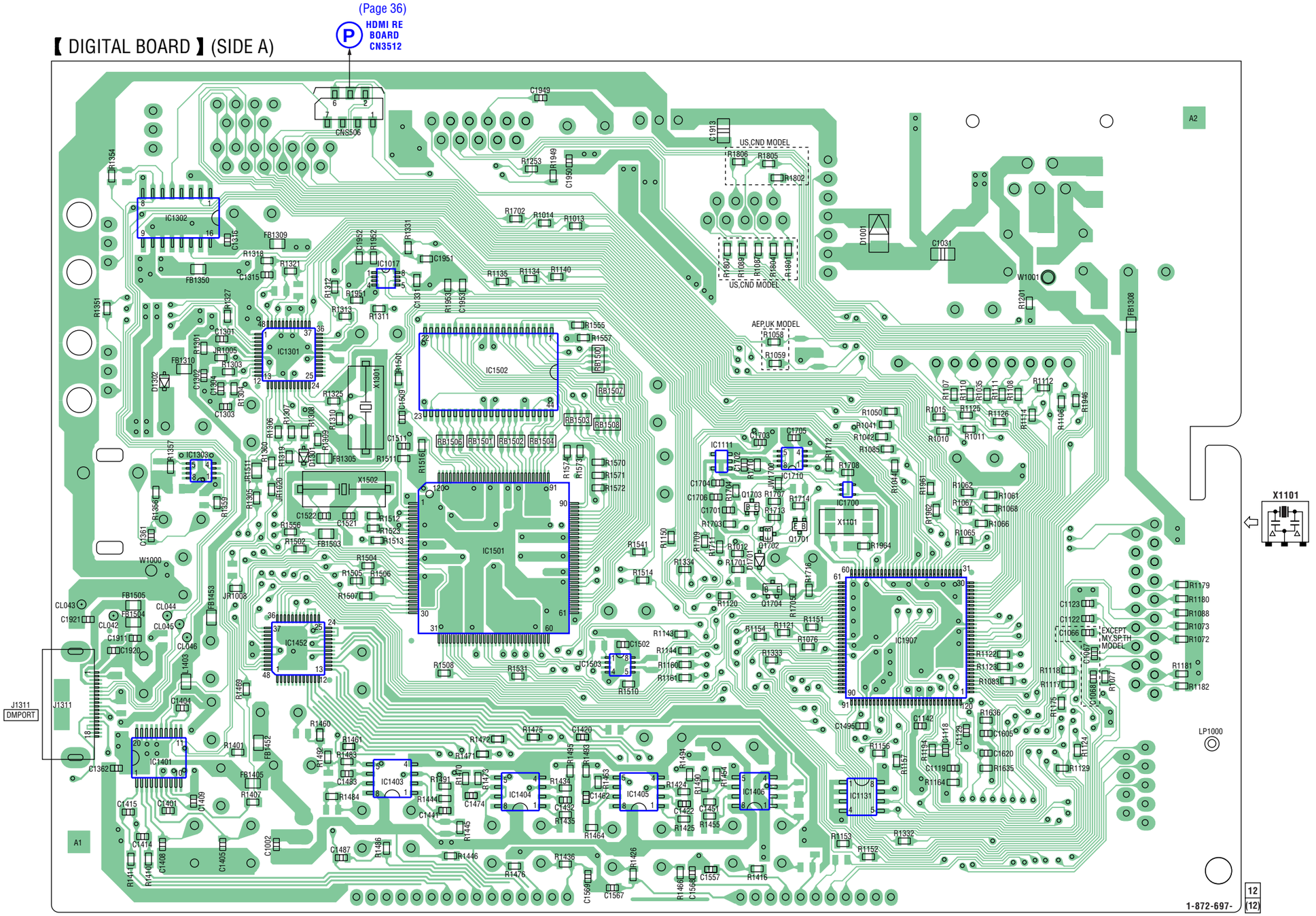
5-12. PRINTED WIRING BOARD — DIGITAL SECTION (1/2) — • Refer to page 16 for Circuit Boards Location. : Uses unleaded solder.

• **Semiconductor Location**

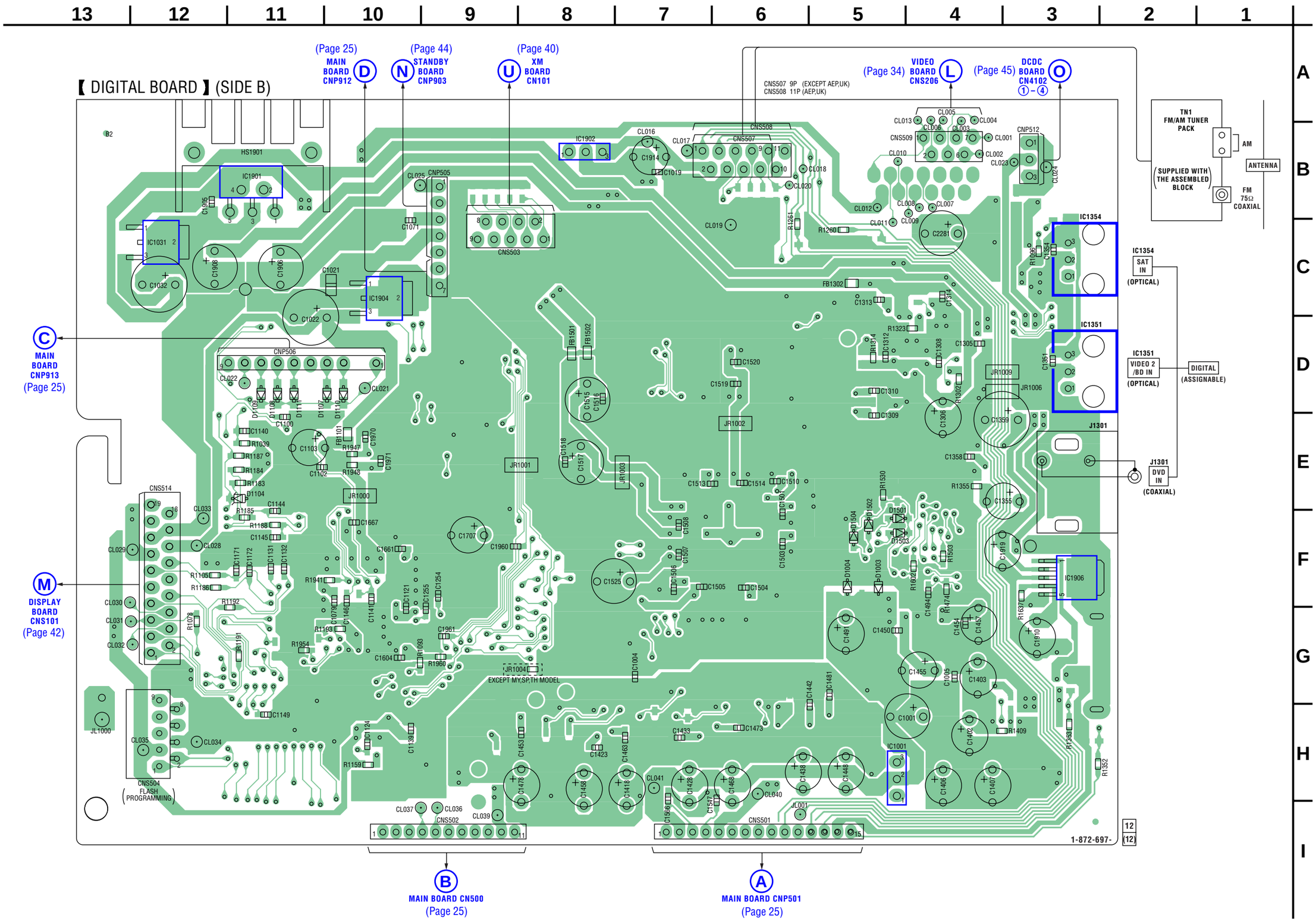
Ref. No.	Location
D1001	C-10
(D1003)	F-5
(D1004)	F-5
(D1107)	D-10
(D1108)	D-11
(D1109)	D-11
(D1110)	D-10
(D1111)	D-11
D1301	E-5
D1302	D-3
(D1501)	F-5
(D1502)	F-5
(D1503)	F-5
(D1504)	F-5
D1701	F-9
(IC1001)	H-5
IC1017	C-5
(IC1031)	C-12
IC1111	E-8
IC1131	H-10
IC1301	D-4
IC1302	C-3
IC1303	E-4
(IC1351)	D-3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

( ): SIDE B

【 DIGITAL BOARD 】(SIDE A)

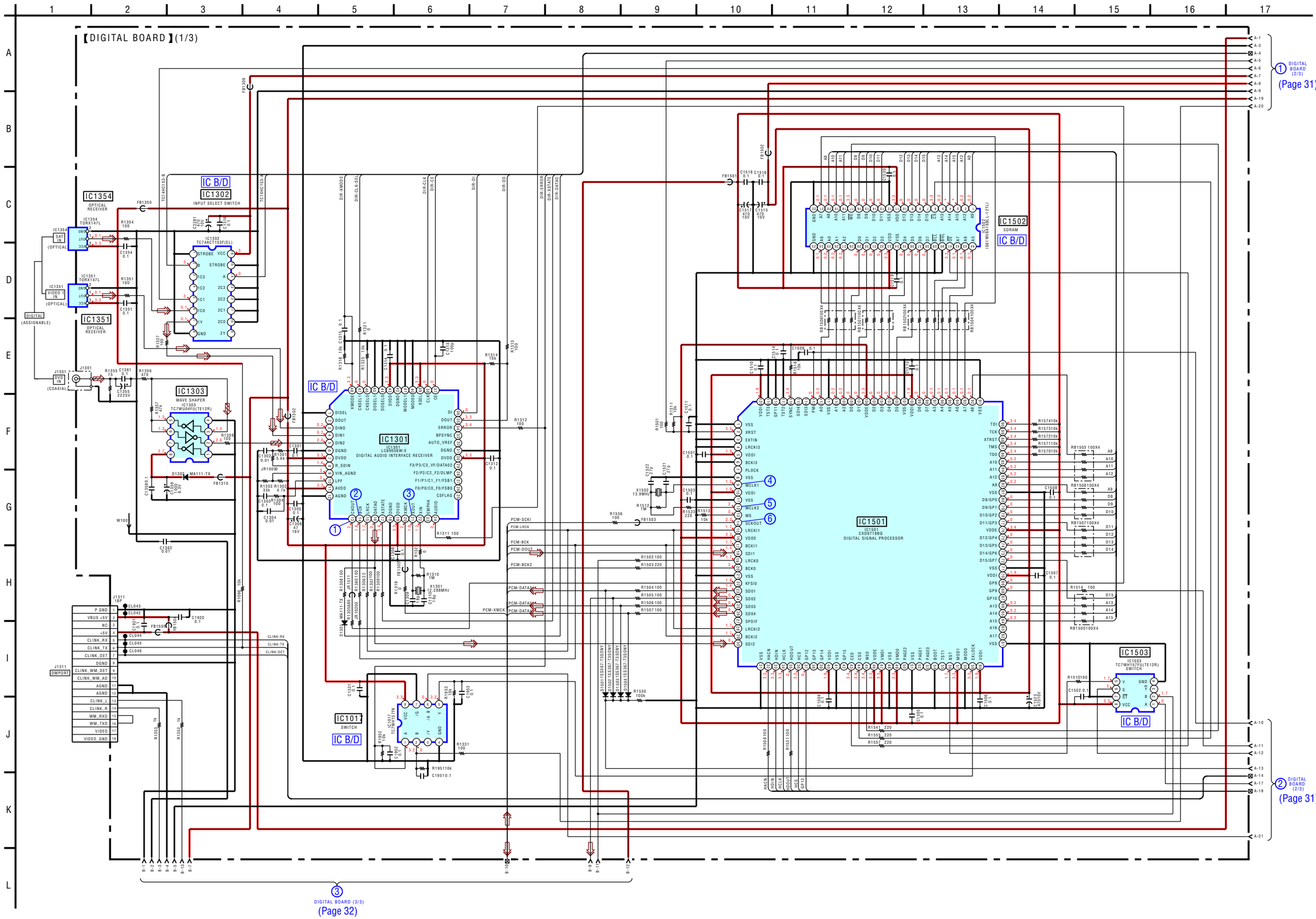


5-13. PRINTED WIRING BOARD — DIGITAL SECTION (2/2) — • Refer to page 16 for Circuit Boards Location. : Uses unleaded solder.



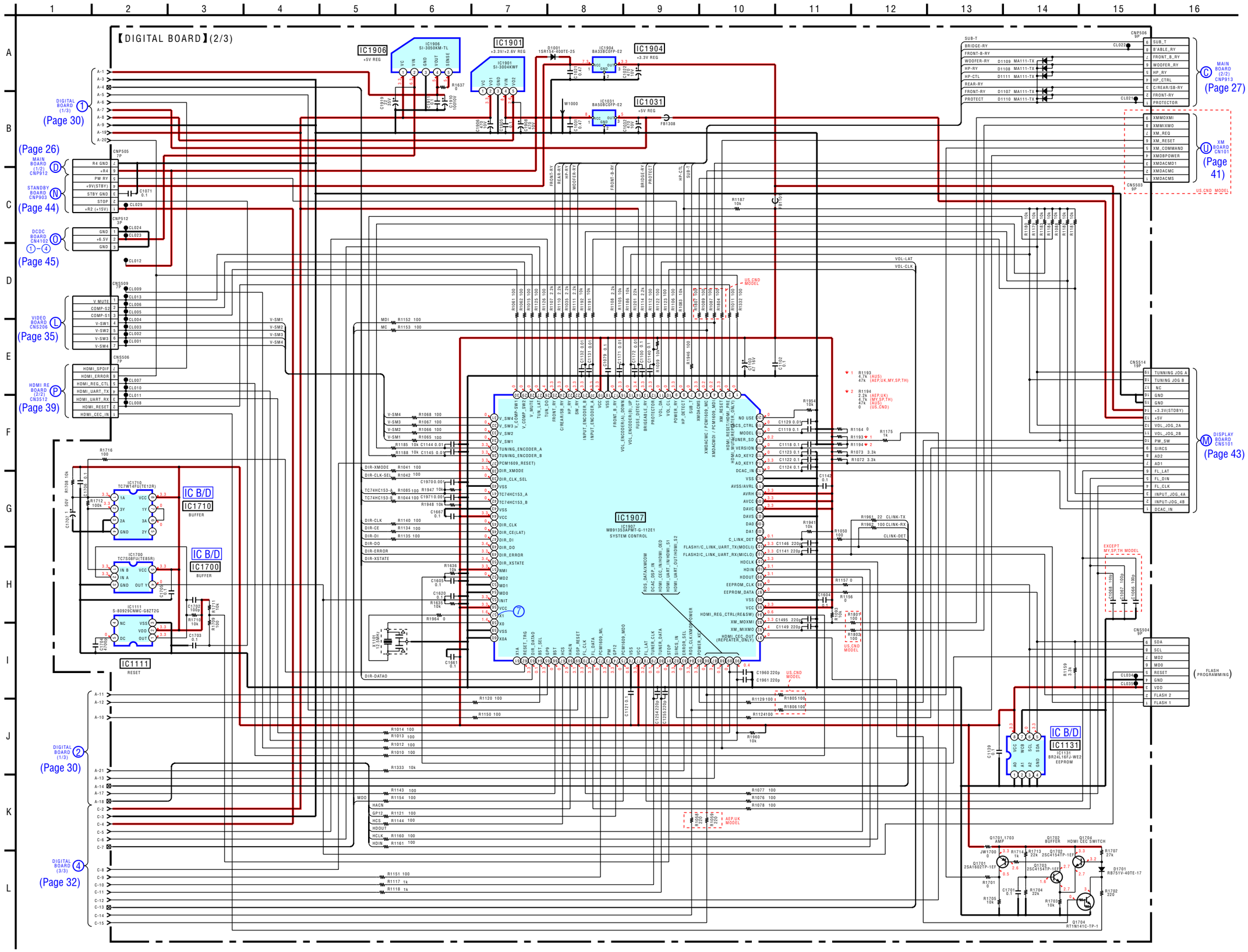
5-14. SCHEMATIC DIAGRAM — DIGITAL SECTION (1/3) —

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

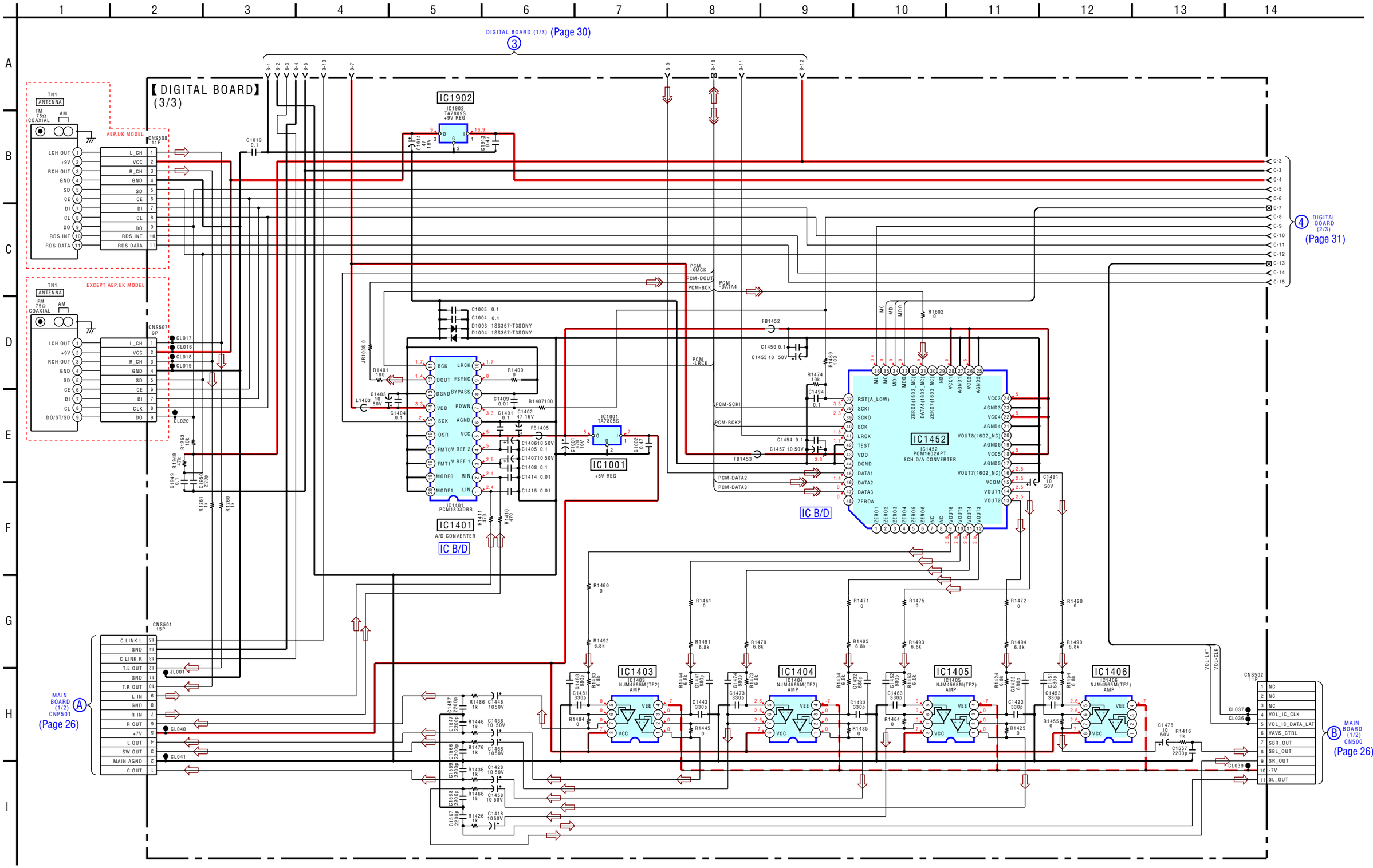


5-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/3) —

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

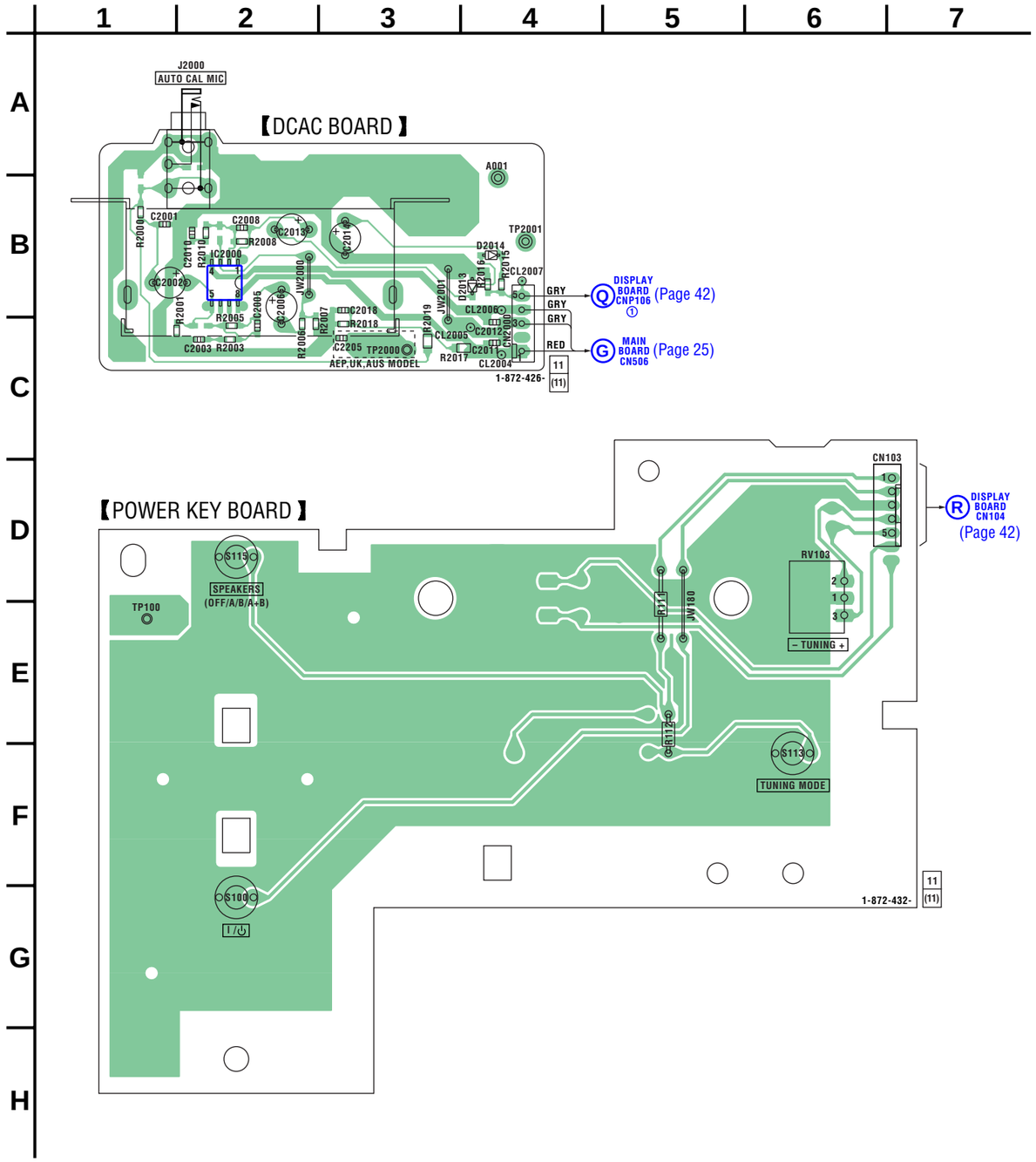


5-16. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/3) — • Refer to page 48 IC Block Diagrams.

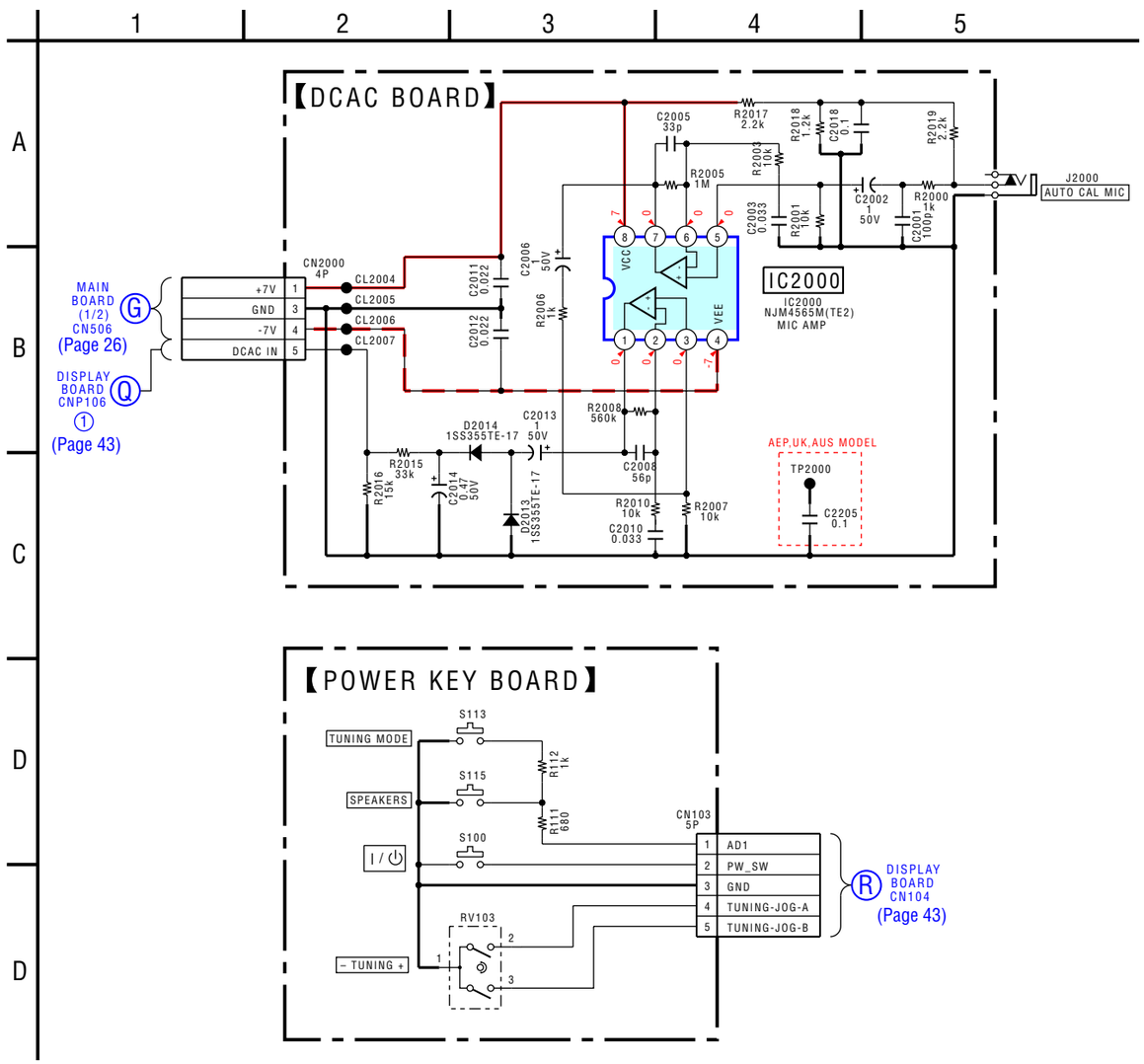


5-17. PRINTED WIRING BOARDS — DCAC, POWER KEY SECTION —

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

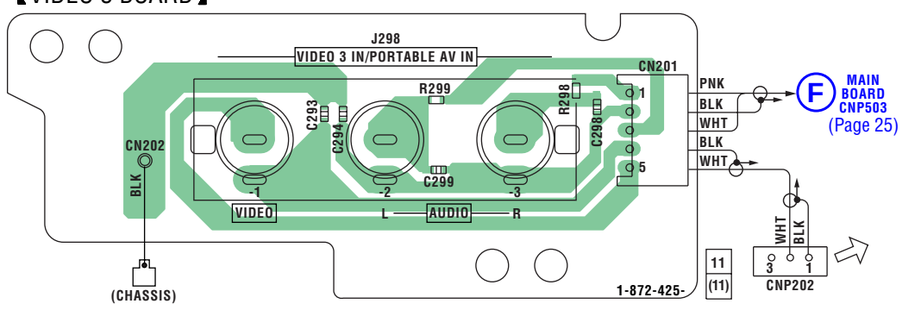


5-18. SCHEMATIC DIAGRAM — DCAC, POWER KEY SECTION —

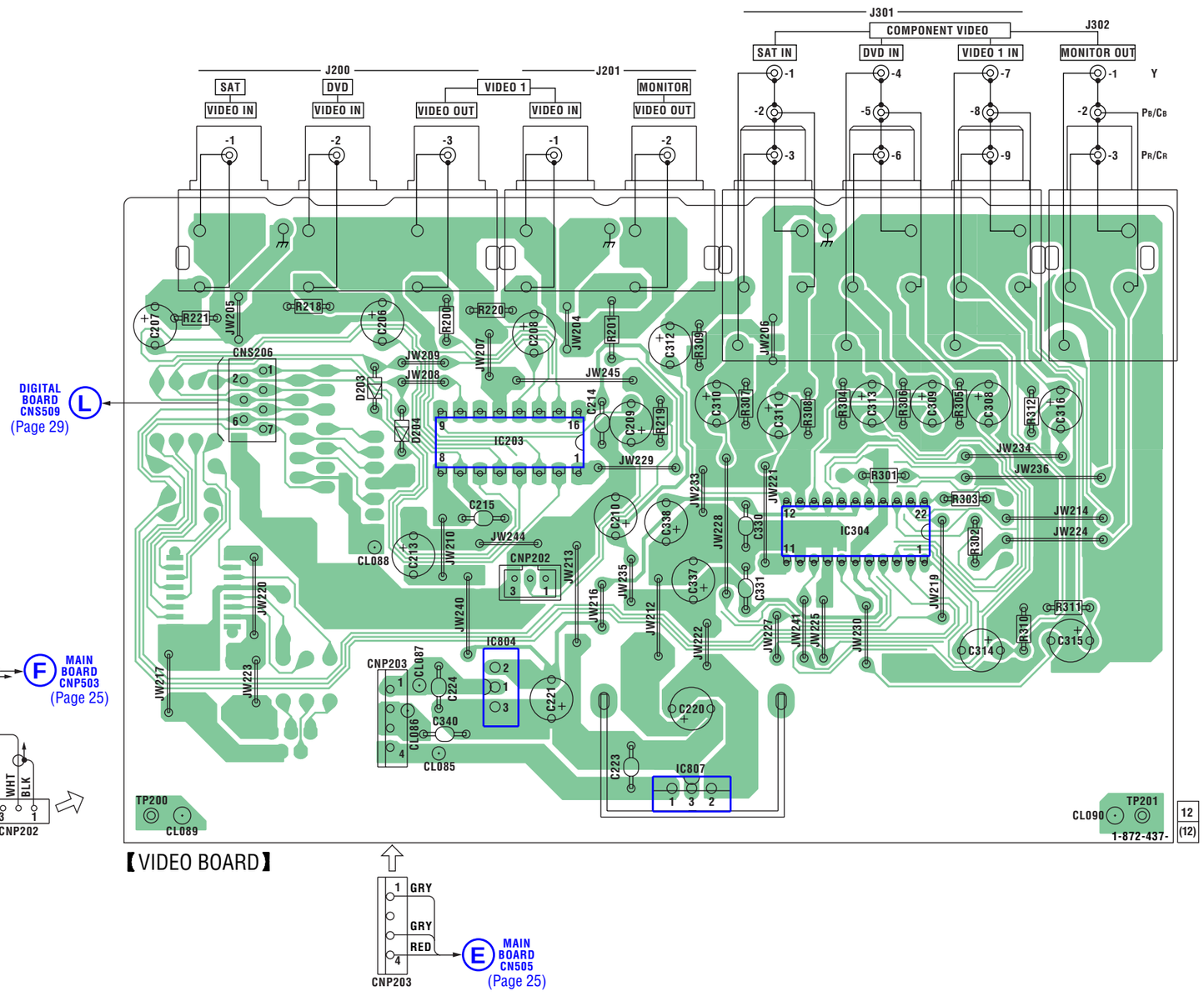


5-19. PRINTED WIRING BOARDS — VIDEO SECTION — • Refer to page 16 for Circuit Boards Location. : Uses unleaded solder.

【VIDEO 3 BOARD】



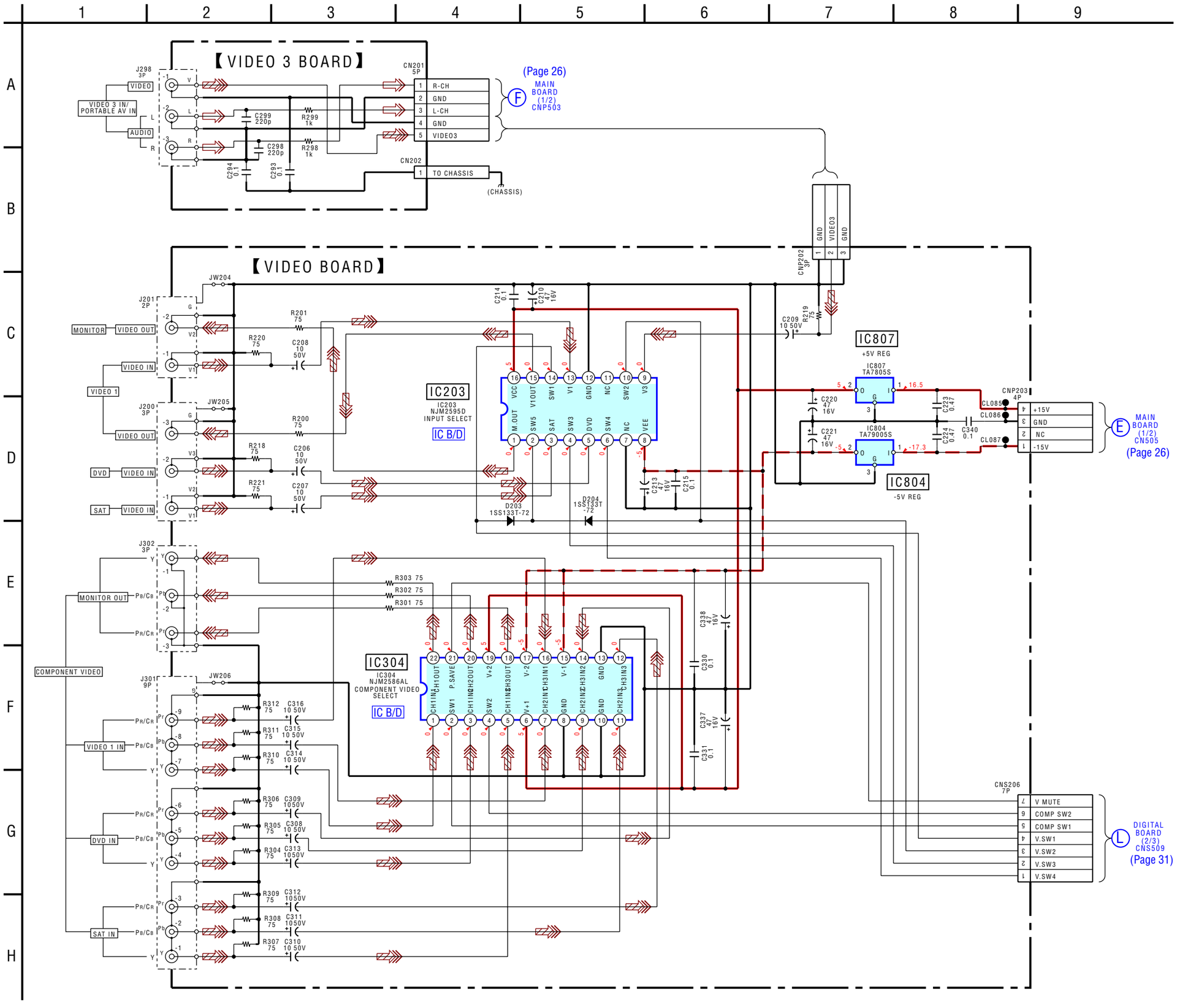
【VIDEO BOARD】



• **Semiconductor Location**

Ref. No.	Location
D203	D-8
D204	D-8
IC203	D-9
IC304	E-12
IC804	F-9
IC807	F-11

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



5-21. PRINTED WIRING BOARD — HDMI RE SECTION (1/2) —

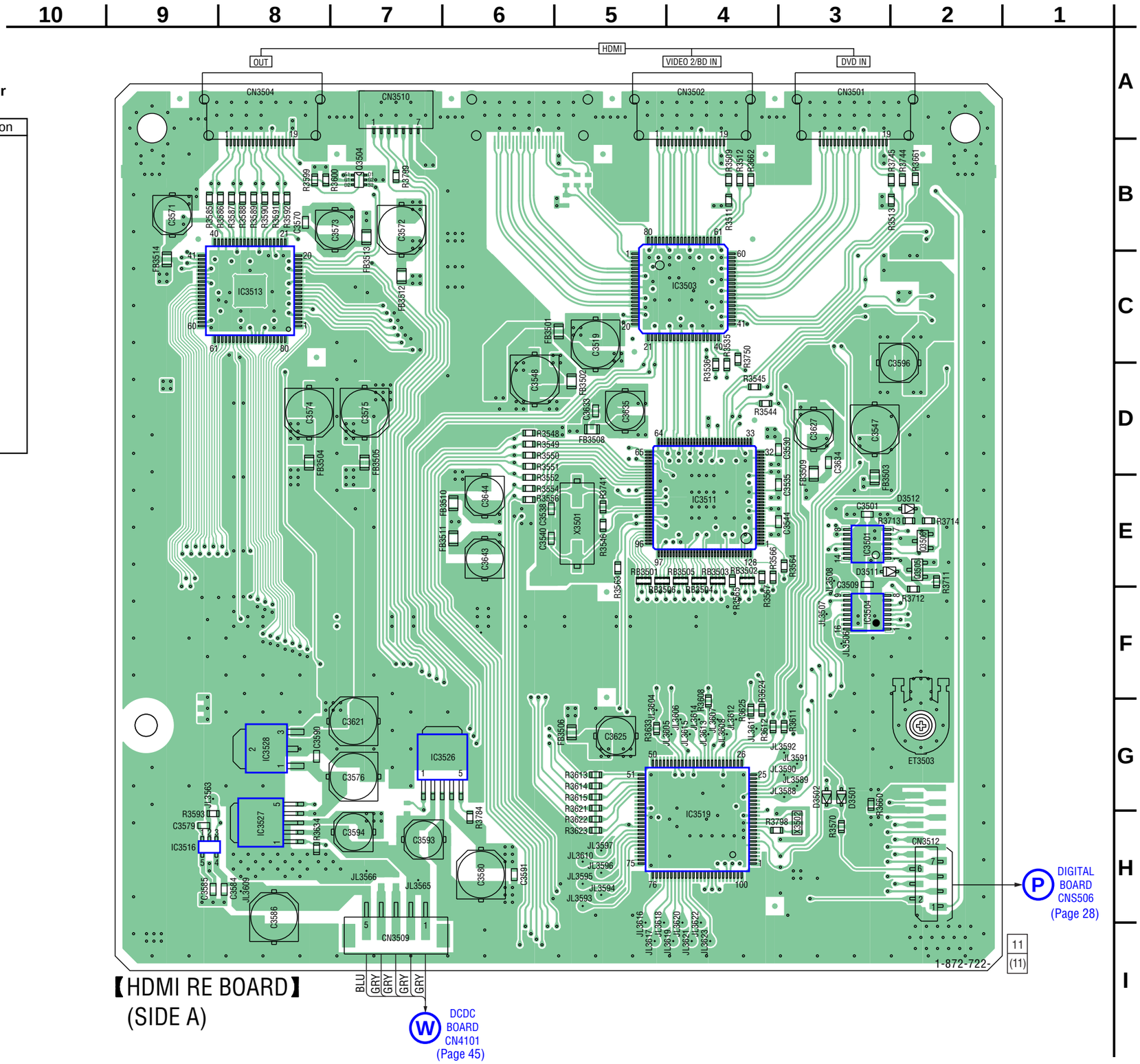
• Refer to page 16 for Circuit Boards Location.

: 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

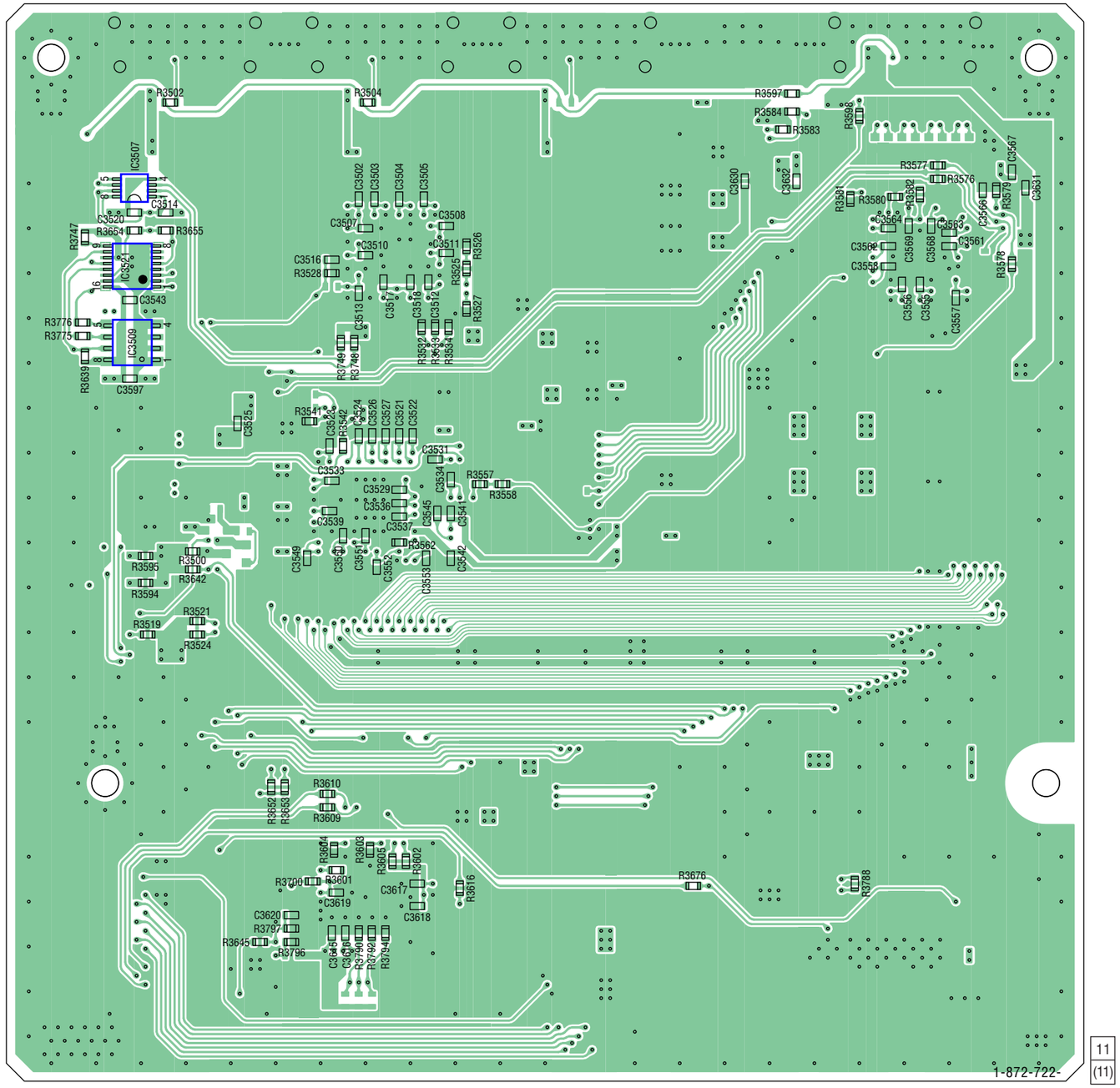
( ): SIDE B



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.

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

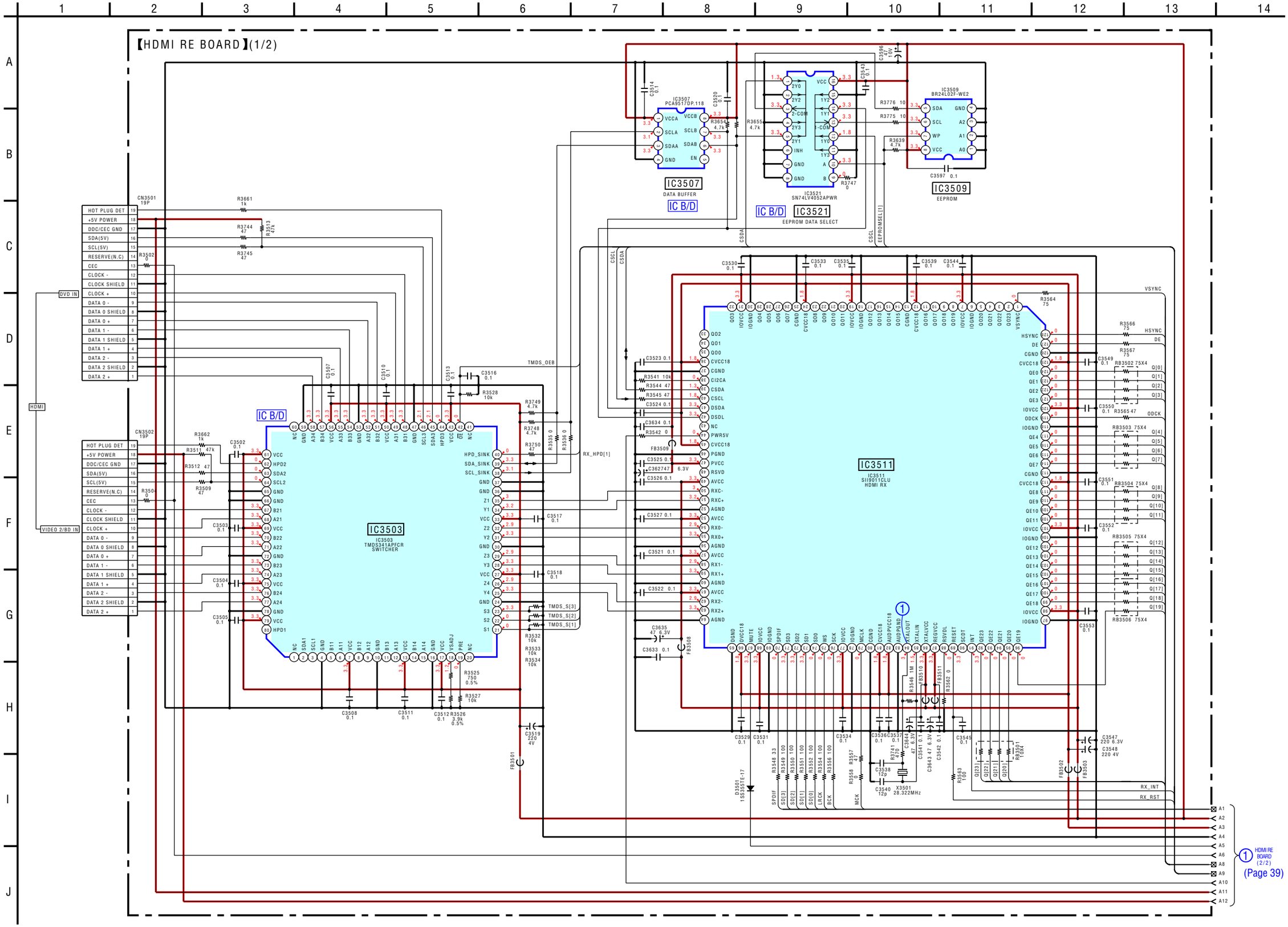
【HDMI RE BOARD】(SIDE B)



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

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

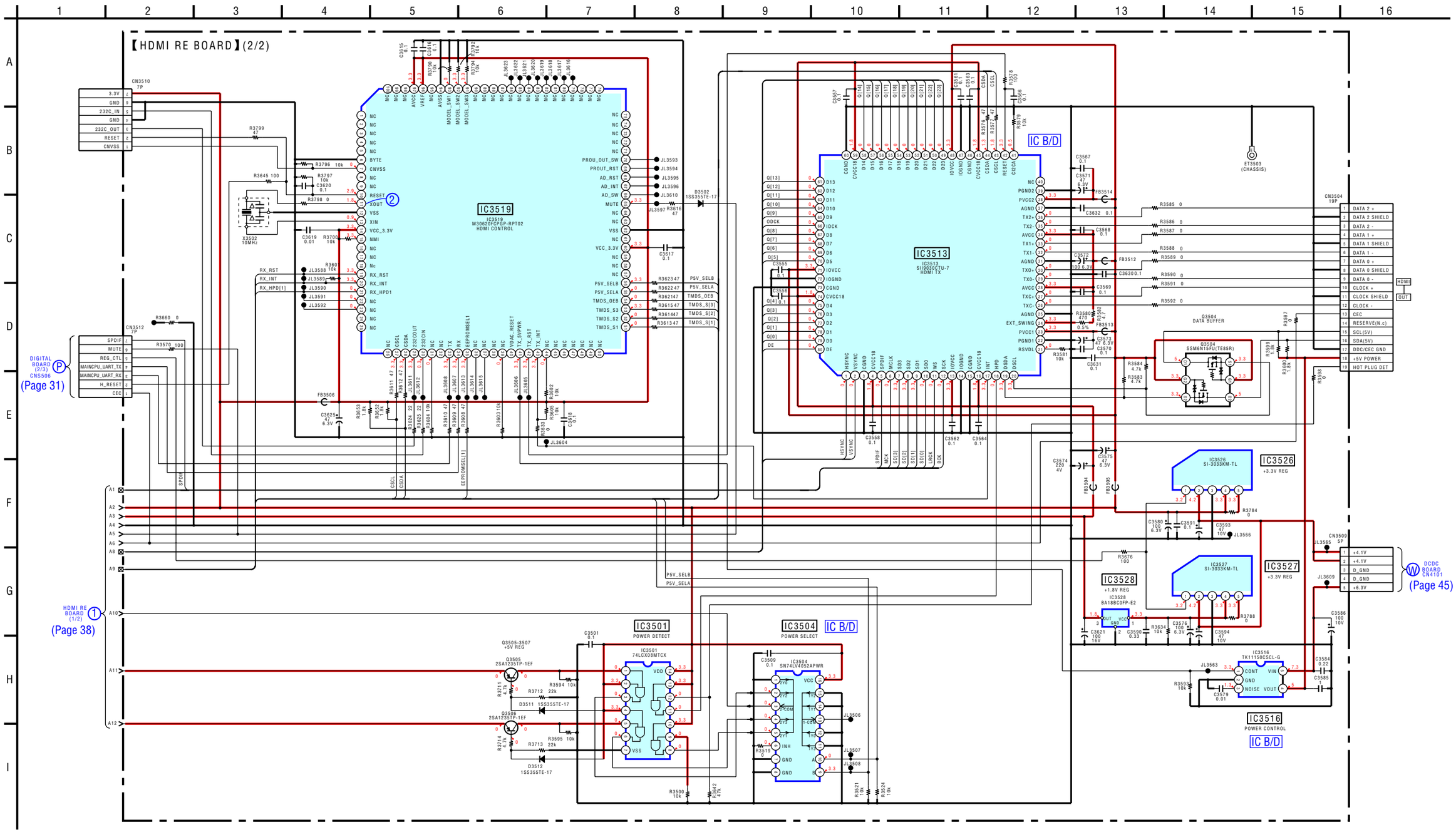
Note: When IC3511 and IC3513 on the HDMI RE board are damaged, exchange the new HDMI RE board for the HDMI RE board which IC damaged.



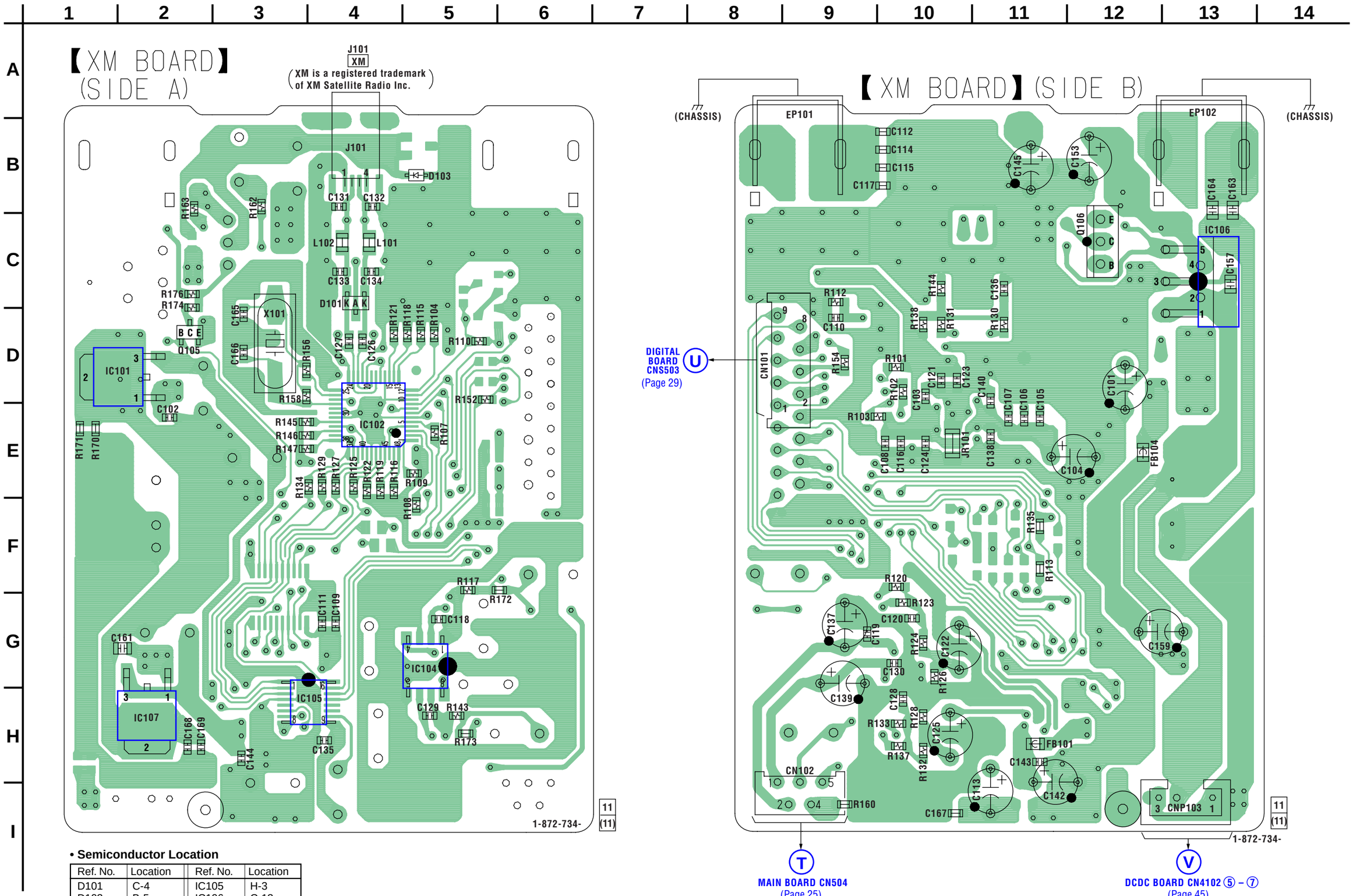
5-24. SCHEMATIC DIAGRAM — HDMI RE SECTION (2/2) —

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

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.

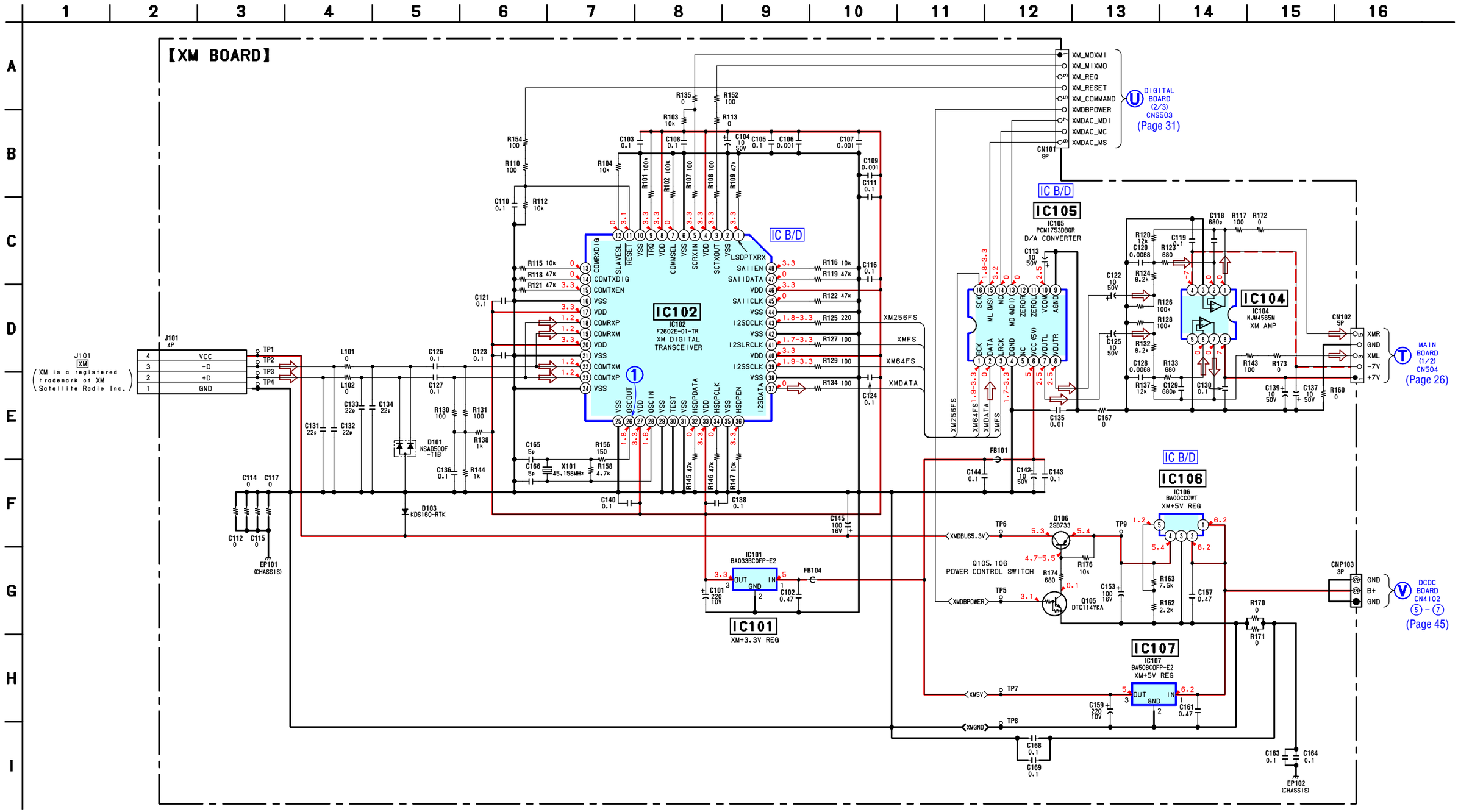


• **Semiconductor Location**

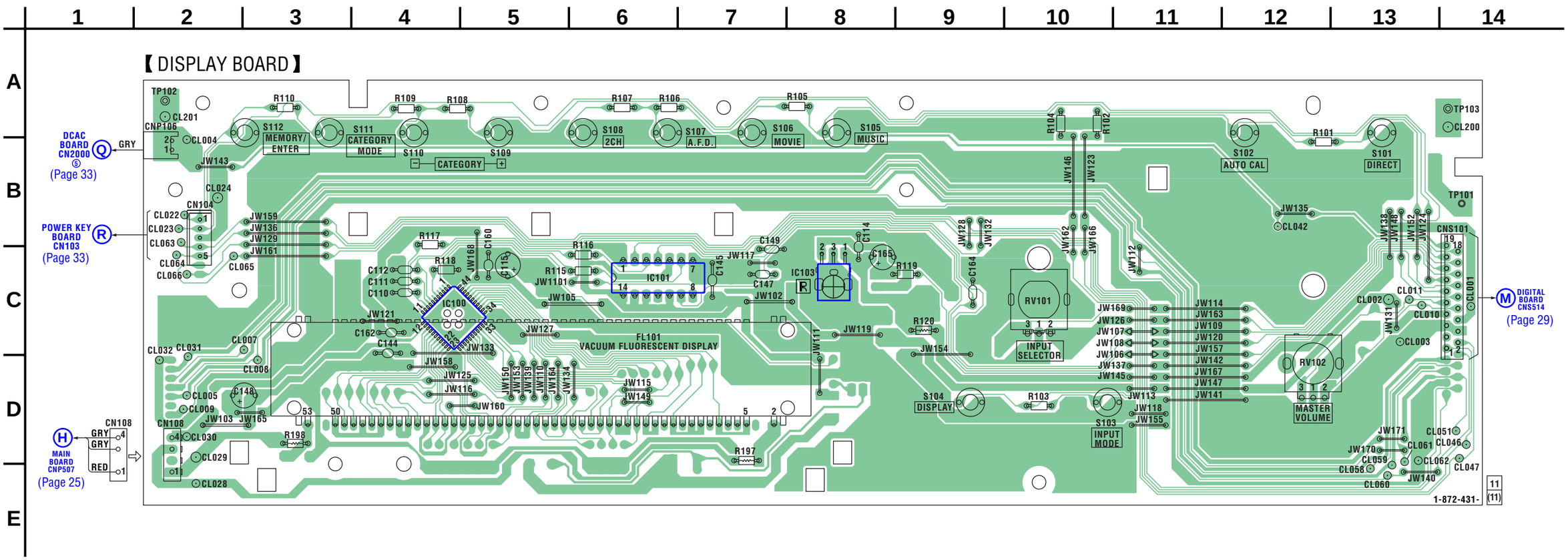
Ref. No.	Location	Ref. No.	Location
D101	C-4	IC105	H-3
D103	B-5	IC106	C-13
		IC107	H-2
IC101	D-1		
IC102	E-4	Q105	D-2
IC104	G-5	Q106	C-12

5-26. SCHEMATIC DIAGRAM — XM SECTION (US, Canadian MODEL ONLY) —

• Refer to page 24 for Waveforms.
• Refer to page 52 for IC Block Diagrams.



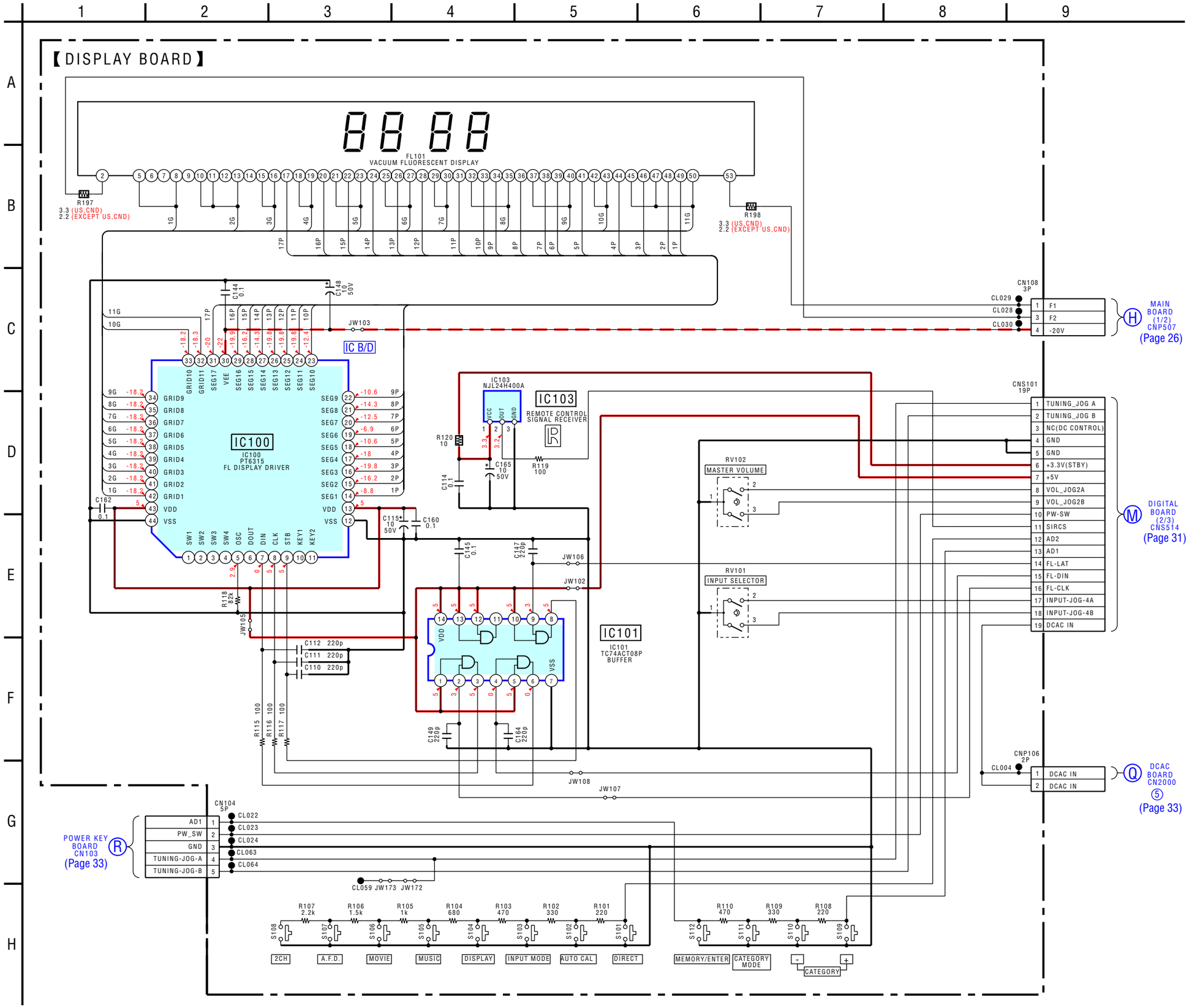
5-27. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 16 for Circuit Boards Location. : Uses unleaded solder.



- **Semiconductor Location**

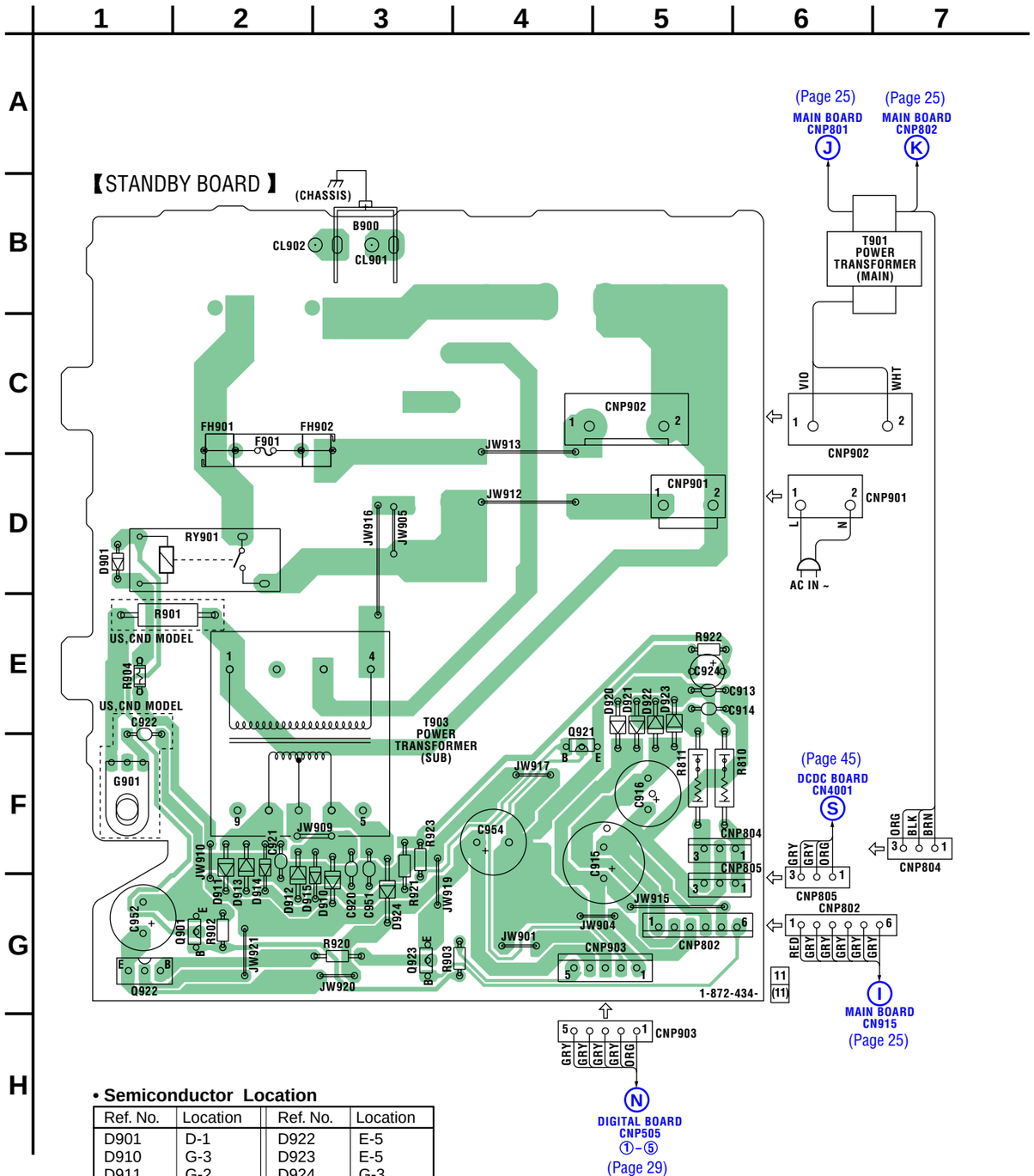
Ref. No.	Location
IC100	C-4
IC101	C-6
IC103	C-8

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



5-29. PRINTED WIRING BOARD — POWER SECTION —

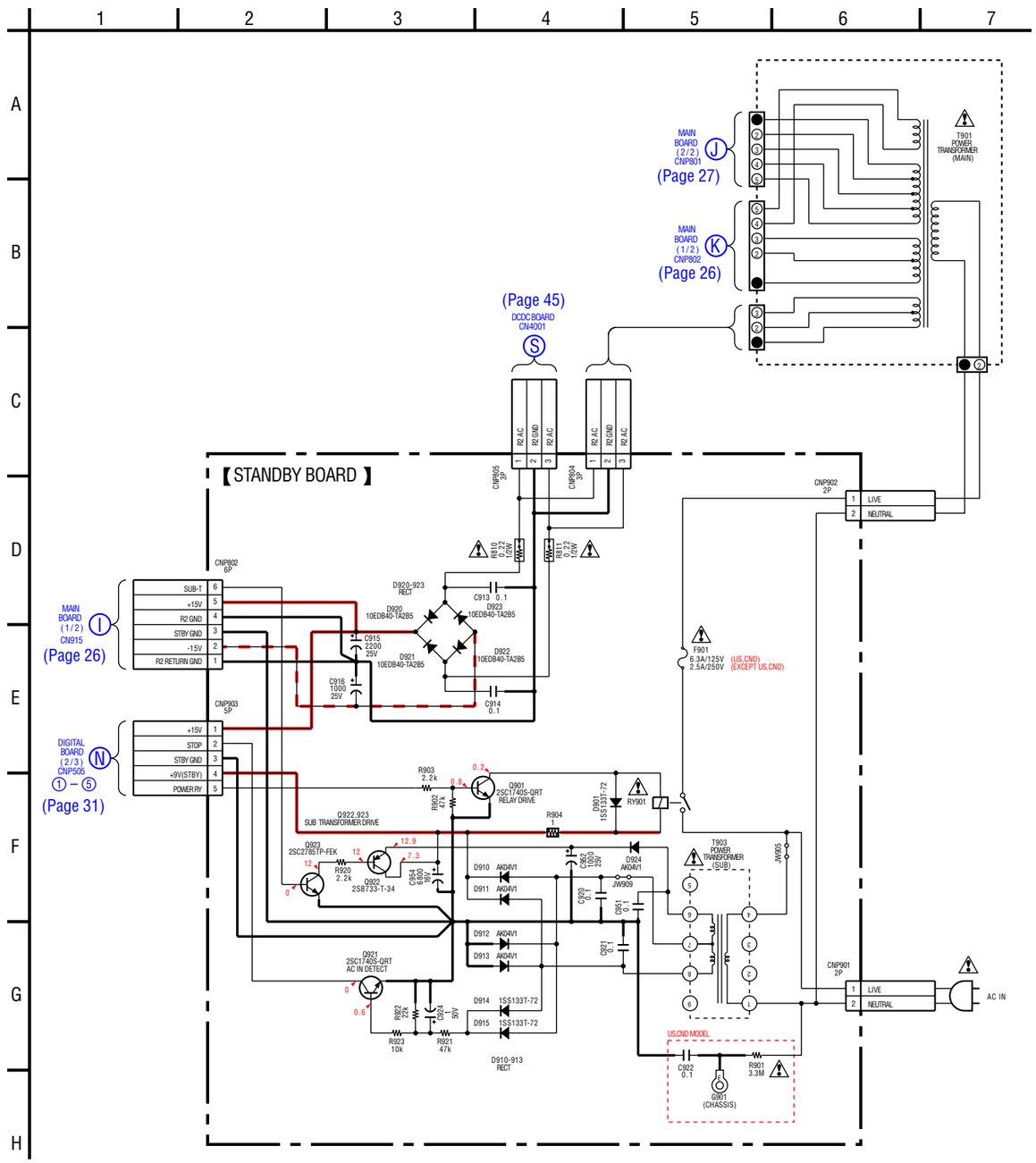
• Refer to page 16 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

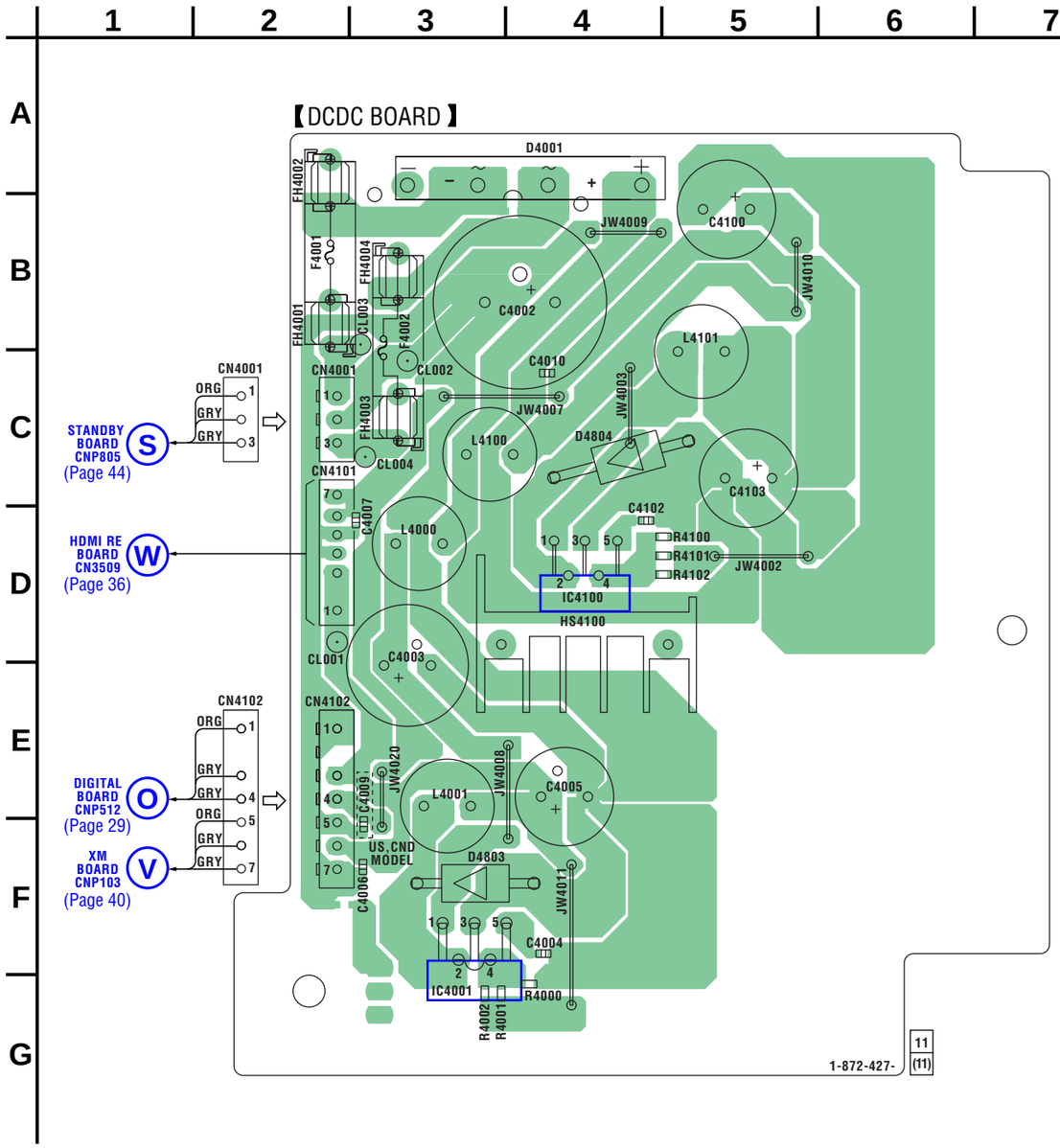
Ref. No.	Location	Ref. No.	Location
D901	D-1	D922	E-5
D910	G-3	D923	E-5
D911	G-2	D924	G-3
D912	G-2		
D913	G-2	Q901	G-2
D914	G-2	Q921	F-4
D915	G-2	Q922	G-1
D920	E-5	Q923	G-3
D921	E-5		

5-30. SCHEMATIC DIAGRAM — POWER SECTION —



5-31. PRINTED WIRING BOARD — DCDC SECTION —

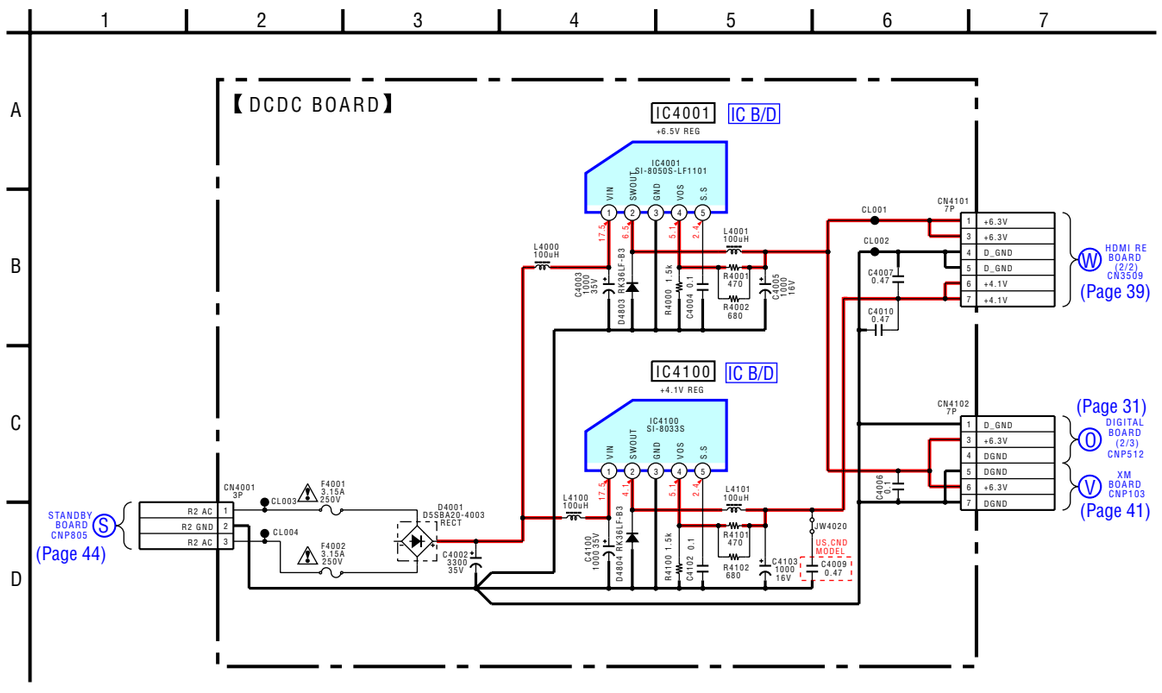
• Refer to page 16 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

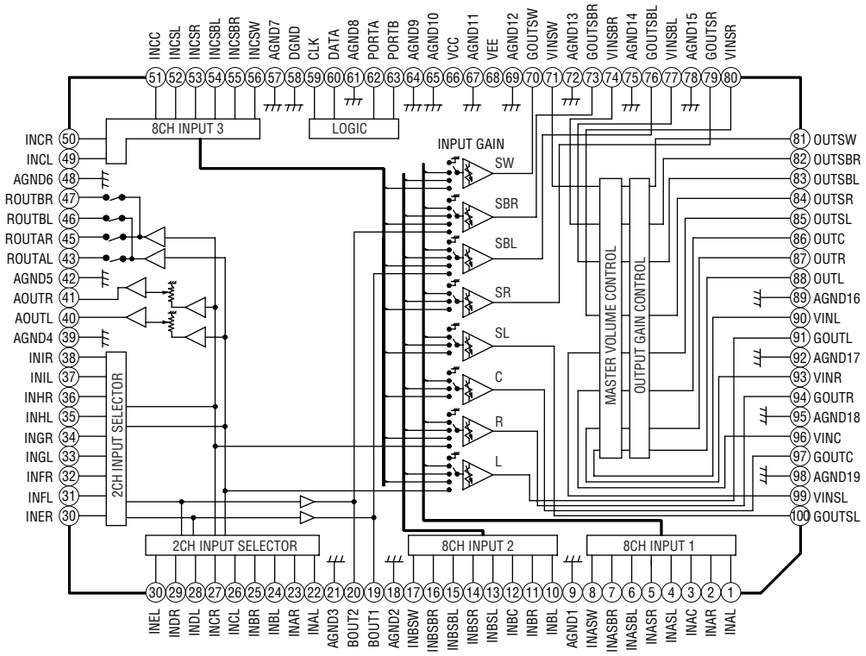
Ref. No.	Location
D4001	A-4
D4803	F-3
D4804	C-4
IC4001	G-3
IC4100	D-4

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

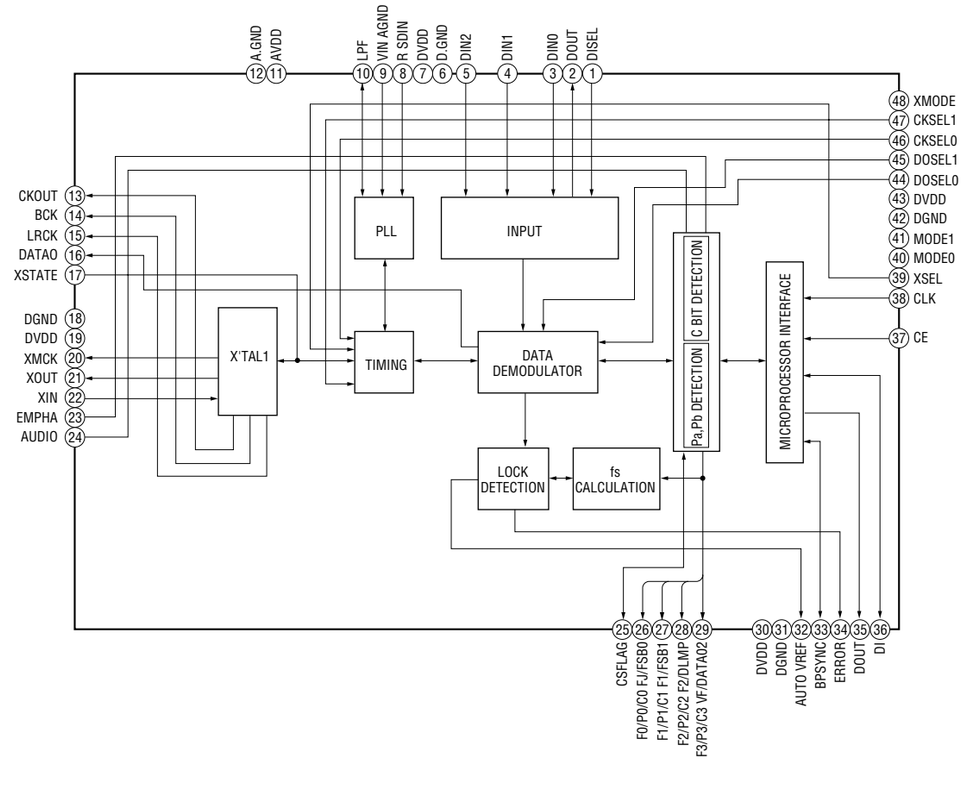


• IC Block Diagrams

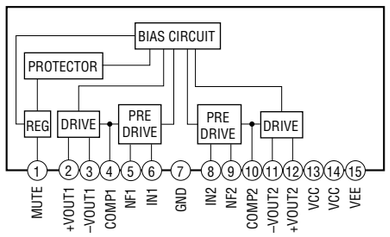
IC401 BD3451KS (MAIN Board (1/2))



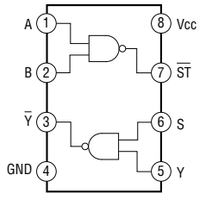
IC1301 LC89056W-E (DIGITAL Board (1/3))



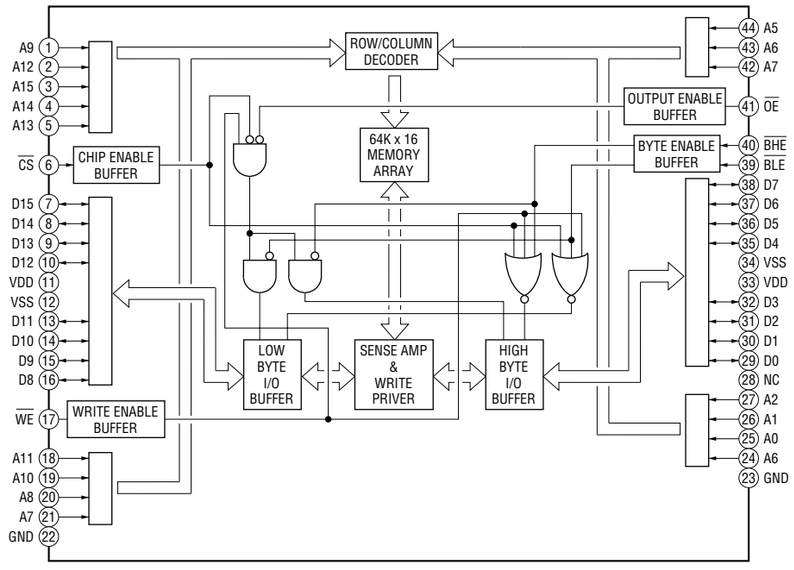
IC501 μPC2581V-S (MAIN Board (2/2))
IC601 μPC2581V-S (MAIN Board (2/2))
IC701 μPC2581V-S (MAIN Board (2/2))



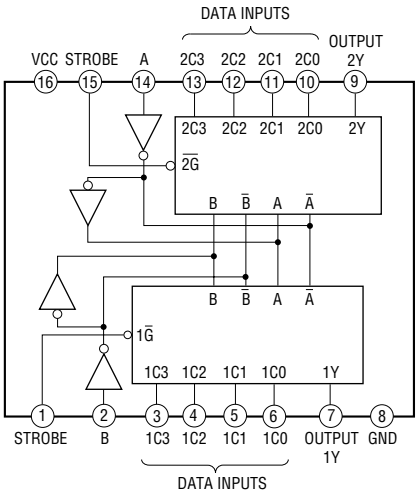
IC1503 TC7WH157FU(TE12R) (DIGITAL Board (1/3))



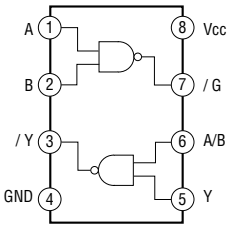
IC1502 IS61WV6416BLL-12TLI (DIGITAL Board (1/3))



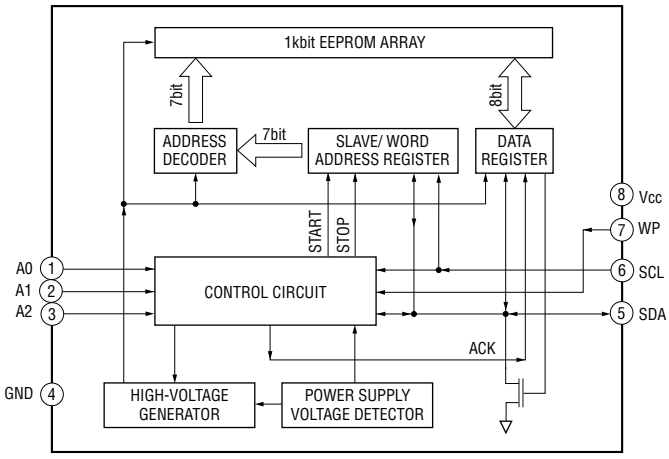
IC1302 TC74ACT153F(EL) (DIGITAL Board (1/3))



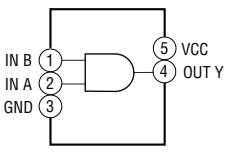
IC1017 TC7WH157FK (DIGITAL Board (1/3))



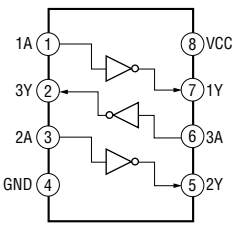
IC1131 BR24L16FJ-WE2 (DIGITAL Board (2/3))



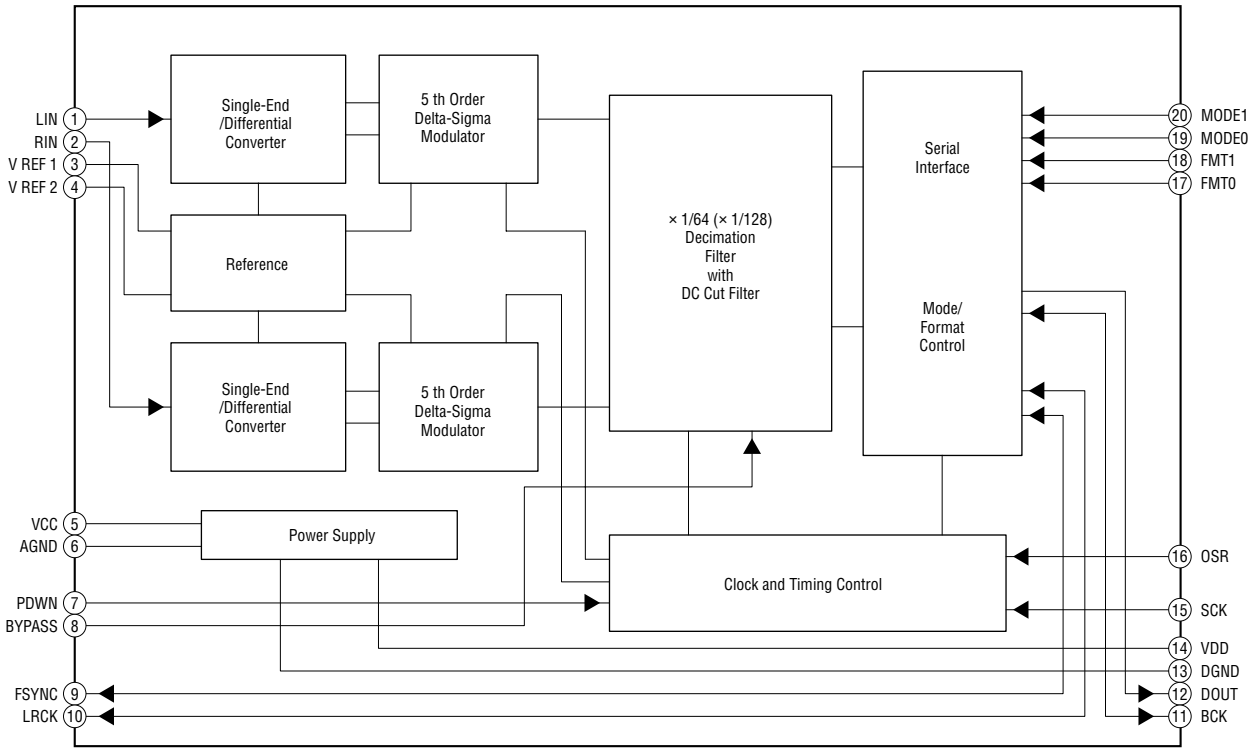
IC1700 TC7S08FU(TE85R) (DIGITAL Board (2/3))



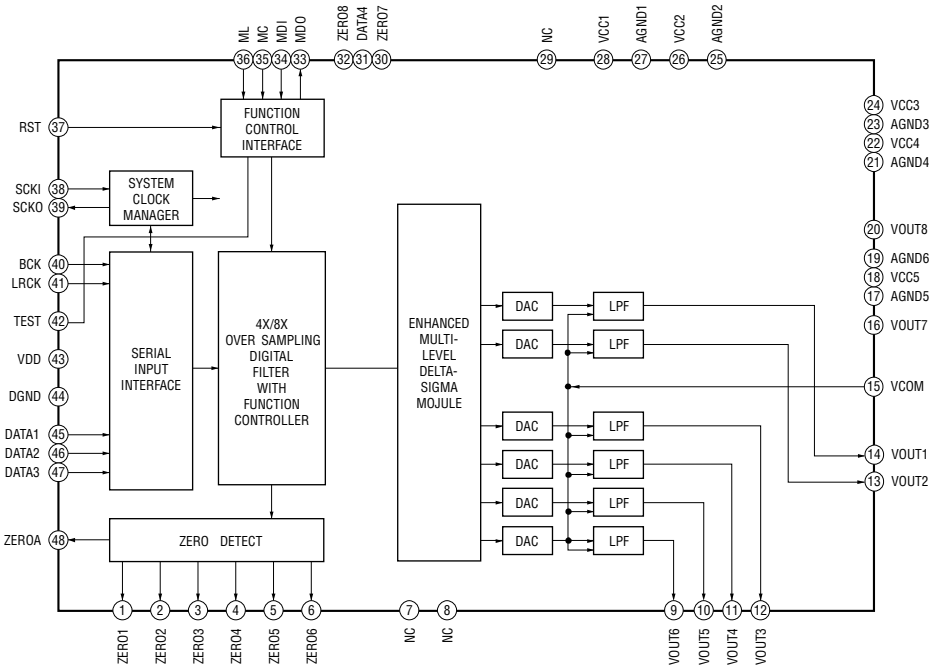
IC1710 TC7W14FU(TE12R) (DIGITAL Board (2/3))



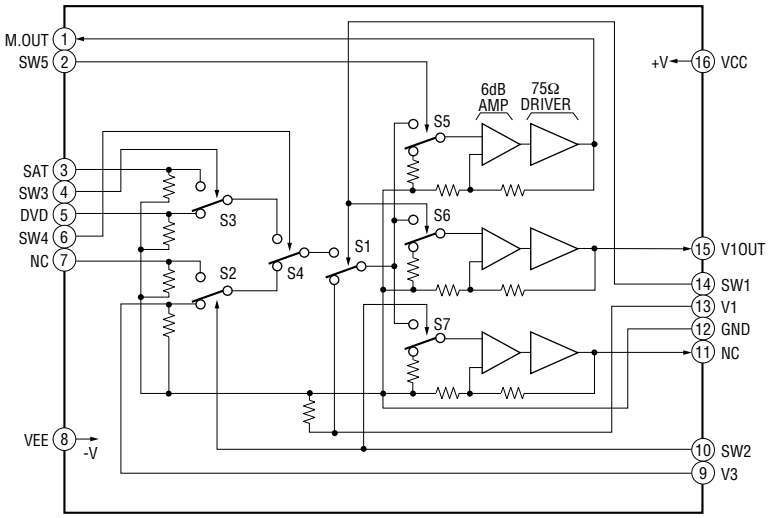
IC1401 PCM1803DBR (DIGITAL Board (3/3))



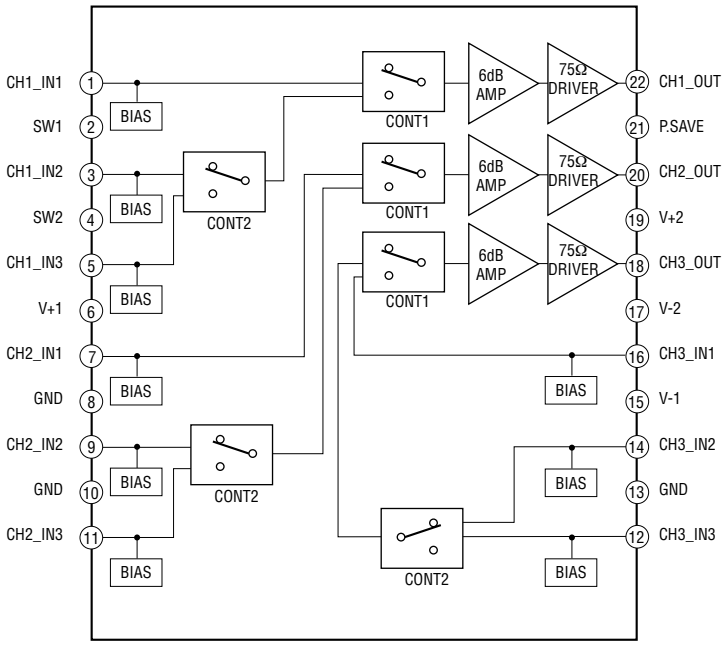
IC1452 PCM1602APT (DIGITAL Board (3/3))



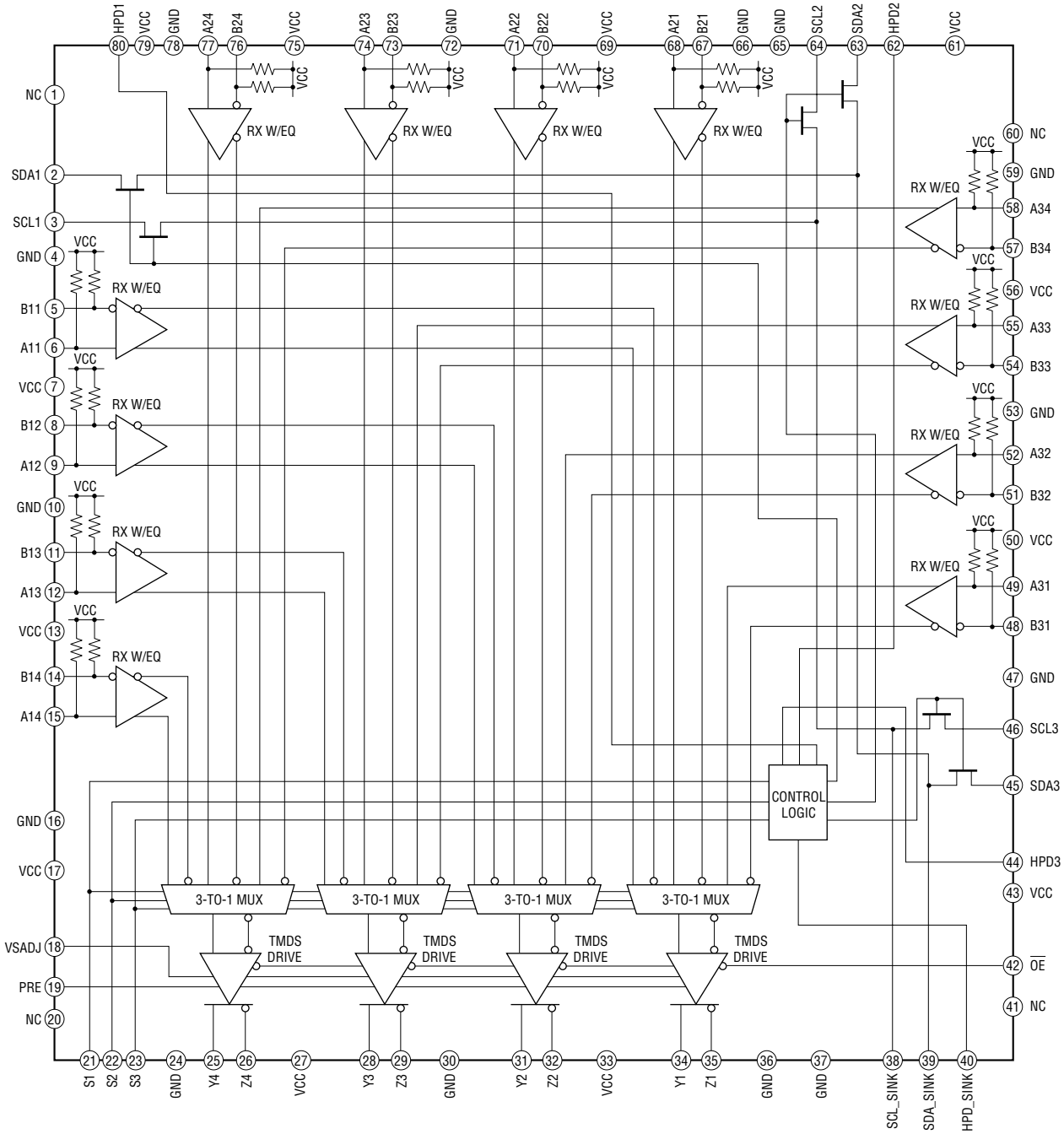
IC203 NJM2595D (VIDEO Board)



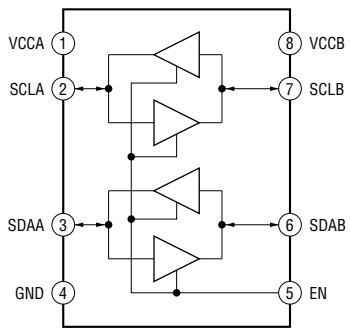
IC304 NJM2586AL (VIDEO Board)



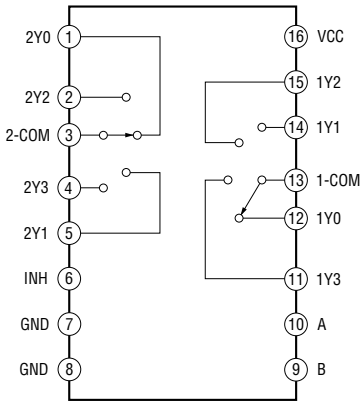
IC3503 TMDS341APFCR (HDMI RE Board (1/2))



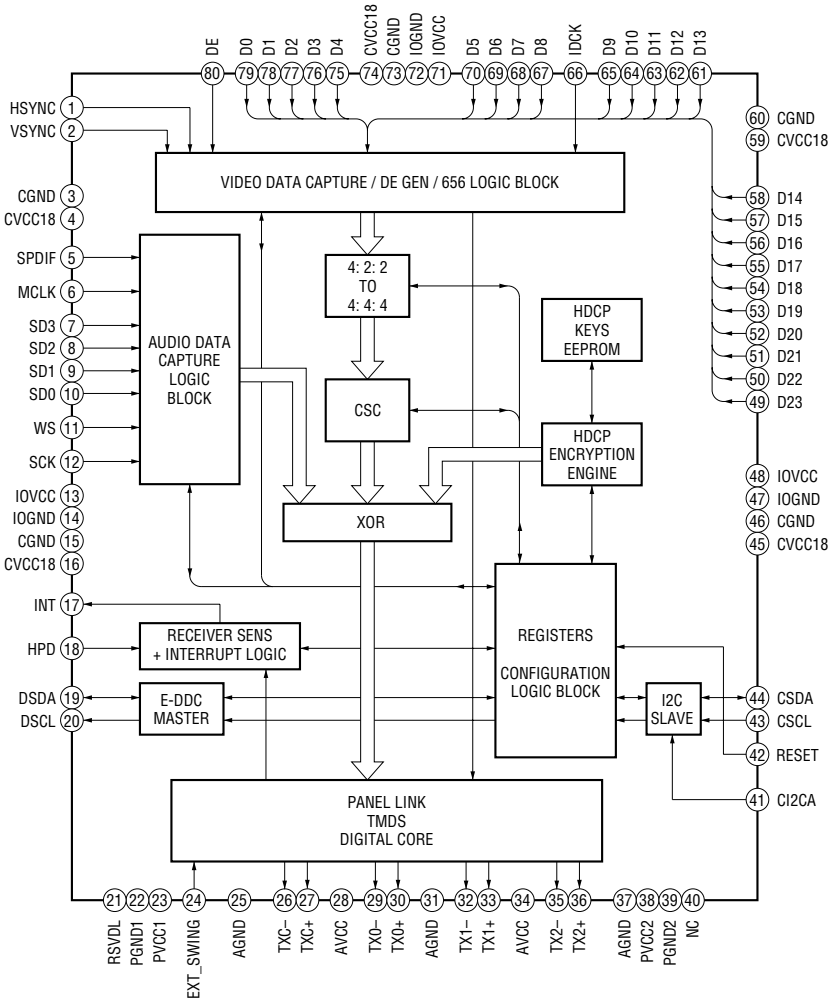
IC3507 PCA9517DP.118 (HDMI RE Board (1/2))



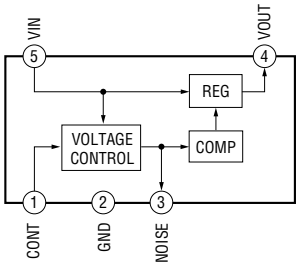
IC3521 SN74LV4052APWR (HDMI RE Board (1/2))
IC3504 SN74LV4052APWR (HDMI RE Board (2/2))



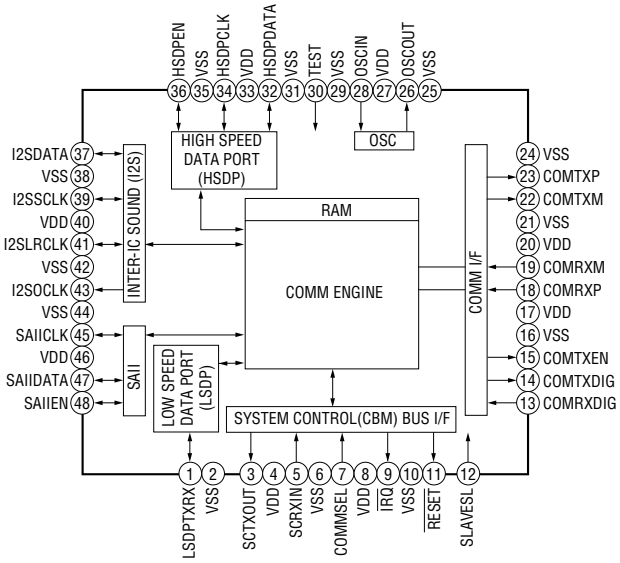
IC3513 SII9030CTU-7 (HDMI RE Board (2/2))



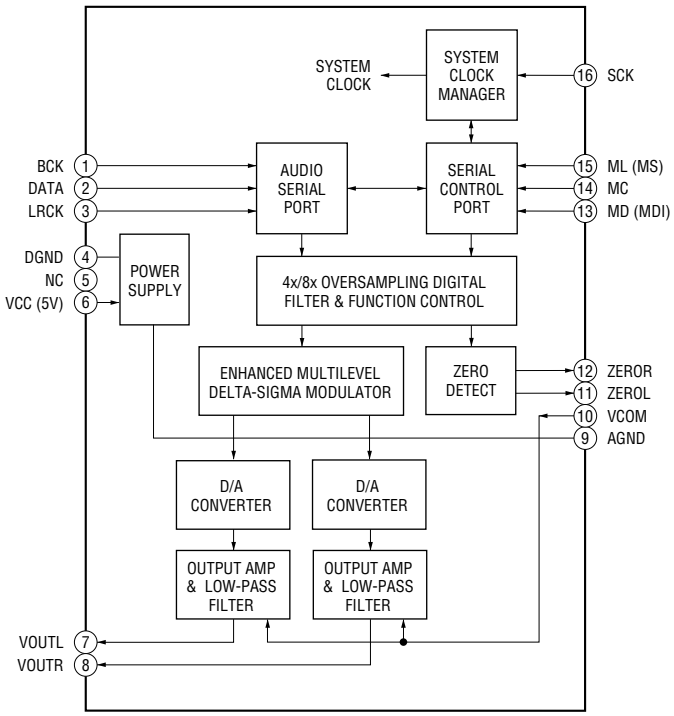
IC3516 TK11150CSCL-G (HDMI RE Board (2/2))



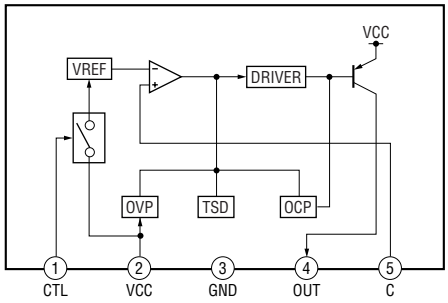
IC102 F2602E-01-TR (XM Board)



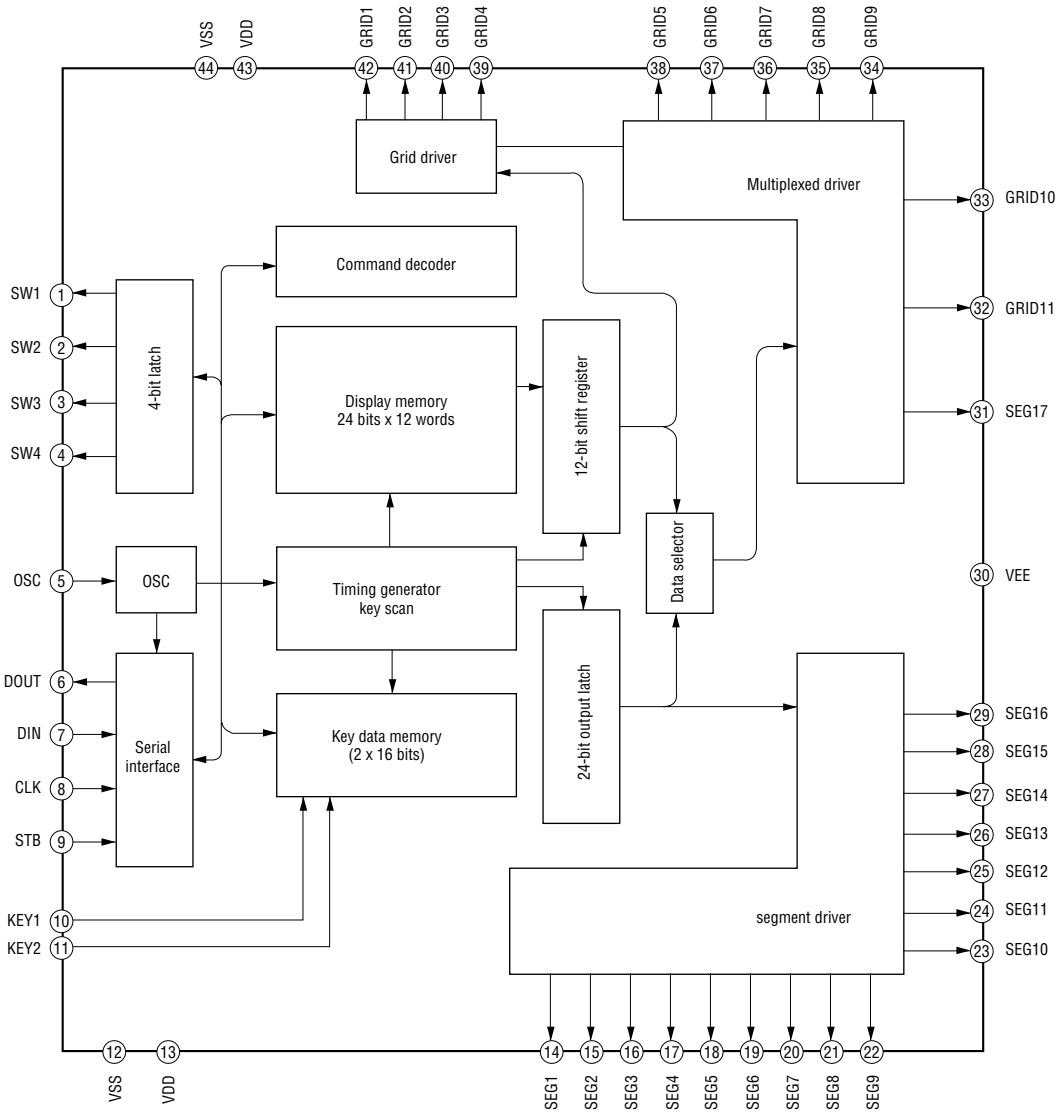
IC105 PCM1753DBQR (XM Board)



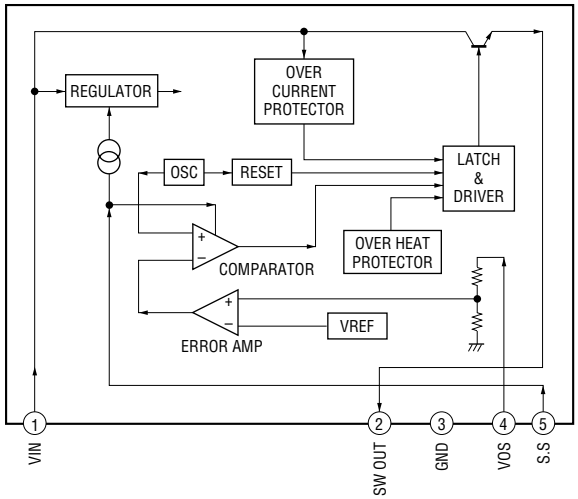
IC106 BA00CC0WT(-V5) (XM Board)



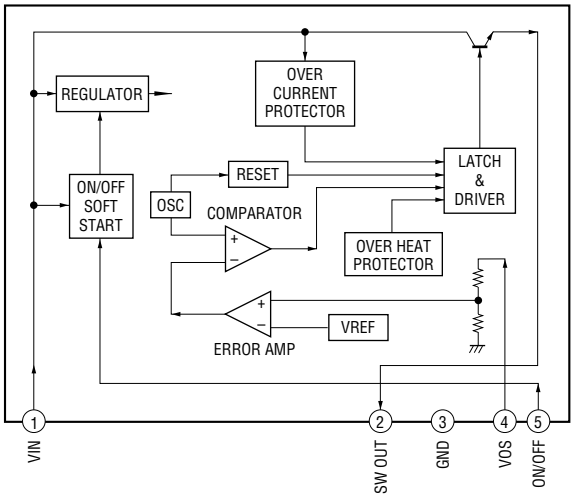
IC100 PT6315 (DISPLAY Board)



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 Descr iption
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	HDOUT	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 Descr iption
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 Descr iption
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 Descr iption
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	DSDA	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 Descr iption
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	HSYNC	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	HSYNC	I	Horizontal synchronize signal input from HDMI RX.
2	VSYNC	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	DSDA	I/O	I2C two-way data bus with HDMI OUT connector.
20	DSCL	O	I2C clock signal output for HDMI OUT connector.
21	RSVDL	—	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 Descr iption
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

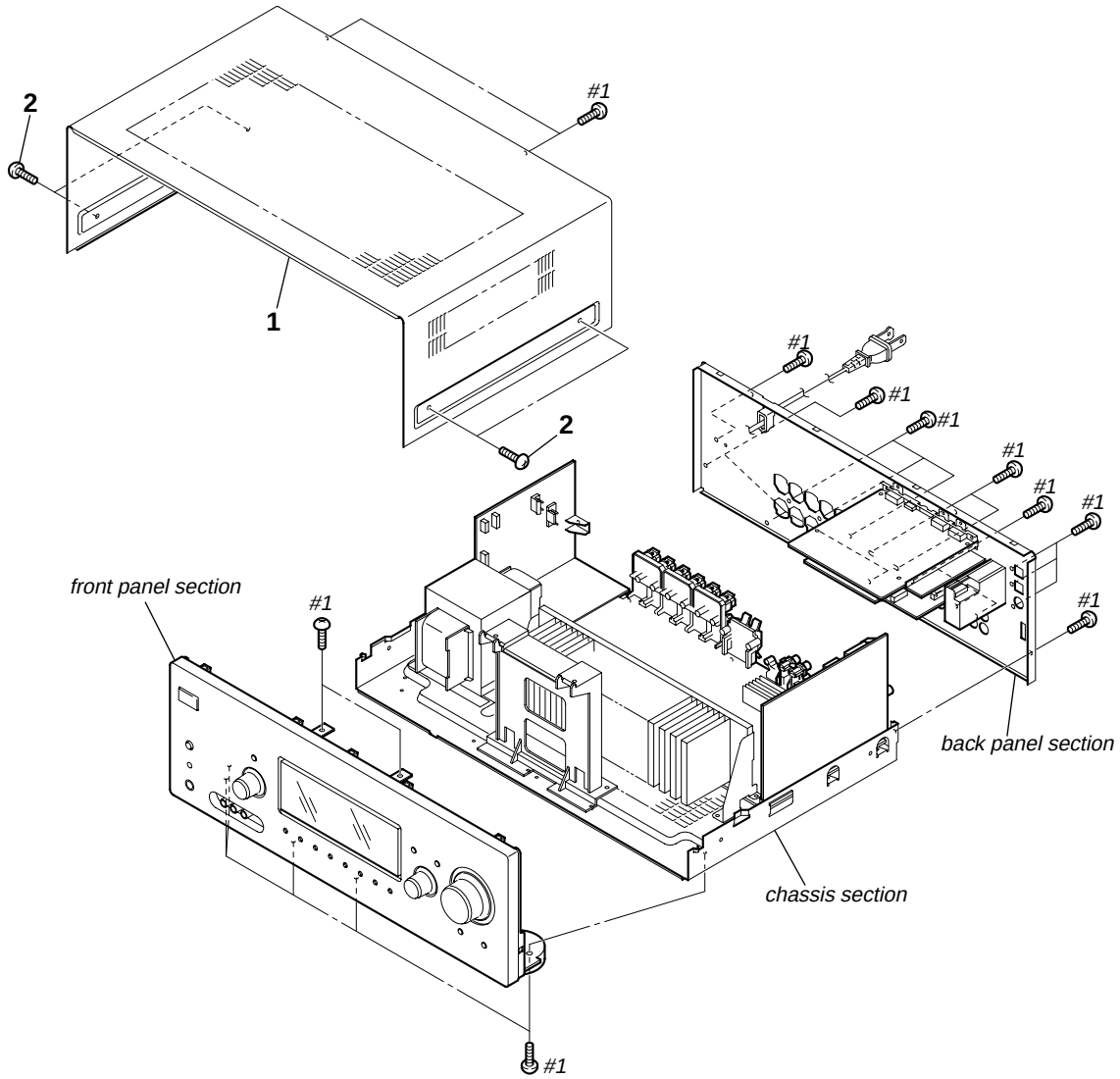
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

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

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

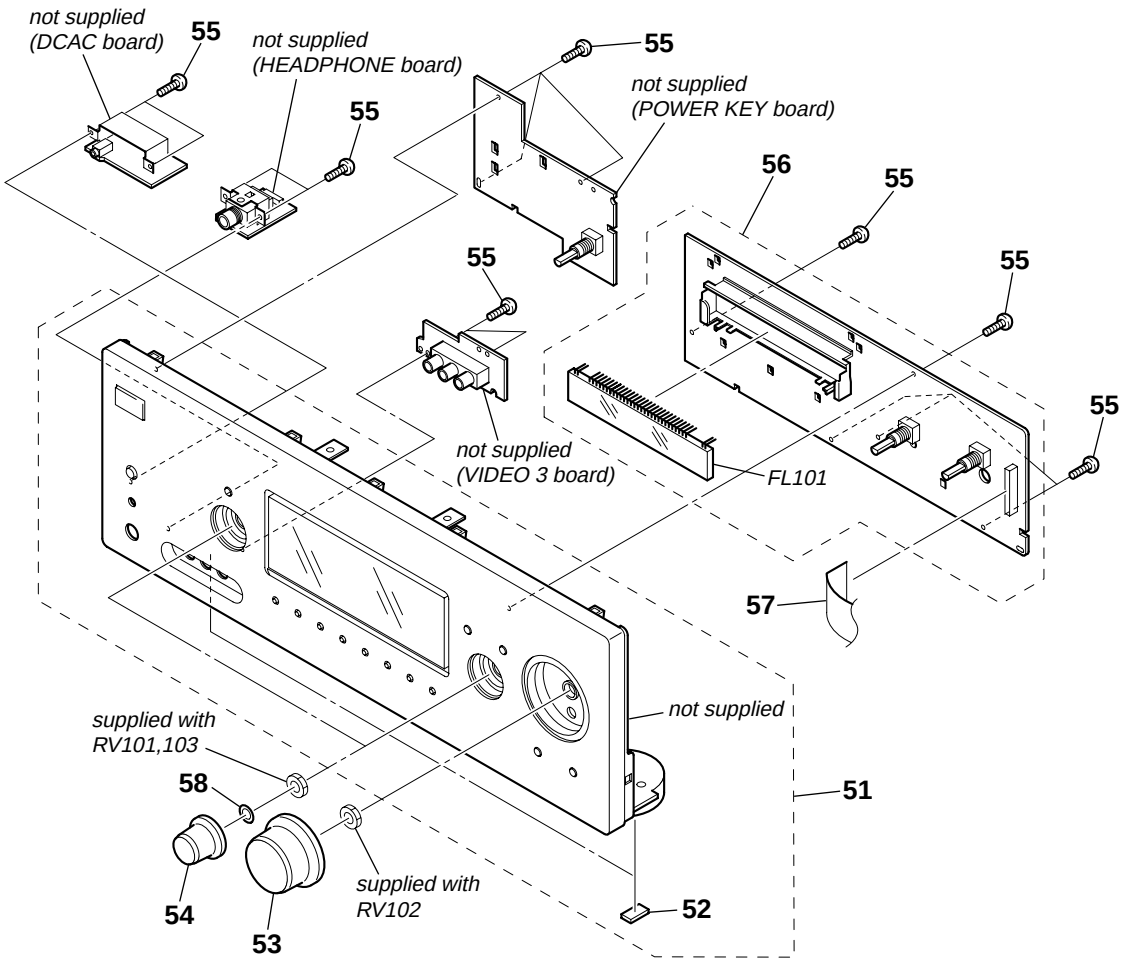
Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

6-1. CASE SECTION



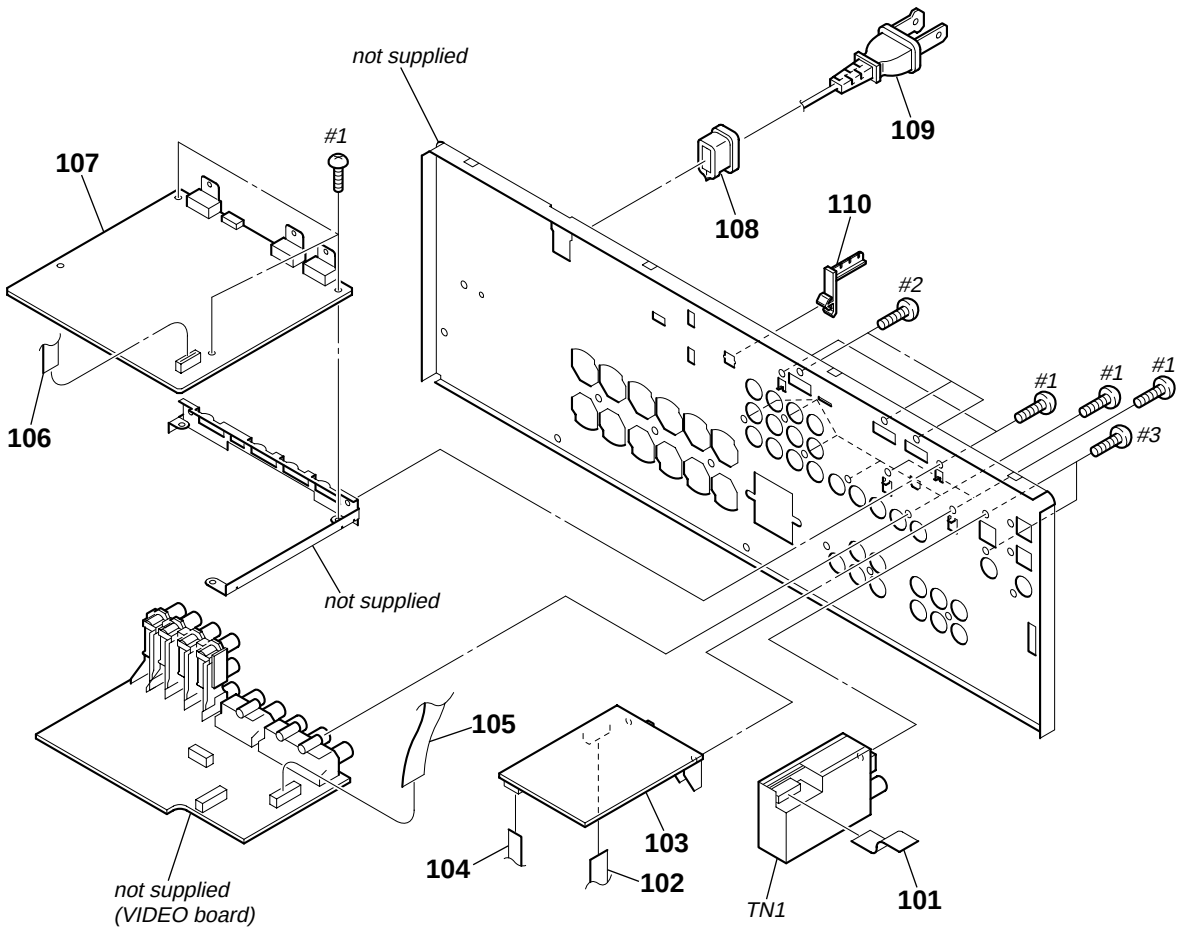
Ref. No.	Part No.	Description	Remark
1	2-661-145-11	CASE (BLACK)...(BLACK)	
1	2-661-145-31	CASE (SILVER)...(SILVER)	
2	3-363-099-02	SCREW (CASE 3 TP2) (BLACK)...(BLACK)	
2	3-363-099-11	SCREW (CASE 3 TP2) (SILVER)...(SILVER)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

6-2. FRONT PANEL SECTION



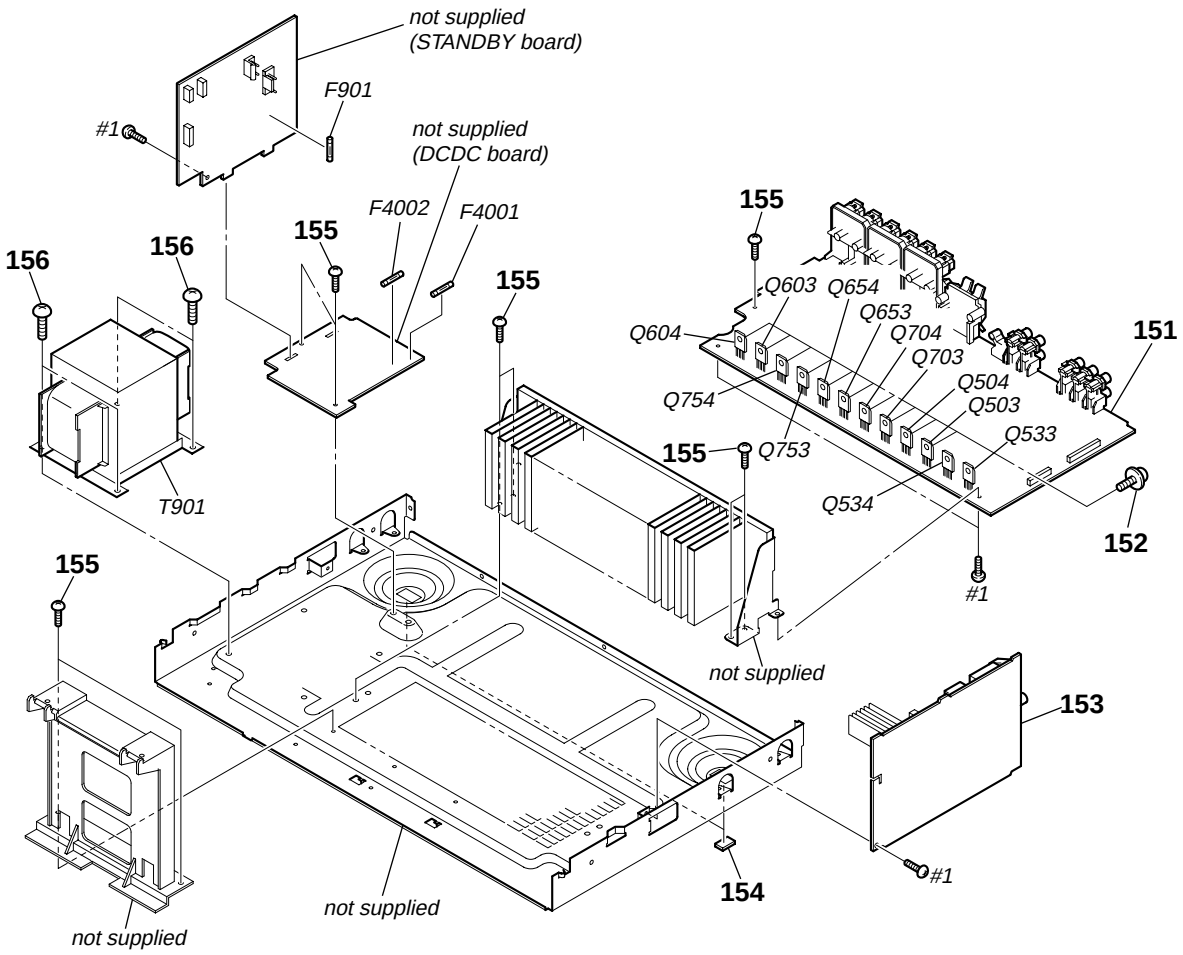
Ref. No.	Part No.	Description	Remark
51	X-2176-234-1	FRONT PANEL ASSY (BLACK)...(BLACK) (US)	
51	X-2176-235-1	FRONT PANEL ASSY (BLACK)...(BLACK)	(AEP,UK)
51	X-2176-236-1	FRONT PANEL ASSY (SILVER)...(SILVER)	(AUS,MY,SP,TH)
51	X-2176-511-1	FRONT PANEL ASSY (BLACK)...(BLACK) (CND)	
51	X-2176-520-1	FRONT PANEL ASSY (SILVER)...(SILVER)	(AEP,UK)
52	4-977-358-01	CUSHION	
53	2-661-142-01	KNOB (VOLUME) (BLACK)...(BLACK)	
53	2-661-142-11	KNOB (VOLUME) (SILVER)...(SILVER)	
54	2-661-141-01	KNOB (MENU) (BLACK)...(BLACK)	
54	2-661-141-11	KNOB (MENU) (SILVER)...(SILVER)	
55	3-087-053-01	+BVTP 2.6 (3CR)	
56	A-1225-205-A	DISPLAY BOARD, COMPLETE (US,CND)	
56	A-1225-206-A	DISPLAY BOARD, COMPLETE (AEP,UK)	
56	A-1225-207-A	DISPLAY BOARD, COMPLETE (MY,SP,TH)	
56	A-1225-208-A	DISPLAY BOARD, COMPLETE (AUS)	
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
101	1-828-953-11	WIRE (FLAT TYPE) (9 CORE) (EXCEPT AEP,UK)	
101	1-828-963-11	WIRE (FLAT TYPE) (11 CORE) (AEP,UK)	
102	1-828-957-11	WIRE (FLAT TYPE) (9 CORE)	
103	A-1267-502-A	XM BOARD, COMPLETE (US,CND)	
104	1-828-935-11	WIRE (FLAT TYPE) (5 CORE) (US,CND)	
105	1-828-946-11	WIRE (FLAT TYPE) (7 CORE)	
106	1-828-560-11	WIRE (FLAT TYPE) (7 CORE)	
🔒 107	A-1253-209-A	HDMI RE BOARD, COMPLETE (for SERVICE)	
* 108	3-703-244-00	BUSHING (2104), CORD (EXCEPT TH)	
108	4-916-783-01	BUSHING, CORD (TH)	
⚠109	1-777-071-83	CORD, POWER (AEP,UK,MY,SP)	
⚠109	1-783-820-11	CORD, POWER (US,CND)	
⚠109	1-833-566-21	CORD, POWER (AUS)	
⚠109	1-834-288-11	CORD, POWER (TH)	
110	4-956-370-12	BAND, PLUG FIXED (UK)	
TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA) (US)	
TN1	1-693-733-11	TUNER (FM/AM) (ANTENNA) (CND)	
TN1	1-693-735-11	TUNER (FM/AM) (ANTENNA) (AUS,MY,SP,TH)	
TN1	1-693-737-11	TUNER (FM/AM) (ANTENNA) (AEP,UK)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
#3	7-685-862-09	SCREW +BVTT 2.6X6 (S)	

6-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
151	A-1224-702-A	MAIN BOARD, COMPLETE (US,CND)	
151	A-1224-704-A	MAIN BOARD, COMPLETE (AEP,UK,AUS)	
151	A-1224-705-A	MAIN BOARD, COMPLETE (MY,SP,TH)	
152	3-905-609-01	SCREW (TRANSISTOR)	
153	A-1225-226-A	DIGITAL BOARD, COMPLETE (US,CND)	
153	A-1225-227-A	DIGITAL BOARD, COMPLETE (AEP,UK)	
153	A-1225-228-A	DIGITAL BOARD, COMPLETE (MY,SP,TH)	
153	A-1225-229-A	DIGITAL BOARD, COMPLETE (AUS)	
154	4-977-358-01	CUSHION	
155	3-077-331-21	+BV 3 (3-CR)	
156	4-249-675-01	+BV SUMITITE S 4X6 ROUND	
⚠F901	1-532-464-33	FUSE (2.5A/250V) (EXCEPT US,CND)	
⚠F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V)	(US,CND)
⚠F4001	1-532-465-33	FUSE (3.15A/250V)	
⚠F4002	1-532-465-33	FUSE (3.15A/250V)	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK	

Ref. No.	Part No.	Description	Remark
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q533	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q534	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠T901	1-439-550-21	TRANSFORMER, POWER (MAIN) (AEP,UK,AUS)	
⚠T901	1-439-583-11	TRANSFORMER, POWER (MAIN) (US,CND)	
⚠T901	1-445-019-11	TRANSFORMER, POWER (MAIN) (MY,SP,TH)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

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.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH
- 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 ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

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

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

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

Ref. No.	Part No.	Description			Remark
		DCAC BOARD			
		**********			
		< CAPACITOR >			
C2001	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
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
C2006	1-126-160-11	ELECT	1uF	20%	50V
C2008	1-162-924-11	CERAMIC CHIP	56PF	5%	50V
C2010	1-164-373-11	CERAMIC CHIP	0.033uF		25V
C2011	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C2012	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C2013	1-126-160-11	ELECT	1uF	20%	50V
C2014	1-124-465-00	ELECT	0.47uF	20%	50V
C2018	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2205	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP,UK,AUS)
		< DIODE >			
D2013	8-719-988-61	DIODE 1SS355TE-17			
D2014	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC2000	8-759-710-97	IC NJM4565M-D			
		< JACK >			
J2000	1-820-056-11	JACK (SMALL TYPE) (AUTO CAL MIC)			
		< RESISTOR >			
R2000	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2001	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2005	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2006	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2007	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2008	1-216-854-11	METAL CHIP	560K	5%	1/10W
R2010	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2015	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2016	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2018	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R2019	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< LEAD WIRE >			
* TP2000	1-690-880-31	LEAD (WITH CONNECTOR) (AEP,UK,AUS)			
**********					
		DCDC BOARD			
		**********			
	1-533-313-11	HOLDER, FUSE			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C4002	1-128-549-11	ELECT	3300uF	20%	35V
C4003	1-115-814-11	ELECT	0.001F	20%	35V
C4004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4005	1-128-950-21	ELECT	1000uF	20%	16V
C4006	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C4007	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C4009	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V (US,CND)
C4010	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C4100	1-115-814-11	ELECT	0.001F	20%	35V
C4102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4103	1-128-950-21	ELECT	1000uF	20%	16V
		< CONNECTOR >			
CN4101	1-779-977-11	PIN, CONNECTOR 6P			
		< DIODE >			
D4001	8-719-081-52	DIODE D5SBA20-4003			
D4803	8-719-080-53	DIODE RK36LF-B3			
D4804	8-719-080-53	DIODE RK36LF-B3			
		< IC >			
IC4001	8-759-474-09	IC SI-8050S-LF1101			
IC4100	8-759-659-28	IC SI-8033S			
		< COIL >			
L4000	1-456-545-11	INDUCTOR	100uH		
L4001	1-456-545-11	INDUCTOR	100uH		
L4100	1-456-545-11	INDUCTOR	100uH		
L4101	1-456-545-11	INDUCTOR	100uH		
		< RESISTOR >			
R4000	1-216-823-11	METAL CHIP	1.5K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R4001	1-216-817-11	METAL CHIP	470	5%	1/10W
R4002	1-216-819-11	METAL CHIP	680	5%	1/10W
R4100	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R4101	1-216-817-11	METAL CHIP	470	5%	1/10W
R4102	1-216-819-11	METAL CHIP	680	5%	1/10W
**********					
	A-1225-226-A	DIGITAL BOARD, COMPLETE (US,CND)			
	A-1225-227-A	DIGITAL BOARD, COMPLETE (AEP,UK)			
	A-1225-228-A	DIGITAL BOARD, COMPLETE (MY,SP,TH)			
	A-1225-229-A	DIGITAL BOARD, COMPLETE (AUS)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1001	1-126-925-11	ELECT	470uF	20%	10V
C1002	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C1004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1005	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1019	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1021	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C1022	1-135-372-31	ELECT	470uF	20%	10V
C1031	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C1032	1-135-372-31	ELECT	470uF	20%	10V
C1066	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
				(EXCEPT MY,SP,TH)	
C1067	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
				(EXCEPT MY,SP,TH)	
C1068	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
				(EXCEPT MY,SP,TH)	
C1071	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1079	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1100	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1103	1-126-947-11	ELECT	47uF	20%	35V
C1118	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1119	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1121	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1122	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1123	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1124	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1131	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1140	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1141	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1142	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1144	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1145	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1146	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1171	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1172	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1301	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1303	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1304	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C1305	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1306	1-126-947-11	ELECT	47uF	20%	35V
C1308	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1312	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1314	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1315	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1316	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1331	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1351	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1354	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1355	1-104-662-11	ELECT	22uF	20%	25V
C1358	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V
C1361	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1362	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1401	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1402	1-126-947-11	ELECT	47uF	20%	35V
C1403	1-126-964-11	ELECT	10uF	20%	50V
C1404	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1405	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1406	1-126-964-11	ELECT	10uF	20%	50V
C1407	1-126-964-11	ELECT	10uF	20%	50V
C1408	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1409	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1414	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1415	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1418	1-126-964-11	ELECT	10uF	20%	50V
C1422	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1423	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1428	1-126-964-11	ELECT	10uF	20%	50V
C1432	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1433	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1438	1-126-964-11	ELECT	10uF	20%	50V
C1441	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1442	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1448	1-126-964-11	ELECT	10uF	20%	50V
C1450	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1451	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1453	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1454	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1455	1-126-964-11	ELECT	10uF	20%	50V
C1457	1-126-964-11	ELECT	10uF	20%	50V
C1458	1-126-964-11	ELECT	10uF	20%	50V
C1462	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1463	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1468	1-126-964-11	ELECT	10uF	20%	50V
C1473	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1474	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1478	1-126-964-11	ELECT	10uF	20%	50V
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
C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1501	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1502	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1503	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1504	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1505	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1506	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1507	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1508	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1509	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1510	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1511	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1513	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1514	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1515	1-126-925-11	ELECT	470uF	20%	10V
C1516	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1517	1-126-925-11	ELECT	470uF	20%	10V
C1518	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1519	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1520	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1525	1-126-925-11	ELECT	470uF	20%	10V
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1557	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1604	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1605	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1620	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1661	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1667	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1701	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1702	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1703	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1704	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1705	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1706	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1707	1-126-960-11	ELECT	1uF	20%	50V
C1905	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1906	1-126-925-11	ELECT	470uF	20%	10V
C1908	1-126-925-11	ELECT	470uF	20%	10V
C1910	1-165-722-11	ELECT	100uF	20%	10V
C1911	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1913	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C1914	1-126-947-11	ELECT	47uF	20%	35V
C1919	1-126-965-11	ELECT	22uF	20%	50V
C1920	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1921	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1949	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1950	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1951	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C1952	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C1953	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
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
C1970	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1971	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2281	1-126-925-11	ELECT	470uF	20%	10V
		< CONNECTOR >			
* CNP505	1-564-510-11	PLUG, CONNECTOR 7P			
CNP506	1-691-771-11	PLUG (MICRO CONNECTOR) 9P			
* CNP512	1-564-506-11	PLUG, CONNECTOR 3P			
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
CNS502	1-573-825-11	CONNECTOR, BOARD TO BOARD 11P			
CNS503	1-568-828-11	CONNECTOR, FFC 9P (US,CND)			
CNS504	1-784-731-11	CONNECTOR, FFC 9P			
CNS506	1-784-366-51	CONNECTOR, FFC/FPC 7P			
CNS507	1-568-828-11	CONNECTOR, FFC 9P (EXCEPT AEP,UK)			
CNS508	1-568-830-11	CONNECTOR, FFC 11P (AEP,UK)			
CNS509	1-568-826-11	CONNECTOR, FFC 7P			
CNS514	1-784-780-11	CONNECTOR, FFC 19P			
		< DIODE >			
D1001	8-719-053-18	DIODE 1SR154-400TE-25			
D1003	8-719-049-09	DIODE 1SS367-T3SONY			
D1004	8-719-049-09	DIODE 1SS367-T3SONY			
D1107	8-719-404-50	DIODE MA111-TX			
D1108	8-719-404-50	DIODE MA111-TX			
D1109	8-719-404-50	DIODE MA111-TX			
D1110	8-719-404-50	DIODE MA111-TX			
D1111	8-719-404-50	DIODE MA111-TX			
D1301	8-719-404-50	DIODE MA111-TX			
D1302	8-719-404-50	DIODE MA111-TX			
D1501	8-719-049-09	DIODE 1SS367-T3SONY			
D1502	8-719-049-09	DIODE 1SS367-T3SONY			
D1503	8-719-049-09	DIODE 1SS367-T3SONY			
D1504	8-719-049-09	DIODE 1SS367-T3SONY			
D1701	8-719-060-48	DIODE RB751V-40TE-17			
		< FERRITE BEAD >			
FB1101	1-400-862-11	BEAD, FERRITE			
FB1302	1-400-862-11	BEAD, FERRITE			
FB1305	1-400-862-11	BEAD, FERRITE			
FB1308	1-400-862-11	BEAD, FERRITE			
FB1309	1-400-862-11	BEAD, FERRITE			
FB1310	1-400-862-11	BEAD, FERRITE			
FB1350	1-400-862-11	BEAD, FERRITE			
FB1405	1-400-862-11	BEAD, FERRITE			
FB1452	1-400-862-11	BEAD, FERRITE			
FB1453	1-400-862-11	BEAD, FERRITE			
FB1501	1-400-862-11	BEAD, FERRITE			
FB1502	1-400-862-11	BEAD, FERRITE			
FB1503	1-400-862-11	BEAD, FERRITE			
FB1504	1-469-670-21	FERRITE, EMI (SMD) (2012)			
FB1505	1-400-862-11	BEAD, FERRITE			
		< IC >			
IC1001	8-759-231-53	IC TA7805S			
IC1017	8-759-680-48	IC TC7WH157FK(TE85R)			
IC1031	6-705-469-01	IC BA50BC0FP-E2			
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G			
IC1131	6-705-866-01	IC BR24L16FJ-WE2			

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

Ref. No.	Part No.	Description			Remark
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W
R1156	1-216-864-11	SHORT CHIP	0		
R1157	1-216-864-11	SHORT CHIP	0		
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W
R1161	1-216-809-11	METAL CHIP	100	5%	1/10W
R1164	1-216-864-11	SHORT CHIP	0		
R1175	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1183	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1184	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1185	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1188	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1193	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AUS)
R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP,UK,MY,SP,TH)
R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP,UK)
R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (MY,SP,TH)
R1194	1-216-841-11	METAL CHIP	47K	5%	1/10W (AUS)
R1194	1-216-864-11	SHORT CHIP	0 (US,CND)		
R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1253	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1305	1-216-819-11	METAL CHIP	680	5%	1/10W
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1319	1-216-864-11	SHORT CHIP	0		
R1321	1-216-864-11	SHORT CHIP	0		
R1323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1325	1-216-864-11	SHORT CHIP	0		
R1327	1-216-809-11	METAL CHIP	100	5%	1/10W
R1331	1-216-809-11	METAL CHIP	100	5%	1/10W
R1332	1-216-809-11	METAL CHIP	100	5%	1/10W
R1333	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1351	1-216-809-11	METAL CHIP	100	5%	1/10W
R1352	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1353	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1354	1-216-809-11	METAL CHIP	100	5%	1/10W
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1356	1-216-817-11	METAL CHIP	470	5%	1/10W
R1357	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1401	1-216-809-11	METAL CHIP	100	5%	1/10W
R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1409	1-216-864-11	SHORT CHIP	0		
R1410	1-216-817-11	METAL CHIP	470	5%	1/10W
R1411	1-216-817-11	METAL CHIP	470	5%	1/10W
R1416	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1420	1-216-864-11	SHORT CHIP	0		
R1424	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1425	1-216-864-11	SHORT CHIP	0		
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1434	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1435	1-216-864-11	SHORT CHIP	0		
R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1444	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1445	1-216-864-11	SHORT CHIP	0		
R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1454	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1455	1-216-864-11	SHORT CHIP	0		
R1460	1-216-864-11	SHORT CHIP	0		
R1461	1-216-864-11	SHORT CHIP	0		
R1463	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1464	1-216-864-11	SHORT CHIP	0		
R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1469	1-216-809-11	METAL CHIP	100	5%	1/10W
R1470	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1471	1-216-864-11	SHORT CHIP	0		
R1472	1-216-864-11	SHORT CHIP	0		
R1473	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1475	1-216-864-11	SHORT CHIP	0		
R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1483	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1484	1-216-864-11	SHORT CHIP	0		
R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1490	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1491	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1492	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1493	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1494	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1495	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1503	1-216-813-11	METAL CHIP	220	5%	1/10W
R1504	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
R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1512	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1514	1-216-809-11	METAL CHIP	100	5%	1/10W
R1516	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W
R1530	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1531	1-216-809-11	METAL CHIP	100	5%	1/10W
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W
R1557	1-216-813-11	METAL CHIP	220	5%	1/10W
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1602	1-216-864-11	SHORT CHIP	0		
R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1637	1-216-864-11	SHORT CHIP	0		
R1701	1-216-864-11	SHORT CHIP	0		
R1702	1-216-813-11	METAL CHIP	220	5%	1/10W
R1703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1704	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1707	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1708	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1709	1-216-809-11	METAL CHIP	100	5%	1/10W
R1710	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1711	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1712	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1713	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1714	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1716	1-216-809-11	METAL CHIP	100	5%	1/10W
R1801	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R1802	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R1804	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R1805	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R1806	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R1807	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
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		
		< NETWORK RESISTOR >			
RB1500	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1501	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1502	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1503	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1504	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1506	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1507	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1508	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
		< VIBRATOR >			
X1101	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			
X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)			
X1502	1-813-276-21	QUARTZ, CRYSTAL (13.9MHz)			
**********					
	A-1225-205-A	DISPLAY BOARD, COMPLETE (US,CND)			
	A-1225-206-A	DISPLAY BOARD, COMPLETE (AEP,UK)			
	A-1225-207-A	DISPLAY BOARD, COMPLETE (MY,SP,TH)			
	A-1225-208-A	DISPLAY BOARD, COMPLETE (AUS)			
		**********			
		< CAPACITOR >			
C110	1-162-286-31	CERAMIC	220PF	10%	50V
C111	1-162-286-31	CERAMIC	220PF	10%	50V
C112	1-162-286-31	CERAMIC	220PF	10%	50V
C114	1-127-888-11	CERAMIC	0.1uF	10%	50V
C115	1-126-964-11	ELECT	10uF	20%	50V
C144	1-127-888-11	CERAMIC	0.1uF	10%	50V
C145	1-127-888-11	CERAMIC	0.1uF	10%	50V
C147	1-162-286-31	CERAMIC	220PF	10%	50V
C148	1-126-964-11	ELECT	10uF	20%	50V
C149	1-162-286-31	CERAMIC	220PF	10%	50V
C160	1-127-888-11	CERAMIC	0.1uF	10%	50V
C162	1-127-888-11	CERAMIC	0.1uF	10%	50V
C164	1-162-286-31	CERAMIC	220PF	10%	50V
C165	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
* CN104	1-691-746-11	CONNECTOR, BOARD TO BOARD 5P			
CNP106	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CNS101	1-784-780-11	CONNECTOR, FFC 19P			
		< VACUUM FLUORESCENT DISPLAY >			
FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY			
		< IC >			
IC100	8-759-643-83	IC uPD16315GB-3BS			
IC101	8-759-243-51	IC TC74ACT08P			
IC103	6-600-349-31	IC NJL24H400A (IR)			
		< RESISTOR >			
R101	1-249-409-11	CARBON	220	5%	1/4W
R102	1-249-411-11	CARBON	330	5%	1/4W
R103	1-249-413-11	CARBON	470	5%	1/4W
R104	1-249-415-11	CARBON	680	5%	1/4W
R105	1-247-831-11	CARBON	1K	5%	1/4W

DISPLAY **HDMI RE**

Ref. No.	Part No.	Description			Remark
R106	1-249-419-11	CARBON	1.5K	5%	1/4W
R107	1-249-421-11	CARBON	2.2K	5%	1/4W
R108	1-249-409-11	CARBON	220	5%	1/4W
R109	1-249-411-11	CARBON	330	5%	1/4W
R110	1-249-413-11	CARBON	470	5%	1/4W
R115	1-247-807-31	CARBON	100	5%	1/4W
R116	1-247-807-31	CARBON	100	5%	1/4W
R117	1-247-807-31	CARBON	100	5%	1/4W
R118	1-249-440-11	CARBON	82K	5%	1/4W
R119	1-247-807-31	CARBON	100	5%	1/4W
R120	1-249-393-11	CARBON	10	5%	1/4W F
R197	1-249-385-11	CARBON	2.2	5%	1/4W F (EXCEPT US,CND)
R197	1-249-387-81	CARBON	3.3	5%	1/4W F (US,CND)
R198	1-249-385-11	CARBON	2.2	5%	1/4W F (EXCEPT US,CND)
R198	1-249-387-81	CARBON	3.3	5%	1/4W F (US,CND)
		< ROTARY ENCODER >			
RV101	1-418-817-11	ENCODER, ROTARY (INPUT SELECTOR)			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
		< SWITCH >			
S101	1-771-410-21	SWITCH, TACTILE (DIRECT)			
S102	1-771-410-21	SWITCH, TACTILE (AUTO CAL)			
S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S105	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S106	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S107	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S108	1-771-410-21	SWITCH, TACTILE (2CH)			
S109	1-771-410-21	SWITCH, TACTILE (CATEGORY +)			
S110	1-771-410-21	SWITCH, TACTILE (CATEGORY –)			
S111	1-771-410-21	SWITCH, TACTILE (CATEGORY MODE)			
S112	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)			
**********					
🔒	A-1253-209-A	HDMI RE BOARD, COMPLETE (for SERVICE)			
		**********			
		< CAPACITOR >			
C3501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3519	1-126-210-21	ELECT CHIP	220uF	20%	4V
C3520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3521	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3522	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3526	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3529	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3530	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3535	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3536	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3537	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3538	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3539	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3540	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3541	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3542	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3543	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3544	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3545	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3547	1-100-053-21	ELECT CHIP	220uF	20%	6.3V
C3548	1-126-210-21	ELECT CHIP	220uF	20%	4V
C3549	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3550	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3551	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3552	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3553	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3555	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3556	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3558	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3561	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3562	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3563	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3564	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3571	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3572	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3573	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3574	1-126-210-21	ELECT CHIP	220uF	20%	4V
C3575	1-100-053-21	ELECT CHIP	220uF	20%	6.3V
C3576	1-165-667-21	ELECT CHIP	100uF	20%	6.3V
C3579	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3580	1-165-667-21	ELECT CHIP	100uF	20%	6.3V
C3584	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3585	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3586	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3590	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V

Ref. No.	Part No.	Description			Remark
C3591	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3593	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3594	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3596	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3597	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3615	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3616	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3617	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3618	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3619	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3621	1-112-791-11	ELECT CHIP	100uF	20%	16V
C3625	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3627	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3630	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3631	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3633	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3634	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3635	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3643	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3644	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
		< CONNECTOR >			
CN3501	1-820-735-11	CONNECTOR, HDMI 19P (HDMI DVD IN)			
CN3502	1-820-735-11	CONNECTOR, HDMI 19P (HDMI VIDEO 2/BD IN)			
CN3504	1-820-735-11	CONNECTOR, HDMI 19P (HDMI OUT)			
CN3509	1-779-993-11	PIN, CONNECTOR (PWB) 5P			
CN3510	1-784-859-51	CONNECTOR, FFC (LIF(NON-ZIF)) 7P			
CN3512	1-785-466-41	CONNECTOR, FFC/FPC 7P			
		< DIODE >			
D3501	8-719-988-61	DIODE 1SS355TE-17			
D3502	8-719-988-61	DIODE 1SS355TE-17			
D3511	8-719-988-61	DIODE 1SS355TE-17			
D3512	8-719-988-61	DIODE 1SS355TE-17			
		< TERMINAL >			
ET3503	1-780-318-11	TERMINAL			
		< FERRITE BEAD >			
FB3501	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3502	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3503	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3504	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3505	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3506	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3508	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3509	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3510	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3511	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3512	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3513	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3514	1-414-234-22	INDUCTOR, FERRITE BEAD			
		< IC >			
IC3501	8-759-389-26	IC 74LCX08MTCX			
IC3503	6-710-819-01	IC TMDS341APFCR			
IC3504	8-759-596-39	IC SN74LV4052APWR			
IC3507	6-708-758-01	IC PCA9517DP.118			
IC3509	6-704-001-01	IC BR24L02F-WE2			
IC3511	(Not supplied)	IC SII9011CLU			
IC3513	(Not supplied)	IC SII9030CTU-7			
IC3516	6-705-337-01	IC TK11150CSCL-G			
IC3519	6-807-228-01	IC M30620FCPGP-RPT02			
IC3521	8-759-596-39	IC SN74LV4052APWR			
IC3526	6-707-744-01	IC SI-3033KM-TL			
IC3527	6-707-744-01	IC SI-3033KM-TL			
IC3528	8-759-832-05	IC BA18BC0FP-E2			
		< TRANSISTOR >			
Q3504	6-550-014-01	FET SSM6N15FU(TE85R)			
Q3505	8-729-600-22	TRANSISTOR 2SA1235-F			
Q3506	8-729-600-22	TRANSISTOR 2SA1235-F			
		< RESISTOR >			
R3500	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3502	1-216-864-11	SHORT CHIP	0		
R3504	1-216-864-11	SHORT CHIP	0		
R3509	1-216-805-11	METAL CHIP	47	5%	1/10W
R3511	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3512	1-216-805-11	METAL CHIP	47	5%	1/10W
R3513	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3519	1-216-864-11	SHORT CHIP	0		
R3521	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3524	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3525	1-218-844-11	METAL CHIP	750	0.5%	1/10W
R3526	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R3527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3532	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3533	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3535	1-216-864-11	SHORT CHIP	0		
R3536	1-216-864-11	SHORT CHIP	0		
R3541	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3542	1-216-864-11	SHORT CHIP	0		
R3544	1-216-805-11	METAL CHIP	47	5%	1/10W
R3545	1-216-805-11	METAL CHIP	47	5%	1/10W
R3546	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3548	1-216-803-11	METAL CHIP	33	5%	1/10W
R3549	1-216-809-11	METAL CHIP	100	5%	1/10W
R3550	1-216-809-11	METAL CHIP	100	5%	1/10W
R3551	1-216-809-11	METAL CHIP	100	5%	1/10W
R3552	1-216-809-11	METAL CHIP	100	5%	1/10W
R3554	1-216-809-11	METAL CHIP	100	5%	1/10W
R3556	1-216-809-11	METAL CHIP	100	5%	1/10W
R3557	1-216-805-11	METAL CHIP	47	5%	1/10W
R3558	1-216-864-11	SHORT CHIP	0		
R3562	1-216-864-11	SHORT CHIP	0		
R3563	1-216-809-11	METAL CHIP	100	5%	1/10W
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.

HDMI RE **HEADPHONE**

Ref. No.	Part No.	Description			Remark
R3570	1-216-809-11	METAL CHIP	100	5%	1/10W
R3576	1-216-805-11	METAL CHIP	47	5%	1/10W
R3577	1-216-805-11	METAL CHIP	47	5%	1/10W
R3578	1-216-809-11	METAL CHIP	100	5%	1/10W
R3579	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3580	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R3581	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3582	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R3583	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3584	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3585	1-216-864-11	SHORT CHIP	0		
R3586	1-216-864-11	SHORT CHIP	0		
R3587	1-216-864-11	SHORT CHIP	0		
R3588	1-216-864-11	SHORT CHIP	0		
R3589	1-216-864-11	SHORT CHIP	0		
R3590	1-216-864-11	SHORT CHIP	0		
R3591	1-216-864-11	SHORT CHIP	0		
R3592	1-216-864-11	SHORT CHIP	0		
R3593	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3594	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3597	1-216-864-11	SHORT CHIP	0		
R3598	1-216-864-11	SHORT CHIP	0		
R3599	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3600	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3601	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3602	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3603	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3604	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3608	1-216-805-11	METAL CHIP	47	5%	1/10W
R3609	1-216-805-11	METAL CHIP	47	5%	1/10W
R3610	1-216-805-11	METAL CHIP	47	5%	1/10W
R3611	1-216-805-11	METAL CHIP	47	5%	1/10W
R3612	1-216-805-11	METAL CHIP	47	5%	1/10W
R3613	1-216-805-11	METAL CHIP	47	5%	1/10W
R3614	1-216-805-11	METAL CHIP	47	5%	1/10W
R3615	1-216-805-11	METAL CHIP	47	5%	1/10W
R3616	1-216-805-11	METAL CHIP	47	5%	1/10W
R3621	1-216-805-11	METAL CHIP	47	5%	1/10W
R3622	1-216-805-11	METAL CHIP	47	5%	1/10W
R3623	1-216-805-11	METAL CHIP	47	5%	1/10W
R3624	1-216-801-11	METAL CHIP	22	5%	1/10W
R3625	1-216-801-11	METAL CHIP	22	5%	1/10W
R3633	1-216-864-11	SHORT CHIP	0		
R3634	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3639	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3642	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3645	1-216-809-11	METAL CHIP	100	5%	1/10W
R3652	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3653	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3654	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3660	1-216-864-11	SHORT CHIP	0		
R3661	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3662	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3676	1-216-809-11	METAL CHIP	100	5%	1/10W
R3700	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3711	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3712	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3713	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3714	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3741	1-216-817-11	METAL CHIP	470	5%	1/10W
R3744	1-216-805-11	METAL CHIP	47	5%	1/10W
R3745	1-216-805-11	METAL CHIP	47	5%	1/10W
R3747	1-216-864-11	SHORT CHIP	0		
R3748	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3749	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3750	1-216-805-11	METAL CHIP	47	5%	1/10W
R3775	1-216-797-11	METAL CHIP	10	5%	1/10W
R3776	1-216-797-11	METAL CHIP	10	5%	1/10W
R3784	1-216-864-11	SHORT CHIP	0		
R3788	1-216-864-11	SHORT CHIP	0		
R3790	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3792	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3794	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3796	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3797	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3798	1-216-864-11	SHORT CHIP	0		
R3799	1-216-805-11	METAL CHIP	47	5%	1/10W
		< NETWORK RESISTOR >			
RB3501	1-234-723-11	RES, NETWORK 75X4 (1005)			
RB3502	1-234-723-11	RES, NETWORK 75X4 (1005)			
RB3503	1-234-723-11	RES, NETWORK 75X4 (1005)			
RB3504	1-234-723-11	RES, NETWORK 75X4 (1005)			
RB3505	1-234-723-11	RES, NETWORK 75X4 (1005)			
RB3506	1-234-723-11	RES, NETWORK 75X4 (1005)			
		< VIBRATOR >			
X3501	1-813-570-21	VIBRATOR, CRYSTAL (28.322MHz)			
X3502	1-795-244-11	VIBRATOR, CERAMIC (10MHz)			
**********					
		HEADPHONE BOARD			
		**********			
		< CAPACITOR >			
C790	1-127-888-11	CERAMIC	0.1uF	10%	50V
C791	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
* CNP790	1-564-508-11	PLUG, CONNECTOR 5P			
		< JACK >			
J790	1-815-314-21	JACK (PHONES)			
		< LEAD WIRE >			
* TP790	1-690-880-31	LEAD (WITH CONNECTOR)			
**********					

Ref. No.	Part No.	Description			Remark
	A-1224-702-A	MAIN BOARD, COMPLETE (US,CND)			
	A-1224-704-A	MAIN BOARD, COMPLETE (AEP,UK,AUS)			
	A-1224-705-A	MAIN BOARD, COMPLETE (MY,SP,TH)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C400	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C408	1-126-963-11	ELECT	4.7uF	20%	50V
C444	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C453	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C458	1-126-963-11	ELECT	4.7uF	20%	50V
C463	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C464	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C468	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C469	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C471	1-126-963-11	ELECT	4.7uF	20%	50V
C481	1-126-964-11	ELECT	10uF	20%	50V
C484	1-126-964-11	ELECT	10uF	20%	50V
C485	1-126-964-11	ELECT	10uF	20%	50V
C488	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C490	1-126-964-11	ELECT	10uF	20%	50V
C492	1-126-964-11	ELECT	10uF	20%	50V
C493	1-126-964-11	ELECT	10uF	20%	50V
C495	1-126-964-11	ELECT	10uF	20%	50V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C503	1-165-722-11	ELECT	100uF	20%	10V
C504	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C505	1-102-233-00	CERAMIC	33PF	10%	500V
C506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C507	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C510	1-126-947-11	ELECT	47uF	20%	35V
C511	1-136-157-00	FILM	0.022uF	5%	50V
C516	1-162-815-11	CERAMIC	47PF	5%	500V
C517	1-162-815-11	CERAMIC	47PF	5%	500V
C519	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C531	1-136-157-00	FILM	0.022uF	5%	50V
C539	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C540	1-126-964-11	ELECT	10uF	20%	50V
C541	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C553	1-165-722-11	ELECT	100uF	20%	10V
C554	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C561	1-126-963-11	ELECT	4.7uF	20%	50V
C565	1-102-233-00	CERAMIC	33PF	10%	500V
C566	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C567	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C570	1-126-947-11	ELECT	47uF	20%	35V
C576	1-162-815-11	CERAMIC	47PF	5%	500V
C577	1-162-815-11	CERAMIC	47PF	5%	500V
C580	1-126-964-11	ELECT	10uF	20%	50V
C581	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C601	1-126-963-11	ELECT	4.7uF	20%	50V
C603	1-165-722-11	ELECT	100uF	20%	10V
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C605	1-102-233-00	CERAMIC	33PF	10%	500V
C606	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C607	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C610	1-126-947-11	ELECT	47uF	20%	35V
C611	1-136-157-00	FILM	0.022uF	5%	50V
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
C640	1-126-964-11	ELECT	10uF	20%	50V
C642	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C651	1-126-963-11	ELECT	4.7uF	20%	50V
C653	1-165-722-11	ELECT	100uF	20%	10V
C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C655	1-102-233-00	CERAMIC	33PF	10%	500V
C656	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C657	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C660	1-126-947-11	ELECT	47uF	20%	35V
C661	1-136-157-00	FILM	0.022uF	5%	50V
C666	1-162-815-11	CERAMIC	47PF	5%	500V
C669	1-162-815-11	CERAMIC	47PF	5%	500V
C670	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C680	1-126-964-11	ELECT	10uF	20%	50V
C681	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C691	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C701	1-126-963-11	ELECT	4.7uF	20%	50V
C702	1-126-964-11	ELECT	10uF	20%	50V
C703	1-165-722-11	ELECT	100uF	20%	10V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C706	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C707	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C710	1-126-947-11	ELECT	47uF	20%	35V
C711	1-136-157-00	FILM	0.022uF	5%	50V
C716	1-162-815-11	CERAMIC	47PF	5%	500V
C717	1-162-815-11	CERAMIC	47PF	5%	500V
C720	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C721	1-126-923-11	ELECT	220uF	20%	10V
C722	1-126-964-11	ELECT	10uF	20%	50V
C732	1-128-582-11	ELECT	10uF	20%	100V
C733	1-128-582-11	ELECT	10uF	20%	100V
C740	1-126-964-11	ELECT	10uF	20%	50V
C741	1-128-579-11	ELECT	2.2uF	20%	100V
C742	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C743	1-128-579-11	ELECT	2.2uF	20%	100V
C744	1-128-579-11	ELECT	2.2uF	20%	100V
C750	1-126-964-11	ELECT	10uF	20%	50V
C751	1-126-963-11	ELECT	4.7uF	20%	50V
C752	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C753	1-165-722-11	ELECT	100uF	20%	10V
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C756	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C757	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C760	1-126-947-11	ELECT	47uF	20%	35V
C761	1-136-157-00	FILM	0.022uF	5%	50V
C762	1-126-964-11	ELECT	10uF	20%	50V
C766	1-162-815-11	CERAMIC	47PF	5%	500V
C767	1-162-815-11	CERAMIC	47PF	5%	500V
C770	1-162-960-11	CERAMIC CHIP	220PF	10%	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
C802	1-126-947-11	ELECT	47uF	20%	35V
C803	1-109-932-14	ELECT(BLOCK)	0.01F	20%	71V
C804	1-109-932-14	ELECT(BLOCK)	0.01F	20%	71V
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
C808	1-126-947-11	ELECT	47uF	20%	35V
C809	1-100-623-11	CERAMIC CHIP	0.1uF	10%	100V
C810	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C811	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C822	1-126-947-11	ELECT	47uF	20%	35V
C830	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C831	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C832	1-126-936-11	ELECT	3300uF	20%	16V
C3022	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3024	1-126-963-11	ELECT	4.7uF	20%	50V
C3025	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3026	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3027	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3032	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3034	1-126-963-11	ELECT	4.7uF	20%	50V
C3037	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
CC02	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
CC04	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
CC05	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
CC06	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
CC07	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
CC08	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
CC10	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)
CC11	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)
CC12	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)
CC13	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)
CC15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)
CC16	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)
CC17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)
CC18	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,AUS)
CC52	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
CC54	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
CC55	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
CC56	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)
CC58	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,AUS)

< CONNECTOR >

Ref. No.	Part No.	Description
CN500	1-573-843-11	CONNECTOR, BOARD TO BOARD 11P
CN504	1-784-766-11	CONNECTOR, FFC 5P (US,CND)
CN506	1-779-978-11	PIN, CONNECTOR 3P
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P
* CNP503	1-564-506-11	PLUG, CONNECTOR 3P
* CNP507	1-564-507-11	PLUG, CONNECTOR 4P
* CNP801	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P
* CNP802	1-564-509-11	PLUG, CONNECTOR 6P
* CNP912	1-564-506-11	PLUG, CONNECTOR 3P

< DIODE >

Ref. No.	Part No.	Description
D505	6-501-193-01	DIODE 1SS355WTE-17
D540	6-501-193-01	DIODE 1SS355WTE-17
D560	6-501-193-01	DIODE 1SS355WTE-17
D580	6-501-193-01	DIODE 1SS355WTE-17
D585	6-501-193-01	DIODE 1SS355WTE-17
D605	6-501-193-01	DIODE 1SS355WTE-17
D610	6-501-193-01	DIODE 1SS355WTE-17
D611	6-501-193-01	DIODE 1SS355WTE-17
D640	6-501-193-01	DIODE 1SS355WTE-17
D665	6-501-193-01	DIODE 1SS355WTE-17
D680	6-501-193-01	DIODE 1SS355WTE-17
D690	8-719-083-71	DIODE UDZSTE-1730B
D691	6-501-193-01	DIODE 1SS355WTE-17
D701	6-501-193-01	DIODE 1SS355WTE-17
D705	6-501-193-01	DIODE 1SS355WTE-17
D710	6-501-193-01	DIODE 1SS355WTE-17
D721	6-501-193-01	DIODE 1SS355WTE-17
D722	6-501-193-01	DIODE 1SS355WTE-17
D732	6-501-193-01	DIODE 1SS355WTE-17
D733	6-501-193-01	DIODE 1SS355WTE-17
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
IC801	8-759-071-48	IC TA7807S	
IC802	8-759-071-47	IC TA79007S	
IC3002	8-759-710-97	IC NJM4565M-D	
		< JACK >	
J309	1-770-377-21	JACK, PIN 1P (SUB WOOFER AUDIO OUT)	
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 >	
L501	1-420-872-52	COIL, AIR-CORE	
L551	1-420-872-52	COIL, AIR-CORE	
L601	1-420-872-52	COIL, AIR-CORE	
L651	1-420-872-52	COIL, AIR-CORE	
L701	1-420-872-52	COIL, AIR-CORE	
L751	1-420-872-52	COIL, AIR-CORE	
		< TRANSISTOR >	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q502	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q505	8-729-216-31	TRANSISTOR 2SA1163-G	
Q506	8-729-216-31	TRANSISTOR 2SA1163-G	
Q535	8-729-216-31	TRANSISTOR 2SA1163-G	
Q536	8-729-216-31	TRANSISTOR 2SA1163-G	
Q540	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q560	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q571	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q572	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q580	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q605	8-729-216-31	TRANSISTOR 2SA1163-G	
Q606	8-729-216-31	TRANSISTOR 2SA1163-G	
Q610	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q611	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q612	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q640	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q655	8-729-216-31	TRANSISTOR 2SA1163-G	
Q656	8-729-216-31	TRANSISTOR 2SA1163-G	
Q680	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q691	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q692	8-729-029-40	TRANSISTOR DTA124ESA	
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q705	8-729-216-31	TRANSISTOR 2SA1163-G	
Q706	8-729-216-31	TRANSISTOR 2SA1163-G	
Q710	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q722	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q723	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q725	8-729-216-31	TRANSISTOR 2SA1163-G	
Q740	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q750	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q755	8-729-216-31	TRANSISTOR 2SA1163-G	
Q756	8-729-216-31	TRANSISTOR 2SA1163-G	
Q790	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q793	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q795	8-729-216-31	TRANSISTOR 2SA1163-G	
Q801	8-729-140-97	TRANSISTOR 2SB734-34	
		< RESISTOR >	
R402	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R404	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R405	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R406	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R408	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R423	1-216-864-11	SHORT CHIP 0	
R427	1-216-864-11	SHORT CHIP 0	
R428	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R429	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R447	1-216-864-11	SHORT CHIP 0	
R452	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R454	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R455	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R456	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R458	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R468	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R469	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R470	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R471	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R472	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R473	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R474	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R475	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R476	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R480	1-216-864-11	SHORT CHIP 0 (EXCEPT US,CND)	
R481	1-216-864-11	SHORT CHIP 0 (EXCEPT US,CND)	
R501	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R502	1-216-843-11	METAL CHIP 68K 5% 1/10W	
R503	1-208-445-41	RES-CHIP 2.2K 2% 1/10W	
R505	1-208-826-11	METAL CHIP 68K 0.5% 1/10W	
R510	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R511	1-216-844-11	METAL CHIP 82K 5% 1/10W	
R513	1-216-818-11	METAL CHIP 560 5% 1/10W	
R514	1-249-399-11	CARBON 33 5% 1/4W F	
R515	1-249-399-11	CARBON 33 5% 1/4W F	
R516	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W	
R517	1-249-393-11	CARBON 10 5% 1/4W F	
R518	1-249-389-11	CARBON 4.7 5% 1/4W F	
R520	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
R521	1-240-855-11	CARBON 6.2K 5% 1/4W F	
R522	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R523	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R524	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R525	1-216-843-11	METAL CHIP 68K 5% 1/10W	
R526	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W	
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
R537	1-249-393-11	CARBON	10	5%	1/4W F
R540	1-216-837-11	METAL CHIP	22K	5%	1/10W
R546	1-216-835-11	METAL CHIP	15K	5%	1/10W
R553	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R554	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R556	1-216-841-11	METAL CHIP	47K	5%	1/10W
R557	1-216-835-11	METAL CHIP	15K	5%	1/10W
R561	1-216-821-11	METAL CHIP	1K	5%	1/10W
R562	1-216-843-11	METAL CHIP	68K	5%	1/10W
R568	1-249-389-11	CARBON	4.7	5%	1/4W F
R570	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R571	1-216-844-11	METAL CHIP	82K	5%	1/10W
R572	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R573	1-216-841-11	METAL CHIP	47K	5%	1/10W
R574	1-249-399-11	CARBON	33	5%	1/4W F
R575	1-249-399-11	CARBON	33	5%	1/4W F
R576	1-216-818-11	METAL CHIP	560	5%	1/10W
R580	1-216-837-11	METAL CHIP	22K	5%	1/10W
R585	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R586	1-216-841-11	METAL CHIP	47K	5%	1/10W
R587	1-216-835-11	METAL CHIP	15K	5%	1/10W
R588	1-216-835-11	METAL CHIP	15K	5%	1/10W
R601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R602	1-216-843-11	METAL CHIP	68K	5%	1/10W
R603	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R604	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R610	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R611	1-216-844-11	METAL CHIP	82K	5%	1/10W
R613	1-216-818-11	METAL CHIP	560	5%	1/10W
R614	1-249-399-11	CARBON	33	5%	1/4W F
R615	1-249-399-11	CARBON	33	5%	1/4W F
R616	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R617	1-249-393-11	CARBON	10	5%	1/4W F
R618	1-249-389-11	CARBON	4.7	5%	1/4W F
R620	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R621	1-240-855-11	CARBON	6.2K	5%	1/4W F
R622	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R623	1-216-841-11	METAL CHIP	47K	5%	1/10W
R624	1-216-835-11	METAL CHIP	15K	5%	1/10W
R625	1-216-843-11	METAL CHIP	68K	5%	1/10W
R631	1-216-821-11	METAL CHIP	1K	5%	1/10W
R632	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R633	1-216-821-11	METAL CHIP	1K	5%	1/10W
R634	1-249-404-00	CARBON	82	5%	1/4W F
R635	1-249-404-00	CARBON	82	5%	1/4W F
R638	1-216-843-11	METAL CHIP	68K	5%	1/10W
R640	1-216-837-11	METAL CHIP	22K	5%	1/10W
R648	1-216-835-11	METAL CHIP	15K	5%	1/10W
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W
R652	1-216-843-11	METAL CHIP	68K	5%	1/10W
R653	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R654	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R656	1-216-841-11	METAL CHIP	47K	5%	1/10W
R657	1-216-835-11	METAL CHIP	15K	5%	1/10W
R660	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R661	1-216-844-11	METAL CHIP	82K	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
R666	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R667	1-249-393-11	CARBON	10	5%	1/4W F
R668	1-249-389-11	CARBON	4.7	5%	1/4W F
R669	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R671	1-240-855-11	CARBON	6.2K	5%	1/4W F
R672	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R673	1-216-841-11	METAL CHIP	47K	5%	1/10W
R674	1-216-835-11	METAL CHIP	15K	5%	1/10W
R675	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R676	1-216-841-11	METAL CHIP	47K	5%	1/10W
R677	1-216-835-11	METAL CHIP	15K	5%	1/10W
R680	1-216-837-11	METAL CHIP	22K	5%	1/10W
R681	1-216-835-11	METAL CHIP	15K	5%	1/10W
R690	1-216-849-11	METAL CHIP	220K	5%	1/10W
⚠R691	1-215-886-11	METAL OXIDE	100	5%	2W F (US,CND)
⚠R691	1-216-453-00	METAL OXIDE	270	5%	2W F (EXCEPT US,CND)
⚠R692	1-215-889-00	METAL OXIDE	330	5%	2W F (US,CND)
⚠R692	1-216-453-00	METAL OXIDE	270	5%	2W F (EXCEPT US,CND)
R693	1-216-833-11	METAL CHIP	10K	5%	1/10W
R694	1-216-833-11	METAL CHIP	10K	5%	1/10W
R695	1-216-833-11	METAL CHIP	10K	5%	1/10W
R696	1-216-841-11	METAL CHIP	47K	5%	1/10W
R698	1-216-833-11	METAL CHIP	10K	5%	1/10W
R699	1-216-853-11	METAL CHIP	470K	5%	1/10W
R701	1-216-821-11	METAL CHIP	1K	5%	1/10W
R702	1-216-843-11	METAL CHIP	68K	5%	1/10W
R703	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R704	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R710	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R711	1-216-844-11	METAL CHIP	82K	5%	1/10W
R713	1-216-818-11	METAL CHIP	560	5%	1/10W
R714	1-249-399-11	CARBON	33	5%	1/4W F
R715	1-249-399-11	CARBON	33	5%	1/4W F
R716	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R717	1-249-393-11	CARBON	10	5%	1/4W F
R718	1-249-389-11	CARBON	4.7	5%	1/4W F
R719	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R721	1-240-855-11	CARBON	6.2K	5%	1/4W F
R722	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R723	1-216-841-11	METAL CHIP	47K	5%	1/10W
R724	1-216-835-11	METAL CHIP	15K	5%	1/10W
R725	1-216-843-11	METAL CHIP	68K	5%	1/10W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R732	1-249-381-11	CARBON	1	5%	1/4W F
R733	1-249-381-11	CARBON	1	5%	1/4W F
R734	1-249-404-00	CARBON	82	5%	1/4W F
R735	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R736	1-216-821-11	METAL CHIP	1K	5%	1/10W
R737	1-216-840-11	METAL CHIP	39K	5%	1/10W
R738	1-249-404-00	CARBON	82	5%	1/4W F
R740	1-216-837-11	METAL CHIP	22K	5%	1/10W
R741	1-216-230-00	RES-CHIP	22K	2%	1/8W
R743	1-216-230-00	RES-CHIP	22K	2%	1/8W
R744	1-216-230-00	RES-CHIP	22K	2%	1/8W
R745	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R746	1-216-841-11	METAL CHIP	47K	5%	1/10W
R747	1-216-835-11	METAL CHIP	15K	5%	1/10W
R748	1-216-835-11	METAL CHIP	15K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R750	1-216-837-11	METAL CHIP	22K	5%	1/10W
R751	1-216-821-11	METAL CHIP	1K	5%	1/10W
R752	1-216-843-11	METAL CHIP	68K	5%	1/10W
R753	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R754	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R755	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R756	1-216-841-11	METAL CHIP	47K	5%	1/10W
R757	1-216-835-11	METAL CHIP	15K	5%	1/10W
R758	1-216-835-11	METAL CHIP	15K	5%	1/10W
R760	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R761	1-216-844-11	METAL CHIP	82K	5%	1/10W
R763	1-216-818-11	METAL CHIP	560	5%	1/10W
R764	1-249-399-11	CARBON	33	5%	1/4W F
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
R768	1-249-389-11	CARBON	4.7	5%	1/4W F
R769	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R770	1-216-845-11	METAL CHIP	100K	5%	1/10W
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
⚠R792	1-215-868-00	METAL OXIDE	680	5%	1W F
R793	1-249-404-00	CARBON	82	5%	1/4W F
⚠R794	1-215-868-00	METAL OXIDE	680	5%	1W F
R802	1-249-409-11	CARBON	220	5%	1/4W F
R803	1-249-389-11	CARBON	4.7	5%	1/4W F
R804	1-216-833-11	METAL CHIP	10K	5%	1/10W
R806	1-216-837-11	METAL CHIP	22K	5%	1/10W
⚠R910	1-240-877-11	FUSIBLE	0.15	5%	1/2W F
R3010	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3011	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3012	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3013	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3020	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3021	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
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)
RR12	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)
RR13	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)
RR14	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)
RR15	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)
RR16	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)
RR17	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)
RR18	1-249-393-11	CARBON	10	5%	1/4W F (AEP,UK,AUS)

Ref. No.	Part No.	Description			Remark
		< RELAY >			
RY560	1-755-267-11	RELAY			
RY601	1-755-170-11	RELAY (12V)			
RY610	1-755-170-11	RELAY (12V)			
RY701	1-755-170-11	RELAY (12V)			
RY710	1-755-170-11	RELAY (12V)			
RY791	1-755-170-11	RELAY (12V)			
		< TERMINAL BOARD >			
TB001	1-780-449-11	BANANA-PUSH TERMINAL BOARD (8P) (SPEAKERS FRONT A,SURROUND) (EXCEPT US,CND)			
TB001	1-780-498-11	BANANA-PUSH TERMINAL BOARD (8P) (SPEAKERS FRONT A,SURROUND) (US,CND)			
TM602	1-537-240-11	TERMINAL BOARD (CHECKER PIN) (SPEAKERS FRONT B)			
TM603	1-780-451-11	BANANA-PUSH TERMINAL BOARD (4P) (SPEAKERS CENTER,SURROUND BACK) (EXCEPT US,CND)			
TM603	1-780-499-11	BANANA-PUSH TERMINAL BOARD (4P) (SPEAKERS CENTER,SURROUND BACK) (US,CND)			
**********					
		POWER KEY BOARD			
		**********			
		< CONNECTOR >			
* CN103	1-691-670-11	CONNECTOR, BOARD TO BOARD 5P			
		< RESISTOR >			
R111	1-249-415-11	CARBON	680	5%	1/4W
R112	1-247-831-11	CARBON	1K	5%	1/4W
		< ROTARY ENCODER >			
RV103	1-418-817-11	ENCODER, ROTARY (– TUNING +)			
		< SWITCH >			
S100	1-771-410-21	SWITCH, TACTILE (**I**/⏻)			
S113	1-771-410-21	SWITCH, TACTILE (TUNING MODE)			
S115	1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B/A+B))			
**********					
		STANDBY BOARD			
		**********			
	1-533-217-41	HOLDER, FUSE (FH901,902)			
		< CAPACITOR >			
C913	1-127-888-11	CERAMIC	0.1uF	10%	50V
C914	1-127-888-11	CERAMIC	0.1uF	10%	50V
C915	1-126-943-11	ELECT	2200uF	20%	25V
C916	1-126-942-61	ELECT	1000uF	20%	25V
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 (US,CND)
C924	1-126-960-11	ELECT	1uF	20%	50V
C951	1-127-888-11	CERAMIC	0.1uF	10%	50V

STANDBY **VIDEO**

Ref. No.	Part No.	Description			Remark
C952	1-126-942-61	ELECT	1000uF	20%	25V
C954	1-128-547-11	ELECT	6800uF	20%	16V
		< CONNECTOR >			
* CNP802	1-564-509-11	PLUG, CONNECTOR 6P			
* CNP804	1-564-506-11	PLUG, CONNECTOR 3P			
* CNP805	1-564-506-11	PLUG, CONNECTOR 3P			
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CNP903	1-564-508-11	PLUG, CONNECTOR 5P			
		< DIODE >			
D901	8-719-991-33	DIODE 1SS133T-77			
D910	8-719-043-76	DIODE AK04V0			
D911	8-719-043-76	DIODE AK04V0			
D912	8-719-043-76	DIODE AK04V0			
D913	8-719-043-76	DIODE AK04V0			
D914	8-719-991-33	DIODE 1SS133T-77			
D915	8-719-991-33	DIODE 1SS133T-77			
D920	6-500-522-11	DIODE 10EDB40-TA2B5			
D921	6-500-522-11	DIODE 10EDB40-TA2B5			
D922	6-500-522-11	DIODE 10EDB40-TA2B5			
D923	6-500-522-11	DIODE 10EDB40-TA2B5			
D924	8-719-043-76	DIODE AK04V0			
		< GROUND TERMINAL >			
G901	1-537-738-21	TERMINAL, GROUND (US,CND)			
		< TRANSISTOR >			
Q901	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q921	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q922	8-729-140-93	TRANSISTOR 2SB733-34			
Q923	8-729-119-79	TRANSISTOR 2SC2785-FEK			
		< RESISTOR >			
⚠R810	1-243-634-91	FUSIBLE	0.22	5%	1/2W F
⚠R811	1-243-634-91	FUSIBLE	0.22	5%	1/2W F
⚠R901	1-219-237-91	SOLID	3.3M	20%	1/2W F (US,CND)
R902	1-247-871-11	CARBON	47K	5%	1/4W
R903	1-249-421-11	CARBON	2.2K	5%	1/4W
R904	1-249-381-11	CARBON	1	5%	1/4W F
R920	1-249-421-11	CARBON	2.2K	5%	1/4W
R921	1-247-871-11	CARBON	47K	5%	1/4W
R922	1-247-863-11	CARBON	22K	5%	1/4W
R923	1-249-429-11	CARBON	10K	5%	1/4W
		< RELAY >			
⚠RY901	1-755-541-11	RELAY			
		< TRANSFORMER >			
⚠T902	1-437-312-11	TRANSFORMER, POWER (SUB) (US,CND)			
⚠T902	1-437-313-11	TRANSFORMER, POWER (SUB) (EXCEPT US,CND)			

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Ref. No.	Part No.	Description			Remark
		VIDEO BOARD			
		**********			
		< CAPACITOR >			
C206	1-126-964-11	ELECT	10uF	20%	50V
C207	1-126-964-11	ELECT	10uF	20%	50V
C208	1-126-964-11	ELECT	10uF	20%	50V
C209	1-126-964-11	ELECT	10uF	20%	50V
C210	1-126-947-11	ELECT	47uF	20%	35V
C213	1-126-947-11	ELECT	47uF	20%	35V
C214	1-127-888-11	CERAMIC	0.1uF	10%	50V
C215	1-127-888-11	CERAMIC	0.1uF	10%	50V
C220	1-126-947-11	ELECT	47uF	20%	35V
C221	1-126-947-11	ELECT	47uF	20%	35V
C223	1-135-799-11	CERAMIC	0.47uF		50V
C224	1-135-799-11	CERAMIC	0.47uF		50V
C308	1-126-964-11	ELECT	10uF	20%	50V
C309	1-126-964-11	ELECT	10uF	20%	50V
C310	1-126-964-11	ELECT	10uF	20%	50V
C311	1-126-964-11	ELECT	10uF	20%	50V
C312	1-126-964-11	ELECT	10uF	20%	50V
C313	1-126-964-11	ELECT	10uF	20%	50V
C314	1-126-964-11	ELECT	10uF	20%	50V
C315	1-126-964-11	ELECT	10uF	20%	50V
C316	1-126-964-11	ELECT	10uF	20%	50V
C330	1-127-888-11	CERAMIC	0.1uF	10%	50V
C331	1-127-888-11	CERAMIC	0.1uF	10%	50V
C337	1-126-947-11	ELECT	47uF	20%	35V
C338	1-126-947-11	ELECT	47uF	20%	35V
C340	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNP202	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
* CNP203	1-564-507-11	PLUG, CONNECTOR 4P			
CNS206	1-568-826-11	CONNECTOR, FFC 7P			
		< DIODE >			
D203	8-719-991-33	DIODE 1SS133T-77			
D204	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC203	6-701-890-01	IC NJM2595D			
IC304	6-707-363-01	IC NJM2586AL			
IC804	8-759-245-79	IC TA79005S			
IC807	8-759-231-53	IC TA7805S			
		< JACK >			
J200	1-794-978-11	JACK, PIN 3P (SAT VIDEO IN,DVD VIDEO IN, VIDEO 1 VIDEO OUT)			
J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)			
J301	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO SAT IN, DVD IN,VIDEO 1 IN)			
J302	1-815-360-11	JACK, PIN 3P (COMPONENT VIDEO MONITOR OUT)			
		< RESISTOR >			
R200	1-247-804-11	CARBON	75	5%	1/4W

Ref. No.	Part No.	Description			Remark
R201	1-247-804-11	CARBON	75	5%	1/4W
R218	1-247-804-11	CARBON	75	5%	1/4W
R219	1-247-804-11	CARBON	75	5%	1/4W
R220	1-247-804-11	CARBON	75	5%	1/4W
R221	1-247-804-11	CARBON	75	5%	1/4W
R301	1-247-804-11	CARBON	75	5%	1/4W
R302	1-247-804-11	CARBON	75	5%	1/4W
R303	1-247-804-11	CARBON	75	5%	1/4W
R304	1-247-804-11	CARBON	75	5%	1/4W
R305	1-247-804-11	CARBON	75	5%	1/4W
R306	1-247-804-11	CARBON	75	5%	1/4W
R307	1-247-804-11	CARBON	75	5%	1/4W
R308	1-247-804-11	CARBON	75	5%	1/4W
R309	1-247-804-11	CARBON	75	5%	1/4W
R310	1-247-804-11	CARBON	75	5%	1/4W
R311	1-247-804-11	CARBON	75	5%	1/4W
R312	1-247-804-11	CARBON	75	5%	1/4W
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		VIDEO 3 BOARD			
		**********			
		< CAPACITOR >			
C293	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C294	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C298	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C299	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
		< CONNECTOR >			
CN201	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
* CN202	1-690-880-31	LEAD (WITH CONNECTOR)			
		< JACK >			
J298	1-819-187-11	JACK, PIN 3P (VIDEO 3/PORTABLE AV IN VIDEO,AUDIO)			
		< RESISTOR >			
R298	1-216-821-11	METAL CHIP	1K	5%	1/10W
R299	1-216-821-11	METAL CHIP	1K	5%	1/10W
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	A-1267-502-A	XM BOARD, COMPLETE (US,CND)			
		**********			
		< CAPACITOR >			
C101	1-137-649-31	ELECT	220uF	20%	10V
C102	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C104	1-112-100-11	ELECT	10uF	20%	50V
C105	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C106	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C107	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C109	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C110	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C111	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C112	1-216-864-11	SHORT CHIP	0		
C113	1-126-964-11	ELECT	10uF	20%	50V
C114	1-216-864-11	SHORT CHIP	0		
C115	1-216-864-11	SHORT CHIP	0		
C116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C117	1-216-864-11	SHORT CHIP	0		
C118	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C119	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C120	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C121	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C122	1-112-100-11	ELECT	10uF	20%	50V
C123	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C124	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C125	1-112-100-11	ELECT	10uF	20%	50V
C126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C128	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C129	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C131	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C132	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C133	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C134	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C135	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C136	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C137	1-126-964-11	ELECT	10uF	20%	50V
C138	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C139	1-126-964-11	ELECT	10uF	20%	50V
C140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C142	1-126-964-11	ELECT	10uF	20%	50V
C143	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C144	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C145	1-126-933-11	ELECT	100uF	20%	16V
C153	1-126-933-11	ELECT	100uF	20%	16V
C157	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C159	1-137-649-31	ELECT	220uF	20%	10V
C161	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C163	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C164	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C165	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C166	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C167	1-216-864-11	SHORT CHIP	0		
C168	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C169	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN101	1-568-828-11	CONNECTOR, FFC 9P			
CN102	1-784-766-11	CONNECTOR, FFC 5P			
CNP103	1-779-978-11	PIN, CONNECTOR 3P			
		< DIODE >			
D101	6-500-462-01	DIODE NSAD500F-T1B			
D103	8-719-083-02	DIODE KDS160-RTK			
		< 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			

Ref. No.	Part No.	Description			Remark
IC102	6-709-251-01	IC F2602E-01-TR			
IC104	8-759-710-97	IC NJM4565M-D			
IC105	6-707-111-01	IC PCM1753DBQR			
IC106	6-707-802-01	IC BA00CC0WT(-V5)			
IC107	6-705-469-01	IC BA50BC0FP-E2			
		< CONNECTOR >			
J101	1-793-642-21	CONNECTOR (USB) (4P), SQUARE (XM)			
		< JUMPER RESISTOR >			
JR101	1-216-296-11	SHORT CHIP	0		
L101	1-216-295-11	SHORT CHIP	0		
L102	1-216-295-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q105	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q106	8-729-140-93	TRANSISTOR	2SB733-34		
		< RESISTOR >			
R101	1-216-845-11	METAL CHIP	100K	5%	1/10W
R102	1-216-845-11	METAL CHIP	100K	5%	1/10W
R103	1-216-833-11	METAL CHIP	10K	5%	1/10W
R104	1-216-833-11	METAL CHIP	10K	5%	1/10W
R107	1-216-809-11	METAL CHIP	100	5%	1/10W
R108	1-216-809-11	METAL CHIP	100	5%	1/10W
R109	1-216-841-11	METAL CHIP	47K	5%	1/10W
R110	1-216-809-11	METAL CHIP	100	5%	1/10W
R112	1-216-833-11	METAL CHIP	10K	5%	1/10W
R113	1-216-864-11	SHORT CHIP	0		
R115	1-216-833-11	METAL CHIP	10K	5%	1/10W
R116	1-216-833-11	METAL CHIP	10K	5%	1/10W
R117	1-216-809-11	METAL CHIP	100	5%	1/10W
R118	1-216-841-11	METAL CHIP	47K	5%	1/10W
R119	1-216-841-11	METAL CHIP	47K	5%	1/10W
R120	1-216-834-11	METAL CHIP	12K	5%	1/10W
R121	1-216-841-11	METAL CHIP	47K	5%	1/10W
R122	1-216-841-11	METAL CHIP	47K	5%	1/10W
R123	1-216-819-11	METAL CHIP	680	5%	1/10W
R124	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R125	1-216-813-11	METAL CHIP	220	5%	1/10W
R126	1-216-845-11	METAL CHIP	100K	5%	1/10W
R127	1-216-809-11	METAL CHIP	100	5%	1/10W
R128	1-216-845-11	METAL CHIP	100K	5%	1/10W
R129	1-216-809-11	METAL CHIP	100	5%	1/10W
R130	1-216-809-11	METAL CHIP	100	5%	1/10W
R131	1-216-809-11	METAL CHIP	100	5%	1/10W
R132	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R133	1-216-819-11	METAL CHIP	680	5%	1/10W
R134	1-216-809-11	METAL CHIP	100	5%	1/10W
R135	1-216-864-11	SHORT CHIP	0		
R137	1-216-834-11	METAL CHIP	12K	5%	1/10W
R138	1-216-821-11	METAL CHIP	1K	5%	1/10W
R143	1-216-809-11	METAL CHIP	100	5%	1/10W
R144	1-216-821-11	METAL CHIP	1K	5%	1/10W
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
R154	1-216-809-11	METAL CHIP	100	5%	1/10W
R156	1-216-811-11	METAL CHIP	150	5%	1/10W
R158	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R160	1-216-864-11	SHORT CHIP	0		
R162	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R163	1-218-344-11	METAL CHIP	7.5K	5%	1/10W
R170	1-216-864-11	SHORT CHIP	0		
R171	1-216-864-11	SHORT CHIP	0		
R172	1-216-864-11	SHORT CHIP	0		
R173	1-216-864-11	SHORT CHIP	0		
R174	1-216-819-11	METAL CHIP	680	5%	1/10W
R176	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< VIBRATOR >			
X101	1-760-841-11	VIBRATOR, CRYSTAL (45.158MHz)			

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MISCELLANEOUS
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57	1-829-004-11	WIRE (FLAT TYPE) (19 CORE)
101	1-828-953-11	WIRE (FLAT TYPE) (9 CORE) (EXCEPT AEP,UK)
101	1-828-963-11	WIRE (FLAT TYPE) (11 CORE) (AEP,UK)
102	1-828-957-11	WIRE (FLAT TYPE) (9 CORE)
104	1-828-935-11	WIRE (FLAT TYPE) (5 CORE) (US,CND)
105	1-828-946-11	WIRE (FLAT TYPE) (7 CORE)
106	1-828-560-11	WIRE (FLAT TYPE) (7 CORE)
⚠109	1-777-071-83	CORD, POWER (AEP,UK,MY,SP)
⚠109	1-783-820-11	CORD, POWER (US,CND)
⚠109	1-833-566-21	CORD, POWER (AUS)
⚠109	1-834-288-11	CORD, POWER (TH)
⚠F901	1-532-464-33	FUSE (2.5A/250V) (EXCEPT US,CND)
⚠F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V) (US,CND)
⚠F4001	1-532-465-33	FUSE (3.15A/250V)
⚠F4002	1-532-465-33	FUSE (3.15A/250V)
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK
Q533	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q534	6-702-391-01	TRANSISTOR MP1620-OPY-MK
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK
Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK
Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK
Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK
⚠T901	1-439-550-21	TRANSFORMER, POWER (MAIN) (AEP,UK,AUS)
⚠T901	1-439-583-11	TRANSFORMER, POWER (MAIN) (US,CND)
⚠T901	1-445-019-11	TRANSFORMER, POWER (MAIN) (MY,SP,TH)
TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA) (US)
TN1	1-693-733-11	TUNER (FM/AM) (ANTENNA) (CND)
TN1	1-693-735-11	TUNER (FM/AM) (ANTENNA) (AUS,MY,SP,TH)
TN1	1-693-737-11	TUNER (FM/AM) (ANTENNA) (AEP,UK)

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Ref. No.	Part No.	Description	Remark
		ACCESSORIES	
		**********	
	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

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2007.03	New
1.1	2007.08	Addition of Thai model