

STR-DG510

SERVICE MANUAL

Ver. 1.2 2007. 05

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



Photo: Black type

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

(Models of area code US only)

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 90 watts per channel minimum RMS power, with no more than 0.09 % total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Models of area code US, CND ¹⁾

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

90 W + 90 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%)

130 W/ch

Models of area code AEP, UK ¹⁾

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%)

130 W/ch

Models of area code E2, AUS, KR, TW ¹⁾

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%)

90 W + 90 W

Surround Mode Output Power ²⁾ (8 ohms, 1 kHz, THD 10%)

120 W/ch

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-887-536-03

2007E04-1

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Sony Corporation

Home Audio Division

Published by Sony Techno Create Corporation

SONY®

STR-DG510

Ver. 1.2

Models of area code MY, SP, TH ¹⁾

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

60 W + 60 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
AEP, UK, MY, SP, TH	230 V AC, 50 Hz
E2, AUS	240 V AC, 50 Hz
TW	110 V AC, 60 Hz
KR	220 V AC, 60 Hz

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

Frequency response	
Analog	10 Hz – 70 kHz +0.5/–2 dB (with sound field and tone bypassed)
Inputs	
Analog	Sensitivity: 500 mV/ 50 kohms S/N ³⁾ : 96 dB (A, 500 mV ⁴⁾)
Digital (Coaxial)	Impedance: 75 ohms S/N: 100 dB (A, 20 kHz LPF)
Digital (Optical)	S/N: 100 dB (A, 20 kHz LPF)
Output (Analog)	
AUDIO OUT	Voltage: 500 mV/10 kohms
SUB WOOFER	Voltage: 2 V/1 kohm
Tone	
Gain levels	±6 dB, 1 dB step

- 3) INPUT SHORT (with sound field and tone bypassed).
- 4) Weighted network, input level.

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	
Models of area code US, CND	
With 10-kHz tuning scale: 530 – 1,710 kHz ⁵⁾	
With 9-kHz tuning scale: 531 – 1,710 kHz ⁵⁾	
Models of area code AEP, UK, AUS, KR, MY, SP, TH, TW	
With 9-kHz tuning scale: 531 – 1,602 kHz	
Models of area code E2	
With 10-kHz tuning scale: 530 – 1,610 kHz ⁵⁾	
With 9-kHz tuning scale: 531 – 1,602 kHz ⁵⁾	
Antenna	Loop antenna
Intermediate frequency	450 kHz

- 5) 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
E2	120/220/240 V AC, 50/60 Hz
AUS	240 V AC, 50 Hz
MY, SP, TH	230 – 240 V AC, 50/60 Hz
KR	220 – 230 V AC, 50/60 Hz
TW	110 V AC, 60 Hz

Power consumption	
Area code	Power consumption
US, AEP, UK, E2, AUS, KR	220 W
CND	300 VA
MY, SP, TH	200 W
TW	500 W

Power consumption (during standby mode)	0.3 W
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.)	7.7 kg (16 lb 16 oz)

- Supplied accessories
- FM wire antenna (aerial) (1)
 - AM loop antenna (aerial) (1)
 - Remote commander RM-AAU013 (1)
 - R6 (size-AA) batteries (2)
 - Optimizer microphone ECM-AC2 (1)

Design and specifications are subject to change without notice.

- Abbreviation
 - CND : Canadian model
 - AUS : Australian model
 - E2 : 120 V AC area in E model
 - KR : Korea model
 - MY : Malaysia model
 - SP : Singapore model
 - TH : Thai model
 - TW : Taiwan model

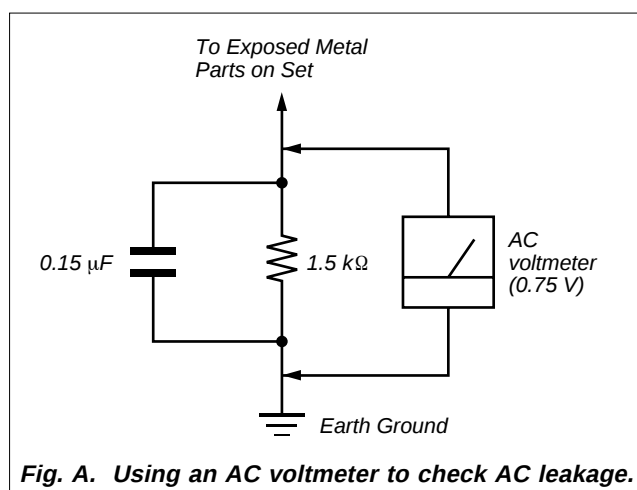
SAFETY CHECK-OUT (US MODEL)

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 microamperes.). 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)

**MODEL IDENTIFICATION**

— BACK PANEL —



MODEL	PART No.
US	2-896-346-0□
CND	2-896-346-1□
AEP, UK	2-896-346-2□
MY, SP	2-896-346-3□
TH	2-896-346-4□
AUS	2-896-346-5□
TW	2-896-346-6□
KR	2-896-346-7□
E2	2-896-346-8□

- Abbreviation
 - CND: Canadian model
 - AUS : Australian model
 - E2 : 120 V AC area in E model
 - KR : Korea model
 - MY : Malaysia model
 - SP : Singapore model
 - TH : Thai model
 - TW : Taiwan model

SAFETY-RELATED COMPONENT WARNING!!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

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

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SECTION 1
GENERAL

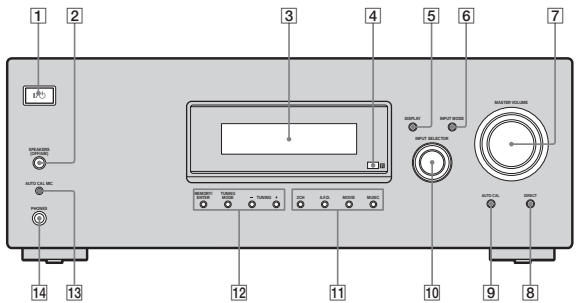
This section is extracted
from instruction manual.

Getting Started

Getting Started

Description and location of parts

Front panel



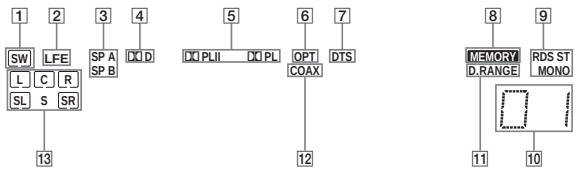
Name	Function
1 W (on/standby)	Press to turn the receiver on or off (page 26, 34, 35, 52, 69).
2 SPEAKERS (OFF/A/B)	Press to select the front speaker system (page 27).
3 Display	The current status of the selected component or a list of selectable items appears here (page 8).
4 Remote sensor	Receives signals from remote commander.
5 DISPLAY	Press to select information displayed on the display (page 57, 59).
6 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks (page 58).

Name	Function
7 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time (page 32, 33, 34, 35).
8 DIRECT	Press to listen to high quality analog sound (page 51).
9 AUTO CAL	Press to activate the Auto Calibration function (page 29).
10 INPUT SELECTOR	Turn to select the input source to play back (page 32, 34, 35, 51, 53, 55, 56, 58, 59, 60).
11 2CH A.F.D. MOVIE MUSIC	Press to select a sound field (page 46).

6GB

7GB

About the indicators on the display



Name	Function
1 SW	Lights up when sub woofer selection is set to "YES" (page 42) 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	Lights up when the receiver is decoding Dolby Digital 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 58).

Name	Function
5 PL/ PLII	" 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 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.
6 OPT	Lights up when VIDEO 2 input is selected. However, "UNLOCK" appears on the display if no digital signal is input through the OPTICAL jack. "OPT" also lights up when SAT input is selected if - INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the OPTICAL jack. - INPUT MODE is set to "OPT IN" (page 58).
7 DTS	Lights up when the receiver is decoding DTS 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 58).

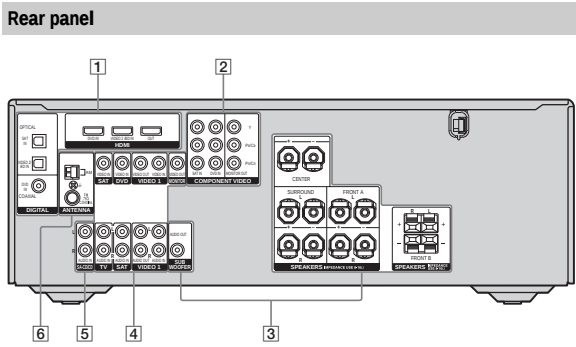
8GB

9GB

Name	Function
12 MEMORY/ ENTER	Press to operate the tuner (FM/AM) (page 52).
TUNING MODE	
TUNING +/-	
13 AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Auto Calibration function (page 28).
14 PHONES jack	Connects to headphones (page 64).

Name	Function
8 MEMORY	Lights up when a memory function, such as Preset Memory (page 55), etc., is activated.
9 Tuner indicators	Lights up when using the receiver to tune in radio stations (page 52), 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 54.
11 D.RANGE	Lights up when dynamic range compression is activated (page 37).
12 COAX	Lights up when DVD input is selected. However, "UNLOCK" appears on the display if no digital signal is input through the COAXIAL jack.
13 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) 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

Getting Started



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 18, 21, 23).
	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 18).
2 COMPONENT VIDEO INPUT/OUTPUT section		
	COMPONENT VIDEO INPUT/OUTPUT jacks*	Connects to a DVD player, TV, or a satellite tuner. You can enjoy high quality image (page 20, 21, 23).
3 SPEAKERS section		
		Connects to speakers (page 15).
		Connects to a sub woofer (page 15).
4 VIDEO/AUDIO INPUT/OUTPUT section		
	AUDIO IN/OUT jacks	Connects to a VCR, a DVD player, etc. (page 20–24).
	VIDEO IN/OUT jacks*	
5 AUDIO INPUT section		
	AUDIO IN jacks	Connects to a CD player, etc. (page 16).
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).

10⁰⁸

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 61). 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 61.
Button	Assigned Sony component
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

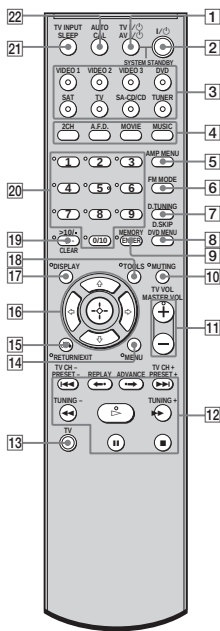
12⁰⁸

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).

* You can watch the selected input image when you connect the MONITOR OUT or HDMI OUT jack to a TV or projector (page 18, 20).

Remote commander

You can use the supplied remote RM-AAU013 to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate (page 61).



continued

11⁰⁸

Name	Function
◀▶	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.
▶	Press to start playback of the VCR, CD player, DVD player, or blu-ray disc player.
⏸	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.)
■	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 ▲, ▼, ◀, ▶ 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

13⁰⁸

Getting Started

Getting Started

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.
22 AUTO CAL	Press to activate the Auto Calibration function.

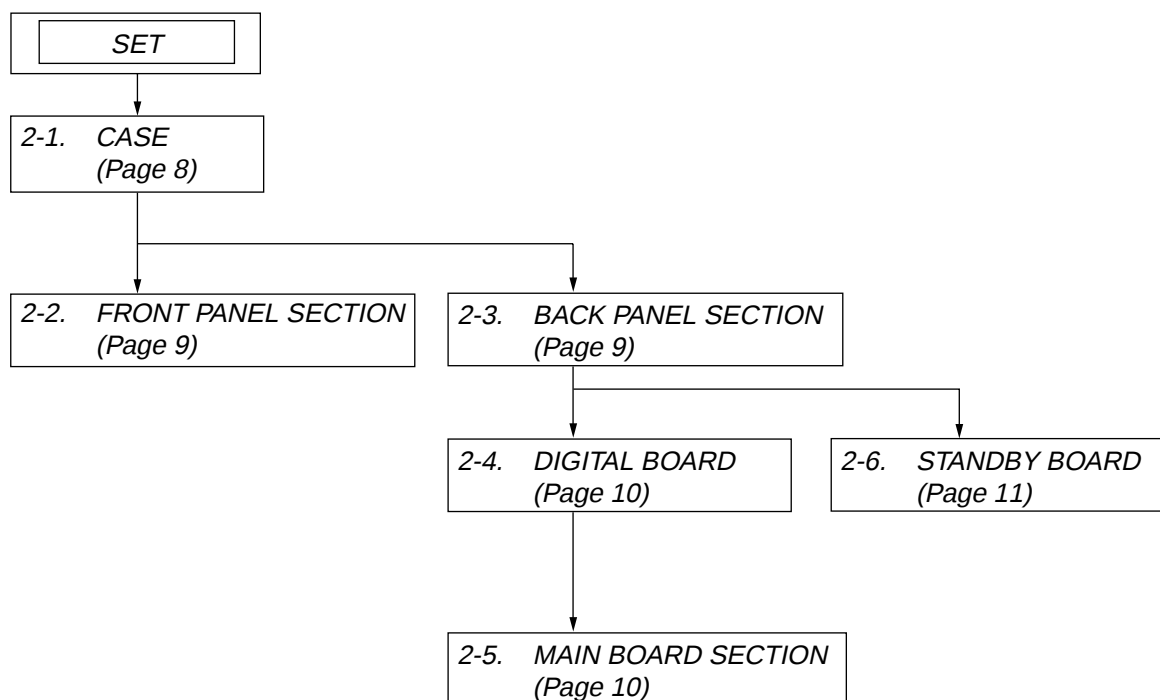
^{a)} The number 5, MASTER VOL +, TV VOL +, and **>** buttons have tactile dots. Use the tactile dots as references when operating the receiver.

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.
- The VIDEO 3 button on the remote is not available for receiver operation.

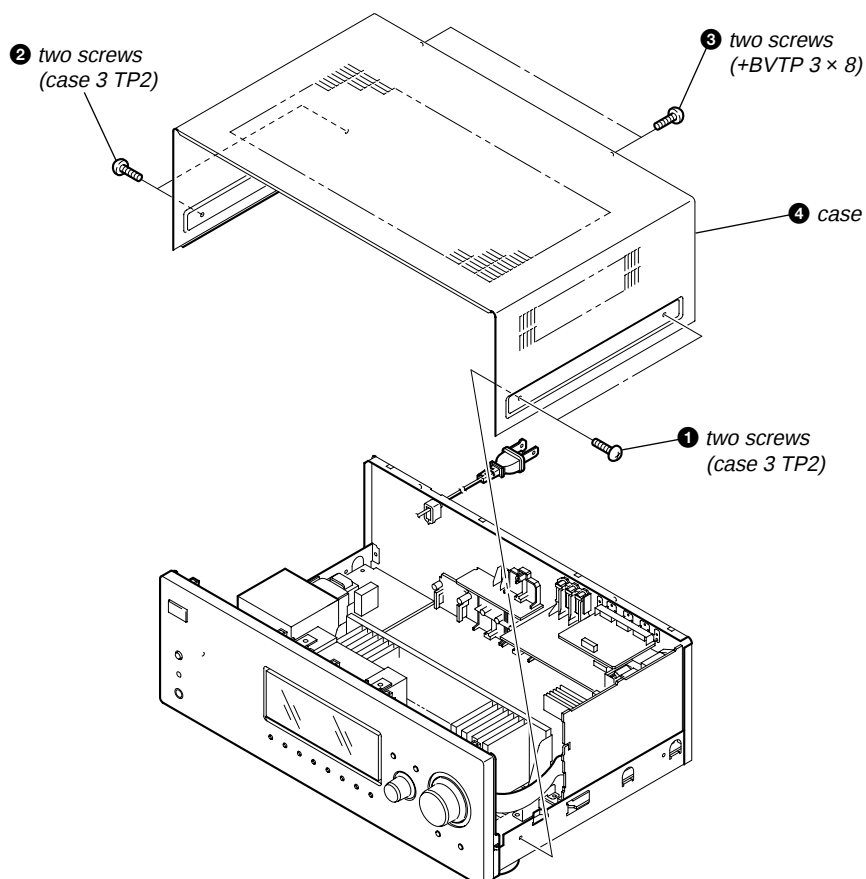
SECTION 2 DISASSEMBLY

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

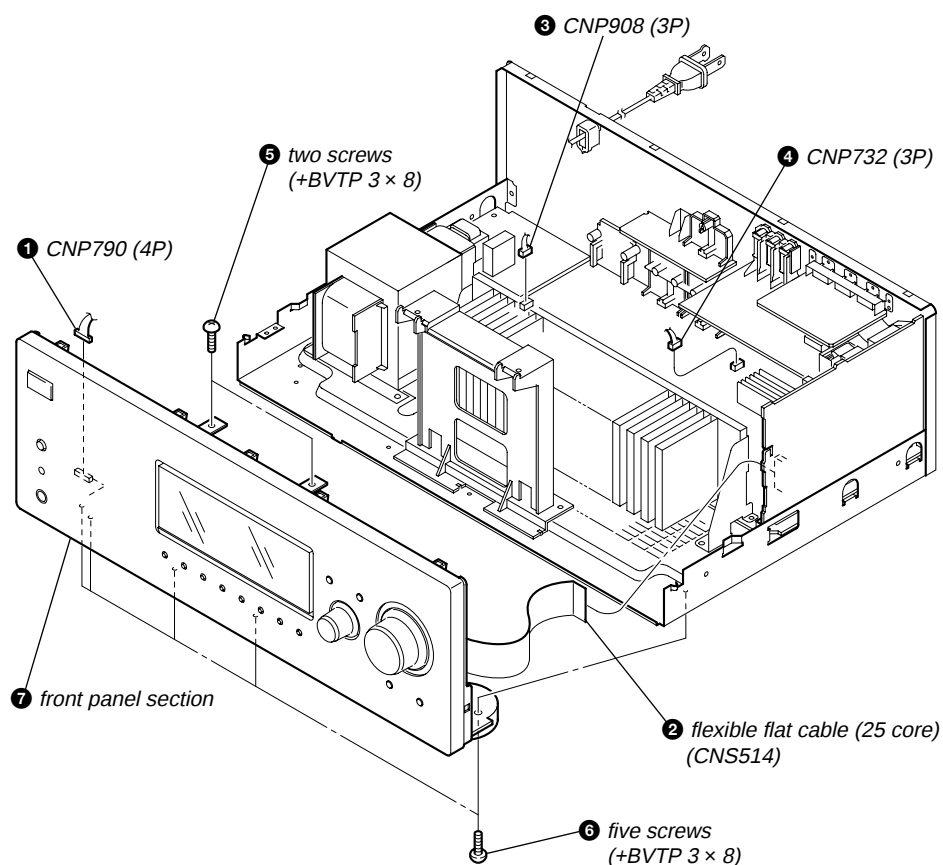


Note : Follow the disassembly procedure in the numerical order given.

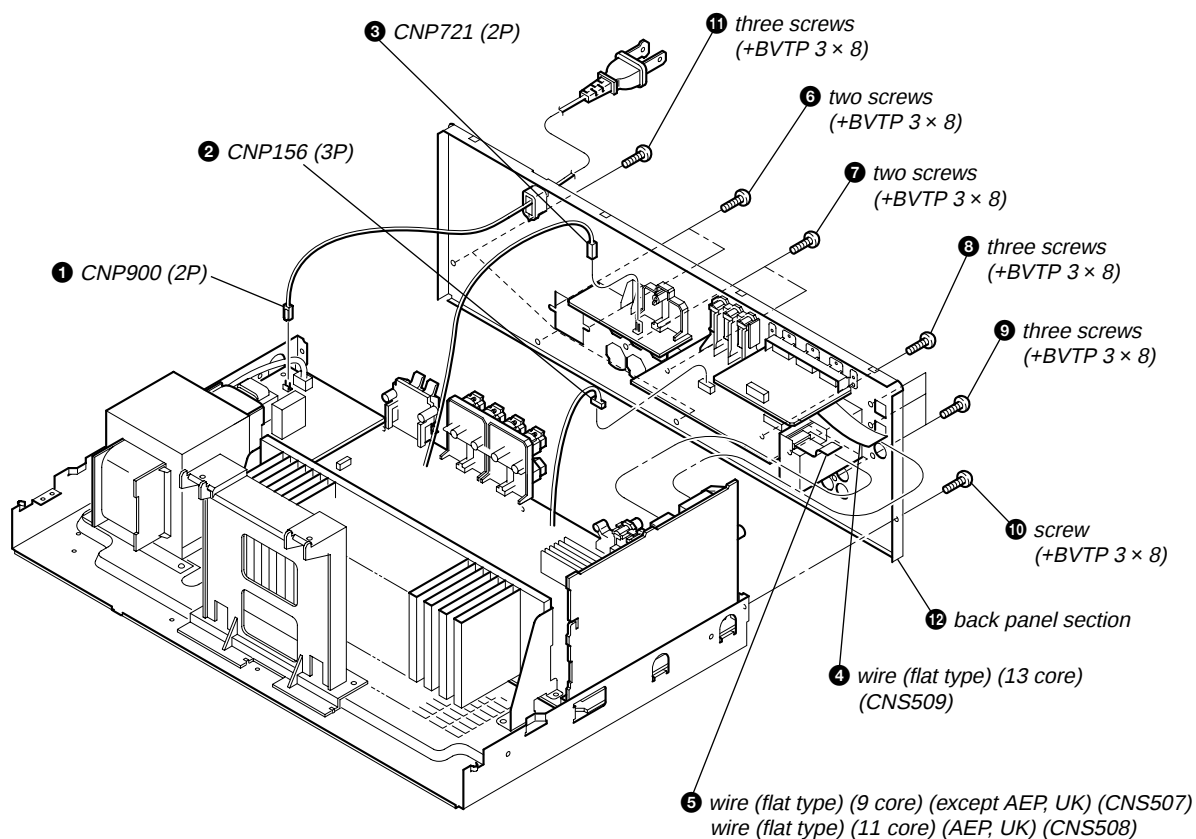
2-1. CASE



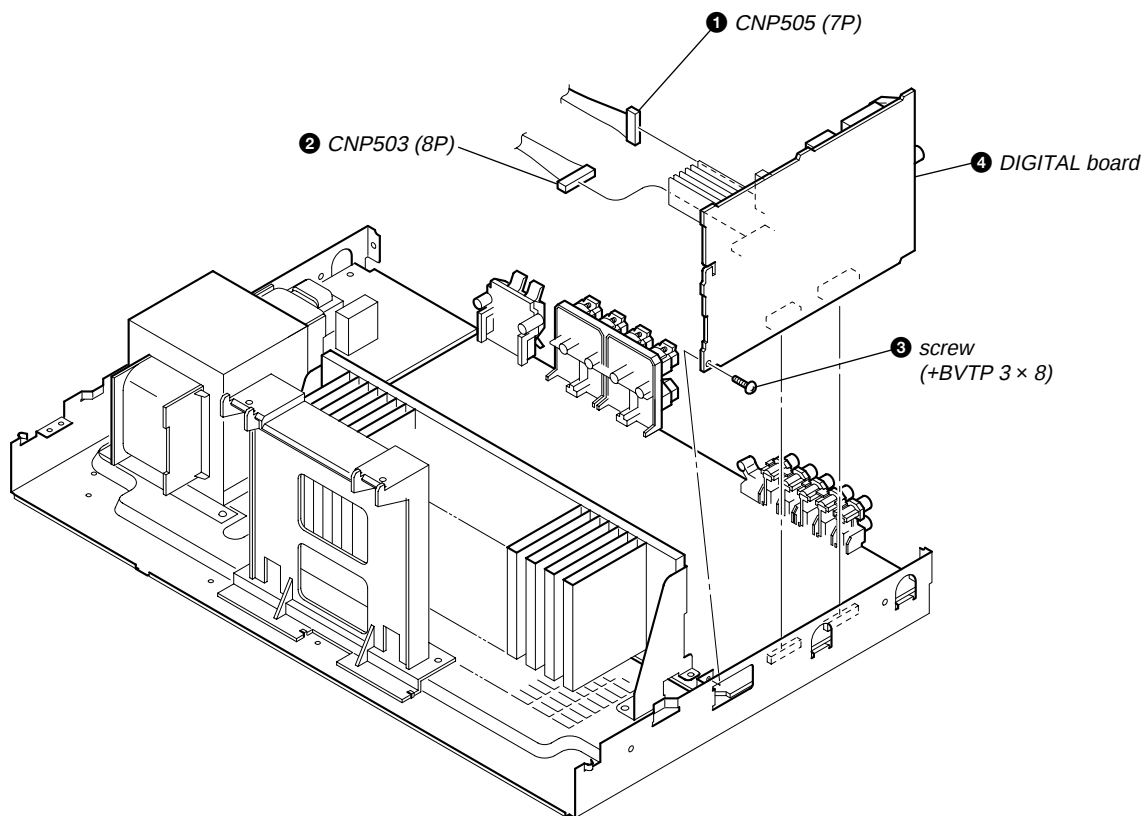
2-2. FRONT PANEL SECTION



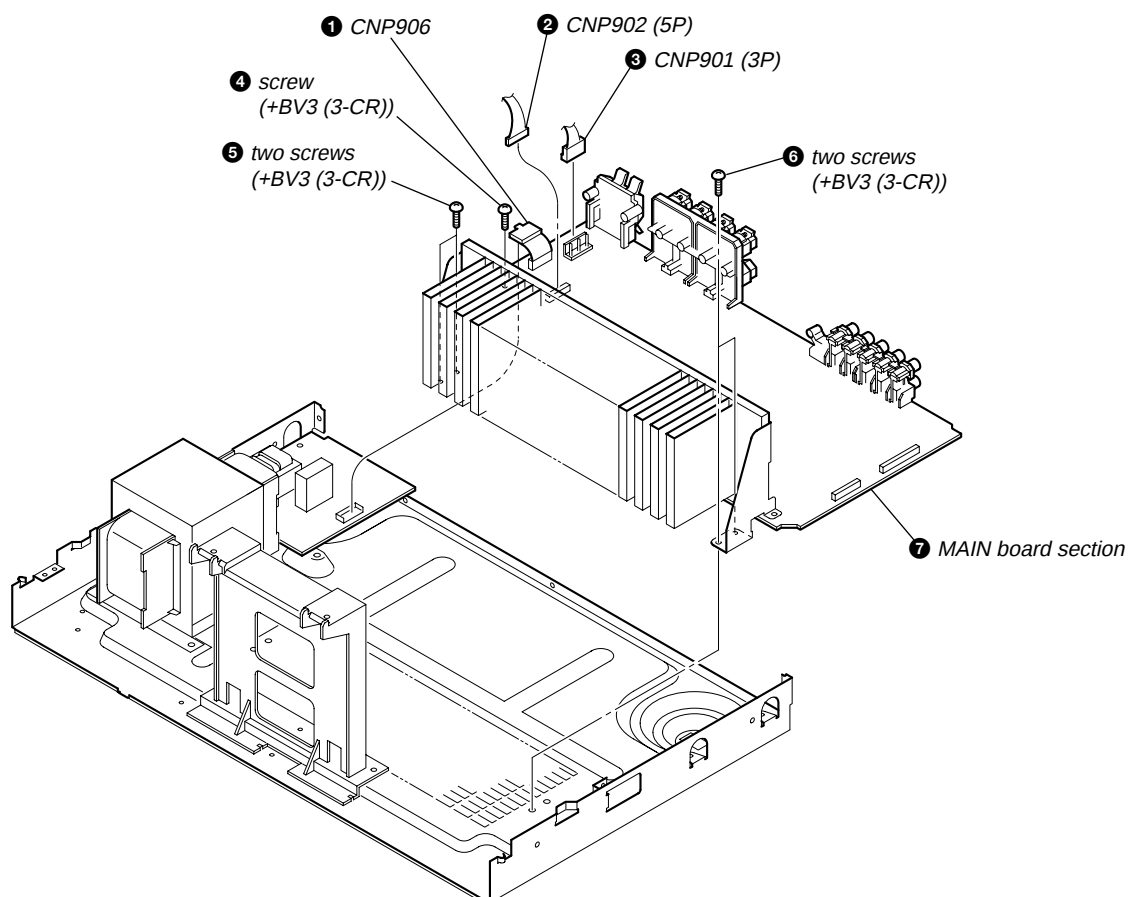
2-3. BACK PANEL SECTION



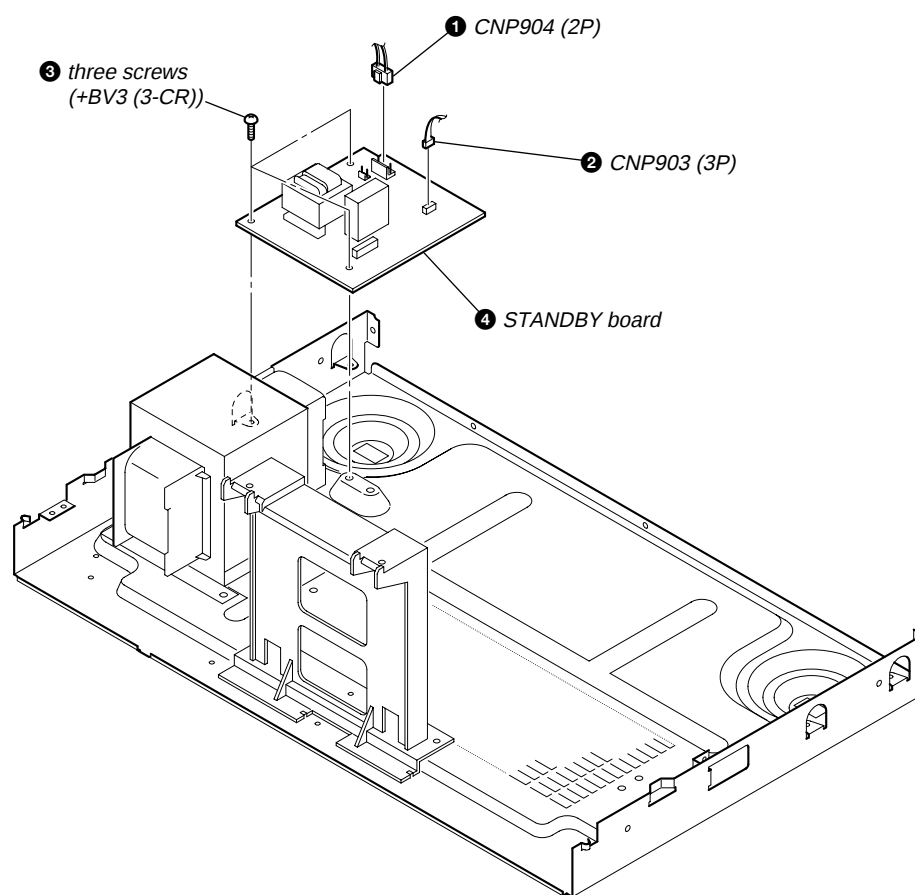
2-4. DIGITAL BOARD



2-5. MAIN BOARD SECTION



2-6. STANDBY BOARD



SECTION 3 TEST MODE

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE (US, Canadian, E2 model only)

* 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

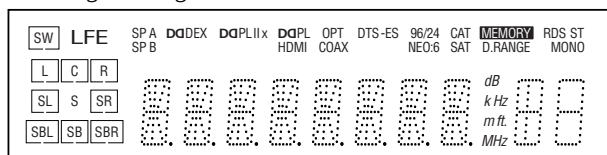
* All fluorescent segments are tested.

When this test is activated, all segments light on at the same time, then each segment lights on one after another.

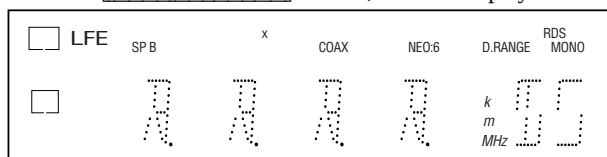
* Procedure:

While depressing the **[TUNING MODE]** and the **[DISPLAY]** buttons simultaneously, press the **[I/⏻]** button to turn on the main power.

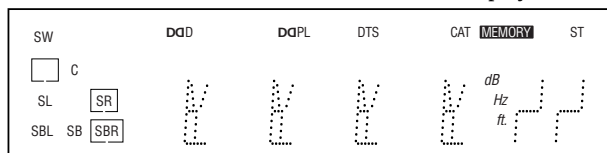
1. ALL segments light on.



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 13” 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. “SWP. ALL” appears. (No change while displayed.)

SHIPMENT MODE

All preset contents are reset to the default setting.

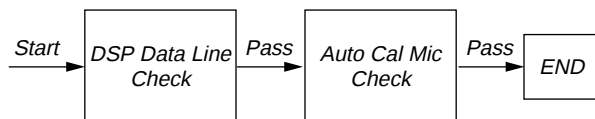
* Procedure:

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.

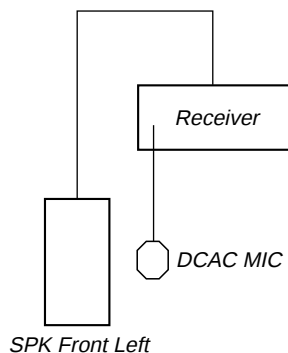
DCAC FACTORY TEST MODE

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.

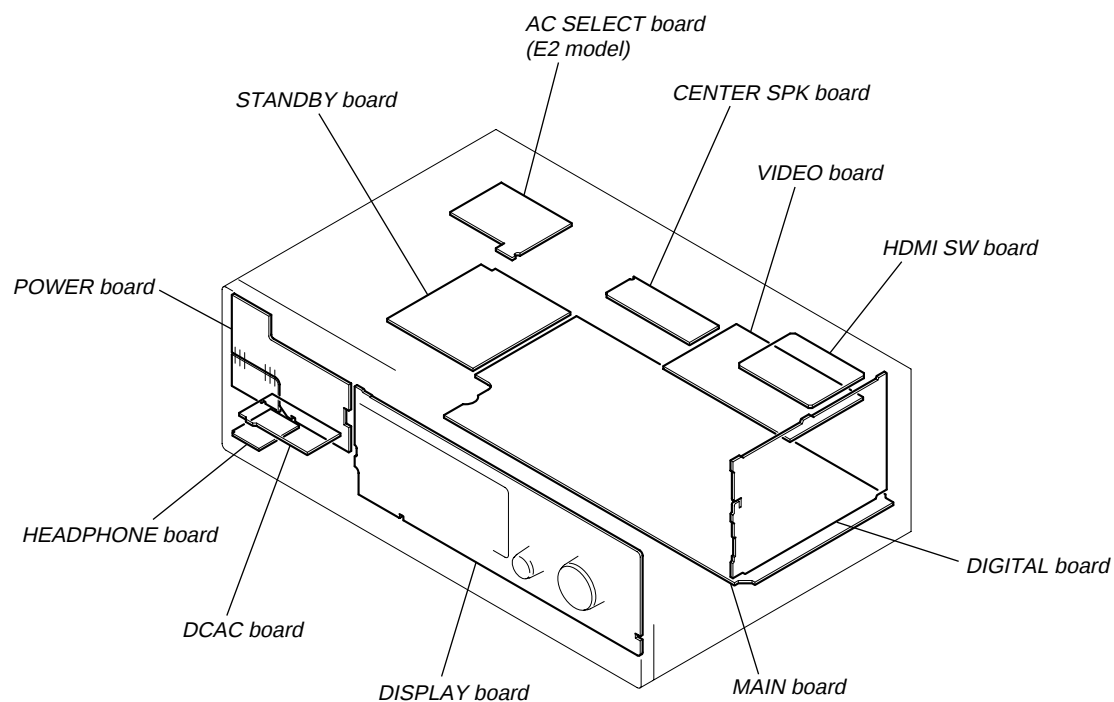
Please use SG whose output impedance is 75 ohm.

- (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.

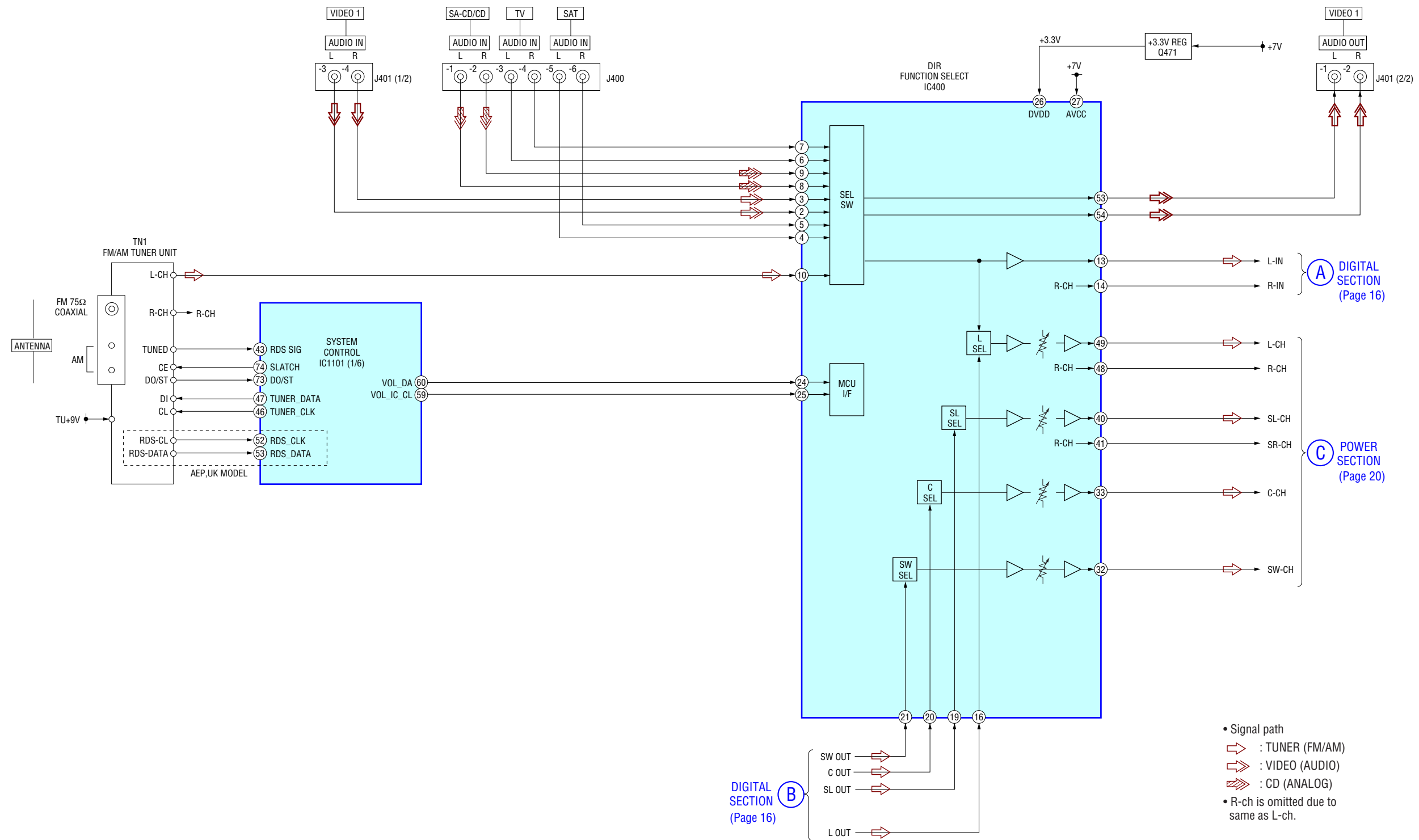
The stop of automatic scanning means “The station signal is received in good condition.”

SECTION 5 DIAGRAMS

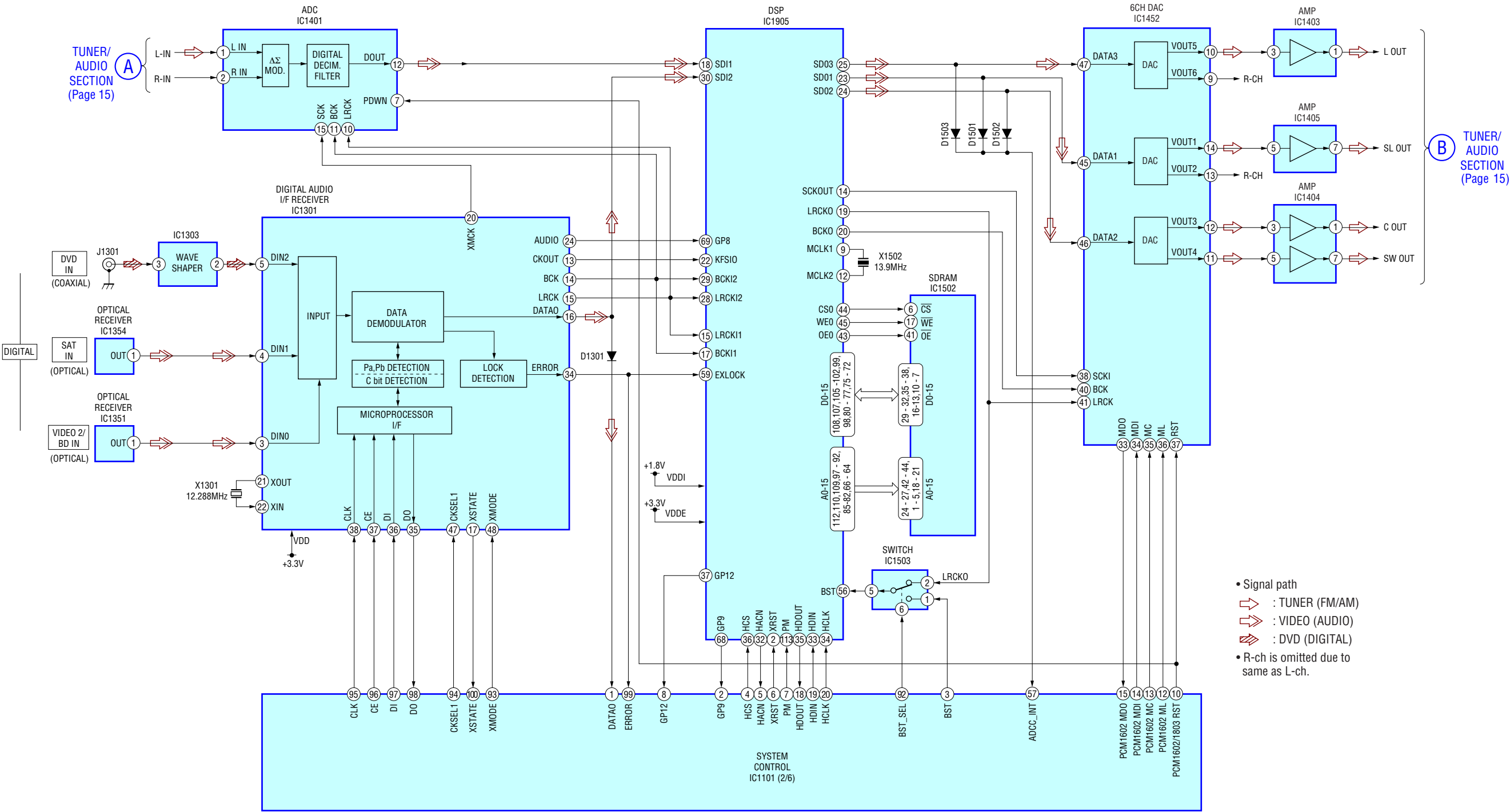
• Circuit Boards Location



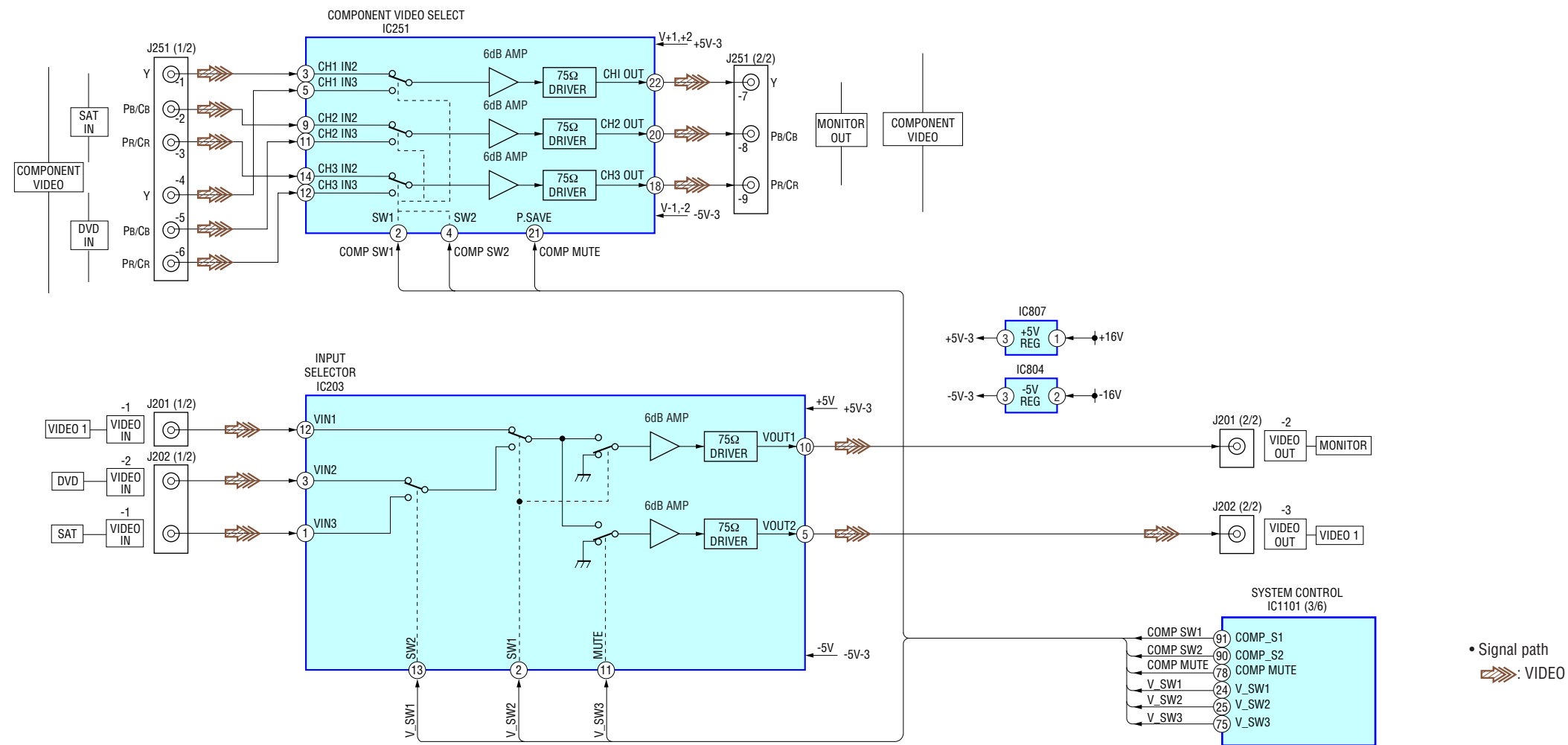
5-1. BLOCK DIAGRAM — TUNER/AUDIO SECTION —



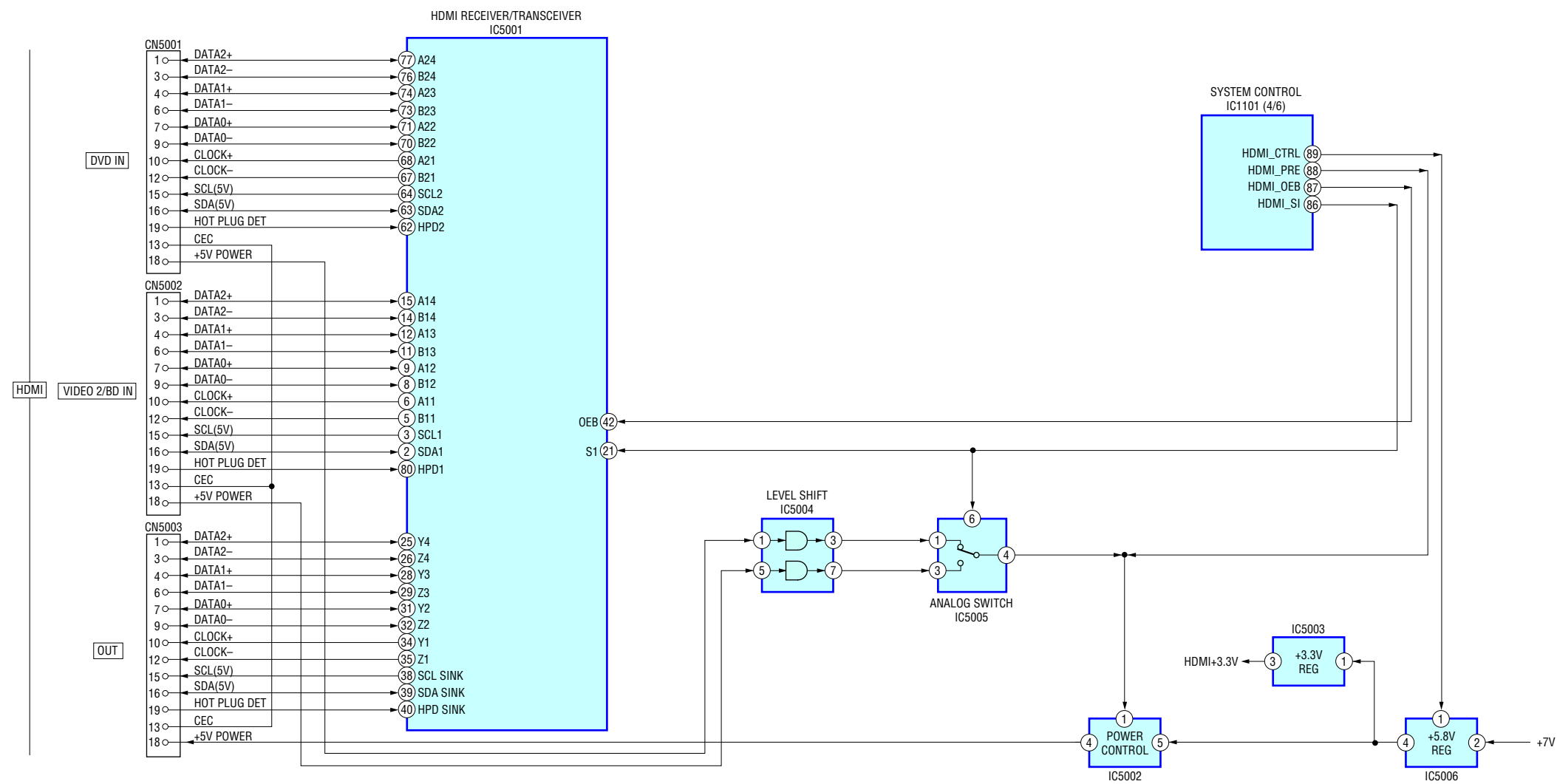
5-2. BLOCK DIAGRAM — DIGITAL SECTION —



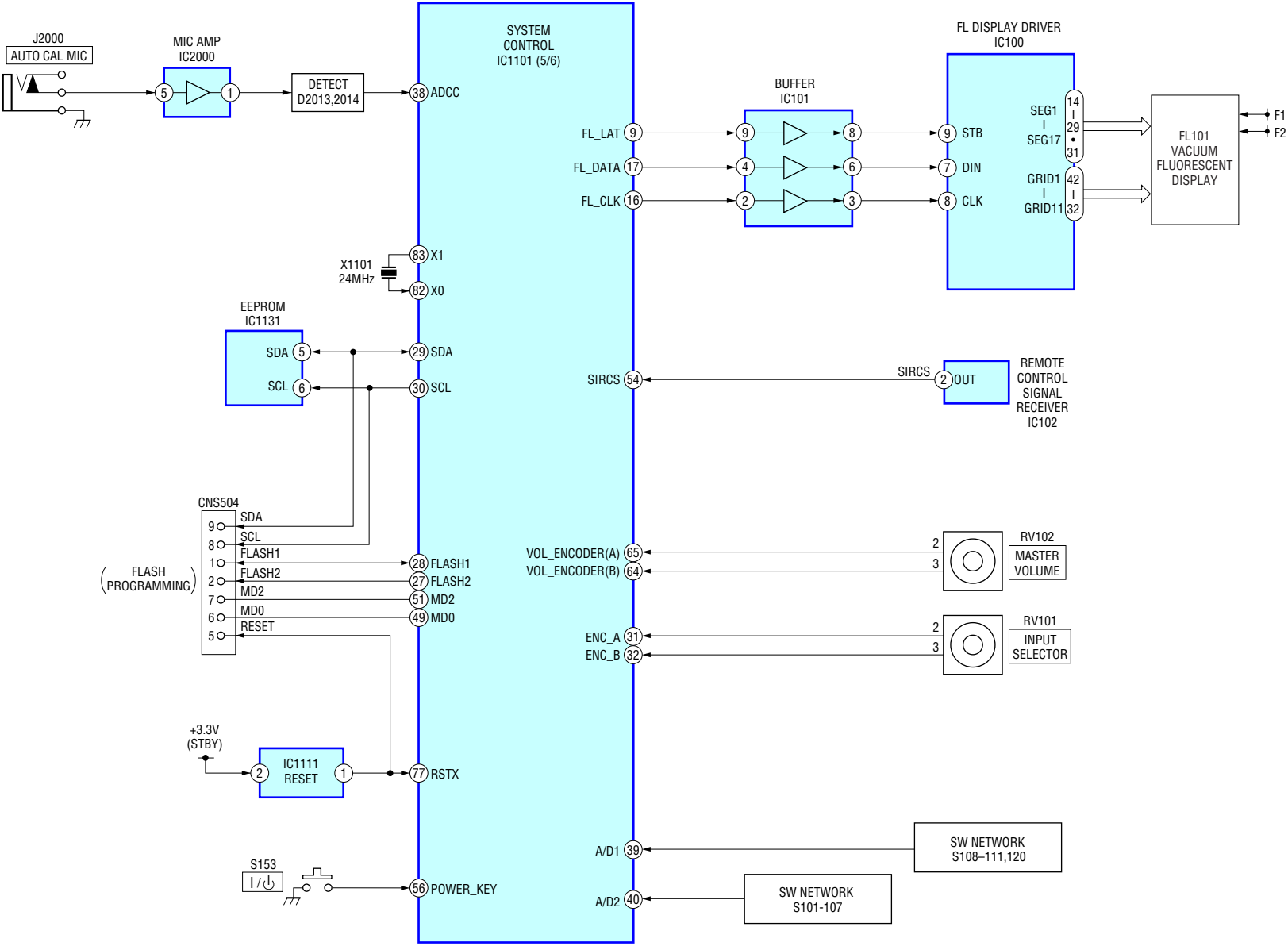
5-3. BLOCK DIAGRAM — VIDEO SECTION —



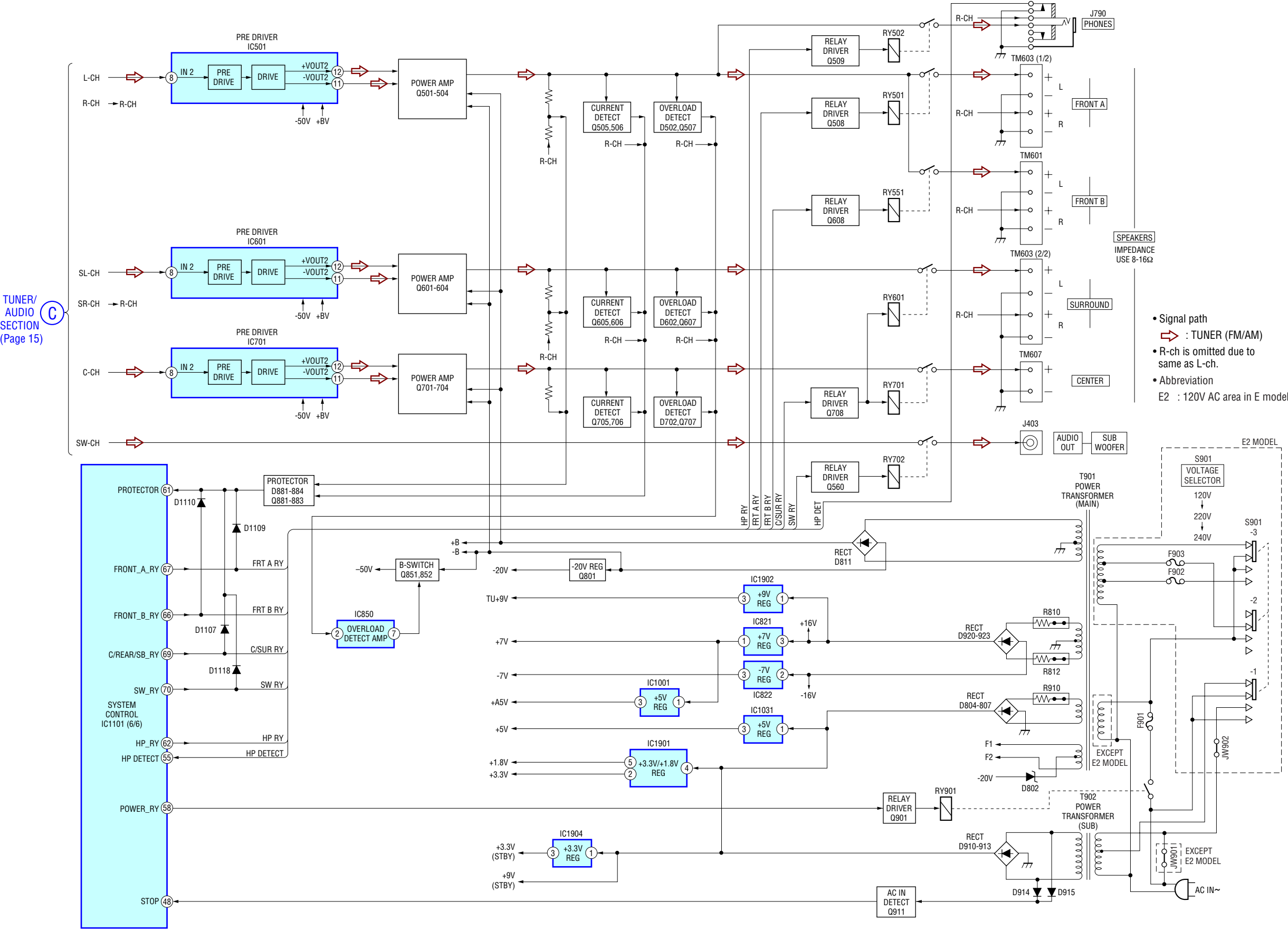
5-4. BLOCK DIAGRAM — HDMI SW SECTION —



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



5-6. BLOCK DIAGRAM — 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 $\frac{1}{4}W$ or less unless otherwise specified.
- Δ : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

Note:

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

Note:

Les composants identifiés par une marque Δ 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 M Ω).
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
 - CND : Canadian model
 - AUS : Australian model
 - E2 : 120 V AC area in E model
 - KR : Korea model
 - MY : Malaysia model
 - SP : Singapore model
 - TH : Thai model
 - TW : Taiwan model

for printed wiring boards:

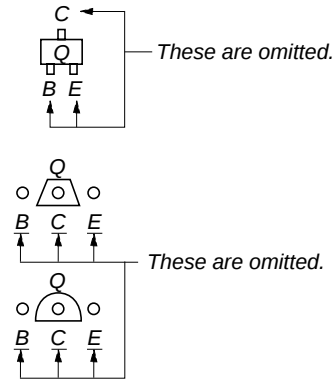
-  : parts extracted from the component side.
-  : internal component.
-  : Pattern from the side which enables seeing.

Caution:

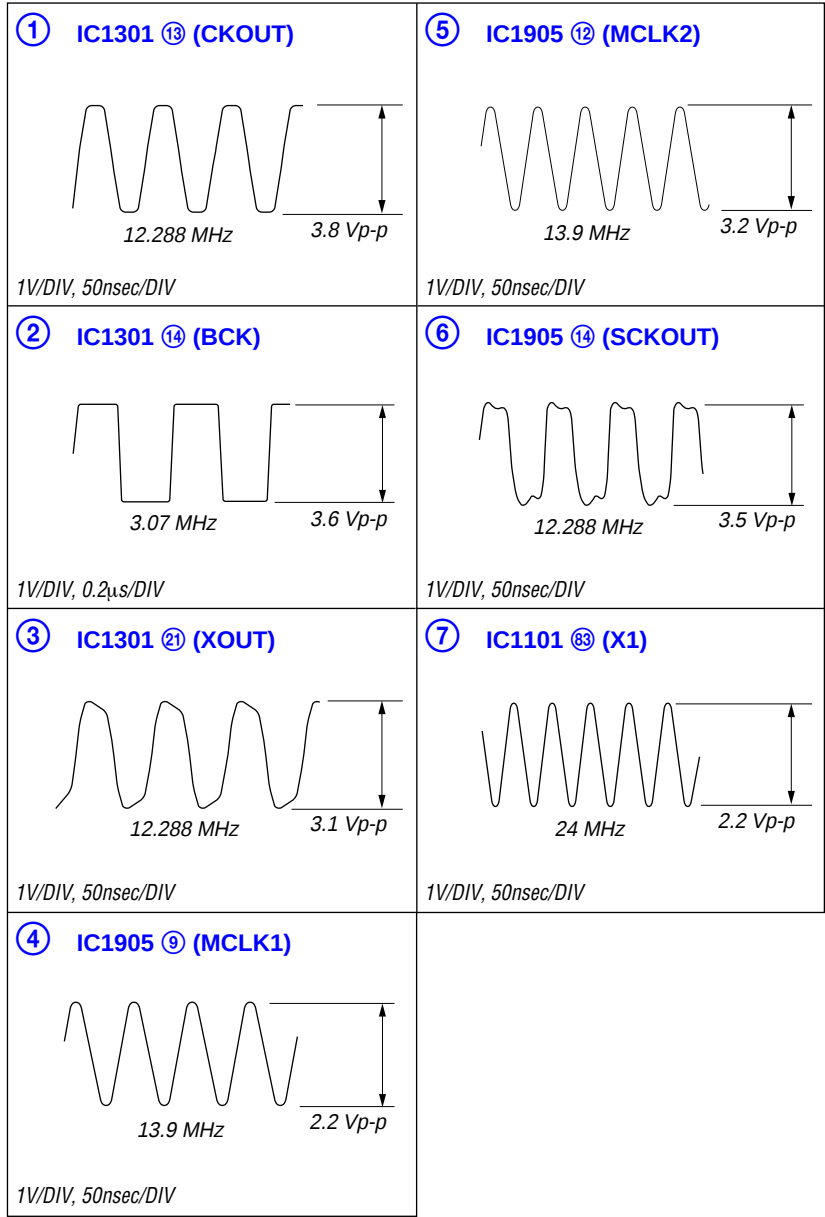
Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.
Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.

Abbreviation

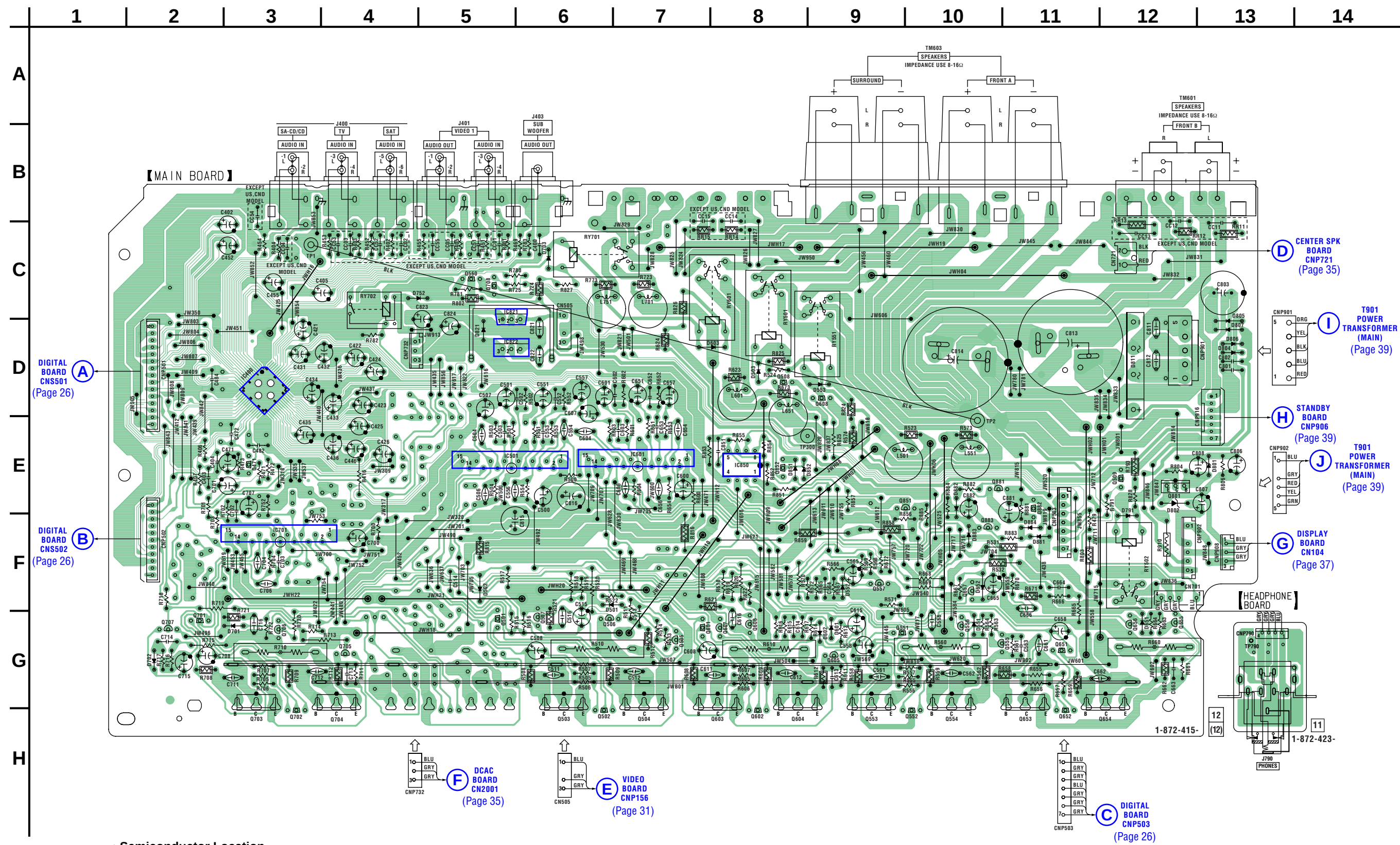
- CND : Canadian model
- AUS : Australian model
- E2 : 120 V AC area in E model
- KR : Korea model
- MY : Malaysia model
- SP : Singapore model
- TH : Thai model
- TW : Taiwan model



• Waveforms
— DIGITAL Board —



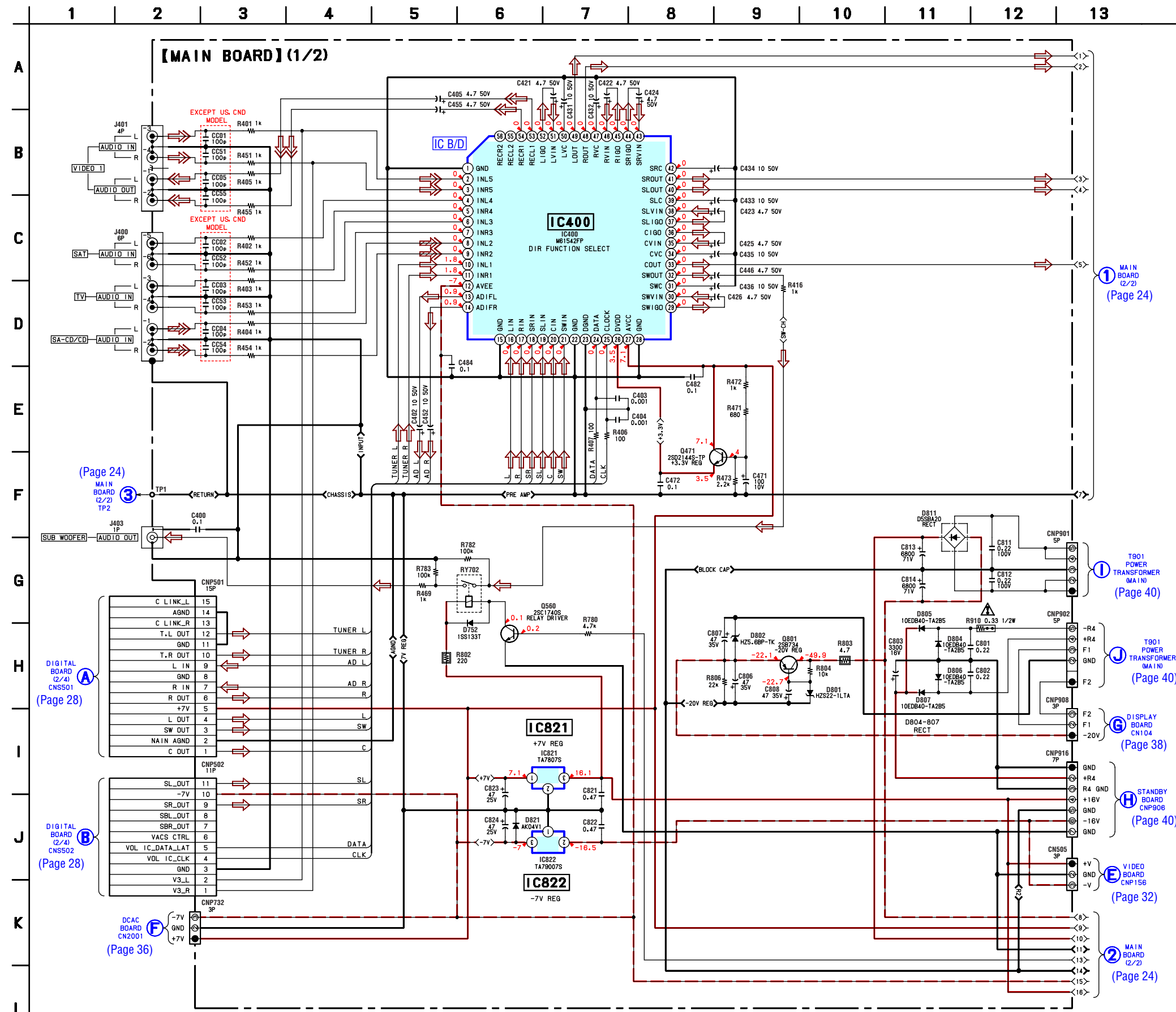
5-7. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



• 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
D501	F-6	D652	F-10	D806	D-13	IC400	D-3	Q502	H-6	Q553	H-9	Q605	G-9	Q657	F-10	Q851	E-10
D502	F-5	D701	G-3	D807	D-13	IC501	E-5	Q503	H-6	Q554	H-10	Q606	G-8	Q701	G-2	Q852	E-8
D503	D-8	D702	G-2	D811	D-12	IC601	E-7	Q504	H-7	Q555	G-10	Q607	G-8	Q702	H-3	Q881	E-10
D551	G-10	D703	C-6	D821	D-5	IC701	F-3	Q505	G-7	Q556	G-10	Q608	D-9	Q703	H-3	Q882	E-11
D552	F-9	D752	C-5	D851	E-8	IC821	C-5	Q506	G-6	Q557	F-9	Q651	G-11	Q704	H-4	Q883	F-10
D553	D-9	D791	E-12	D852	E-8	IC822	D-5	Q507	G-6	Q560	C-5	Q652	H-11	Q705	G-4		
D601	G-9	D801	E-13	D881	F-11	IC850	E-8	Q508	D-8	Q601	G-7	Q653	H-11	Q706	G-3		
D602	G-9	D802	E-12	D882	E-10			Q509	E-12	Q602	H-8	Q654	H-12	Q707	G-2		
D603	D-7	D804	D-13	D883	F-10	Q471	E-3	Q551	G-9	Q603	H-8	Q655	G-12	Q708	C-5		
D651	G-12	D805	D-13	D884	F-11	Q501	G-5	Q552	H-10	Q604	H-8	Q656	G-12	Q801	E-12		

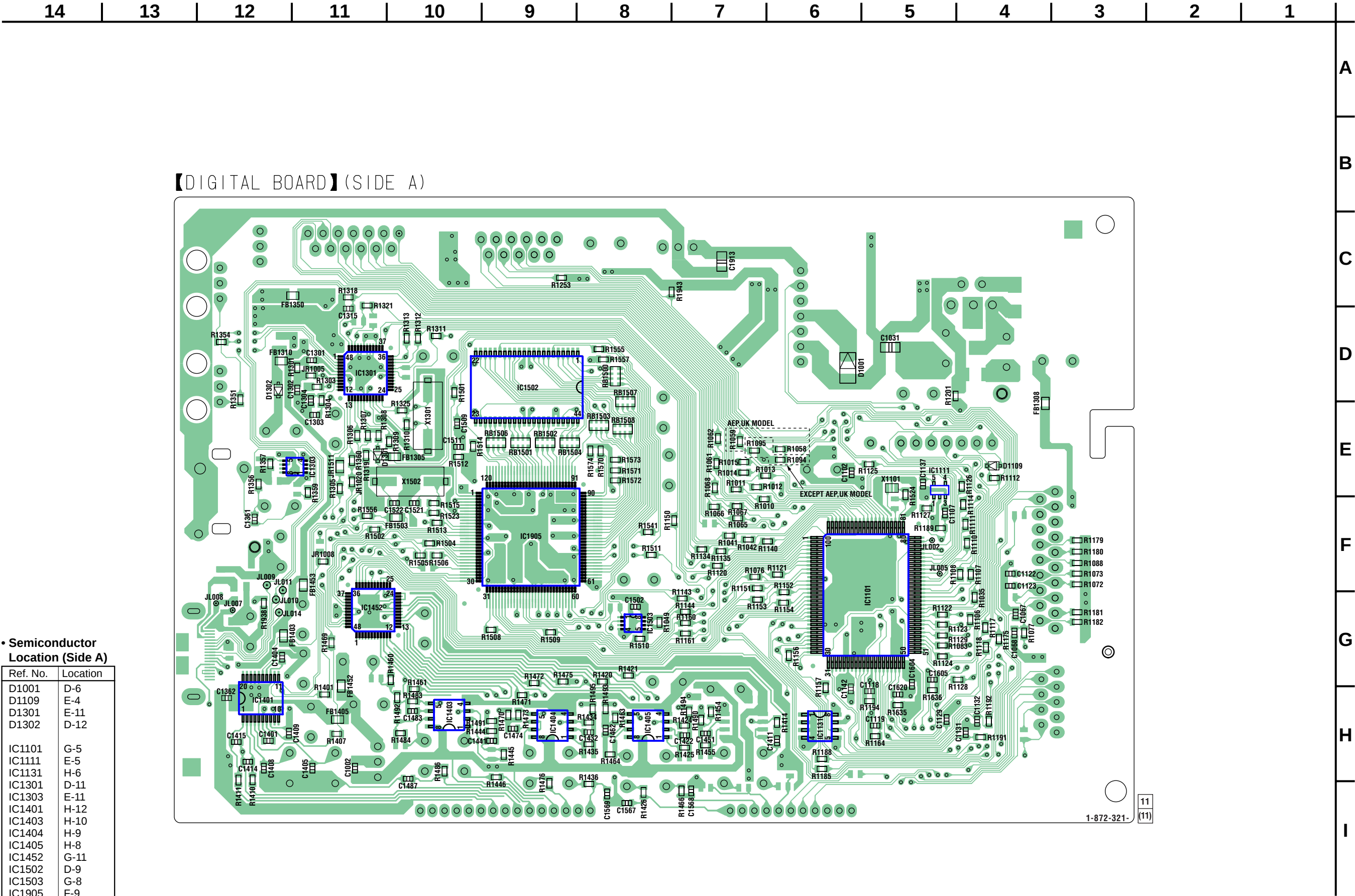
5-8. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 41 for IC Block Diagrams.



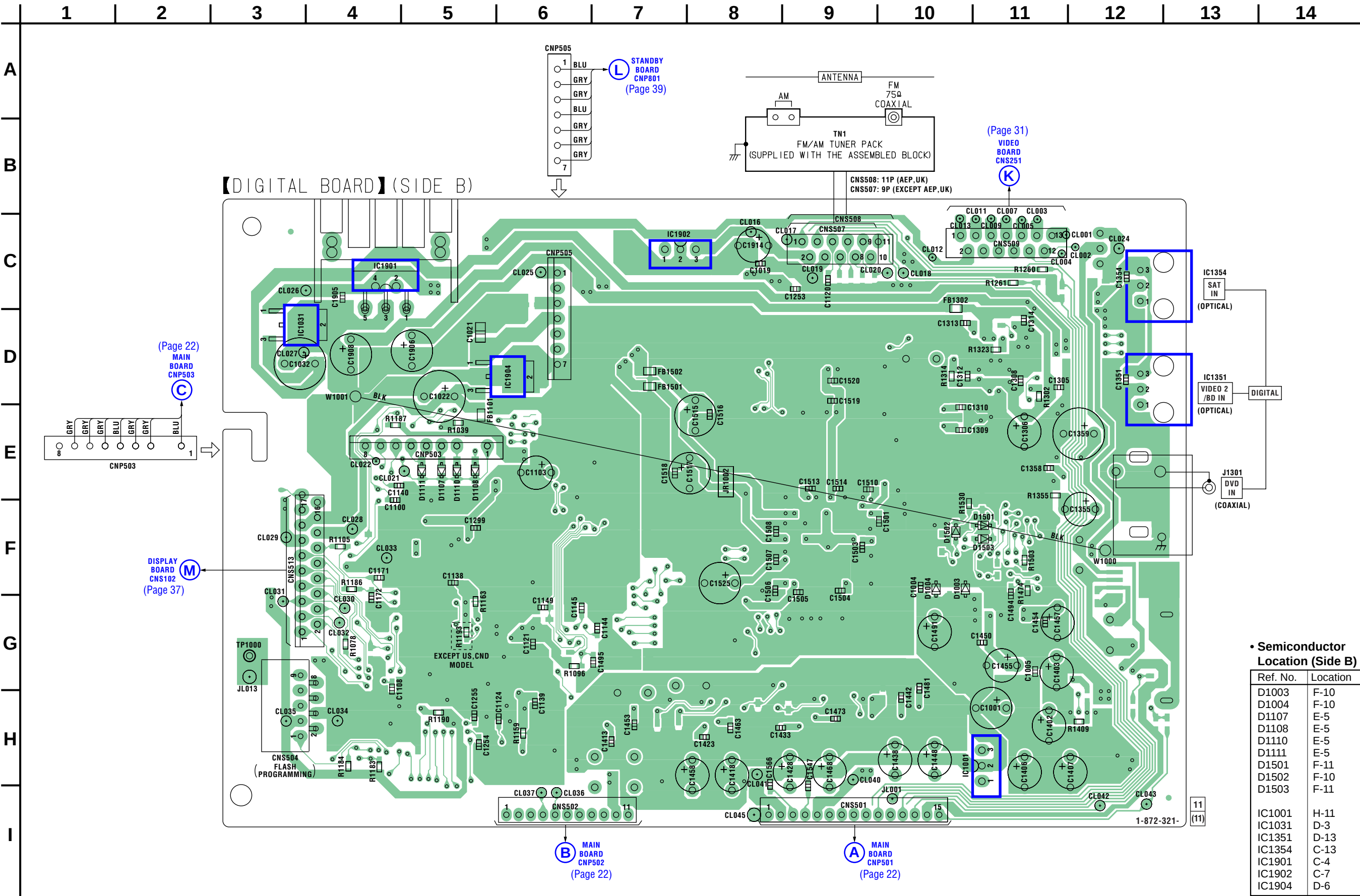
5-9. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 41 for IC Block Diagrams.



5-10. PRINTED WIRING BOARD — DIGITAL SECTION (1/2) — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.

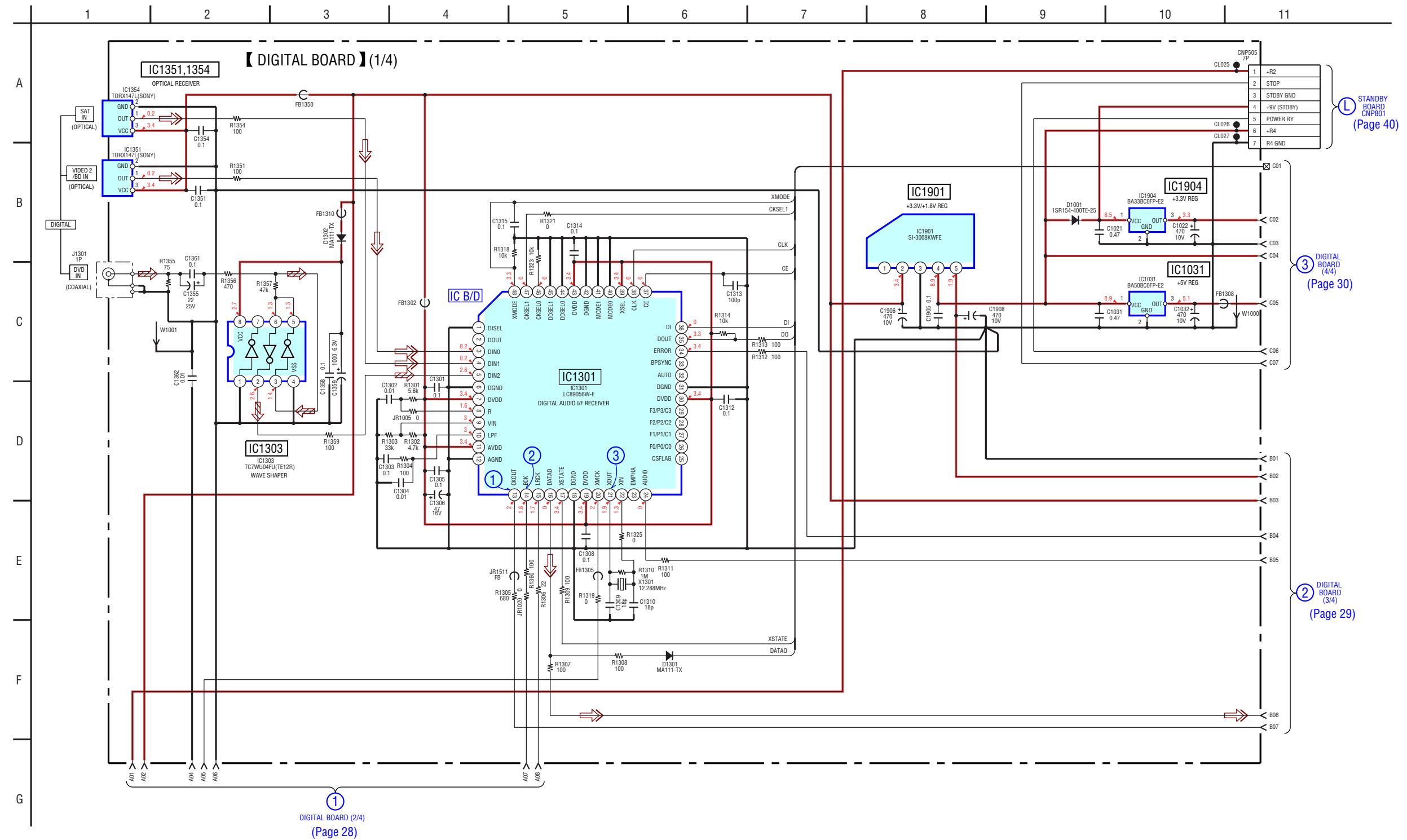


5-11. PRINTED WIRING BOARD — DIGITAL SECTION (2/2) — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.

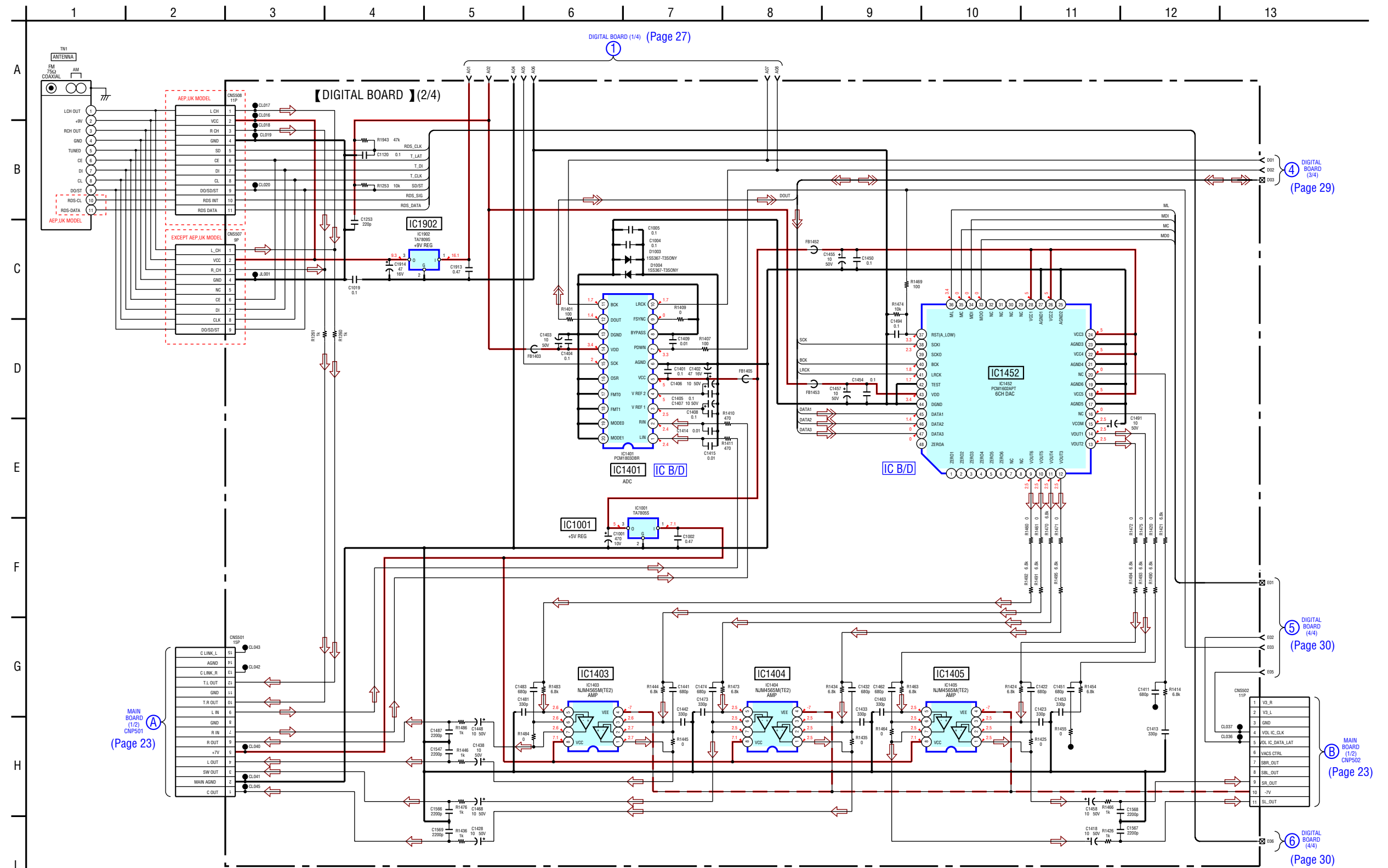


Semiconductor Location (Side B)	
Ref. No.	Location
D1003	F-10
D1004	F-10
D1107	E-5
D1108	E-5
D1110	E-5
D1111	E-5
D1501	F-11
D1502	F-10
D1503	F-11
IC1001	H-11
IC1031	D-3
IC1351	D-13
IC1354	C-13
IC1901	C-4
IC1902	C-7
IC1904	D-6

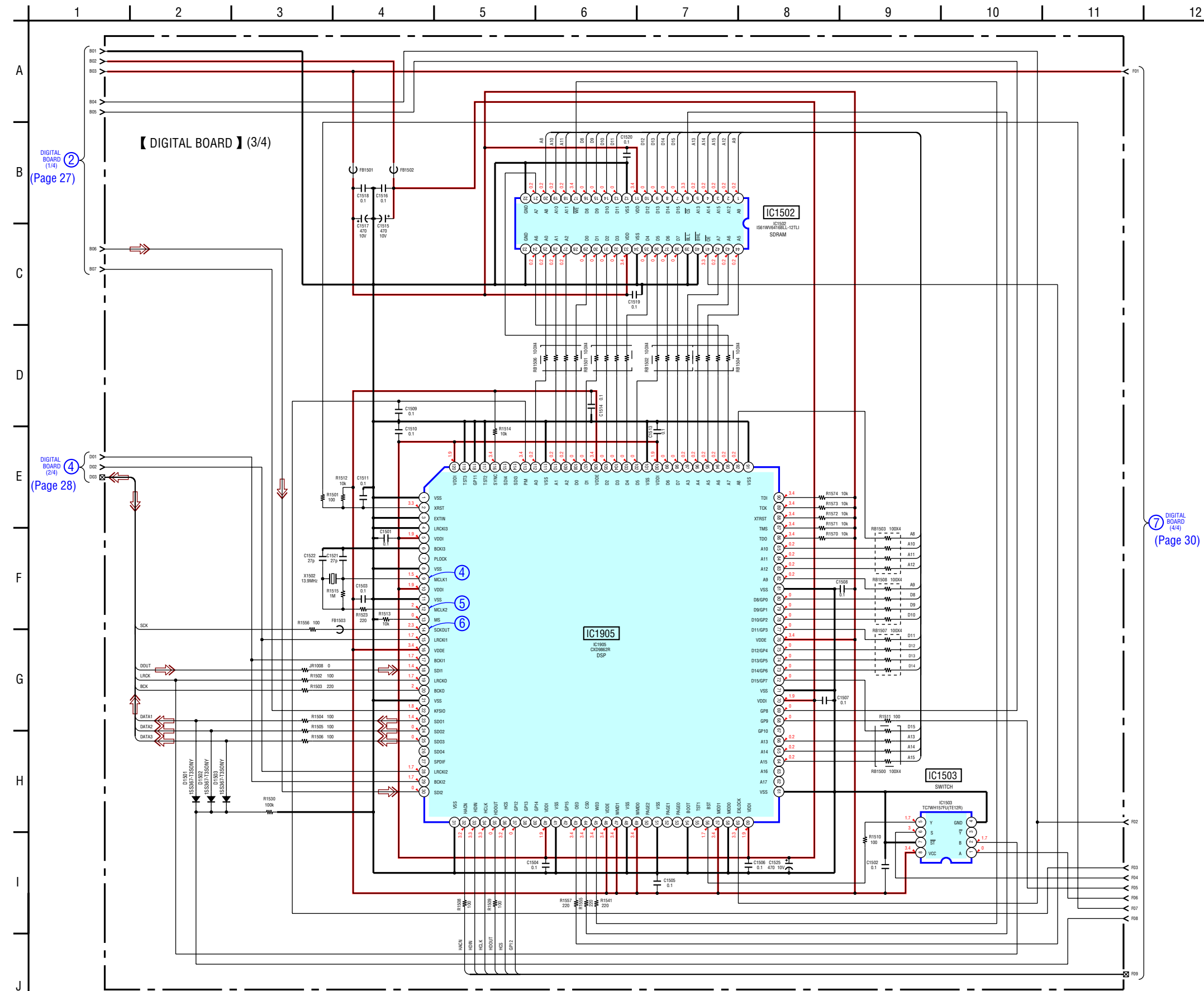
5-12. SCHEMATIC DIAGRAM — DIGITAL SECTION (1/4) — • Refer to page 21 for Waveforms and page 42 for IC Block Diagrams.



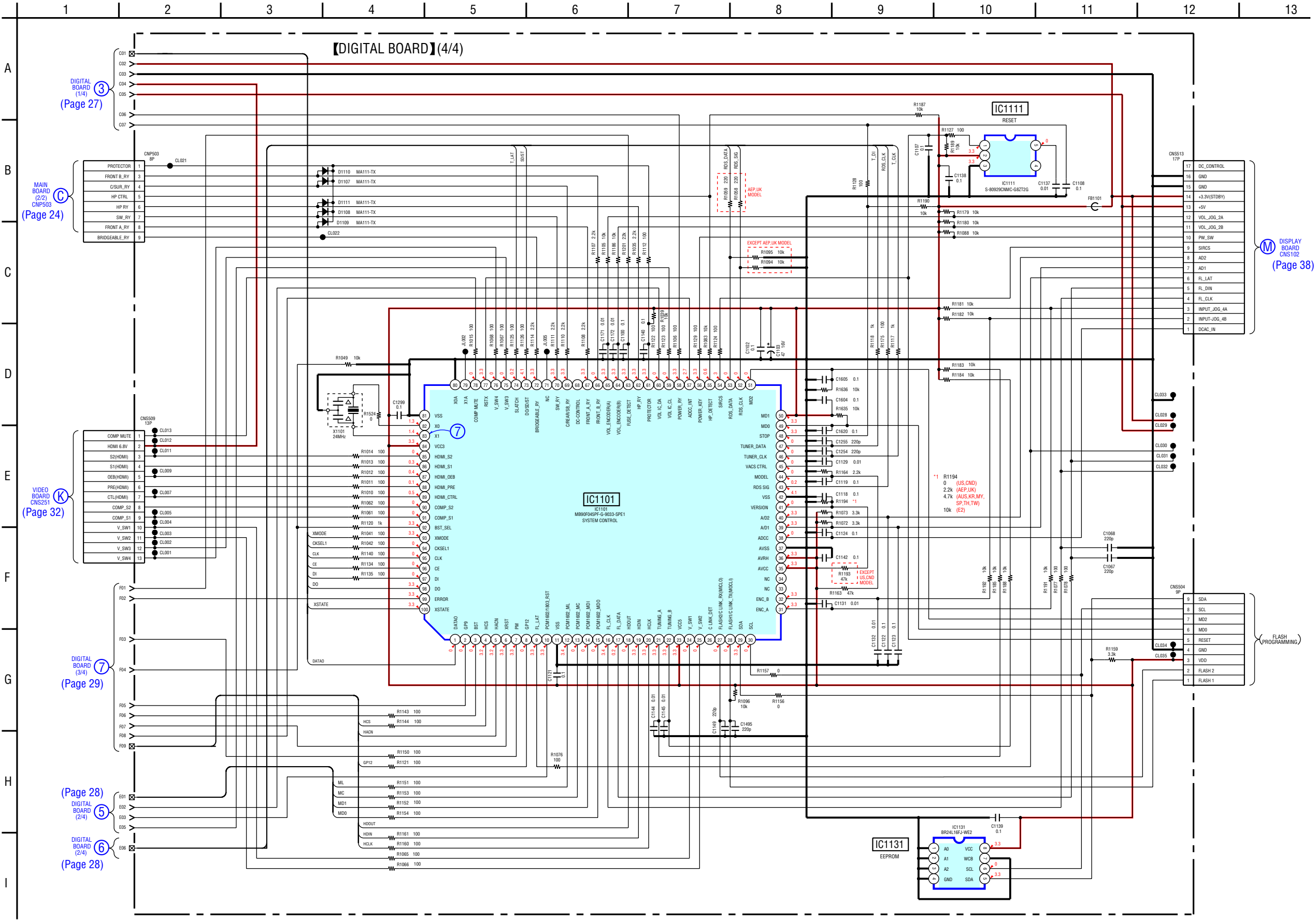
5-13. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/4) — • Refer to page 42 for IC Block Diagrams.



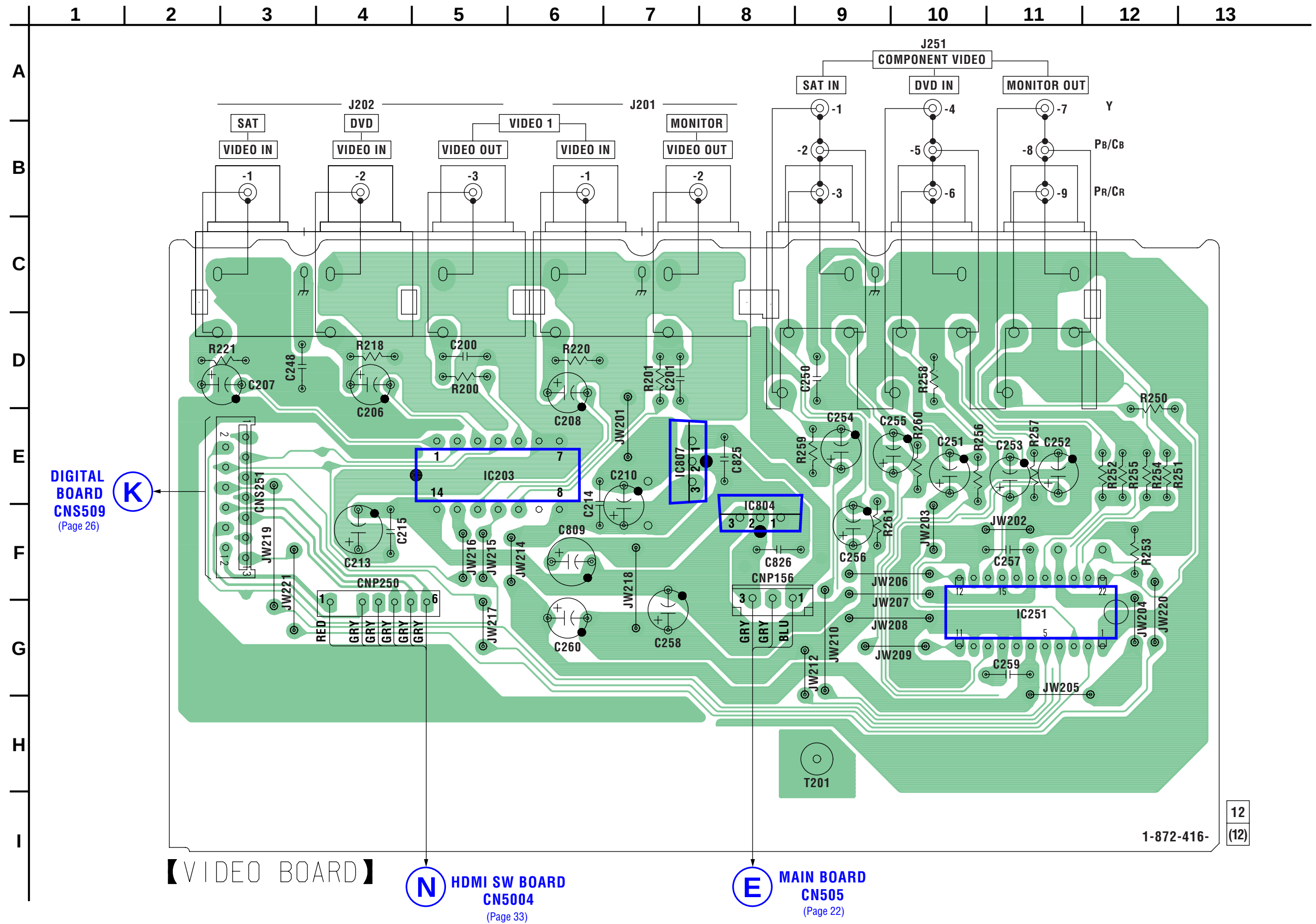
5-14. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/4) — • Refer to page 21 for Waveforms and page 45 IC Pin Descriptions.



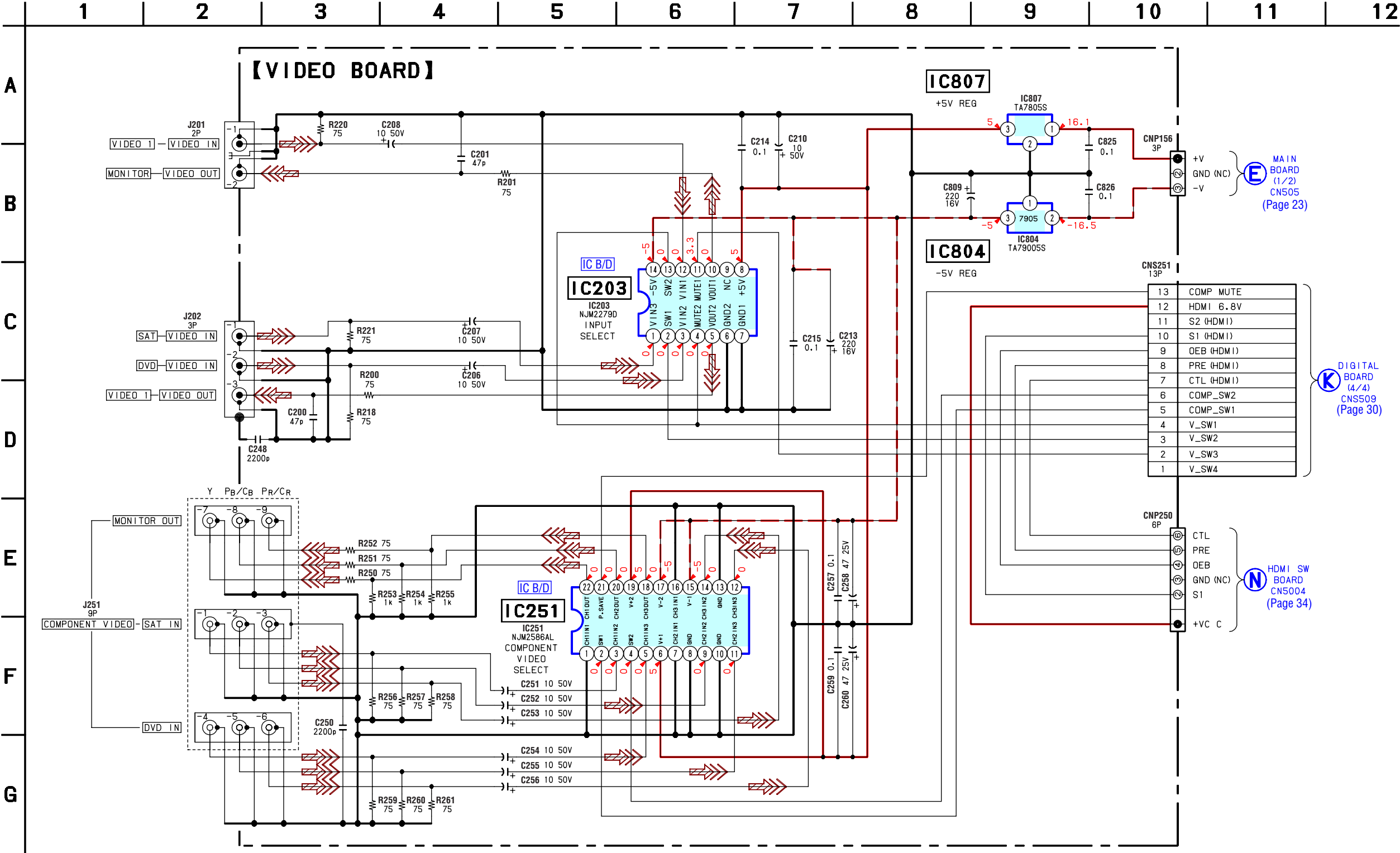
5-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (4/4) — • Refer to page 21 for Waveforms and page 47 for IC Pin Descriptions.



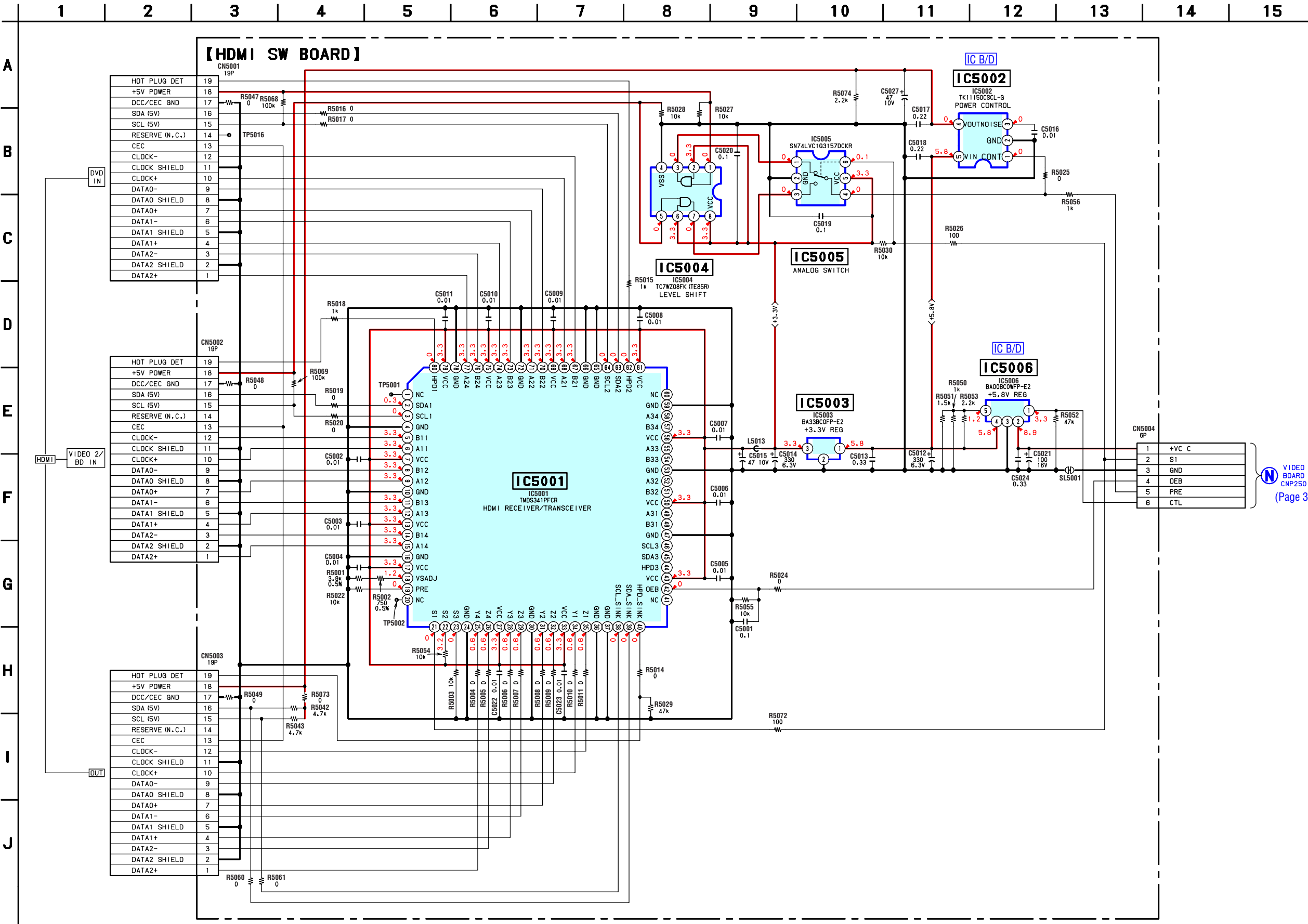
5-16. PRINTED WIRING BOARD — VIDEO SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



5-17. SCHEMATIC DIAGRAM — VIDEO SECTION — • Refer to page 43 for IC Block Diagrams.

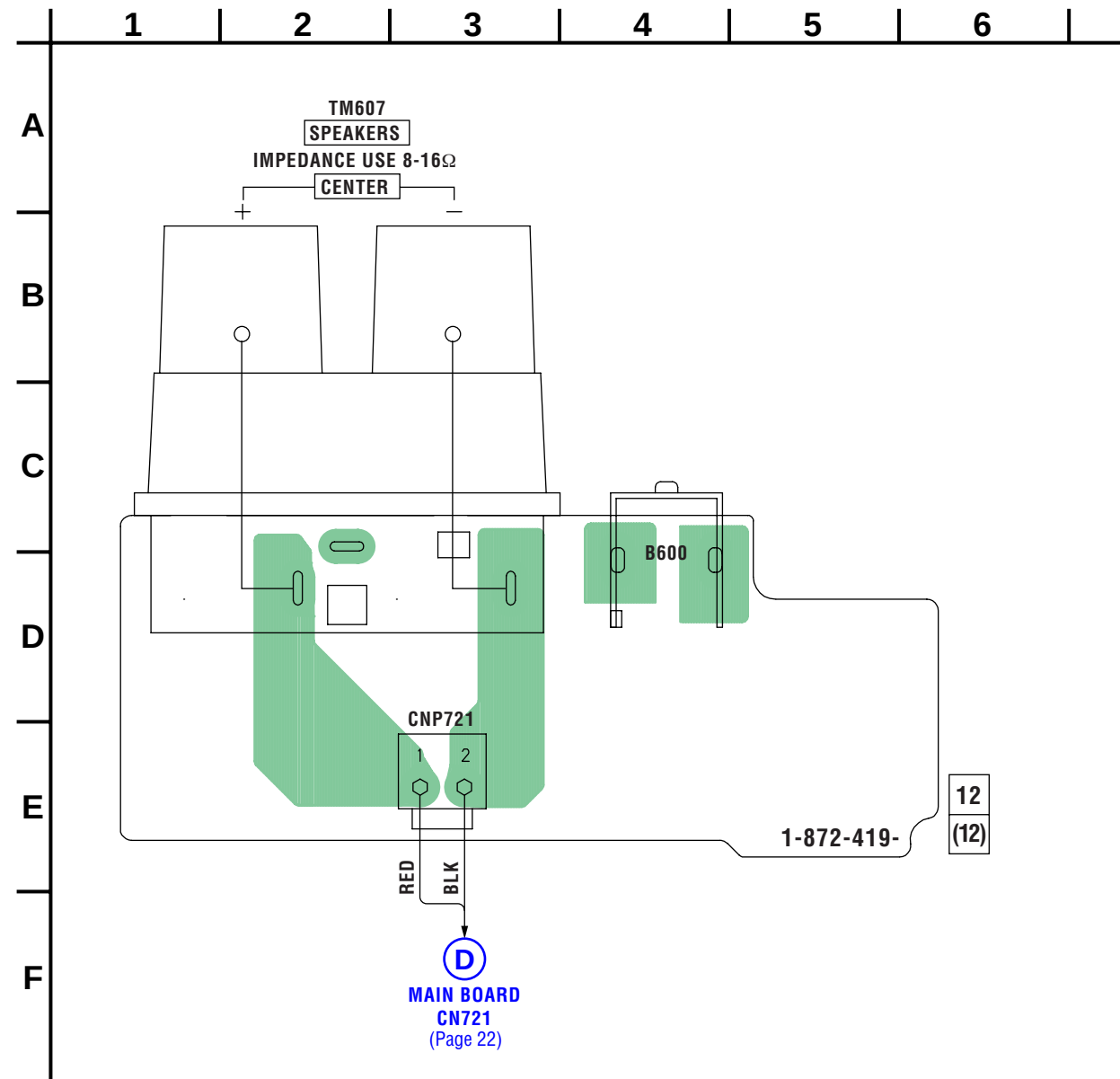


5-19. SCHEMATIC DIAGRAM — HDMI SW SECTION — • Refer to page 44 for IC Block Diagrams.



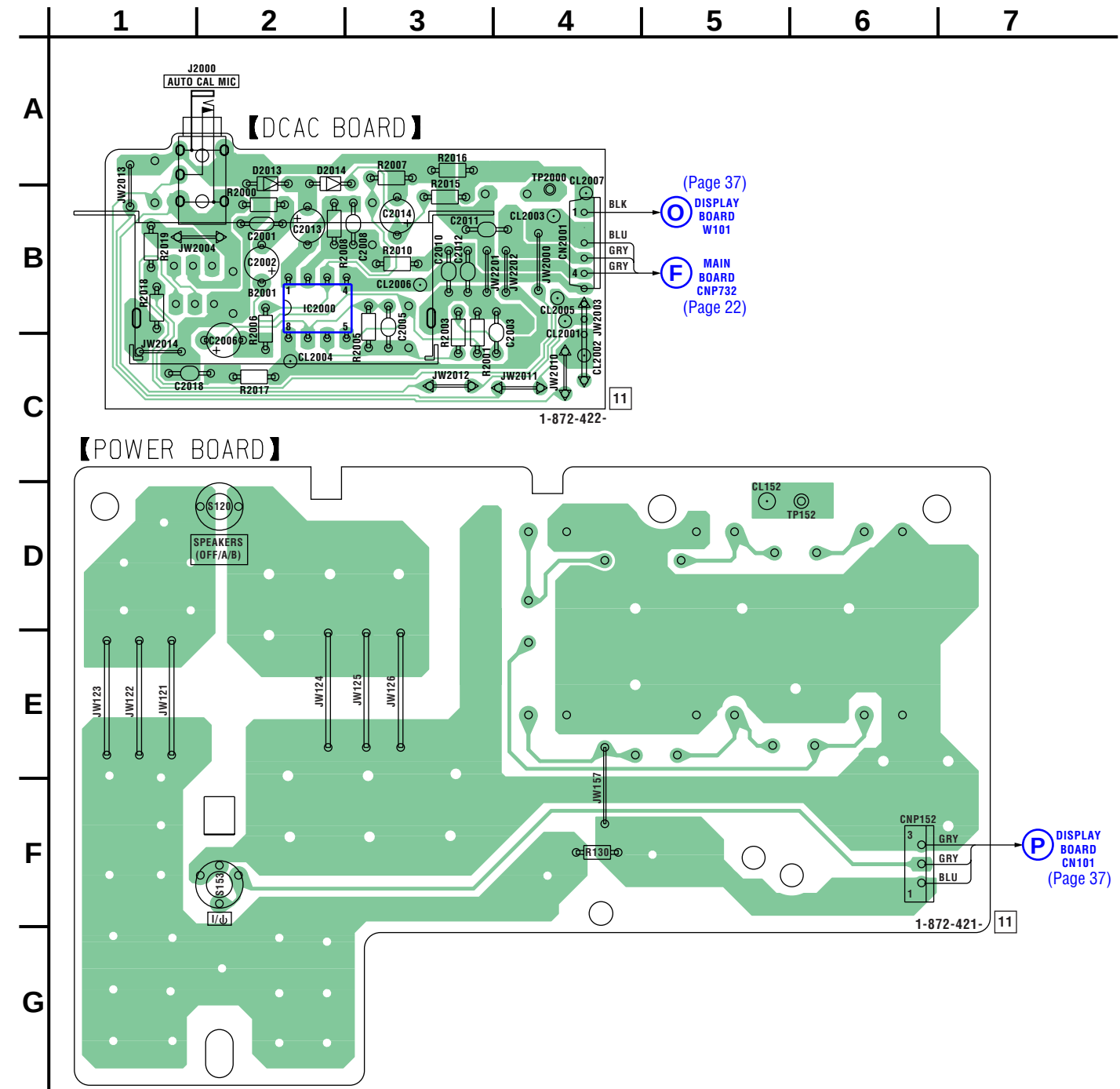
5-20. PRINTED WIRING BOARD — CENTER SPEAKER SECTION —

• Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

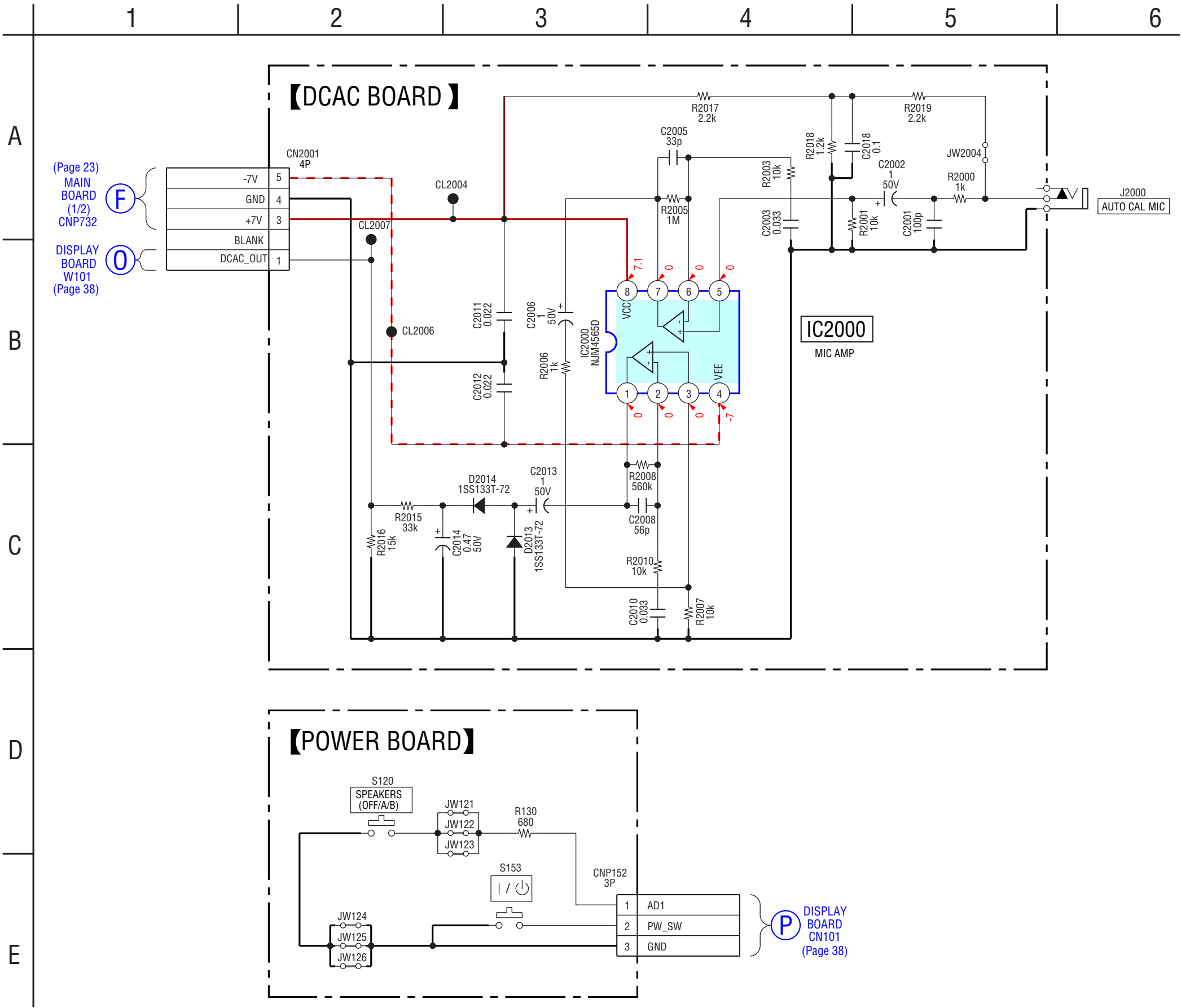


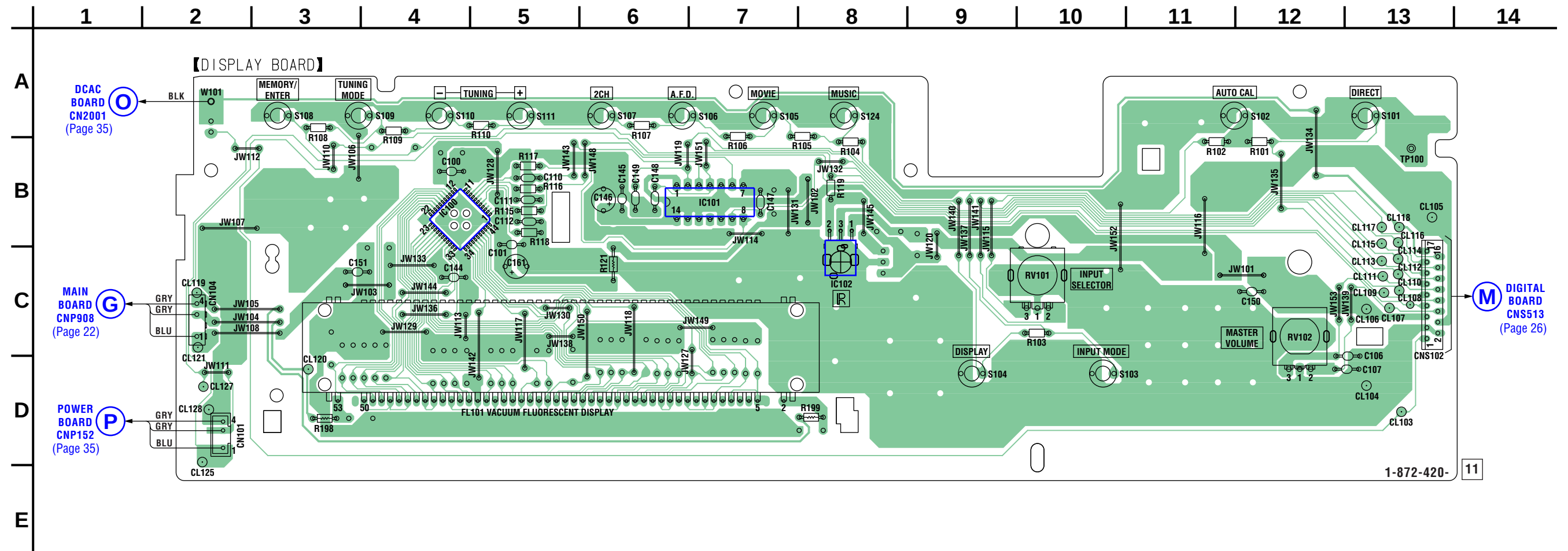
5-21. PRINTED WIRING BOARDS — DCAC, POWER KEY SECTION —

• Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

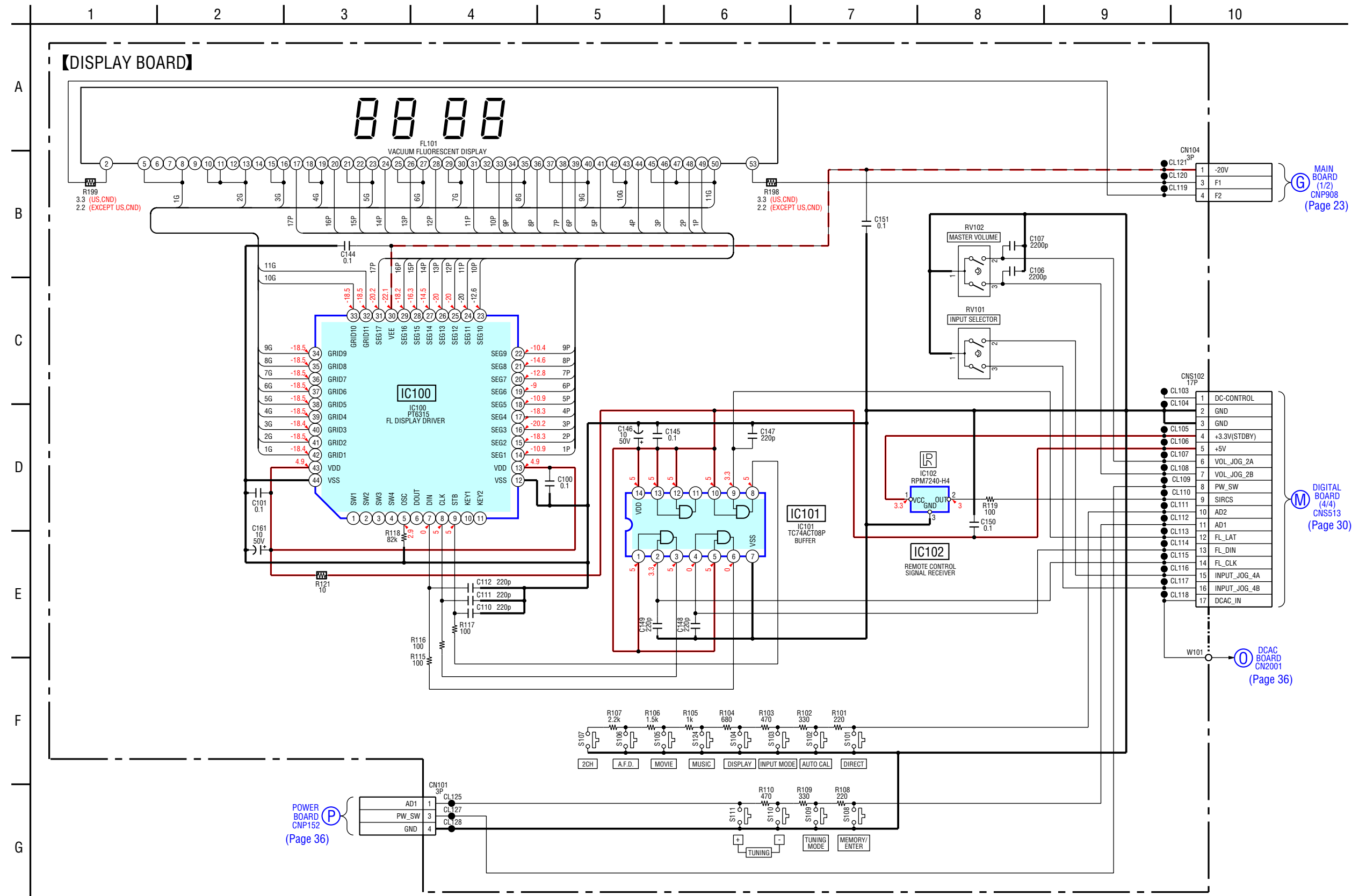


5-22. SCHEMATIC DIAGRAM — DCAC, POWER KEY SECTION —

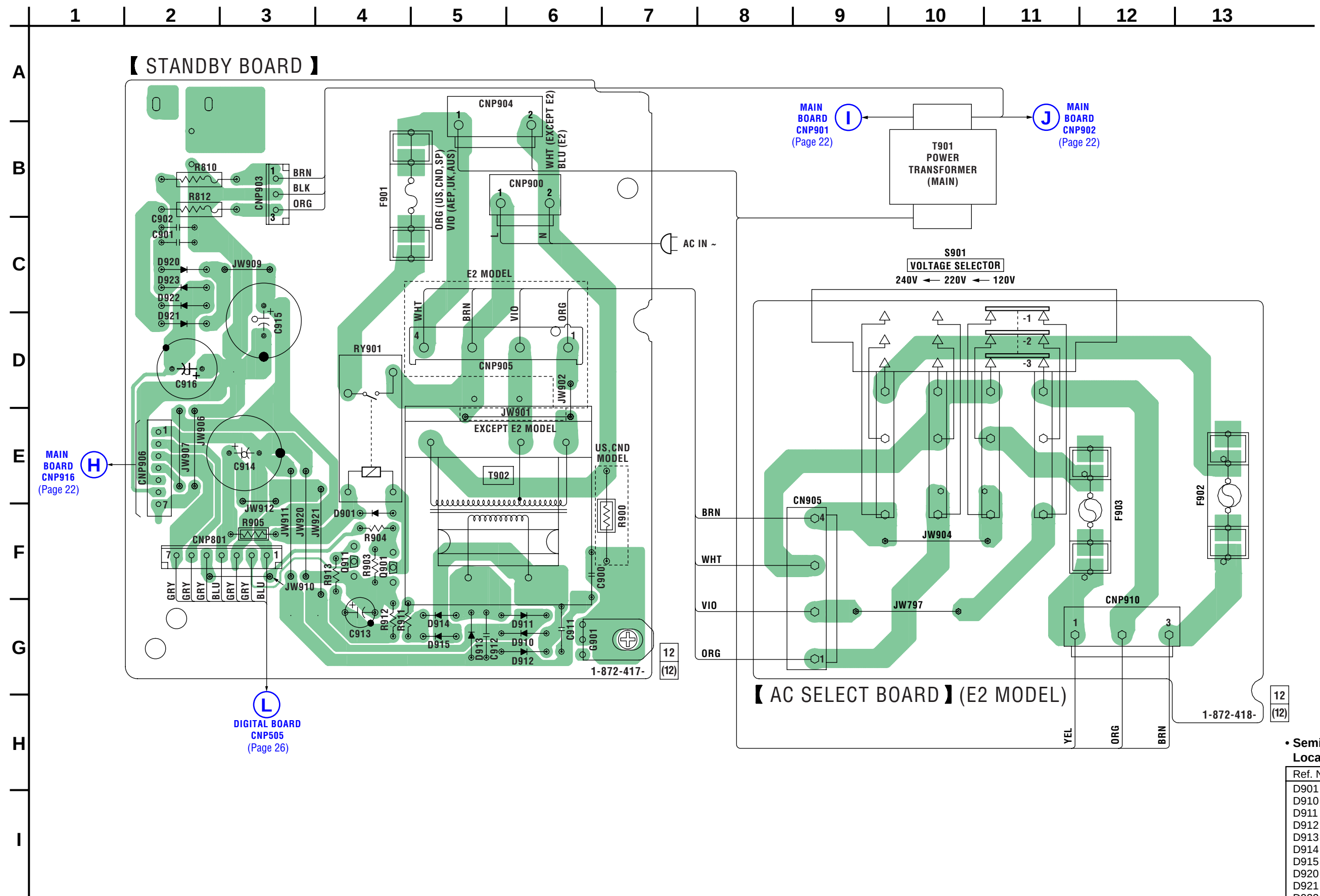


5-23. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

5-24. SCHEMATIC DIAGRAM — DISPLAY SECTION —



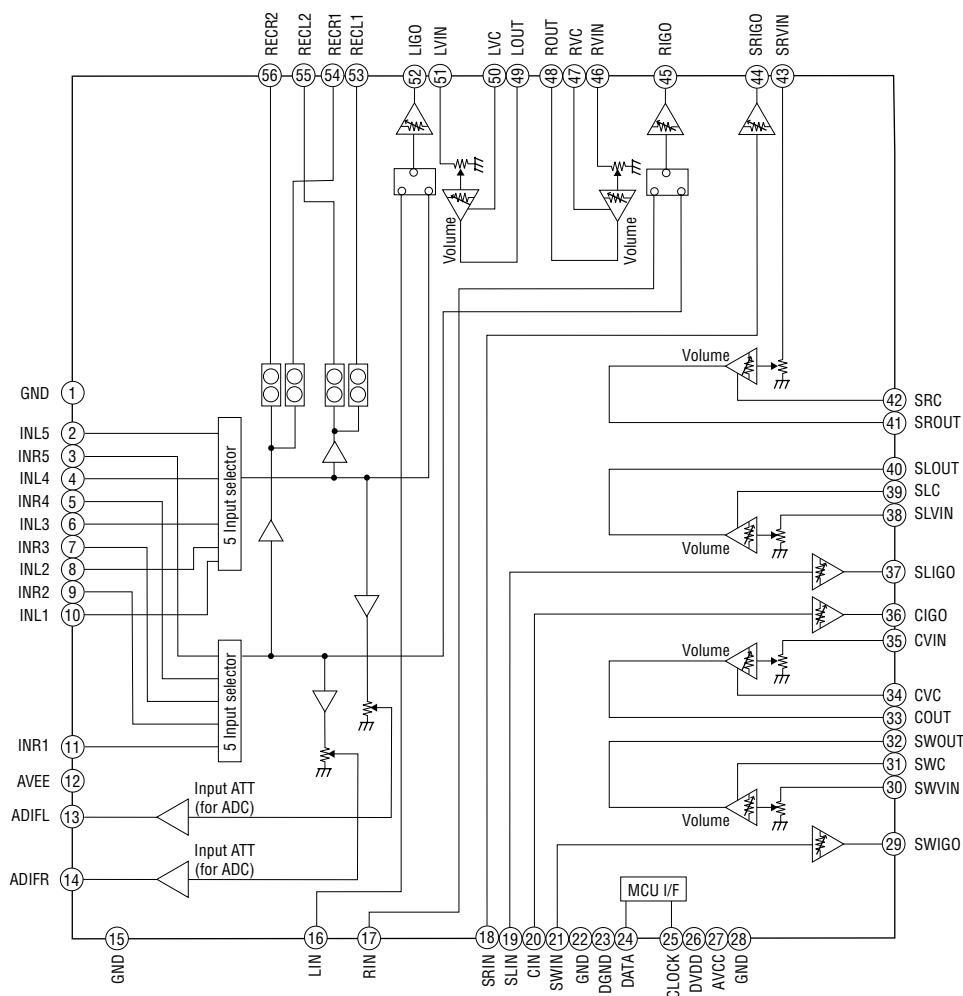
5-25. PRINTED WIRING BOARD — POWER SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



Semiconductor Location	
Ref. No.	Location
D901	F-4
D910	G-6
D911	G-6
D912	G-6
D913	G-5
D914	G-5
D915	G-5
D920	C-2
D921	D-2
D922	C-2
D923	C-2
Q901	F-4
Q911	F-4

• IC Block Diagrams

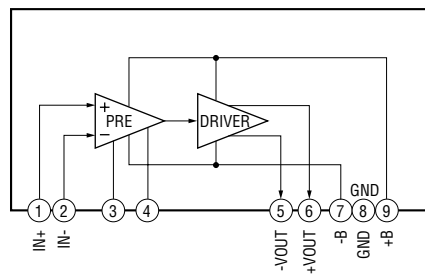
IC400 M61542FP (MAIN BOARD (1/2))



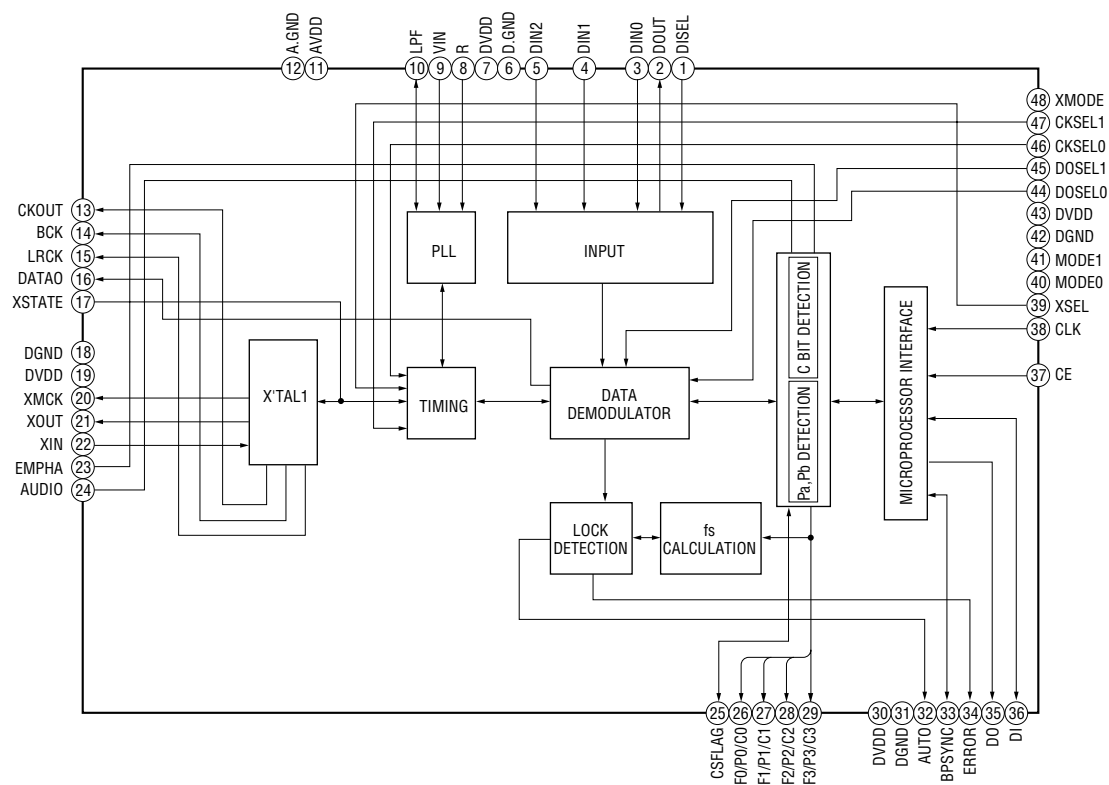
IC501 STK350-530T-E (MAIN BOARD (2/2))

IC601 STK350-530T-E (MAIN BOARD (2/2))

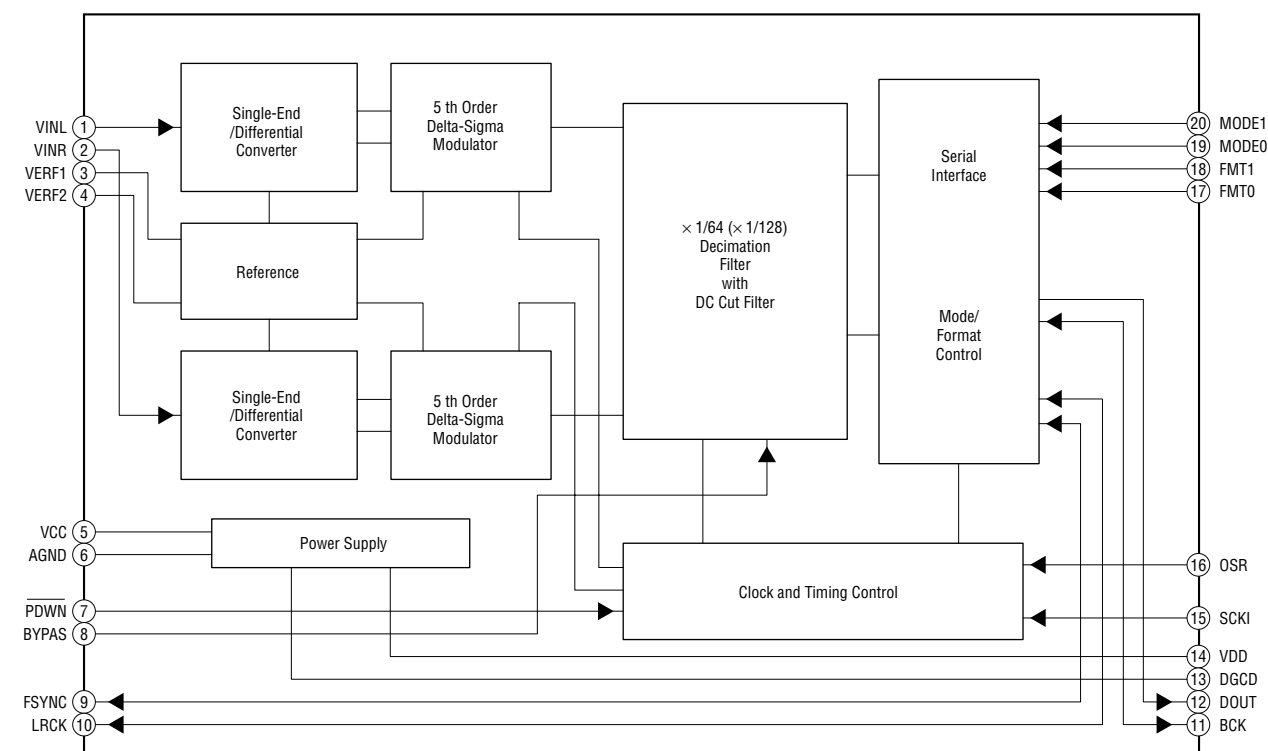
IC701 STK350-530T-E (MAIN BOARD (2/2))



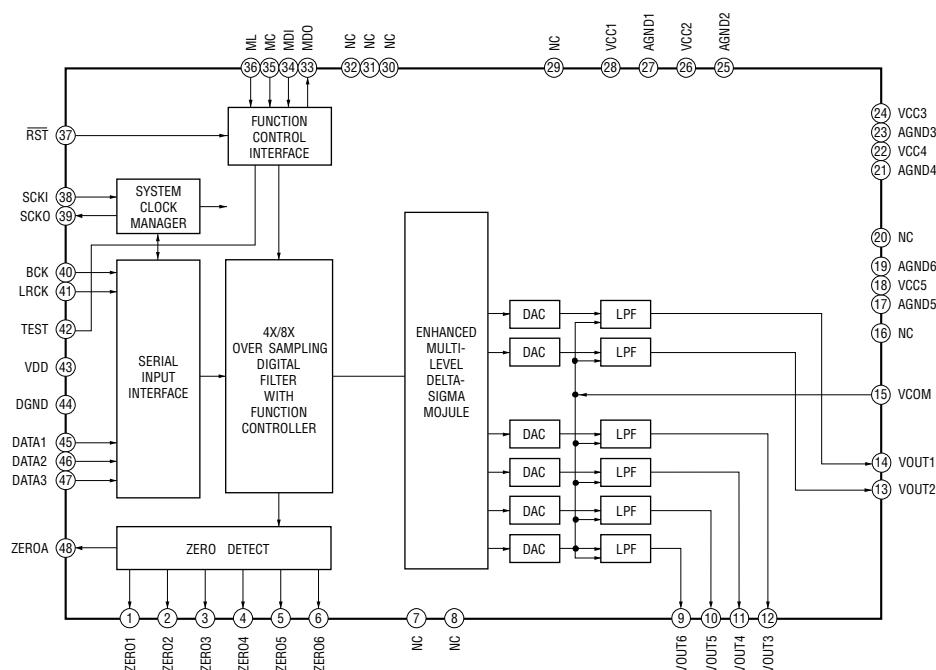
IC1301 LC89056W-E (DIGITAL BOARD (1/4))



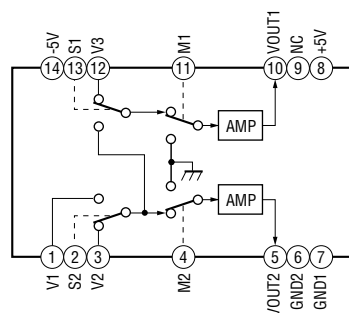
IC1401 PCM1803DBR (DIGITAL BOARD (2/4))



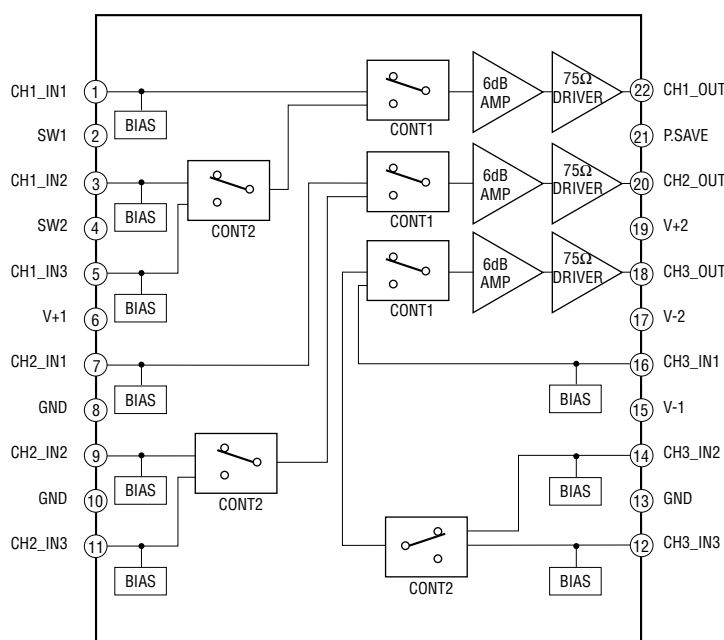
IC1452 PCM1602APT (DIGITAL BOARD (2/4))



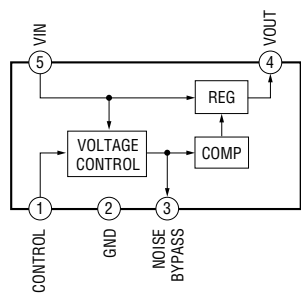
IC203 NJM2279D (VIDEO BOARD)



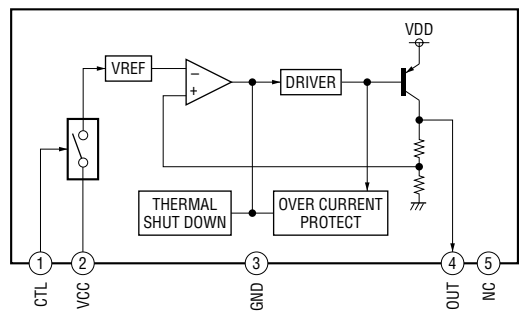
IC251 NJM2586AL (VIDEO BOARD)



IC5002 TK11150CSCL-G (HDMI SW BOARD)



IC5006 BA00BC0WFP-E2 (HDMI SW BOARD)



• IC Pin Descriptions

IC1905 CXD9862R (DSP) (DIGITAL BOARD (3/4))

Pin No.	Pin Name	I/O	Pin Description
1	VSS	—	Ground
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
9	MCLK1	I	Clock signal input (13.9 MHz)
10	VDDI	I	Power supply pin (+1.9 V)
11	VSS	—	Ground
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 6CH DAC IC
15	LRCKI1	I	Sampling clock signal input from ADC IC
16	VDDE	I	Power supply pin (+3.4 V)
17	BCKI1	I	Bit clock signal input from ADC IC
18	SDI1	I	Audio IF data input from ADC IC
19	LRCKO	O	Sampling clock signal output for 6CH DAC IC
20	BCKO	O	Bit clock signal output for 6CH DAC IC
21	VSS	—	Ground
22	KFSIO	I/O	Audio clock signal (384fs/256fs) input/output for DIR IC
23 to 25	SDO1 to SDO3	O	Digital audio serial data output for 6CH DAC IC
26	SDO4	O	Not used (Open)
27	SPDIF	O	Not used (Open)
28	LRCKI2	I	Sampling clock signal input from ADC IC
29	BCKI2	I	Bit clock signal input from ADC IC
30	SDI2	I	Digital audio serial data input from DIR IC
31	VSS	—	Ground
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
42	GP15	O	Not used (Open)
43	OE0	O	SDRAM output enable signal output for D/A converter IC (SDRAM)
44	CS0	O	External memory chip select signal output for D/A converter IC (SDRAM)
45	WE0	O	SDRAM write enable signal output for D/A converter IC (SDRAM)
46	VDDE	I	Power supply pin (+3.4 V)
47	WMD1	I	Not used (Fixed at H)
48	VSS	—	Ground
49	WMD0	I	Not used (Fixed at H)
50	PAGE2	O	Not used (Open)
51	VSS	—	Ground
52, 53	PAGE1, PAGE0	O	Not used (Open)
54	BOOT	I	Not used (Connect to ground)
55	TST1	O	Not used (Open)

Pin No.	Pin Name	I/O	Pin Description
56	BST	I	Boot stop signal input from SYSTEM CONTROL IC
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 DIR IC
60	VDDI	I	Power supply pin (+1.9 V)
61	VSS	—	Ground
62, 63	A17, A16	O	Not used (Open)
64 to 66	A15 to A13	O	External memory address signal output for D/A converter IC (SDRAM)
67	GP10	O	Not used (Open)
68	GP9	O	GP9 signal output for SYSTEM CONTROL IC
69	GP8	I	Audio signal input from DIR IC
70	VDDI	I	Power supply pin (+1.9 V)
71	VSS	—	Ground
72 to 75	D15/GP7 to D12/GP4	I/O	External memory data input/output for D/A converter IC (general port)
76	VDDE	I	Power supply pin (+3.4 V)
77 to 80	D11/GP3 to D8/GP0	I/O	External memory data input/output for D/A converter IC (general port)
81	VSS	—	Ground
82	A9	O	External memory address signal output for D/A converter IC (SDRAM)
83 to 85	A12 to A10	O	External memory address signal output for D/A converter IC (SDRAM)
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
92 to 97	A8 to A3	O	External memory address signal output for D/A converter IC (SDRAM)
98, 99	D7, D6	I/O	External memory data input/output for D/A converter IC (SDRAM)
100	VDDI	I	Power supply pin (+1.9 V)
101	VSS	—	Ground
102 to 105	D5 to D2	I/O	External memory data input/output for D/A converter IC (SDRAM)
106	VDDE	I	Power supply pin (+3.4 V)
107, 108	D1, D0	I/O	External memory data input/output for D/A converter IC (SDRAM)
109, 110	A2, A1	O	External memory address signal output for D/A converter IC (SDRAM)
111	VSS	—	Ground
112	A0	O	External memory address signal output for D/A converter IC (SDRAM)
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)

IC1101 MB90F045PF-G-9033-SPE1 (SYSTEM CONTROL) (DIGITAL BOARD (4/4))

Pin No.	Pin Name	I/O	Pin Description
1	DATAO	I	Serial data line signal input from DIR IC
2	GP9	I	GP9 signal input from DSP IC
3	BST	O	Boot stop control signal output for DSP IC
4	HCS	O	Chip select signal output for DSP IC
5	HACN	I	Acknowledge signal input from DSP IC
6	XRST	O	Reset signal output for DSP IC
7	PM	O	PLL control signal output for DSP IC
8	GP12	O	GP12 signal output for DSP IC
9	FL_LAT	O	Latch signal output for FL driver IC
10	PCM1602/1803_RST	O	Reset signal output for 6CH DAC IC/ADC IC
11	VSS	—	Ground
12	PCM1602_ML	O	Serial latch signal output for 6CH DAC IC
13	PCM1602_MC	O	Serial clock signal output for 6CH DAC IC
14	PCM1602_MDI	O	Serial data output for 6CH DAC IC
15	PCM1602_MDO	I	Serial data input from 6CH DAC IC
16	FL_CLK	O	Clock signal output for FL driver IC
17	FL_DATA	O	Serial data output for FL driver IC
18	HDOUT	I	Serial data input from DSP IC
19	HDIN	O	Serial data output for DSP IC
20	HCLK	O	Serial data clock signal output for DSP IC
21	TUNING_A	I	TUNING +/- encoder (A) signal input (Not used in this set)
22	TUNING_B	I	TUNING +/- encoder (B) signal input (Not used in this set)
23	VCC5	—	Power supply pin (+3.3 V)
24	V_SW1	O	Video SW1 signal output for INPUT SELECT IC
25	V_SW2	O	Video SW2 signal output for INPUT SELECT IC
26	C LINK_DET	I	C Link detect signal input (Not used in this set)
27	FLASH2/ C LINK_RX(MICLO)	O	Flash programming signal output 2
28	FLASH1/ C LINK_TX(MOCLI)	O	Flash programming signal output 1
29	SDA	I/O	Serial data input/output for EEPROM IC
30	SCL	O	Clock signal output for EEPROM IC
31	ENC_A	I	INPUT SELECTOR encoder (A) signal input
32	ENC_B	I	INPUT SELECTOR encoder (B) signal input
33, 34	NC	O	Not used (Open)
35	AVCC	—	Power supply pin (+3.3 V)
36	AVRH	—	Power supply pin (+3.3 V)
37	AVSS	—	Ground
38	ADCC	I	AUTO CAL MIC analog signal input
39, 40	A/D1, A/D2	I	Key signal input (A/D port)
41	VERSION	I	Destination detection signal input (L: Except AEP, UK model, H: AEP, UK model)
42	VSS	—	Ground
43	RDS_SIG	I	RDS signal level input (AEP, UK model)
44	MODEL	I	Model detection signal input
45	VACS CTRL	I	VACS control signal input (Not used in this set)
46	TUNER_CLK	O	Serial clock signal output for tuner pack
47	TUNER_DATA	O	Serial data output for tuner pack
48	STOP	I	AC off detection signal input
49	MOD0	—	Selection of micon operation mode
50	MOD1	—	Not used (Connect to AVCC)
51	MOD2	—	Selection of micon operation mode
52	RDS_CLK	I	RDS data clock signal input (AEP, UK model)

Pin No.	Pin Name	I/O	Pin Description
53	RDS_DATA	I	RDS data input (AEP, UK model)
54	SIRCS	I	SIRCS signal input
55	HP_DETECT	I	Headphones detection signal input
56	POWER_KEY	I	Power key detection signal input
57	ADCC_INT	I	ADCC data input from DSP IC
58	POWER_RY	O	Power relay driver control signal output
59	VOL_IC_CL	O	Clock signal output for DIR IC
60	VOL_IC_DA	O	Serial data and latch output for DIR IC
61	PROTECTOR	I	Protector detection signal input
62	HP_RY	O	Headphone relay driver control signal output
63	FUSE_DETECT	I	Fuse open detection signal input
64	VOL_ENCODER(B)	I	MASTER VOLUME encoder (B) signal input
65	VOL_ENCODER(A)	I	MASTER VOLUME encoder (A) signal input
66	FRONT_B_RY	O	Front B speaker relay driver control signal output
67	FRONT_A_RY	O	Front A speaker relay driver control signal output
68	DC-CONTROL	O	DCAC DC-BIAS switch control signal output (Not used in this set)
69	C/REAR/SB_RY	O	Center/surround speaker relay driver control signal output
70	SW_RY	O	Sub woofer relay driver control signal output
71	NC	O	Not used (Open)
72	BRIDGEABLE_RY	O	Bridgeable relay driver control signal output (Not used in this set)
73	DO/SD/ST	I	Tuner serial data input
74	SLATCH	O	Tuner latch signal output
75	V_SW3	O	Video SW3 signal output for INPUT SELECT IC (Not used in this set)
76	V_SW4	O	Video SW4 signal output for INPUT SELECT IC (Not used in this set)
77	RSTX	I	Reset signal input
78	COMP MUTE	O	COMPONENT VIDEO mute signal output
79	X1A	—	Not used (Open)
80	X0A	—	Not used (Connect to VSS)
81	VSS	—	Ground
82	X0	—	Clock signal input (24 MHz)
83	X1	—	Clock signal output (24 MHz)
84	VCC3	—	Power supply pin (+3.3 V)
85	HDMI_S2	O	HDMI S2 signal output (Not used in this set)
86	HDMI_S1	O	HDMI S1 signal output
87	HDMI_OEB	O	HDMI OEB signal output
88	HDMI_PRE	O	HDMI PRE signal output
89	HDMI_CTRL	O	HDMI control signal output
90	COMP_S2	O	COMPONENT VIDEO assign SW2 signal output
91	COMP_S1	O	COMPONENT VIDEO assign SW1 signal output
92	BST_SEL	O	96/24 signal output for DSP IC
93	XMODE	O	Xmode signal output for DIR IC
94	CKSEL1	O	Clock select signal output for DIR IC
95	CLK	O	Data clock signal output for DIR IC
96	CE	O	Latch signal output for DIR IC
97	DI	O	Data output for DIR IC
98	DO	I	Data input from DIR IC
99	ERROR	I	Error detection signal input from DIR IC
100	XSTATE	I	Xstate signal input from DIR IC

SECTION 6

EXPLODED VIEWS

NOTE:

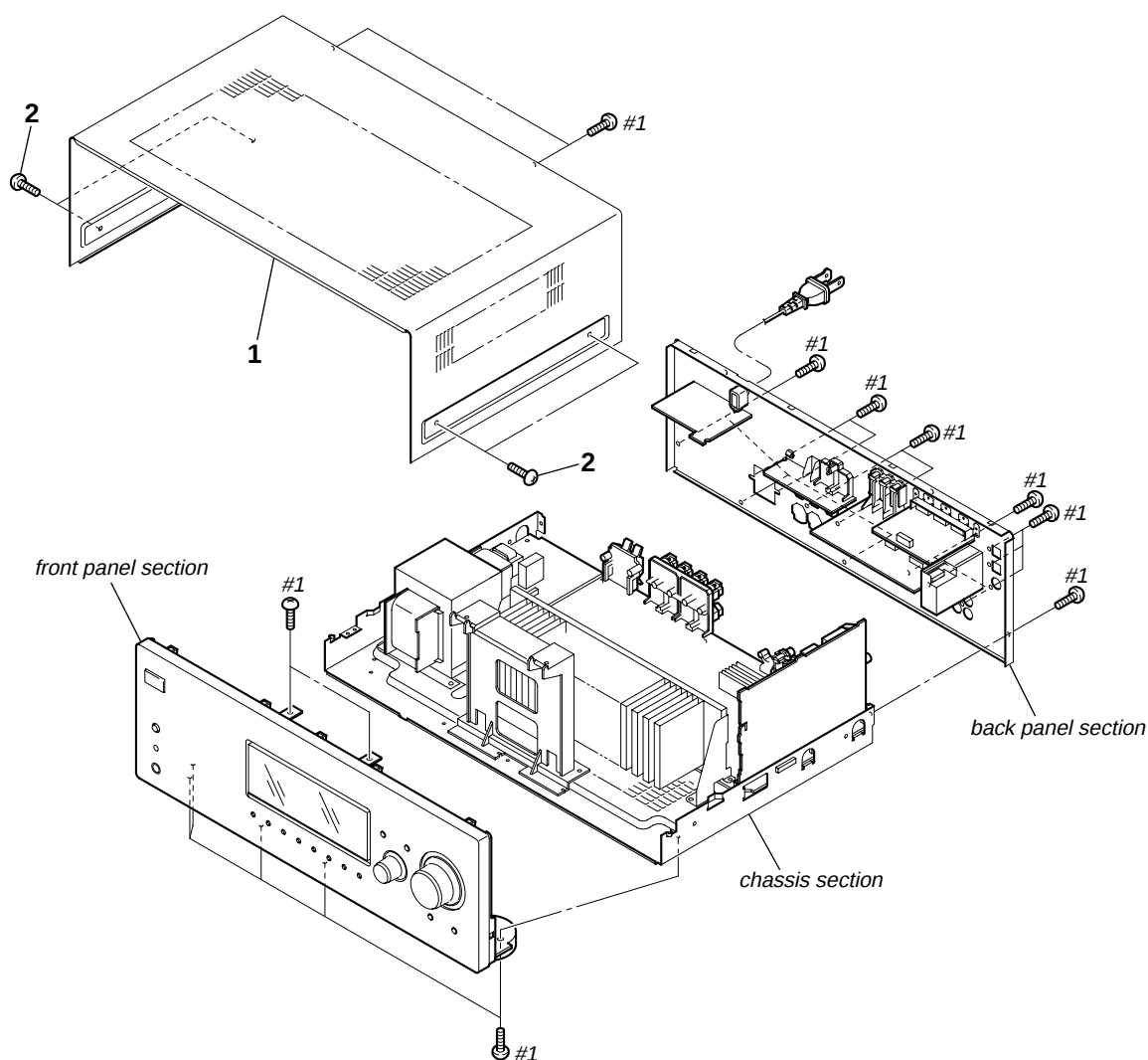
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
CND : Canadian model
AUS : Australian model
E2 : 120 V AC area in E model
KR : Korea model
MY : Malaysia model
SP : Singapore model
TH : Thai model
TW : Taiwan model

- -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.

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

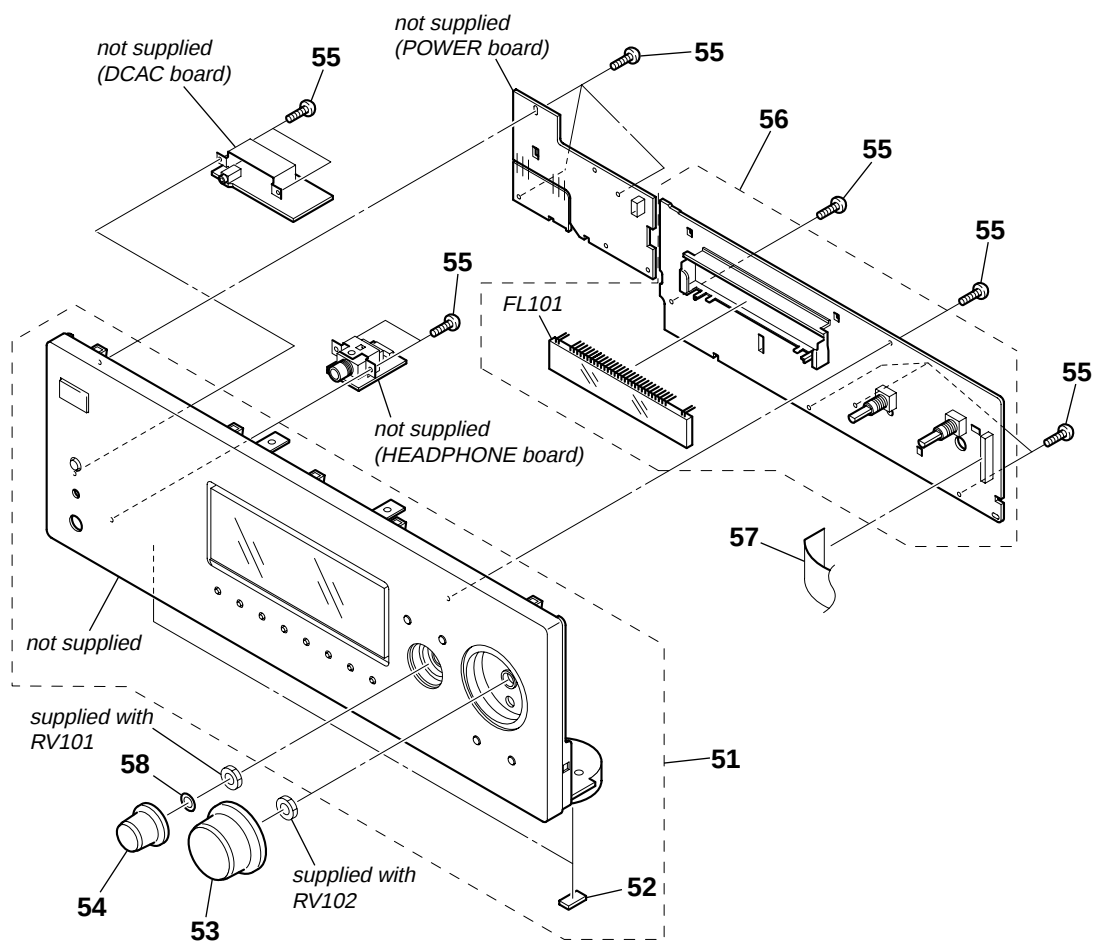
Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. CASE SECTION



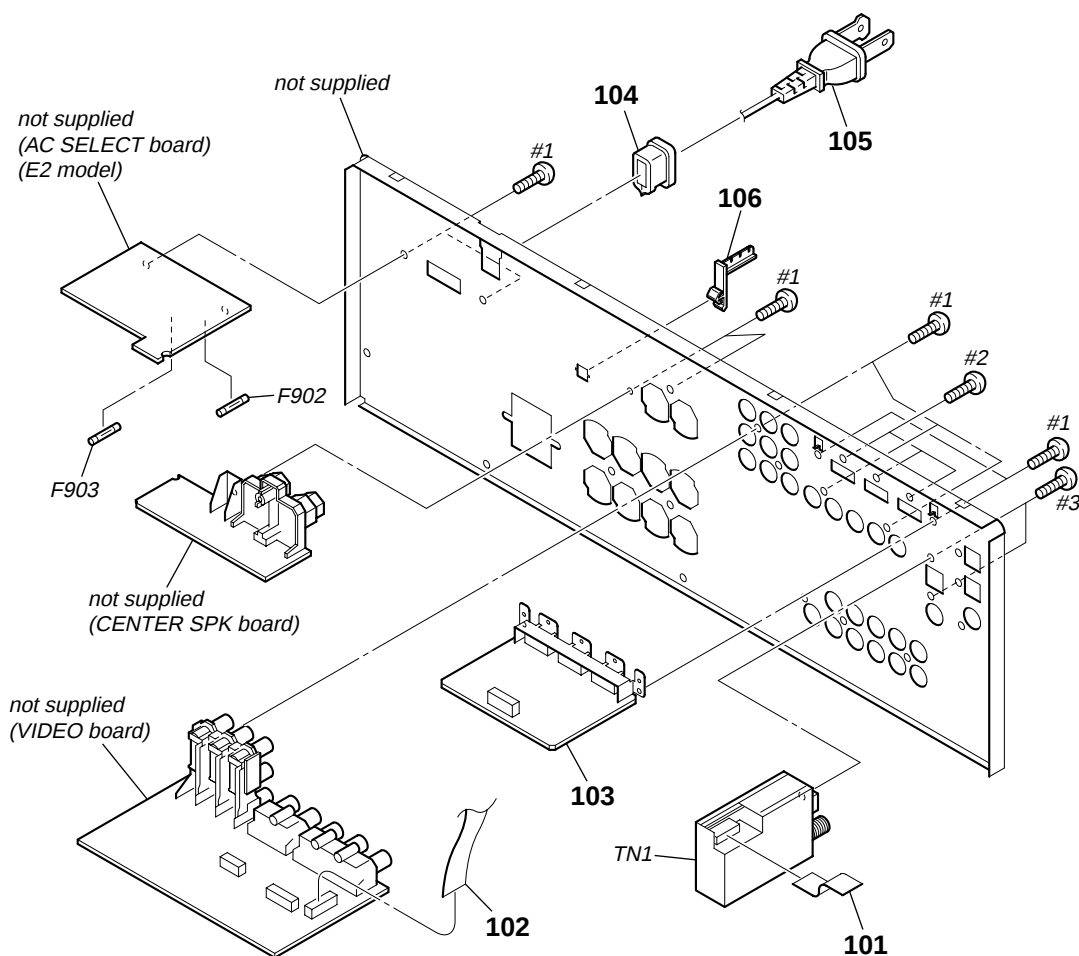
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	2-661-145-11	CASE (BLACK)...(BLACK)		2	3-363-099-11	SCREW (CASE 3 TP2) (SILVER)...(SILVER)	
1	2-661-145-31	CASE (SILVER)...(SILVER)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
2	3-363-099-02	SCREW (CASE 3 TP2) (BLACK)...(BLACK)					

6-2. FRONT PANEL SECTION



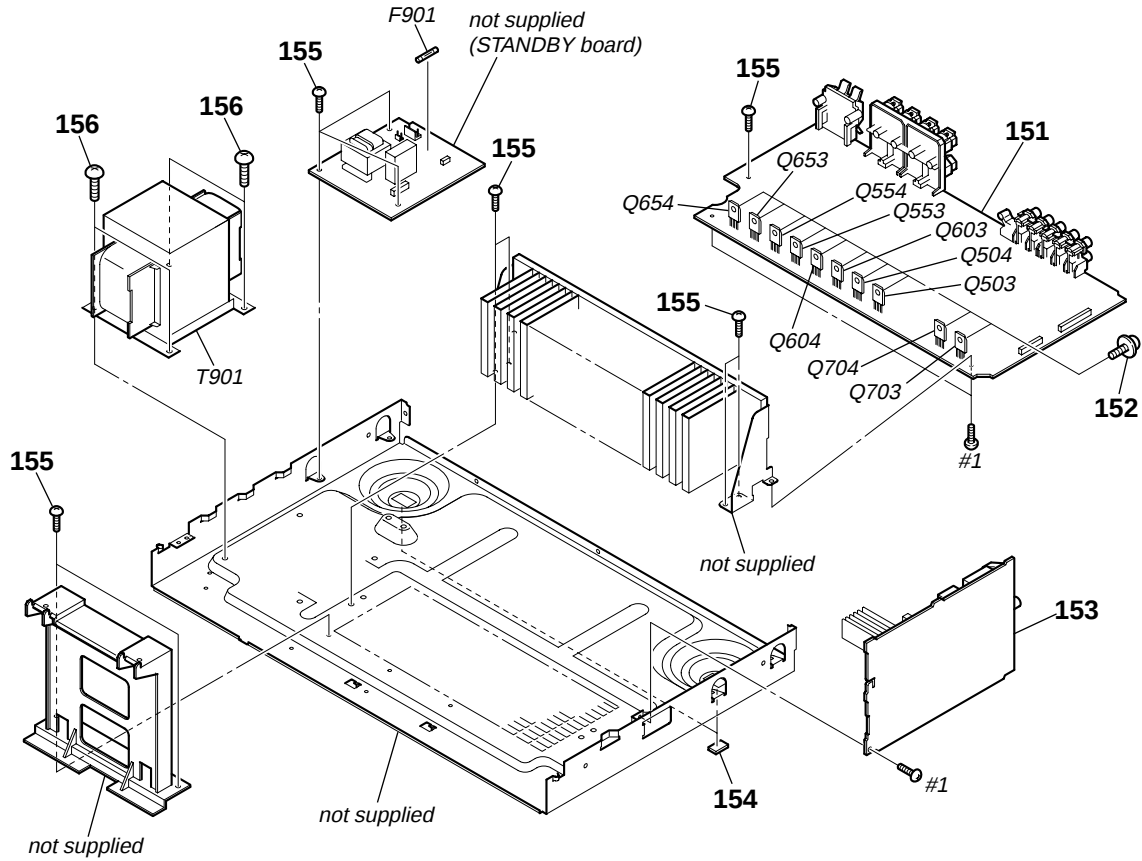
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2159-962-A	FRONT PANEL ASSY (BLACK)...(BLACK) (US)		54	2-661-141-11	KNOB (MENU) (SILVER)...(SILVER)	
51	X-2159-963-1	FRONT PANEL ASSY (BLACK)...(BLACK) (CND)		55	3-087-053-01	+BVTP 2.6 (3CR)	
51	X-2159-964-1	FRONT PANEL ASSY (BLACK)...(BLACK) (AEP,UK)		56	A-1221-600-A	DISPLAY BOARD, COMPLETE (US,CND)	
51	X-2176-137-1	FRONT PANEL ASSY (SILVER)...(SILVER) (AEP,UK)		56	A-1221-612-A	DISPLAY BOARD, COMPLETE (AEP,UK,AUS,KR)	
51	X-2176-971-1	FRONT PANEL ASSY (SILVER)...(SILVER) (E2,AUS,KR,MY,SP,TH,TW)		56	A-1243-255-A	DISPLAY BOARD, COMPLETE (MY,SP,TH)	
52	4-977-358-01	CUSHION		56	A-1243-256-A	DISPLAY BOARD, COMPLETE (TW)	
53	2-661-142-01	KNOB (VOLUME) (BLACK)...(BLACK)		56	A-1243-257-A	DISPLAY BOARD, COMPLETE (E2)	
53	2-661-142-11	KNOB (VOLUME) (SILVER)...(SILVER)		57	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)	
54	2-661-141-01	KNOB (MENU) (BLACK)...(BLACK)		58	3-354-981-11	SPRING (SUS), RING	
				FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY	

6-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-828-953-11	WIRE (FLAT TYPE) (9 CORE) (EXCEPT AEP,UK)		106	4-956-370-12	BAND, PLUG FIXED (UK)	
101	1-828-963-11	WIRE (FLAT TYPE) (11 CORE) (AEP,UK)		△ F902	1-532-464-33	FUSE (T2.5AL/250V) (E2)	
102	1-828-971-11	WIRE (FLAT TYPE) (13 CORE)		△ F903	1-532-464-33	FUSE (T2.5AL/250V) (E2)	
103	A-1158-394-A	HDMI SW BOARD, COMPLETE		TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA) (US,CND,E2)	
104	3-703-244-21	BUSHING (2104), CORD		TN1	1-693-735-11	TUNER (FM/AM) (ANTENNA)	(AUS,KR,MY,SP,TH,TW)
△ 105	1-696-848-81	CORD, POWER (AUS)					
△ 105	1-769-079-23	CORD, POWER (KR)		TN1	1-693-737-11	TUNER (FM/AM) (ANTENNA) (AEP,UK)	
△ 105	1-777-071-23	CORD, POWER (E2)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
△ 105	1-777-071-83	CORD, POWER (AEP,UK,MY,SP,TH)		#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
△ 105	1-783-820-11	CORD, POWER (US,CND)		#3	7-685-862-09	SCREW +BVTT 2.6X6 (S)	
△ 105	1-827-597-41	CORD, POWER (TW)					

6-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1221-595-A	MAIN BOARD, COMPLETE (US,CND)		Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
151	A-1221-608-A	MAIN BOARD, COMPLETE (AEP,UK,AUS,KR)		Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
151	A-1243-246-A	MAIN BOARD, COMPLETE (MY,SP,TH)		Q553	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
151	A-1243-247-A	MAIN BOARD, COMPLETE (TW)		Q554	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
151	A-1243-248-A	MAIN BOARD, COMPLETE (E2)		Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
152	3-905-609-01	SCREW (TRANSISTOR)		Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	A-1221-603-A	DIGITAL BOARD, COMPLETE (US,CND)		Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
153	A-1221-613-A	DIGITAL BOARD, COMPLETE (AEP,UK)		Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	A-1243-258-A	DIGITAL BOARD, COMPLETE (AUS,KR,MY,SP,TH,TW)		Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
153	A-1243-259-A	DIGITAL BOARD, COMPLETE (E2)		Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	4-249-675-01	+BV SUMITITE S 4X6 ROUND		△ T901	1-439-550-21	TRANSFORMER, POWER (MAIN) (AEP,UK,AUS,KR)	
154	4-977-358-01	CUSHION		△ T901	1-439-552-21	TRANSFORMER, POWER (MAIN) (TW)	
155	3-077-331-21	+BV 3 (3-CR)		△ T901	1-439-553-31	TRANSFORMER, POWER (MAIN) (E2)	
△ F901	1-532-464-33	FUSE (T2.5AL/250V) (AEP,UK,AUS,KR,MY,SP,TH)		△ T901	1-439-583-11	TRANSFORMER, POWER (MAIN) (US,CND)	
△ F901	1-532-505-33	FUSE (T5AL/250V) (E2,TW)		△ T901	1-445-019-11	TRANSFORMER, POWER (MAIN) (MY,SP,TH)	
△ F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V) (US,CND)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 7 ELECTRICAL PARTS LIST

AC SELECT

CENTER SPK

DCAC

DIGITAL

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H
- Abbreviation
CND : Canadian model
AUS : Australian model
E2 : 120 V AC area in E model
KR : Korea model
MY : Malaysia model
SP : Singapore model
TH : Thai model
TW : Taiwan model

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

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		AC SELECT BOARD (E2)				< DIODE >	

	1-533-217-41	HOLDER, FUSE		D2013	8-719-991-33	DIODE 1SS133T-77	
		< CONNECTOR >		D2014	8-719-991-33	DIODE 1SS133T-77	
						< IC >	
CN905	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P		IC2000	8-759-167-88	IC NJM4565D	
* CNP910	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P				< JACK >	
		< SWITCH >		J2000	1-820-056-11	JACK (SMALL TYPE) (AUTO CAL MIC)	
$\triangle$ S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)				< RESISTOR >	

		CENTER SPK BOARD		R2000	1-247-831-11	CARBON 1K 5% 1/4W	
		*****		R2001	1-249-429-11	CARBON 10K 5% 1/4W	
		< CONNECTOR >		R2003	1-249-429-11	CARBON 10K 5% 1/4W	
				R2005	1-247-903-00	CARBON 1M 5% 1/4W	
				R2006	1-247-831-11	CARBON 1K 5% 1/4W	
CNP721	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P		R2007	1-249-429-11	CARBON 10K 5% 1/4W	
		< TERMINAL BOARD >		R2008	1-247-897-11	CARBON 560K 5% 1/4W	
TM607	1-780-450-11	BANANA-PUSH TERMINAL BOARD (2P) (SPEAKERS CENTER) (EXCEPT US,CND)		R2010	1-249-429-11	CARBON 10K 5% 1/4W	
TM607	1-780-500-11	BANANA-PUSH TERMINAL BOARD (2P) (SPEAKERS CENTER) (US,CND)		R2015	1-249-435-11	CARBON 33K 5% 1/4W	
		*****		R2016	1-249-431-11	CARBON 15K 5% 1/4W	
		DCAC BOARD		R2017	1-249-421-11	CARBON 2.2K 5% 1/4W	
		*****		R2018	1-249-418-11	CARBON 1.2K 5% 1/4W	
		< CAPACITOR >		R2019	1-249-421-11	CARBON 2.2K 5% 1/4W	

C2001	1-162-282-31	CERAMIC 100PF 10% 50V		A-1221-603-A	DIGITAL BOARD, COMPLETE (US,CND)		
C2002	1-126-160-11	ELECT 1uF 20% 50V		A-1221-613-A	DIGITAL BOARD, COMPLETE (AEP,UK)		
C2003	1-127-882-31	CERAMIC 0.033uF 10% 50V		A-1243-258-A	DIGITAL BOARD, COMPLETE (AUS,KR,MY,SP,TH,TW)		
C2005	1-128-803-11	CERAMIC 33PF 5% 50V		A-1243-259-A	DIGITAL BOARD, COMPLETE (E2)		
C2006	1-126-160-11	ELECT 1uF 20% 50V			*****		
				7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		
						< CAPACITOR >	
C2008	1-128-806-11	CERAMIC 56PF 5% 50V		C1001	1-126-925-11	ELECT 470uF 20% 10V	
C2010	1-127-882-31	CERAMIC 0.033uF 10% 50V		C1002	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V	
C2011	1-127-880-11	CERAMIC 0.022uF 10% 50V		C1004	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	
C2012	1-127-880-11	CERAMIC 0.022uF 10% 50V		C1005	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	
C2013	1-126-160-11	ELECT 1uF 20% 50V		C1019	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	
C2014	1-124-465-00	ELECT 0.47uF 20% 50V		C1021	1-137-980-11	CERAMIC CHIP 0.47uF 10% 50V	
C2018	1-127-888-11	CERAMIC 0.1uF 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	
				C1067	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	

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DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C1068	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1409	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1100	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1411	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1413	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1103	1-126-947-11	ELECT	47uF	20%	35V	C1414	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1107	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1415	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1108	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1418	1-126-964-11	ELECT	10uF	20%	50V
C1118	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1422	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1119	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1423	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1120	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1428	1-126-964-11	ELECT	10uF	20%	50V
C1121	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1432	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1122	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1433	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1123	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1438	1-126-964-11	ELECT	10uF	20%	50V
C1124	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1441	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1442	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1131	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1448	1-126-964-11	ELECT	10uF	20%	50V
C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1450	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1137	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1451	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1138	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1453	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1454	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1140	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1455	1-126-964-11	ELECT	10uF	20%	50V
C1142	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1457	1-126-964-11	ELECT	10uF	20%	50V
C1144	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1458	1-126-964-11	ELECT	10uF	20%	50V
C1145	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1462	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1463	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1171	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1468	1-126-964-11	ELECT	10uF	20%	50V
C1172	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1473	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1253	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1474	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1481	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1483	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1299	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1301	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1491	1-126-964-11	ELECT	10uF	20%	50V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1494	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1303	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1304	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C1501	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1305	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1502	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1306	1-126-947-11	ELECT	47uF	20%	35V	C1503	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1308	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1504	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	C1505	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	C1506	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1312	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1507	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C1508	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1314	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1509	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1315	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1510	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1351	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1511	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1354	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1513	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1355	1-104-662-11	ELECT	22uF	20%	25V	C1514	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1358	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1515	1-126-925-11	ELECT	470uF	20%	10V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V	C1516	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1361	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1517	1-126-925-11	ELECT	470uF	20%	10V
C1362	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1518	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1401	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1519	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1402	1-126-947-11	ELECT	47uF	20%	35V	C1520	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1403	1-126-964-11	ELECT	10uF	20%	50V	C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1404	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1405	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1525	1-126-925-11	ELECT	470uF	20%	10V
C1406	1-126-964-11	ELECT	10uF	20%	50V	C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1407	1-126-964-11	ELECT	10uF	20%	50V	C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1408	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C1568	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V	IC1301	8-759-825-15	IC LC89056W-E	
C1569	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V	IC1303	8-759-096-87	IC TC7WU04FU(TE12R)	
C1604	1-100-566-11	CERAMIC CHIP 0.1uF 10%	25V	IC1351	6-600-466-01	IC TORX147L(SONY) (DIGITAL VIDEO 2/BD IN (OPTICAL))	
C1605	1-100-566-11	CERAMIC CHIP 0.1uF 10%	25V	IC1354	6-600-466-01	IC TORX147L(SONY) (DIGITAL SAT IN (OPTICAL))	
C1620	1-100-566-11	CERAMIC CHIP 0.1uF 10%	25V	IC1401	6-707-608-01	IC PCM1803DBR	
C1905	1-100-566-11	CERAMIC CHIP 0.1uF 10%	25V	IC1403	8-759-710-97	IC NJM4565M-D	
C1906	1-126-925-11	ELECT 470uF 20%	10V	IC1404	8-759-710-97	IC NJM4565M-D	
C1908	1-126-925-11	ELECT 470uF 20%	10V	IC1405	8-759-710-97	IC NJM4565M-D	
C1913	1-137-980-11	CERAMIC CHIP 0.47uF 10%	50V	IC1452	6-708-784-01	IC PCM1602APT	
C1914	1-126-947-11	ELECT 47uF 20%	35V	IC1502	6-709-278-01	IC IS61WV6416BLL-12TLI	
< CONNECTOR >				IC1503	8-759-546-74	IC TC7WH157FU(TE12R)	
CNP503	1-691-770-11	PLUG (MICRO CONNECTOR) 8P		IC1901	6-707-168-01	IC SI-3008KWFE	
* CNP505	1-564-510-11	PLUG, CONNECTOR 7P		IC1902	8-759-231-56	IC TA7809S	
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P		IC1904	6-705-468-01	IC BA33BC0FP-E2	
CNS502	1-573-825-11	CONNECTOR, BOARD TO BOARD 11P		IC1905	6-707-754-01	IC CXD9862R	
CNS504	1-784-731-11	CONNECTOR, FFC 9P		< JACK >			
CNS507	1-568-828-11	CONNECTOR, FFC 9P (EXCEPT AEP,UK)		J1301	1-793-446-21	JACK, PIN 1P (DIGITAL DVD IN (COAXIAL))	
CNS508	1-568-830-11	CONNECTOR, FFC 11P (AEP,UK)		< JUMPER RESISTOR >			
CNS509	1-784-774-11	CONNECTOR, FFC 13P		JR1002	1-211-950-11	SHORT CHIP 0	
CNS513	1-784-778-11	CONNECTOR, FFC 17P		JR1005	1-216-864-11	SHORT CHIP 0	
< DIODE >				JR1008	1-216-864-11	SHORT CHIP 0	
D1001	8-719-053-18	DIODE 1SR154-400TE-25		JR1020	1-216-864-11	SHORT CHIP 0	
D1003	8-719-049-09	DIODE 1SS367-T3SONY		JR1511	1-400-862-11	BEAD, FERRITE	
D1004	8-719-049-09	DIODE 1SS367-T3SONY		< RESISTOR >			
D1107	8-719-404-50	DIODE MA111-TX		R1010	1-216-809-11	METAL CHIP 100 5% 1/10W	
D1108	8-719-404-50	DIODE MA111-TX		R1011	1-216-809-11	METAL CHIP 100 5% 1/10W	
D1109	8-719-404-50	DIODE MA111-TX		R1012	1-216-809-11	METAL CHIP 100 5% 1/10W	
D1110	8-719-404-50	DIODE MA111-TX		R1013	1-216-809-11	METAL CHIP 100 5% 1/10W	
D1111	8-719-404-50	DIODE MA111-TX		R1014	1-216-809-11	METAL CHIP 100 5% 1/10W	
D1301	8-719-404-50	DIODE MA111-TX		R1015	1-216-809-11	METAL CHIP 100 5% 1/10W	
D1302	8-719-404-50	DIODE MA111-TX		R1035	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
D1501	8-719-049-09	DIODE 1SS367-T3SONY		R1039	1-216-833-11	METAL CHIP 10K 5% 1/10W	
D1502	8-719-049-09	DIODE 1SS367-T3SONY		R1041	1-216-809-11	METAL CHIP 100 5% 1/10W	
D1503	8-719-049-09	DIODE 1SS367-T3SONY		R1042	1-216-809-11	METAL CHIP 100 5% 1/10W	
< FERRITE BEAD >				R1049	1-216-833-11	METAL CHIP 10K 5% 1/10W	
FB1101	1-400-862-11	BEAD, FERRITE		R1058	1-216-813-11	METAL CHIP 220 5% 1/10W (AEP,UK)	
FB1302	1-400-862-11	BEAD, FERRITE		R1059	1-216-813-11	METAL CHIP 220 5% 1/10W (AEP,UK)	
FB1305	1-400-862-11	BEAD, FERRITE		R1061	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB1308	1-400-862-11	BEAD, FERRITE		R1062	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB1310	1-400-862-11	BEAD, FERRITE		R1065	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB1350	1-400-862-11	BEAD, FERRITE		R1066	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB1403	1-400-862-11	BEAD, FERRITE		R1067	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB1405	1-400-862-11	BEAD, FERRITE		R1068	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB1452	1-400-862-11	BEAD, FERRITE		R1072	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
FB1453	1-400-862-11	BEAD, FERRITE		R1073	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
FB1501	1-400-862-11	BEAD, FERRITE		R1076	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB1502	1-400-862-11	BEAD, FERRITE		R1077	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB1503	1-400-862-11	BEAD, FERRITE		R1078	1-216-809-11	METAL CHIP 100 5% 1/10W	
< IC >				R1083	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC1001	8-759-231-53	IC TA7805S		R1088	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC1031	6-705-469-01	IC BA50BC0FP-E2		R1094	1-216-833-11	METAL CHIP 10K 5% 1/10W (EXCEPT AEP,UK)	
IC1101	6-807-154-01	IC MB90F045PF-G-9033-SPE1					
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G					
IC1131	6-705-866-01	IC BR24L16FJ-WE2					

STR-DG510

Ver. 1.2

DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1095	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP,UK)	R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP,UK)
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AUS,KR,MY,SP,TH,TW)
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1194	1-216-833-11	METAL CHIP	10K	5%	1/10W (E2)
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W	R1194	1-216-864-11	SHORT CHIP	0 (US,CND)		
R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1253	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W	R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1120	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1305	1-216-819-11	METAL CHIP	680	5%	1/10W
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W	R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W	R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W	R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W	R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1125	1-216-809-11	METAL CHIP	100	5%	1/10W	R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1126	1-216-809-11	METAL CHIP	100	5%	1/10W	R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W	R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W	R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W	R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W	R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W	R1319	1-216-864-11	SHORT CHIP	0		
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W	R1321	1-216-864-11	SHORT CHIP	0		
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W	R1323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W	R1325	1-216-864-11	SHORT CHIP	0		
R1150	1-216-809-11	METAL CHIP	100	5%	1/10W	R1351	1-216-809-11	METAL CHIP	100	5%	1/10W
R1151	1-216-809-11	METAL CHIP	100	5%	1/10W	R1354	1-216-809-11	METAL CHIP	100	5%	1/10W
R1152	1-216-809-11	METAL CHIP	100	5%	1/10W	R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W	R1356	1-216-817-11	METAL CHIP	470	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W	R1357	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1156	1-216-864-11	SHORT CHIP	0			R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1157	1-216-864-11	SHORT CHIP	0			R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1401	1-216-809-11	METAL CHIP	100	5%	1/10W
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W	R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1161	1-216-809-11	METAL CHIP	100	5%	1/10W	R1409	1-216-864-11	SHORT CHIP	0		
R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1410	1-216-817-11	METAL CHIP	470	5%	1/10W
R1164	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1411	1-216-817-11	METAL CHIP	470	5%	1/10W
R1175	1-216-809-11	METAL CHIP	100	5%	1/10W	R1414	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1420	1-216-864-11	SHORT CHIP	0		
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1421	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1424	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1425	1-216-864-11	SHORT CHIP	0		
R1183	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1184	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1434	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1185	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1435	1-216-864-11	SHORT CHIP	0		
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1444	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1188	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1445	1-216-864-11	SHORT CHIP	0		
R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1454	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1455	1-216-864-11	SHORT CHIP	0		
R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1460	1-216-864-11	SHORT CHIP	0		
R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT US,CND)	R1461	1-216-864-11	SHORT CHIP	0		

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DISPLAY HDMI SW

Ref. No.	Part No.	Description	Remark		
R119	1-247-807-31	CARBON	100	5%	1/4W
R121	1-249-393-11	CARBON	10	5%	1/4W F
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)	
R199	1-249-385-11	CARBON	2.2	5%	1/4W F
				(EXCEPT US,CND)	
R199	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 (MOVIE)			
S106	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S107	1-771-410-21	SWITCH, TACTILE (2CH)			
S108	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)			
S109	1-771-410-21	SWITCH, TACTILE (TUNING MODE)			
S110	1-771-410-21	SWITCH, TACTILE (TUNING -)			
S111	1-771-410-21	SWITCH, TACTILE (TUNING +)			
S124	1-771-410-21	SWITCH, TACTILE (MUSIC)			

A-1158-394-A		HDMI SW BOARD, COMPLETE			

< CAPACITOR >					
C5001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5002	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5003	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5004	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5005	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5006	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5007	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5008	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5009	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5010	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5011	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5012	1-112-788-11	ELECT CHIP	330uF	20%	6.3V
C5013	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V
C5014	1-112-788-11	ELECT CHIP	330uF	20%	6.3V
C5015	1-128-994-21	ELECT CHIP	47uF	20%	10V
C5016	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5017	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C5018	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C5019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5021	1-117-681-11	ELECT CHIP	100uF	20%	16V
C5022	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5023	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5024	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V

Ref. No.	Part No.	Description	Remark		
C5027	1-128-994-21	ELECT CHIP	47uF	20%	10V
< CONNECTOR >					
CN5001	1-820-735-11	CONNECTOR, HDMI 19P (HDMI DVD IN)			
CN5002	1-820-735-11	CONNECTOR, HDMI 19P (HDMI VIDEO 2/BD IN)			
CN5003	1-820-735-11	CONNECTOR, HDMI 19P (HDMI OUT)			
* CN5004	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
< IC >					
IC5001	6-709-221-01	IC	TMDS341PFCR		
IC5002	6-705-337-01	IC	TK11150CSCL-G		
IC5003	6-705-468-01	IC	BA33BC0FP-E2		
IC5004	6-704-099-01	IC	TC7WZ08FK(TE85R)		
IC5005	6-707-207-01	IC	SN74LVC1G3157DCKR		
IC5006	6-706-740-01	IC	BA00BC0WFP-E2		
< FERRITE BEAD >					
L5013	1-400-862-11	BEAD, FERRITE			
< RESISTOR >					
R5001	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R5002	1-218-844-11	METAL CHIP	750	0.5%	1/10W
R5003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5004	1-216-864-11	SHORT CHIP	0		
R5005	1-216-864-11	SHORT CHIP	0		
R5006	1-216-864-11	SHORT CHIP	0		
R5007	1-216-864-11	SHORT CHIP	0		
R5008	1-216-864-11	SHORT CHIP	0		
R5009	1-216-864-11	SHORT CHIP	0		
R5010	1-216-864-11	SHORT CHIP	0		
R5011	1-216-864-11	SHORT CHIP	0		
R5014	1-216-864-11	SHORT CHIP	0		
R5015	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5016	1-216-864-11	SHORT CHIP	0		
R5017	1-216-864-11	SHORT CHIP	0		
R5018	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5019	1-216-864-11	SHORT CHIP	0		
R5020	1-216-864-11	SHORT CHIP	0		
R5022	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5024	1-216-864-11	SHORT CHIP	0		
R5025	1-216-864-11	SHORT CHIP	0		
R5026	1-216-809-11	METAL CHIP	100	5%	1/10W
R5027	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5028	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5029	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5030	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5042	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5043	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5047	1-216-864-11	SHORT CHIP	0		
R5048	1-216-864-11	SHORT CHIP	0		
R5049	1-216-864-11	SHORT CHIP	0		
R5050	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5051	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R5052	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5053	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5054	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5055	1-216-833-11	METAL CHIP	10K	5%	1/10W

HDMI SW

HEADPHONE

MAIN

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R5056	1-216-821-11	METAL CHIP	1K	5%	1/10W		C507	1-104-658-11	ELECT	100uF	20%	10V	
R5060	1-216-864-11	SHORT CHIP	0				C508	1-126-947-11	ELECT	47uF	20%	35V	
R5061	1-216-864-11	SHORT CHIP	0				C511	1-162-815-11	CERAMIC	47PF	5%	500V	
R5068	1-216-845-11	METAL CHIP	100K	5%	1/10W		C512	1-162-815-11	CERAMIC	47PF	5%	500V	
R5069	1-216-845-11	METAL CHIP	100K	5%	1/10W		C513	1-128-813-11	CERAMIC	220PF	5%	50V	

R5072	1-216-809-11	METAL CHIP	100	5%	1/10W		C514	1-127-876-11	CERAMIC	0.01uF	10%	50V	
R5073	1-216-864-11	SHORT CHIP	0				C515	1-126-964-11	ELECT	10uF	20%	50V	
R5074	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		C516	1-136-157-00	FILM	0.022uF	5%	50V	

HEADPHONE BOARD													

< CONNECTOR >													
* CNP790	1-564-507-11	PLUG, CONNECTOR 4P											
< JACK >													
J790	1-815-314-21	JACK (PHONES)											

A-1221-595-A	MAIN BOARD, COMPLETE (US,CND)												
A-1221-608-A	MAIN BOARD, COMPLETE (AEP,UK,AUS,KR)												
A-1243-246-A	MAIN BOARD, COMPLETE (MY,SP,TH)												
A-1243-247-A	MAIN BOARD, COMPLETE (TW)												
A-1243-248-A	MAIN BOARD, COMPLETE (E2)												

7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3												
< CAPACITOR >													
C400	1-127-888-11	CERAMIC	0.1uF	10%	50V		C566	1-136-157-00	FILM	0.022uF	5%	50V	
C402	1-126-964-11	ELECT	10uF	20%	50V		C600	1-128-579-11	ELECT	2.2uF	20%	100V	
C403	1-162-294-31	CERAMIC	0.001uF	10%	50V		C601	1-126-963-11	ELECT	4.7uF	20%	50V	
C404	1-162-294-31	CERAMIC	0.001uF	10%	50V		C602	1-128-809-11	CERAMIC	100PF	5%	50V	
C405	1-126-963-11	ELECT	4.7uF	20%	50V		C603	1-128-809-11	CERAMIC	100PF	5%	50V	
C421	1-126-963-11	ELECT	4.7uF	20%	50V		C604	1-101-810-00	CERAMIC	100PF	5%	500V	
C422	1-126-963-11	ELECT	4.7uF	20%	50V		C606	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
C423	1-126-963-11	ELECT	4.7uF	20%	50V		C607	1-104-658-11	ELECT	100uF	20%	10V	
C424	1-126-963-11	ELECT	4.7uF	20%	50V		C608	1-126-947-11	ELECT	47uF	20%	35V	
C425	1-126-963-11	ELECT	4.7uF	20%	50V		C611	1-162-815-11	CERAMIC	47PF	5%	500V	
C426	1-126-963-11	ELECT	4.7uF	20%	50V		C612	1-162-815-11	CERAMIC	47PF	5%	500V	
C431	1-126-964-11	ELECT	10uF	20%	50V		C613	1-128-813-11	CERAMIC	220PF	5%	50V	
C432	1-126-964-11	ELECT	10uF	20%	50V		C614	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C433	1-126-964-11	ELECT	10uF	20%	50V		C615	1-126-964-11	ELECT	10uF	20%	50V	
C434	1-126-964-11	ELECT	10uF	20%	50V		C616	1-136-157-00	FILM	0.022uF	5%	50V	
C435	1-126-964-11	ELECT	10uF	20%	50V		C651	1-126-963-11	ELECT	4.7uF	20%	50V	
C436	1-126-964-11	ELECT	10uF	20%	50V		C652	1-128-809-11	CERAMIC	100PF	5%	50V	
C446	1-126-963-11	ELECT	4.7uF	20%	50V		C653	1-128-809-11	CERAMIC	100PF	5%	50V	
C452	1-126-964-11	ELECT	10uF	20%	50V		C654	1-101-810-00	CERAMIC	100PF	5%	500V	
C455	1-126-963-11	ELECT	4.7uF	20%	50V		C656	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
C471	1-104-658-11	ELECT	100uF	20%	10V		C657	1-104-658-11	ELECT	100uF	20%	10V	
C472	1-127-888-11	CERAMIC	0.1uF	10%	50V		C658	1-126-947-11	ELECT	47uF	20%	35V	
C482	1-127-888-11	CERAMIC	0.1uF	10%	50V		C661	1-162-815-11	CERAMIC	47PF	5%	500V	
C484	1-127-888-11	CERAMIC	0.1uF	10%	50V		C662	1-162-815-11	CERAMIC	47PF	5%	500V	
C500	1-128-579-11	ELECT	2.2uF	20%	100V		C663	1-128-813-11	CERAMIC	220PF	5%	50V	
C501	1-126-963-11	ELECT	4.7uF	20%	50V		C664	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C502	1-128-809-11	CERAMIC	100PF	5%	50V		C665	1-126-964-11	ELECT	10uF	20%	50V	
C503	1-128-809-11	CERAMIC	100PF	5%	50V		C666	1-136-157-00	FILM	0.022uF	5%	50V	
C504	1-101-810-00	CERAMIC	100PF	5%	500V		C700	1-128-579-11	ELECT	2.2uF	20%	100V	
C506	1-107-583-11	CERAMIC	3PF	0.25PF	500V		C701	1-126-963-11	ELECT	4.7uF	20%	50V	
C507	1-104-658-11	ELECT	100uF	20%	10V		C702	1-128-809-11	CERAMIC	100PF	5%	50V	
C508	1-126-947-11	ELECT	47uF	20%	35V		C703	1-128-809-11	CERAMIC	100PF	5%	50V	
C511	1-162-815-11	CERAMIC	47PF	5%	500V		C704	1-101-810-00	CERAMIC	100PF	5%	500V	
C512	1-162-815-11	CERAMIC	47PF	5%	500V		C706	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
C513	1-128-813-11	CERAMIC	220PF	5%	50V		C707	1-104-658-11	ELECT	100uF	20%	10V	
C514	1-127-876-11	CERAMIC	0.01uF	10%	50V		C708	1-126-947-11	ELECT	47uF	20%	35V	
C515	1-126-964-11	ELECT	10uF	20%	50V		C711	1-162-815-11	CERAMIC	47PF	5%	500V	
C516	1-136-157-00	FILM	0.022uF	5%	50V		C712	1-162-815-11	CERAMIC	47PF	5%	500V	

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Ref. No.	Part No.	Description	Remark		
C713	1-128-813-11	CERAMIC	220PF	5%	50V
C714	1-127-876-11	CERAMIC	0.01uF	10%	50V
C715	1-126-964-11	ELECT	10uF	20%	50V
C716	1-136-157-00	FILM	0.022uF	5%	50V
C801	1-135-798-11	CERAMIC	0.22uF		50V
C802	1-135-798-11	CERAMIC	0.22uF		50V
C803	1-126-936-11	ELECT	3300uF	20%	16V
C806	1-126-947-11	ELECT	47uF	20%	35V
C807	1-126-947-11	ELECT	47uF	20%	35V
C808	1-126-947-11	ELECT	47uF	20%	35V
C811	1-135-851-21	MYLAR	0.22uF		100V
C812	1-135-851-21	MYLAR	0.22uF		100V
C813	1-165-960-11	ELECT(BLOCK)	6800uF	20%	71V
C814	1-165-960-11	ELECT(BLOCK)	6800uF	20%	71V
C815	1-128-582-11	ELECT	10uF	20%	100V
C816	1-128-582-11	ELECT	10uF	20%	100V
C821	1-137-194-81	FILM	0.47uF	5%	50V
C822	1-137-194-81	FILM	0.47uF	5%	50V
C823	1-126-947-11	ELECT	47uF	20%	35V
C824	1-126-947-11	ELECT	47uF	20%	35V
C851	1-127-888-11	CERAMIC	0.1uF	10%	50V
C881	1-126-923-11	ELECT	220uF	20%	10V
C882	1-126-964-11	ELECT	10uF	20%	50V
CC01	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US,CND)
CC02	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US,CND)
CC03	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US,CND)
CC04	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US,CND)
CC05	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US,CND)
CC11	1-127-876-11	CERAMIC	0.01uF	10%	50V (EXCEPT US,CND)
CC12	1-127-876-11	CERAMIC	0.01uF	10%	50V (EXCEPT US,CND)
CC13	1-127-876-11	CERAMIC	0.01uF	10%	50V (EXCEPT US,CND)
CC14	1-127-876-11	CERAMIC	0.01uF	10%	50V (EXCEPT US,CND)
CC15	1-127-876-11	CERAMIC	0.01uF	10%	50V (EXCEPT US,CND)
CC51	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US,CND)
CC52	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US,CND)
CC53	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US,CND)
CC54	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US,CND)
CC55	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US,CND)
< CONNECTOR >					
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P			
CNP502	1-573-843-11	CONNECTOR, BOARD TO BOARD 11P			
* CNP503	1-564-510-11	PLUG, CONNECTOR 7P			
* CNP732	1-564-506-11	PLUG, CONNECTOR 3P			
* CNP901	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P			

Ref. No.	Part No.	Description	Remark		
CNP902	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
* CNP908	1-564-506-11	PLUG, CONNECTOR 3P			
* CNP916	1-691-406-11	CONNECTOR, BOARD TO BOARD 7P			
< DIODE >					
D501	8-719-991-33	DIODE	1SS133T-77		
D502	8-719-991-33	DIODE	1SS133T-77		
D503	8-719-991-33	DIODE	1SS133T-77		
D551	8-719-991-33	DIODE	1SS133T-77		
D552	8-719-991-33	DIODE	1SS133T-77		
D553	8-719-991-33	DIODE	1SS133T-77		
D601	8-719-991-33	DIODE	1SS133T-77		
D602	8-719-991-33	DIODE	1SS133T-77		
D603	8-719-991-33	DIODE	1SS133T-77		
D651	8-719-991-33	DIODE	1SS133T-77		
D652	8-719-991-33	DIODE	1SS133T-77		
D701	8-719-991-33	DIODE	1SS133T-77		
D702	8-719-991-33	DIODE	1SS133T-77		
D703	8-719-991-33	DIODE	1SS133T-77		
D752	8-719-991-33	DIODE	1SS133T-77		
D791	8-719-991-33	DIODE	1SS133T-77		
D801	8-719-986-50	DIODE	HZS22-1LTA		
D802	8-719-068-24	DIODE	HZ5.6BP-TK		
D804	6-500-522-11	DIODE	10EDB40-TA2B5		
D805	6-500-522-11	DIODE	10EDB40-TA2B5		
D806	6-500-522-11	DIODE	10EDB40-TA2B5		
D807	6-500-522-11	DIODE	10EDB40-TA2B5		
D811	8-719-081-52	DIODE	D5SBA20-4003		
D821	8-719-043-76	DIODE	AK04V0		
D851	8-719-991-33	DIODE	1SS133T-77		
D852	8-719-934-21	DIODE	HZS30-1L		
D881	8-719-991-33	DIODE	1SS133T-77		
D882	8-719-991-33	DIODE	1SS133T-77		
D883	8-719-991-33	DIODE	1SS133T-77		
D884	8-719-991-33	DIODE	1SS133T-77		
< IC >					
IC400	6-707-169-01	IC	M61542FP		
IC501	6-710-828-01	IC	STK350-530T-E		
IC601	6-710-828-01	IC	STK350-530T-E		
IC701	6-710-828-01	IC	STK350-530T-E		
IC821	8-759-071-48	IC	TA7807S		
IC822	8-759-071-47	IC	TA79007S		
IC850	8-759-167-88	IC	NJM4565D		
< JACK >					
J400	1-774-411-11	JACK, PIN 6P (SA-CD/CD AUDIO IN,			
		TV AUDIO IN,SAT AUDIO IN)			
J401	1-794-981-11	JACK, PIN 4P (VIDEO 1 AUDIO OUT/AUDIO IN)			
J403	1-770-377-21	JACK, PIN 1P (SUB WOOFER AUDIO OUT)			
< RESISTOR >					
JW753	1-247-873-11	CARBON	56K	5%	1/4W
< 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			

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
L651	1-420-872-52	COIL, AIR-CORE					R472	1-247-831-11	CARBON	1K	5%	1/4W	
L701	1-420-872-52	COIL, AIR-CORE					R473	1-249-421-11	CARBON	2.2K	5%	1/4W	
						R479	1-249-421-11	CARBON	2.2K	5%	1/4W		
< TRANSISTOR >						R500	1-247-871-11	CARBON	47K	5%	1/4W		
						R501	1-247-831-11	CARBON	1K	5%	1/4W		
Q471	8-729-922-37	TRANSISTOR	2SD2144S-UVW				R502	1-249-439-11	CARBON	68K	5%	1/4W	
Q501	8-729-119-76	TRANSISTOR	2SA1175-HFE				R503	1-249-421-11	CARBON	2.2K	5%	1/4W	
Q502	8-729-141-30	TRANSISTOR	2SC3623A-LK				R504	1-249-439-11	CARBON	68K	5%	1/4W	
Q505	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R505	1-249-421-11	CARBON	2.2K	5%	1/4W	
Q506	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R506	1-249-440-11	CARBON	82K	5%	1/4W	
Q507	8-729-281-53	TRANSISTOR	2SC1815-GR				R507	1-249-414-11	CARBON	560	5%	1/4W	
Q508	8-729-119-78	TRANSISTOR	2SC2785-HFE				R508	1-249-405-11	CARBON	100	5%	1/4W F	
Q509	8-729-119-78	TRANSISTOR	2SC2785-HFE				R509	1-249-405-11	CARBON	100	5%	1/4W F	
Q551	8-729-119-76	TRANSISTOR	2SA1175-HFE				R510	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W				
Q552	8-729-141-30	TRANSISTOR	2SC3623A-LK				R511	1-247-847-11	CARBON	4.7K	5%	1/4W	
Q555	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R512	1-240-855-81	CARBON	6.2K	5%	1/4W F	
Q556	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R513	1-249-419-11	CARBON	1.5K	5%	1/4W	
Q557	8-729-281-53	TRANSISTOR	2SC1815-GR				R514	1-249-431-11	CARBON	15K	5%	1/4W	
Q560	8-729-119-78	TRANSISTOR	2SC2785-HFE				R515	1-247-863-11	CARBON	22K	5%	1/4W	
Q601	8-729-119-76	TRANSISTOR	2SA1175-HFE				R516	1-247-843-11	CARBON	3.3K	5%	1/4W	
Q602	8-729-141-30	TRANSISTOR	2SC3623A-LK				R517	1-249-431-11	CARBON	15K	5%	1/4W	
Q605	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R518	1-247-863-11	CARBON	22K	5%	1/4W	
Q606	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R519	1-247-863-11	CARBON	22K	5%	1/4W	
Q607	8-729-281-53	TRANSISTOR	2SC1815-GR				R520	1-249-439-11	CARBON	68K	5%	1/4W	
Q608	8-729-119-78	TRANSISTOR	2SC2785-HFE				R521	1-249-393-11	CARBON	10	5%	1/4W F	
Q651	8-729-119-76	TRANSISTOR	2SA1175-HFE				R522	1-247-871-11	CARBON	47K	5%	1/4W	
Q652	8-729-141-30	TRANSISTOR	2SC3623A-LK				R523	1-249-389-11	CARBON	4.7	5%	1/4W F	
Q655	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R524	1-249-404-00	CARBON	82	5%	1/4W F	
Q656	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R525	1-249-421-11	CARBON	2.2K	5%	1/4W	
Q657	8-729-281-53	TRANSISTOR	2SC1815-GR				△ R531	1-215-868-00	METAL OXIDE	680	5%	1W F	
Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE				△ R532	1-215-868-00	METAL OXIDE	680	5%	1W F	
Q702	8-729-141-30	TRANSISTOR	2SC3623A-LK				R551	1-247-831-11	CARBON	1K	5%	1/4W	
Q705	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R552	1-249-439-11	CARBON	68K	5%	1/4W	
Q706	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R553	1-249-421-11	CARBON	2.2K	5%	1/4W	
Q707	8-729-281-53	TRANSISTOR	2SC1815-GR				R554	1-249-439-11	CARBON	68K	5%	1/4W	
Q708	8-729-119-78	TRANSISTOR	2SC2785-HFE				R555	1-249-421-11	CARBON	2.2K	5%	1/4W	
Q801	8-729-140-97	TRANSISTOR	2SB734-34				R556	1-249-440-11	CARBON	82K	5%	1/4W	
Q851	8-729-281-53	TRANSISTOR	2SC1815-GR				R557	1-249-414-11	CARBON	560	5%	1/4W	
Q852	8-729-029-40	TRANSISTOR	DTA124ESA				R558	1-249-405-11	CARBON	100	5%	1/4W F	
Q881	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP				R559	1-249-405-11	CARBON	100	5%	1/4W F	
Q882	8-729-119-78	TRANSISTOR	2SC2785-HFE				R560	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W				
Q883	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA				R561	1-247-847-11	CARBON	4.7K	5%	1/4W	
< RESISTOR >						R562	1-240-855-81	CARBON	6.2K	5%	1/4W F		
R401	1-247-831-11	CARBON	1K	5%	1/4W	R563	1-249-419-11	CARBON	1.5K	5%	1/4W		
R402	1-247-831-11	CARBON	1K	5%	1/4W	R564	1-249-431-11	CARBON	15K	5%	1/4W		
R403	1-247-831-11	CARBON	1K	5%	1/4W	R565	1-247-863-11	CARBON	22K	5%	1/4W		
R404	1-247-831-11	CARBON	1K	5%	1/4W	R566	1-247-843-11	CARBON	3.3K	5%	1/4W		
R405	1-247-831-11	CARBON	1K	5%	1/4W	R567	1-249-431-11	CARBON	15K	5%	1/4W		
R406	1-247-807-31	CARBON	100	5%	1/4W	R568	1-247-863-11	CARBON	22K	5%	1/4W		
R407	1-247-807-31	CARBON	100	5%	1/4W	R569	1-247-863-11	CARBON	22K	5%	1/4W		
R416	1-247-831-11	CARBON	1K	5%	1/4W	R570	1-249-439-11	CARBON	68K	5%	1/4W		
R451	1-247-831-11	CARBON	1K	5%	1/4W	R571	1-249-393-11	CARBON	10	5%	1/4W F		
R452	1-247-831-11	CARBON	1K	5%	1/4W	R572	1-247-871-11	CARBON	47K	5%	1/4W		
R453	1-247-831-11	CARBON	1K	5%	1/4W	R573	1-249-389-11	CARBON	4.7	5%	1/4W F		
R454	1-247-831-11	CARBON	1K	5%	1/4W	R574	1-249-404-00	CARBON	82	5%	1/4W F		
R455	1-247-831-11	CARBON	1K	5%	1/4W	R600	1-247-871-11	CARBON	47K	5%	1/4W		
R469	1-247-831-11	CARBON	1K	5%	1/4W	R601	1-247-831-11	CARBON	1K	5%	1/4W		
R471	1-249-415-11	CARBON	680	5%	1/4W	R602	1-249-439-11	CARBON	68K	5%	1/4W		

STR-DG510

Ver. 1.1

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R603	1-249-421-11	CARBON	2.2K	5%	1/4W	R712	1-240-855-81	CARBON	6.2K	5%	1/4W F
R604	1-249-439-11	CARBON	68K	5%	1/4W	R713	1-249-419-11	CARBON	1.5K	5%	1/4W
R605	1-249-421-11	CARBON	2.2K	5%	1/4W	R714	1-249-431-11	CARBON	15K	5%	1/4W
R606	1-249-440-11	CARBON	82K	5%	1/4W	R715	1-247-863-11	CARBON	22K	5%	1/4W
R607	1-249-414-11	CARBON	560	5%	1/4W	R716	1-247-843-11	CARBON	3.3K	5%	1/4W
R608	1-249-405-11	CARBON	100	5%	1/4W F	R717	1-249-431-11	CARBON	15K	5%	1/4W
R609	1-249-405-11	CARBON	100	5%	1/4W F	R718	1-247-863-11	CARBON	22K	5%	1/4W
R610	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W		R719	1-247-863-11	CARBON	22K	5%	1/4W
R611	1-247-847-11	CARBON	4.7K	5%	1/4W	R720	1-249-439-11	CARBON	68K	5%	1/4W
R612	1-240-855-81	CARBON	6.2K	5%	1/4W F	R721	1-249-393-11	CARBON	10	5%	1/4W F
R613	1-249-419-11	CARBON	1.5K	5%	1/4W	R722	1-247-871-11	CARBON	47K	5%	1/4W
R614	1-249-431-11	CARBON	15K	5%	1/4W	R723	1-249-389-11	CARBON	4.7	5%	1/4W F
R615	1-247-863-11	CARBON	22K	5%	1/4W	R724	1-249-404-00	CARBON	82	5%	1/4W F
R616	1-247-843-11	CARBON	3.3K	5%	1/4W	R725	1-247-807-31	CARBON	100	5%	1/4W
R617	1-249-431-11	CARBON	15K	5%	1/4W	R752	1-247-873-11	CARBON	56K	5%	1/4W
R618	1-247-863-11	CARBON	22K	5%	1/4W	R773	1-249-389-11	CARBON	4.7	5%	1/4W F
R619	1-247-863-11	CARBON	22K	5%	1/4W	R780	1-247-847-11	CARBON	4.7K	5%	1/4W
R620	1-249-439-11	CARBON	68K	5%	1/4W	R782	1-247-879-11	CARBON	100K	5%	1/4W
R621	1-249-393-11	CARBON	10	5%	1/4W F	R783	1-247-879-11	CARBON	100K	5%	1/4W
R622	1-247-871-11	CARBON	47K	5%	1/4W	R791	1-249-421-11	CARBON	2.2K	5%	1/4W
R623	1-249-389-11	CARBON	4.7	5%	1/4W F	R793	1-249-404-00	CARBON	82	5%	1/4W F
R624	1-249-404-00	CARBON	82	5%	1/4W F	R802	1-249-409-11	CARBON	220	5%	1/4W F
R625	1-249-421-11	CARBON	2.2K	5%	1/4W	R803	1-249-389-11	CARBON	4.7	5%	1/4W F
R651	1-247-831-11	CARBON	1K	5%	1/4W	R804	1-249-429-11	CARBON	10K	5%	1/4W
R652	1-249-439-11	CARBON	68K	5%	1/4W	R806	1-247-863-11	CARBON	22K	5%	1/4W
R653	1-249-421-11	CARBON	2.2K	5%	1/4W	R815	1-249-381-11	CARBON	1	5%	1/4W F
R654	1-249-439-11	CARBON	68K	5%	1/4W	R816	1-249-381-11	CARBON	1	5%	1/4W F
R655	1-249-421-11	CARBON	2.2K	5%	1/4W	R851	1-249-429-11	CARBON	10K	5%	1/4W
R656	1-249-440-11	CARBON	82K	5%	1/4W	R852	1-249-429-11	CARBON	10K	5%	1/4W
R657	1-249-414-11	CARBON	560	5%	1/4W	R853	1-249-429-11	CARBON	10K	5%	1/4W
R658	1-249-405-11	CARBON	100	5%	1/4W F	R854	1-249-435-11	CARBON	33K	5%	1/4W
R659	1-249-405-11	CARBON	100	5%	1/4W F	R855	1-247-887-00	CARBON	220K	5%	1/4W
R660	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W		R856	1-247-895-00	CARBON	470K	5%	1/4W
R661	1-247-847-11	CARBON	4.7K	5%	1/4W	R857	1-249-429-11	CARBON	10K	5%	1/4W
R662	1-240-855-81	CARBON	6.2K	5%	1/4W F	△ R858	1-215-888-00	METAL OXIDE	220	5%	2W F (US,CND)
R663	1-249-419-11	CARBON	1.5K	5%	1/4W	△ R858	1-215-890-11	METAL OXIDE	470	5%	2W F (EXCEPT US,CND)
R664	1-249-431-11	CARBON	15K	5%	1/4W	△ R859	1-215-888-00	METAL OXIDE	220	5%	2W F (US,CND)
R665	1-247-863-11	CARBON	22K	5%	1/4W	△ R859	1-216-453-00	METAL OXIDE	270	5%	2W F (EXCEPT US,CND)
R666	1-247-843-11	CARBON	3.3K	5%	1/4W	R881	1-247-879-11	CARBON	100K	5%	1/4W
R667	1-249-431-11	CARBON	15K	5%	1/4W	R882	1-249-429-11	CARBON	10K	5%	1/4W
R668	1-247-863-11	CARBON	22K	5%	1/4W	R883	1-249-427-11	CARBON	6.8K	5%	1/4W
R669	1-247-863-11	CARBON	22K	5%	1/4W	R884	1-249-436-11	CARBON	39K	5%	1/4W
R670	1-249-439-11	CARBON	68K	5%	1/4W	R885	1-247-831-11	CARBON	1K	5%	1/4W
R671	1-249-393-11	CARBON	10	5%	1/4W F	△ R910	1-243-635-11	FUSIBLE	0.33	5%	1/2W F
R672	1-247-871-11	CARBON	47K	5%	1/4W	RR11	1-249-393-11	CARBON	10	5%	1/4W F (EXCEPT US,CND)
R673	1-249-389-11	CARBON	4.7	5%	1/4W F	RR12	1-249-393-11	CARBON	10	5%	1/4W F (EXCEPT US,CND)
R700	1-247-871-11	CARBON	47K	5%	1/4W	RR13	1-249-393-11	CARBON	10	5%	1/4W F (EXCEPT US,CND)
R701	1-247-831-11	CARBON	1K	5%	1/4W	RR14	1-249-393-11	CARBON	10	5%	1/4W F (EXCEPT US,CND)
R702	1-249-439-11	CARBON	68K	5%	1/4W	RR15	1-249-393-11	CARBON	10	5%	1/4W F (EXCEPT US,CND)
R703	1-249-421-11	CARBON	2.2K	5%	1/4W						
R704	1-249-439-11	CARBON	68K	5%	1/4W						
R705	1-249-421-11	CARBON	2.2K	5%	1/4W						
R706	1-249-440-11	CARBON	82K	5%	1/4W						
R707	1-249-414-11	CARBON	560	5%	1/4W						
R708	1-249-405-11	CARBON	100	5%	1/4W F						
R709	1-249-405-11	CARBON	100	5%	1/4W F						
R710	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W							
R711	1-247-847-11	CARBON	4.7K	5%	1/4W						

MAIN

POWER

STANDBY

VIDEO

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< RELAY >					
RY501	1-755-421-11	RELAY		D913	6-500-522-11	DIODE 10EDB40-TA2B5	
RY502	1-755-421-11	RELAY		D914	8-719-991-33	DIODE 1SS133T-77	
RY551	1-755-421-11	RELAY		D915	8-719-991-33	DIODE 1SS133T-77	
RY601	1-755-421-11	RELAY		D920	6-500-522-11	DIODE 10EDB40-TA2B5	
RY701	1-755-421-11	RELAY		D921	6-500-522-11	DIODE 10EDB40-TA2B5	
RY702	1-755-267-11	RELAY		D922	6-500-522-11	DIODE 10EDB40-TA2B5	
		< TERMINAL BOARD >		D923	6-500-522-11	DIODE 10EDB40-TA2B5	
TM601	1-694-785-11	TERMINAL BOARD (4P) (SPEAKERS FRONT B)				< GROUND TERMINAL >	
TM603	1-780-449-11	BANANA-PUSH TERMINAL BOARD (8P) (SPEAKERS SURROUND,FRONT A)		G901	1-537-738-21	TERMINAL, GROUND	
		(EXCEPT US,CND)				< TRANSISTOR >	
TM603	1-780-498-11	BANANA-PUSH TERMINAL BOARD (8P) (SPEAKERS SURROUND,FRONT A) (US,CND)		Q901	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		*****		Q911	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		POWER BOARD				< RESISTOR >	
		*****		△ R810	1-243-634-91	FUSIBLE 0.22 5% 1/2W F	
		< CONNECTOR >		△ R812	1-243-634-91	FUSIBLE 0.22 5% 1/2W F	
* CNP152	1-564-506-11	PLUG, CONNECTOR 3P		△ R900	1-219-237-91	SOLID 3.3M 20% 1/2W F (US,CND)	
		< RESISTOR >		R903	1-247-871-11	CARBON 47K 5% 1/4W	
R130	1-249-415-11	CARBON 680 5% 1/4W		R904	1-247-847-11	CARBON 4.7K 5% 1/4W	
		< SWITCH >		R905	1-249-381-11	CARBON 1 5% 1/4W F	
S120	1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B))		R911	1-247-871-11	CARBON 47K 5% 1/4W	
S153	1-771-410-21	SWITCH, TACTILE (I/⏻)		R912	1-249-435-11	CARBON 33K 5% 1/4W	
		*****		R913	1-249-429-11	CARBON 10K 5% 1/4W	
		STANDBY BOARD				< RELAY >	
		*****		△ RY901	1-755-439-11	RELAY	
1-533-217-41		HOLDER, FUSE				< TRANSFORMER >	
		< CAPACITOR >		△ T902	1-443-516-11	TRANSFORMER, POWER (SUB) (US,CND)	
C900	1-127-888-11	CERAMIC 0.1uF 10% 50V		△ T902	1-443-517-11	TRANSFORMER, POWER (SUB) (AEP,UK,AUS,KR,MY,SP,TH)	
C901	1-135-798-11	CERAMIC 0.22uF 50V		△ T902	1-443-519-11	TRANSFORMER, POWER (SUB) (TW)	
C902	1-135-798-11	CERAMIC 0.22uF 50V		△ T902	1-443-520-11	TRANSFORMER, POWER (SUB) (E2)	
C911	1-135-798-11	CERAMIC 0.22uF 50V				*****	
C912	1-135-798-11	CERAMIC 0.22uF 50V				VIDEO BOARD	

C913	1-126-959-11	ELECT 0.47uF 20% 50V				< CAPACITOR >	
C914	1-126-936-11	ELECT 3300uF 20% 16V		C200	1-128-805-11	CERAMIC 47PF 5% 50V	
C915	1-126-943-11	ELECT 2200uF 20% 25V		C201	1-128-805-11	CERAMIC 47PF 5% 50V	
C916	1-126-942-61	ELECT 1000uF 20% 25V		C206	1-126-964-11	ELECT 10uF 20% 50V	
		< CONNECTOR >		C207	1-126-964-11	ELECT 10uF 20% 50V	
* CNP801	1-564-510-11	PLUG, CONNECTOR 7P		C208	1-126-964-11	ELECT 10uF 20% 50V	
CNP900	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P		C210	1-126-964-11	ELECT 10uF 20% 50V	
* CNP903	1-564-506-11	PLUG, CONNECTOR 3P		C213	1-126-934-11	ELECT 220uF 20% 16V	
* CNP904	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P		C214	1-164-159-11	CERAMIC 0.1uF 50V	
* CNP906	1-691-408-11	CONNECTOR, BOARD TO BOARD 7P		C215	1-164-159-11	CERAMIC 0.1uF 50V	
		< DIODE >		C248	1-128-825-11	CERAMIC 0.0022uF 5% 50V	
D901	8-719-991-33	DIODE 1SS133T-77		C250	1-128-825-11	CERAMIC 0.0022uF 5% 50V	
D910	6-500-522-11	DIODE 10EDB40-TA2B5		C251	1-126-964-11	ELECT 10uF 20% 50V	
D911	6-500-522-11	DIODE 10EDB40-TA2B5		C252	1-126-964-11	ELECT 10uF 20% 50V	
D912	6-500-522-11	DIODE 10EDB40-TA2B5		C253	1-126-964-11	ELECT 10uF 20% 50V	
				C254	1-126-964-11	ELECT 10uF 20% 50V	
				C255	1-126-964-11	ELECT 10uF 20% 50V	
				C256	1-126-964-11	ELECT 10uF 20% 50V	

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VIDEO

Ref. No.	Part No.	Description	Remark		
C257	1-127-888-11	CERAMIC	0.1uF	10%	50V
C258	1-126-947-11	ELECT	47uF	20%	35V
C259	1-127-888-11	CERAMIC	0.1uF	10%	50V
C260	1-126-947-11	ELECT	47uF	20%	35V
C809	1-126-934-11	ELECT	220uF	20%	16V
C825	1-164-159-11	CERAMIC	0.1uF		50V
C826	1-164-159-11	CERAMIC	0.1uF		50V
< CONNECTOR >					
* CNP156	1-564-506-11	PLUG, CONNECTOR 3P			
CNS251	1-784-774-11	CONNECTOR, FFC 13P			
< IC >					
IC203	8-759-333-84	IC NJM2279D			
IC251	6-707-363-01	IC NJM2586AL			
IC804	8-759-245-79	IC TA79005S			
IC807	8-759-231-53	IC TA7805S			
< JACK >					
J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)			
J203	1-794-978-11	JACK, PIN 3P (SAT VIDEO IN,DVD VIDEO IN, VIDEO 1 VIDEO OUT)			
J251	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO SAT IN,DVD IN,MONITOR OUT)			
< RESISTOR >					
R200	1-247-804-11	CARBON	75	5%	1/4W
R201	1-247-804-11	CARBON	75	5%	1/4W
R218	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
R250	1-247-804-11	CARBON	75	5%	1/4W
R251	1-247-804-11	CARBON	75	5%	1/4W
R252	1-247-804-11	CARBON	75	5%	1/4W
R253	1-247-831-11	CARBON	1K	5%	1/4W
R254	1-247-831-11	CARBON	1K	5%	1/4W
R255	1-247-831-11	CARBON	1K	5%	1/4W
R256	1-247-804-11	CARBON	75	5%	1/4W
R257	1-247-804-11	CARBON	75	5%	1/4W
R258	1-247-804-11	CARBON	75	5%	1/4W
R259	1-247-804-11	CARBON	75	5%	1/4W
R260	1-247-804-11	CARBON	75	5%	1/4W
R261	1-247-804-11	CARBON	75	5%	1/4W

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS *****	
57	1-828-994-11	WIRE (FLAT TYPE) (17 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	1-828-971-11	WIRE (FLAT TYPE) (13 CORE)	
△ 105	1-696-848-81	CORD, POWER (AUS)	
△ 105	1-769-079-23	CORD, POWER (KR)	
△ 105	1-777-071-23	CORD, POWER (E2)	
△ 105	1-777-071-83	CORD, POWER (AEP,UK,MY,SP,TH)	
△ 105	1-783-820-11	CORD, POWER (US,CND)	
△ 105	1-827-597-41	CORD, POWER (TW)	
△ F901	1-532-464-33	FUSE (T2.5AL/250V) (AEP,UK,AUS,KR,MY,SP,TH)	
△ F901	1-532-505-33	FUSE (T5AL/250V) (E2,TW)	
△ F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V) (US,CND)	
△ F902	1-532-464-33	FUSE (T2.5AL/250V) (E2)	
△ F903	1-532-464-33	FUSE (T2.5AL/250V) (E2)	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q553	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q554	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	
△ T901	1-439-550-21	TRANSFORMER, POWER (MAIN) (AEP,UK,AUS,KR)	
△ T901	1-439-552-21	TRANSFORMER, POWER (MAIN) (TW)	
△ T901	1-439-553-31	TRANSFORMER, POWER (MAIN) (E2)	
△ 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,CND,E2)	
TN1	1-693-735-11	TUNER (FM/AM) (ANTENNA) (AUS,KR,MY,SP,TH,TW)	
TN1	1-693-737-11	TUNER (FM/AM) (ANTENNA) (AEP,UK)	

Ref. No.	Part No.	Description	Remark
		ACCESSORIES *****	
	1-480-097-11	STANDARD COMMANDER (RM-AAU013) (including BATTERY LID)	
	1-501-374-12	ANTENNA, LOOP (AM)	
	1-501-807-12	ANTENNA (FM) (EXCEPT US,CND,E2)	
△	1-542-710-11	MEASUREMENT MIC (MONO) (ECM-AC2)	
	1-569-008-22	ADAPTOR, CONVERSION 2P (E2)	
△	1-770-019-61	ADAPTOR, CONVERSION PLUG (UK)	
	1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM) (US,CND,E2)	
	2-898-429-11	MANUAL, INSTRUCTION (ENGLISH) (EXCEPT KR)	
	2-898-429-21	MANUAL, INSTRUCTION (FRENCH) (CND,AEP,E2,MY,SP,TH)	
	2-898-429-31	MANUAL, INSTRUCTION (SPANISH) (AEP,E2,MY,SP,TH)	
	2-898-429-41	MANUAL, INSTRUCTION (GERMAN,DUTCH, SWEDISH) (AEP)	
	2-898-429-51	MANUAL, INSTRUCTION (ITALIAN,POLISH) (AEP)	
	2-898-429-61	MANUAL, INSTRUCTION (DANISH,FINNISH) (AEP)	
	2-898-429-71	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)	
	2-898-429-81	MANUAL, INSTRUCTION (RUSSIAN) (AEP)	
	3-097-046-11	MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (MY,SP,TH,TW)	
	3-097-046-21	MANUAL, INSTRUCTION (KOREAN) (KR)	
	3-097-046-41	MANUAL, INSTRUCTION (GREEK) (AEP)	
	3-097-046-51	MANUAL, INSTRUCTION (TURKISH) (AEP)	
	3-097-046-61	MANUAL, INSTRUCTION (HUNGARIAN,CZECH) (AEP)	
	3-097-046-71	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)	

REVISION HISTORY

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