STR-KG700

SERVICE MANUAL

Ver. 1.4 2010.08

US Model
Canadian Model
AEP Model
E Model
Australian Model

• STR-KG700 is the tuner and the amplifier section in HT-DDWG700

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

(Models of area code US only)

With 6 ohm loads, both channels driven, from 120 - 20,000 Hz; rated 85 watts per channel minimum RMS power, with no more than 1% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Models of area code AEP, AUS, E51, AR2

Power Output

Stereo mode (rated) (6ohms 1kHz, THD 1%)
85 W + 85 W[1)]
80 W + 80 W[2)]

Surround mode[3)] (reference)
(6 ohms 1 kHz, THD 10%)

	RMS output
FRONT:	133 W per channel[1)]
	125 W per channel[2)]
CENTER:	133 W[1)]
	125 W[2)]
SURROUND:	133 W per channel[1)]
	125 W per channel[2)]

Surround mode[3)] (reference)
(6 ohms 100 Hz, THD 10%)
SUB WOOFER: 135 W[1)]
125 W[2)]

[1)]Measured under the following conditions:

Area Code	Power requirements
US, Canadian	120 V AC, 60 Hz
E51	240 V AC, 50 Hz
AEP, AUS, AR	230 V AC, 50 Hz

[2)]Measured under the following conditions:

Area Code	Power requirements
AR	220 V AC, 50 Hz

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

Inputs
Analog: Sensitivity: 800mV/ 50 kohms
Digital (Coaxial): Impedance: 75 ohms
Tone
Gain levels: ±6 dB, 1 dB step
Reproduction frequency range:
28-20,000 Hz

FM tuner section

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

AM tuner section

Tuning range

Area code	Tuning scale	
	10 kHz step	9 kHz step
US, Canadian	530 – 1,710 kHz[4)]	531 – 1,710 kHz[4)]
AEP, AUS	–	531 – 1,602 kHz
E51	530 – 1,610 kHz	531 – 1,602 kHz
AR	530 – 1,610 kHz	–

Antenna: Loop antenna
Intermediate frequency
450 kHz

- Continued on next page -

FM STEREO/FM-AM RECEIVER

9-890-501-05
2010H08-1
© 2010.08

Sony Corporation
Audio & Video Business Group
Published by Sony EMCS (Malaysia) PG Tec

SONY®

[4] 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 MOVIE , 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.

General

Power requirements

Area code	Tuning scale
US, Canadian	120 V AC, 60 Hz
AEP	230 V AC, 50/60 Hz
AUS	230 V AC, 50 Hz
E51	120/220/240V AC, 50/60 Hz
AR	220 – 230 V AC, 50/60 Hz

Power output (DIGITAL MEDIA PORT)
DC OUT: 5 V, 0.7 A MAX

Power consumption

Area code	Tuning scale
US	220W
Canadian	290VA
AEP, AUS	220W
E51, AR	220 W

Power consumption (during standby mode)
0.3 W
Dimensions (width/height/depth) (Approx.)
17 × 5 3/4 × 12 1/8 inches
430 × 145 × 306 mm
including projecting parts and controls
Mass (Approx.) 16 lb 6oz (7.4 kg) (US, Canadian)
7.7 kg

Design and specifications are subject to change without notice.

- Abbreviation
  AR : Argentina model
  AUS : Australian model
  E51 : Chilean and Peruvian model

Notes on chip component replacement

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

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

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

SAFETY CHECK-OUT

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 miliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Meausring the voltage drop across a resistor by means of a VOM or battery-operated AC volmeter. The “limit ” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

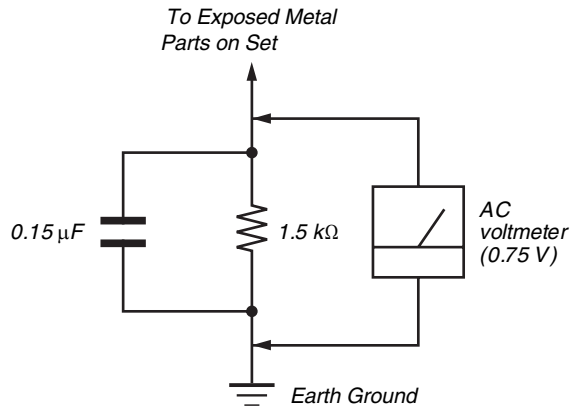


Fig.A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

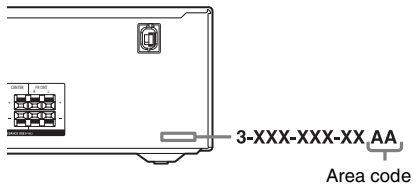
COMPONENT IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

About area codes

The area code of the receiver you purchased is shown on the lower right portion of the rear panel (see the illustration below).



Any differences in operation, according to the area code, are clearly indicated in the text, for example, “Models of area code AA only”.

MODEL IDENTIFICATION
- Rear Panel -

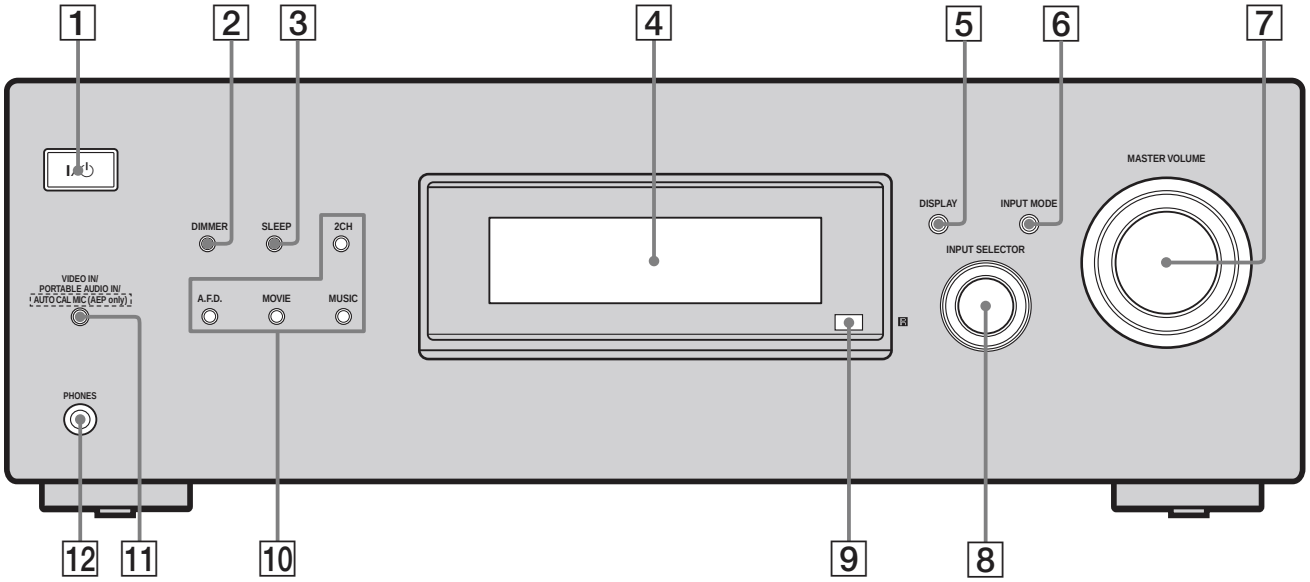
Model	Part No.
US model	3-279-682-0
Canadian model	3-279-682-1
AEP model	3-279-682-2
Australian model	3-279-682-6
Argentina model	3-279-682-7
Chilean and Peruvian model	3-279-682-8

TABLE OF CONTENTS

Note:
This section is extracted from instruction manual.

Receiver

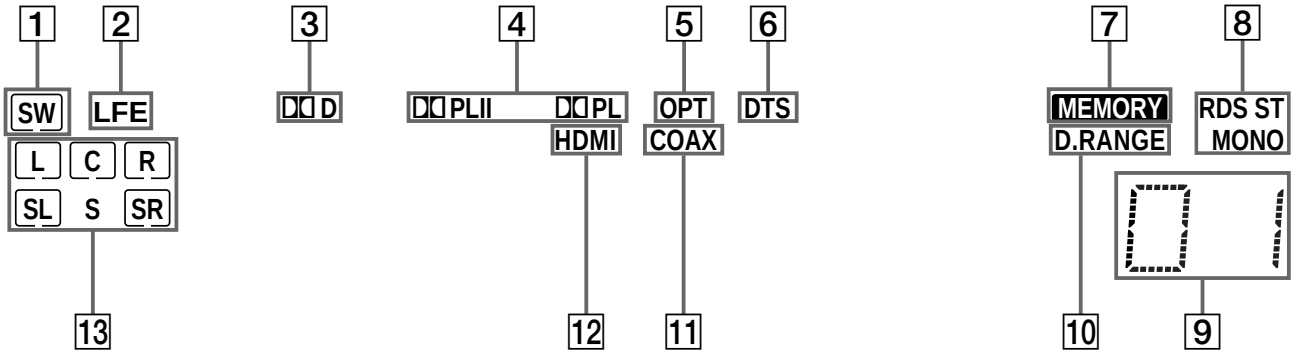
Front panel



Name	Function
1 **I/⏻ (on/standby)**	Press to turn the receiver on or off (Page 23, 30, 31, 44).
2 **DIMMER**	Press to adjust the brightness of the display.
3 **SLEEP**	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically (Page 54).
4 **Display**	The current status of the selected component or a list of selectable items appears here (Page 6).
5 **DISPLAY**	Press to select information displayed on the display (Page 54).
6 **INPUT MODE**	Press to select the input mode when the same components are connected to both digital and analog jacks (Page 50).
7 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time. (Page 28, 29,30, 31).

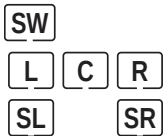
Name	Function
8 **INPUT SELECTOR**	Turn to select the input source to play back (Page 29).
9 **Remote sensor**	Receives signals from remote commander.
10 **2CH**	Press to select a sound field (Page 41, 42, 44).
A.F.D.	
MOVIE	
MUSIC	
11 **VIDEO IN/ PORTABLE AUDIO IN/ AUTO CAL MIC jack**	– Connects to a portable audio such as MP3 player, etc (Page 16). – Connects to the supplied optimizer microphone for the Auto Calibration function (Page 25).
12 **PHONES jack**	Connects to headphones (Page 59).

About the indicators on the display

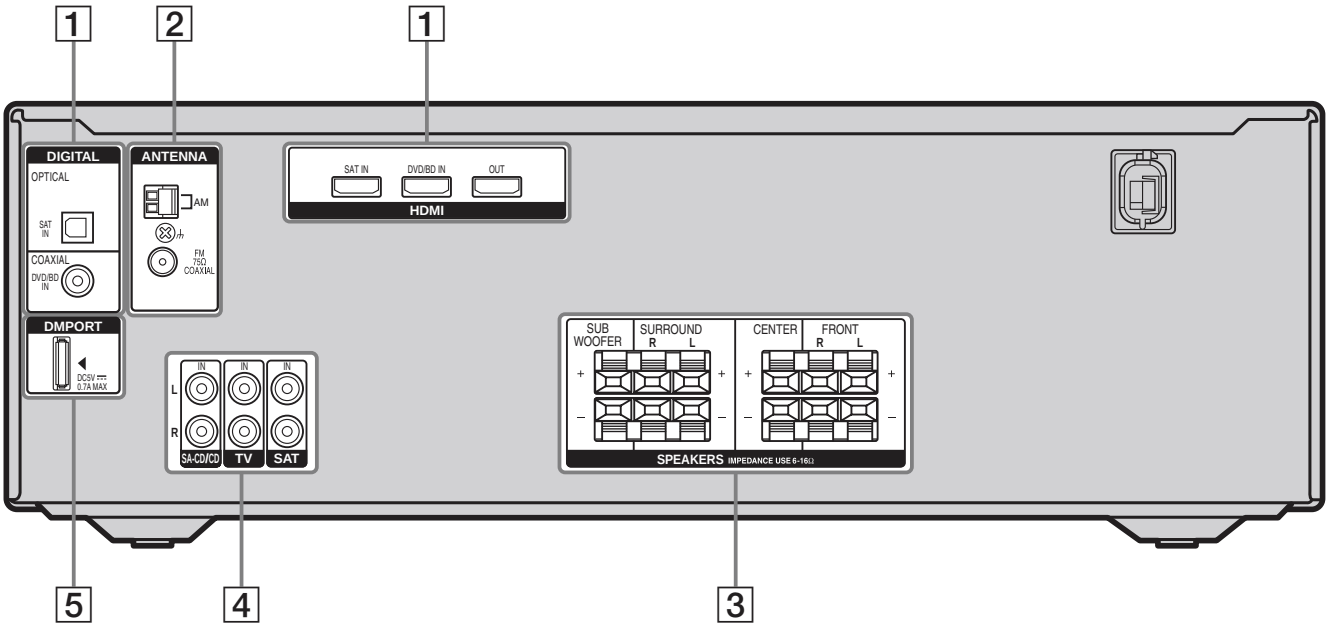


Name	Function
1 **SW**	Lights up when the audio signal is output from the SUB WOOFER jack.
2 **LFE**	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 **D D**	Lights up when the receiver is decoding Dolby Digital signals. **Note** When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is set to "AUTO" (Page 50).
4 **D D PL/ D D PLII**	"D D PL" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "D D PLII" lights up when the Pro Logic II Movie/Music decoder is activated.
5 **OPT**	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the OPTICAL jack.

Name	Function
6 **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 set to "AUTO" (Page 50).
7 **MEMORY**	Lights up when a memory function, such as Preset Memory (Page 46), etc., is activated.
8 **Tuner indicators**	Lights up when using the receiver to tune in radio stations (Page 45), etc **Note** "RDS" appears for models of area code CEL, CEK only.
9 **Preset station indicators**	Lights up when using the receiver to tune in preset radio stations. For details on presetting radio stations See page 46.
10 **D.RANGE**	Lights up when dynamic range compression is activated (Page 33).
11 **COAX**	Lights up when DVD/BD input is selected. However, "UNLOCK" appears on the display if no digital signal is input through the COAXIAL jack.
12 **HDMI**	Lights up when the receiver recognizes a component connected via an HDMI IN jack (Page 18).

Name	Function
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.
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 Sound Field: A.F.D. AUTO
	

Rear panel



1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN jack	Connects to a DVD player, etc. The COAXIAL jack provides a better sound quality (Page 20).
	COAXIAL IN jack	
	HDMI IN/ OUT jacks*	Connects to a DVD player, Blu-ray disc player, etc. The image and the sound are output to a TV (Page 18).

2 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna supplied with this receiver (Page 22).
	AM ANTENNA terminals	Connects to the AM loop antenna supplied with this receiver (Page 22).

3 SPEAKERS section

+ –		Connects to the speakers and sub woofer (Page 14).

4 AUDIO INPUT section

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

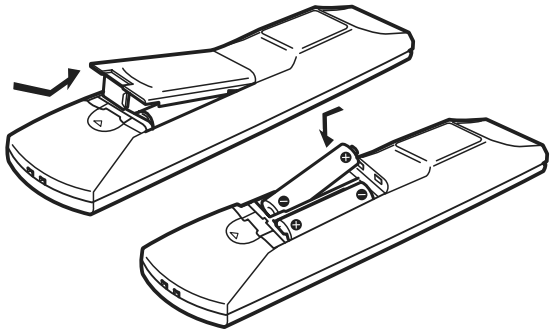
5 DMPORT

	DMPORT jack	Connects to a DIGITAL MEDIA PORT adapter (Page 52).

* You can watch the selected input image when you connect the HDMI OUT jack to a TV (Page 18).

Inserting batteries into the remote

Insert two R6 (size-AA) batteries in the RM-AAU024 or RM-AAU025 remote commander. Observe the correct polarity when installing batteries.



Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with old ones.
- Do not mix alkaline batteries and other kinds of batteries.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you do not intend to use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.
- When you replace the batteries, the remote buttons may be reset to their factory settings. If this happens, reassign the button again.

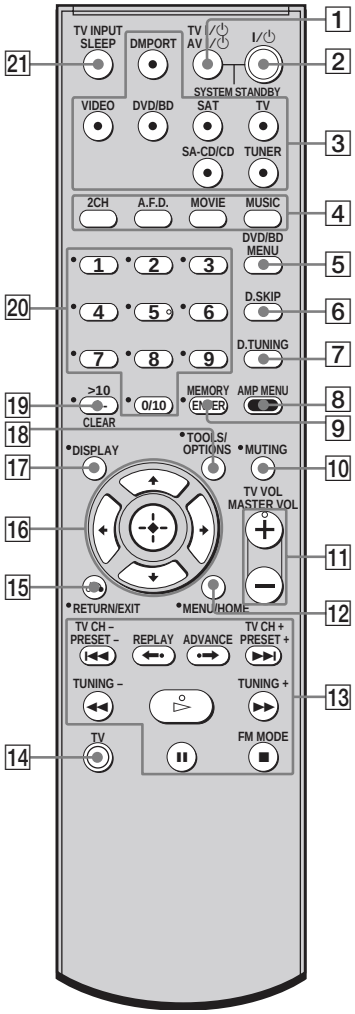
Tip

Under normal conditions, the batteries should last for about 3 months. When the remote no longer operates the receiver, replace all the batteries with new ones.

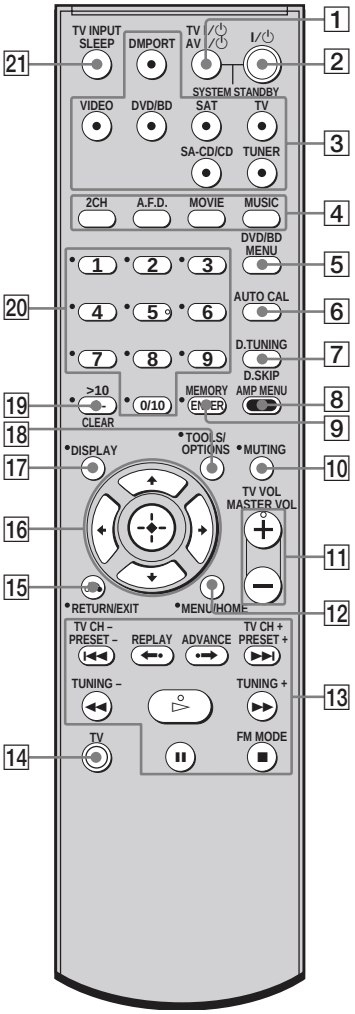
Remote commander

You can use the supplied remote RM-AAU024 (US, Canadian only) or RM-AAU025 (AEP, Australian* only) to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate.

RM-AAU024
(US, Canadian only)



RM-AAU025
(AEP, Australian* only)



Name		Function
1	**TV I/⏻ (on/standby)**	Press TV I/⏻ and TV (14) 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 55). 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. You can change the button assignments following the step in "Changing button assignment" on page 55.
4	**2CH**	Press to select a sound field.
	A.F.D.	
	MOVIE	
	MUSIC	
5	**DVD/BD MENU**	Press to display the menu of the DVD or Blu-ray disc on the TV screen. Then, use ↑, ↓, ←, → and ⊕ (16) to perform menu operations.
6	**D.SKIP (RM-AAU024 only)**	Press to skip a disc when using a multi-disc changer.
	AUTO CAL (RM-AAU025 only)	Press to activate the Auto Calibration function.
7	**D.TUNING**	Press to enter direct tuning mode.

Name		Function
	D.SKIP (RM-AAU025 only)	Press to skip a disc when using a multi-disc changer.
8	**AMP MENU**	Press to display the menu of the receiver. Then, use ↑, ↓, ←, → and ⊕ (16) to perform menu operations.
9	**ENTER**	Press to enter the value after selecting a channel, disc or track using the numeric buttons of the TV, VCR or satellite tuner.
	MEMORY	Press to store a station.
10	**MUTING**	Press to turn off the sound temporarily. Press MUTING again to restore the sound. Press MUTING and TV (14) at the same time to activate the TV's muting function.
11	**TV VOL +[a]/–**	Press TV VOL +/– and TV (14) at the same time to adjust the volume level of the TV.
	MASTER VOL +[a]/–	Press to adjust the volume level of all speakers at the same time.
12	**MENU/HOME**	Press to display the menu of the VCR, DVD player, satellite tuner or Blu-ray disc player on the TV screen. Press MENU/HOME and TV (14) at the same time to display the TV's menu. Then, use ↑, ↓, ←, → and ⊕ (16) to perform menu operations.
13	**I◀◀ /▶▶I[b]**	Press to skip a track of the CD player, DVD player or Blu-ray disc player.
	REPLAY ←• / ADVANCE •→	Press to replay the previous scene or fast forward the current scene of the VCR, DVD player or Blu-ray disc player.
	◀◀/▶▶[b]	Press to – search tracks in the forward/reverse direction of the DVD player. – start fast forward/rewind of the VCR, CD player or Blu-ray disc player.

	Name	Function
	▷ a)b)	Press to start playback of the VCR, CD player, DVD player, or Blu-ray disc player.
	❚❚ b)	Press to pause playback or recording of the VCR, CD player, DVD player or Blu-ray disc player. (Also starts recording with components in recording standby.)
	■ b)	Press to stop playback of the VCR, CD player, DVD player or Blu-ray disc player.
	TV CH +/–	Press TV CH +/– and TV (14) 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.
	FM MODE	Press to select the FM monaural or stereo reception.
14	**TV**	Press TV and the buttons with orange printing at the same time to enable the TV operation.
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 (14) 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.

	Name	Function
16	⊕ ↑/↓/←/→	After pressing DVD/BD MENU (5), AMP MENU (8), or MENU/HOME (12), press ↑, ↓, ← or → to select the settings. Then, press ⊕ to enter the selection if you have pressed DVD/BD MENU or MENU/HOME previously. 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 (14) at the same time to display TV's information on the TV screen.
18	**TOOLS/ OPTIONS**	Press to display and select the options of the DVD player or Blu-ray disc player. Press TOOLS/OPTIONS and TV (14) at the same time to display the options applicable to the Sony TV.
19	**● (RM-AAU024 only)**	Press to input the decimal point for channel number of the Digital CATV terminal. Press ● and TV (14) at the same time to input the decimal point for the channel numbers of the TV.
	-/-- (RM-AAU025 only)	Press to select the channel entry mode, either one or two digit of the VCR. Press -/-- and TV (14) 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 CD player.
	CLEAR	Press to clear a mistake when you press the incorrect numeric button.

Name	Function
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 (14) at the same time to select the TV channels.
21 **TV INPUT**	Press TV INPUT and TV (14) at the same time to select the input signal (TV input or video input).
SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.

[a] The number 5, MASTER VOL +, TV VOL +, and ▷ buttons have tactile dots. Use the tactile dots as references when operating the receiver.

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

Notes

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

SECTION 2
TEST MODE

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:

1. While pressing the 2CH button, press the power I/⏻ button to turn on the main power.
2. The message “S.F. CLR.” appears and initialization is performed.

SOFTWARE VERSION DISPLAY MODE

The software version is displayed.

Procedure:

1. While pressing the DIMMER and the INPUT MODE buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. The model name, destination and the software version are displayed.

KEY CHECK MODE

Button check

Procedure:

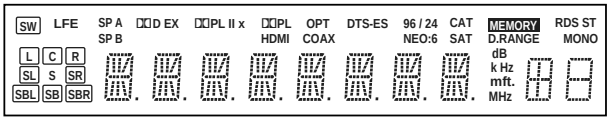
1. While pressing the MUSIC and the INPUT MODE buttons simultaneously, press the power I/⏻ button to turn on the main power.
   “REST 08” appears.
2. Every pressing of any button other than I/⏻ counts down the buttons. The buttons which are already counted once are not counted again.
3. When all buttons are pressed “REST 00” appears.

FLUORESCENT INDICATOR TUBE TEST MODE

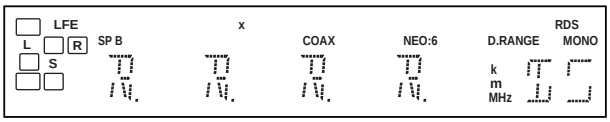
All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

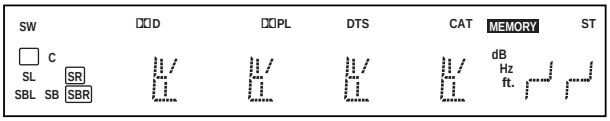
1. While pressing the SLEEP and the INPUT MODE buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. All segments turn on.



3. Turn the INPUT SELECTOR knob.



4. Turn the INPUT SELECTOR knob once again.



5. Turn the INPUT SELECTOR knob once again. All segments turn off.
6. Every turning of the INPUT SELECTOR knob turns on each segment one after another in the same order.
7. Press DISPLAY or SOUND FIELD to release test mode.

SWAP ALL MODE

The signal will be swapped to all channels so that all speakers will have sound output.

Procedure:

1. While pressing the 2CH and the INPUT MODE buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. “DSP TEST” appears.
3. After pressing AMP MENU button of remote commander “9_DSPTST” appears.
4. Press → to enter the DSP test mode menu.
5. Press ↓ twice to enter swap mode. “SWP.AUTO” appears.
6. Press → twice again to select “SWP.ALL”.
7. Power off the set to release test mode.

SHIPMENT MODE

All preset contents are reset to the default setting.

Procedure:

1. While pressing the SLEEP and the DISPLAY buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. After “CLEARING” appears, “CLEARED” appears and switch off the set.

RE-BOX CLASSIFICATION TEST MODE

Procedure:

1. While pressing the MOVIE and the DISPLAY buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. “ R.BOX [][][]xx” appears.
3. xx indicates number of times set powered on.
4. Press any button or power off the set to release test mode.

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE (US, CND)

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Set the FUNCTION to AM. Turn off the main power.
2. While pressing the MOVIE button, press the power I/⏻ button to turn on the main power.
3. Either the message “9 k STEP” or “10 k STEP” appears. Select the desired step.

VACS CONTROL TEST MODE

The VACS feature of the amplifier is turned off purposely.

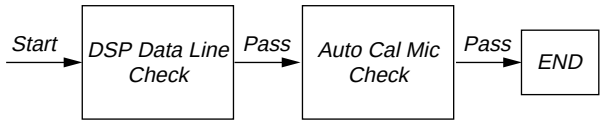
Procedure:

1. While pressing the MOVIE and the INPUT MODE buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. “VACS OFF” appears (8 second).
3. Power off the set to release test mode.

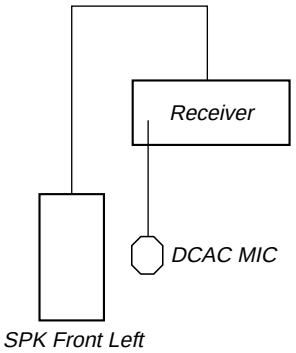
DCAC FACTORY TEST MODE (AEP, Australian model)

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 [MUSIC] + [DISPLAY] + [I/⏻] .
   "DCAC[]FTM" appears.
   Afterward, press the [DIMMER] to start DCAC factory test mode.

1.DCAC DSP Data Line Checking

After press the [DIMMER] , DCAC Factory test mode will start, below display will show:
"DCAC[][][]x" x = 1, 2, 3, 4
If there is error happen, below display will show:

"ERR[]SD0x" x = 1 → D1501 or R1530
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] knob, there will be test tone sound output from front left speaker, and the display will change accordingly.

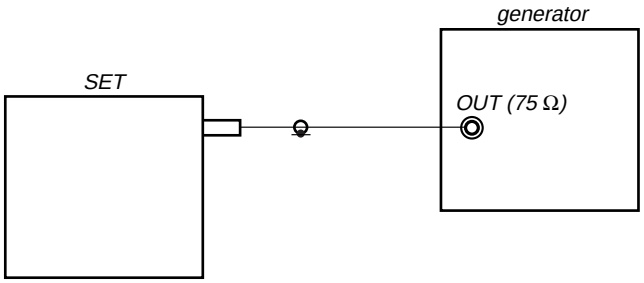
"AD[]-[]xxx" xxx = 0 to 255 (depends on loudness of test tone)

3. Press [DIMMER] button or power off the set to release test mode.

SECTION 3
ELECTRICAL ADJUSTMENT

TUNER SECTION

[FM Auto Stop Check]



Procedure:

1. Turn the power on.
2. Input the following signal from Signal Generator to FM antenna input directly.

* Carrier Freq : 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 4
DIAGRAMS

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 Diagrams.

Note:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

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

- : B+ Line.
- : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. No mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  - : FM
  - : AUDIO (ANALOG)
  - : AUDIO (DIGITAL)
  - : VIDEO
  - : MIC

- Abbreviation:
  AR : Argentina model
  AUS : Australian model
  CND : Canadian model
  E51 : Chilean and Peruvian model

For Printed Wiring Boards.

Note:

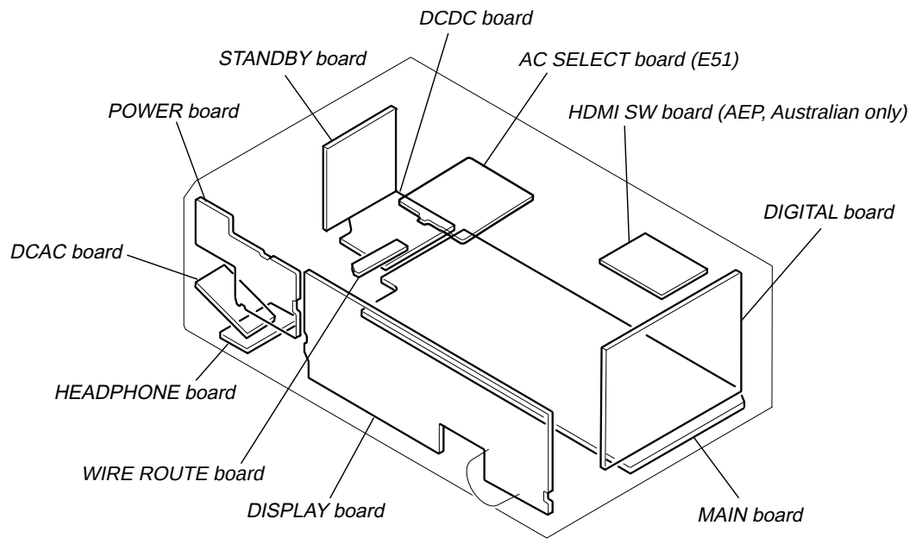
- : parts extracted from the component side.
- : Through hole.
- △ : internal component.
- : Pattern from the side which enables seeing.

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

- Indication of transistor.

- Abbreviation:
  AR : Argentina model
  AUS : Australian model
  CND : Canadian model
  E51 : Chilean and Peruvian model

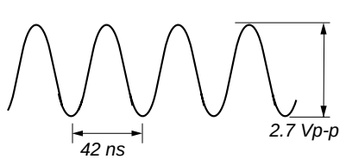
- **Circuit Boards Location**



- **Waveforms**

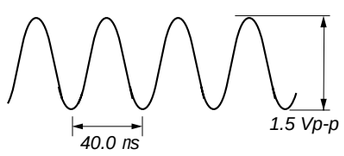
– DIGITAL Board –

① IC1101 ⑧③ (X1)



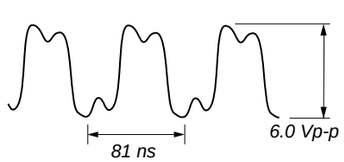
1 V/DIV, 50 ns/DIV

② IC1501 ⑭③ (XTAL)



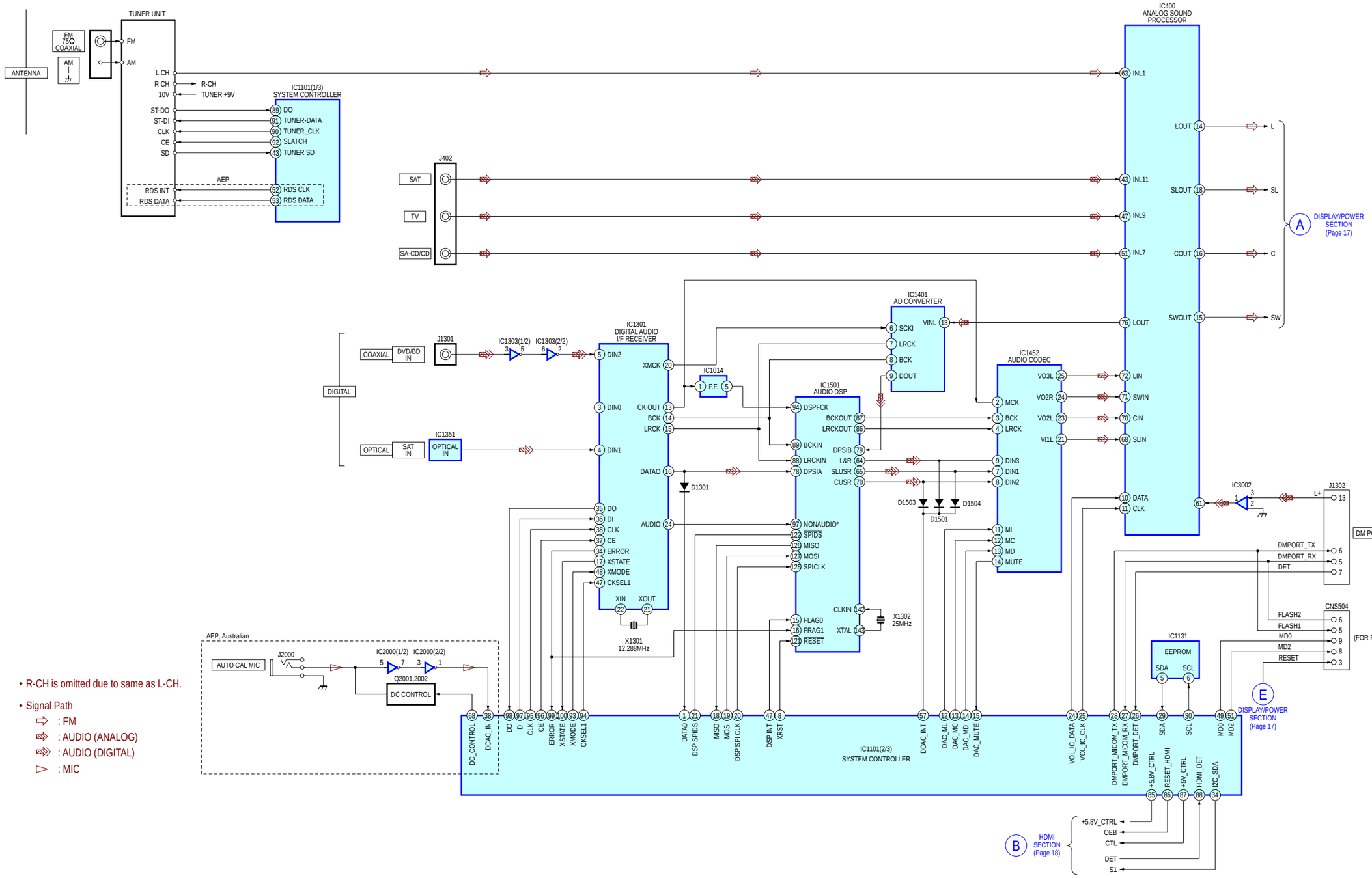
1 V/DIV, 50 ns/DIV

③ IC1301 ② ① (XOUT)



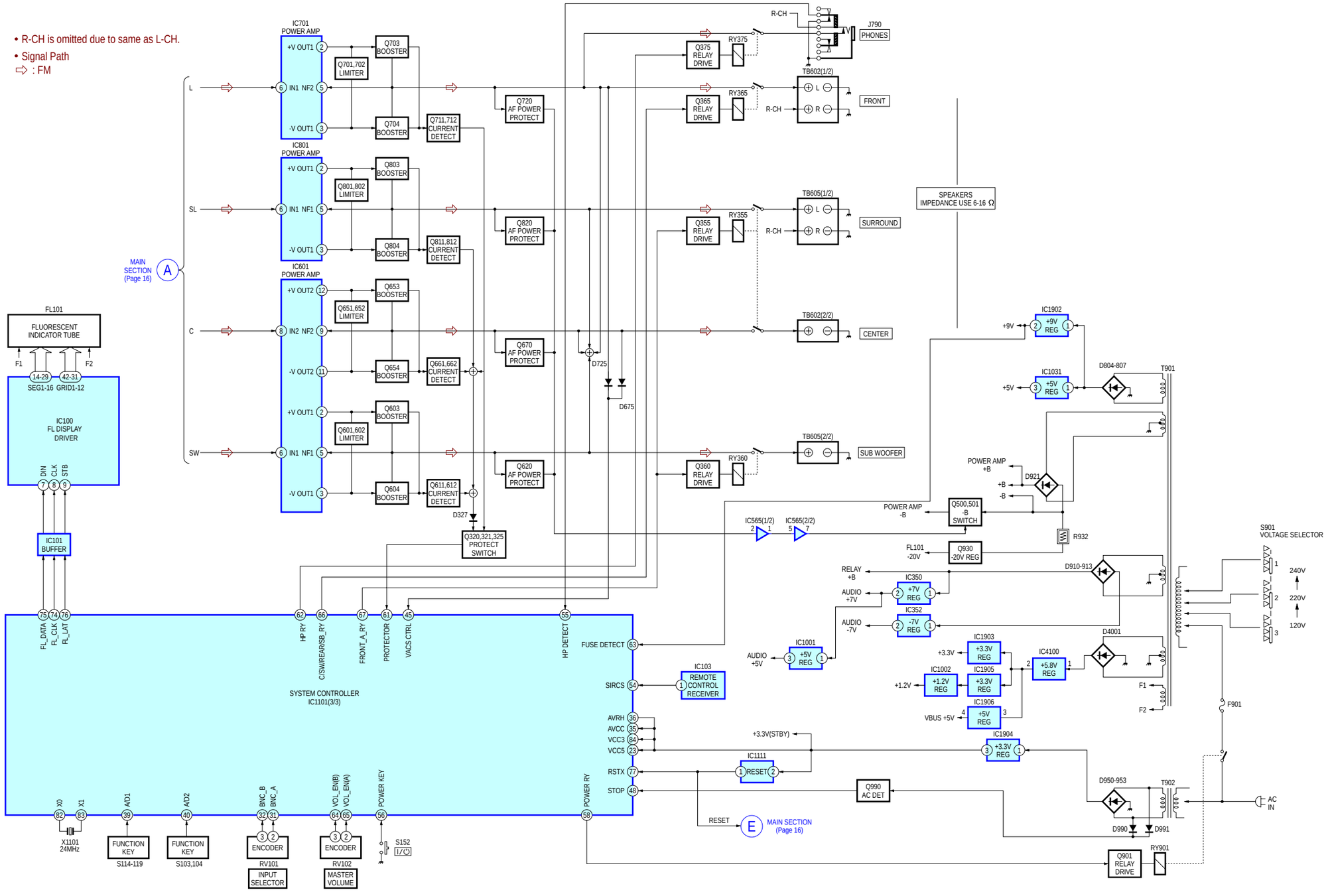
1 V/DIV, 50 ns/DIV

4-1. BLOCK DIAGRAM – MAIN SECTION –

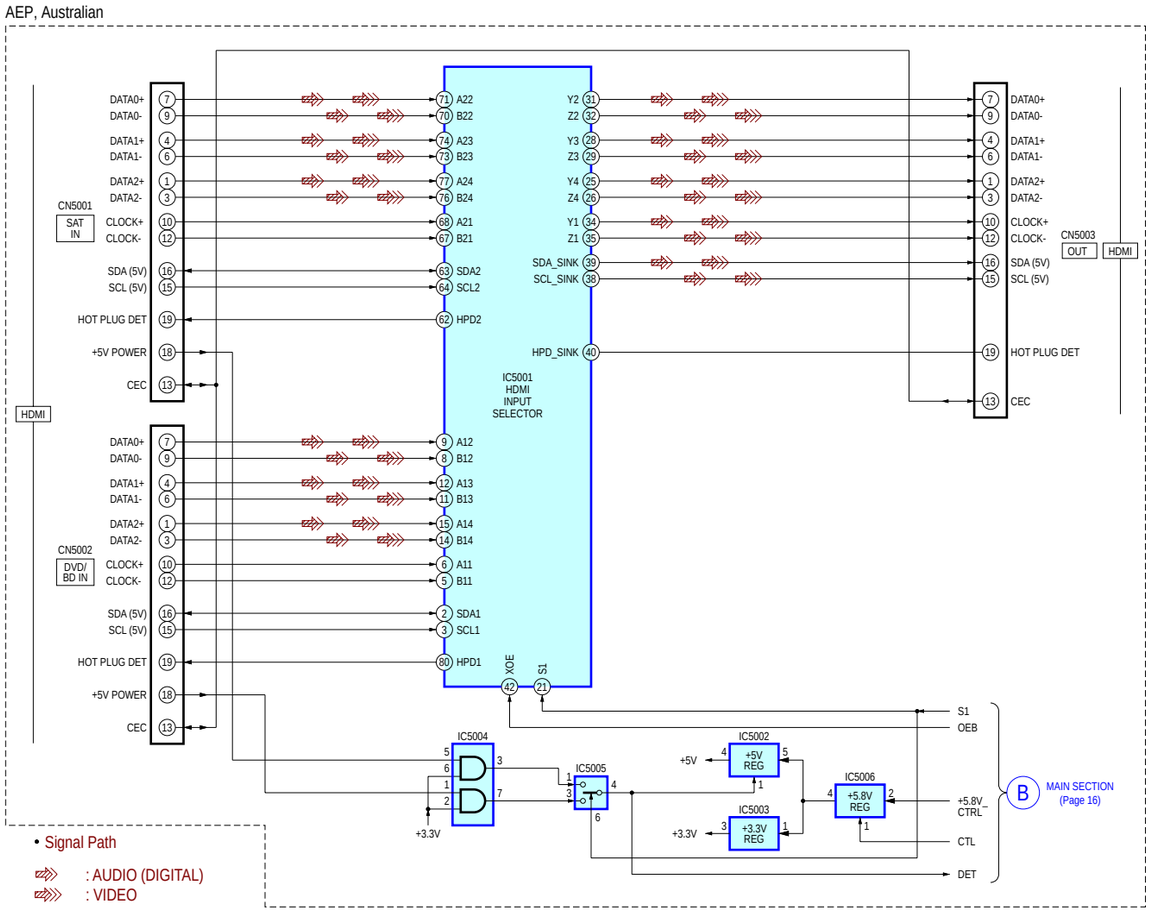


- R-CH is omitted due to same as L-CH.
- Signal Path
  - ⇨ : FM
  - ⇛ : AUDIO (ANALOG)
  - ⇛ : AUDIO (DIGITAL)
  - ▻ : MIC

4-2. BLOCK DIAGRAM – DISPLAY/POWER SECTION –



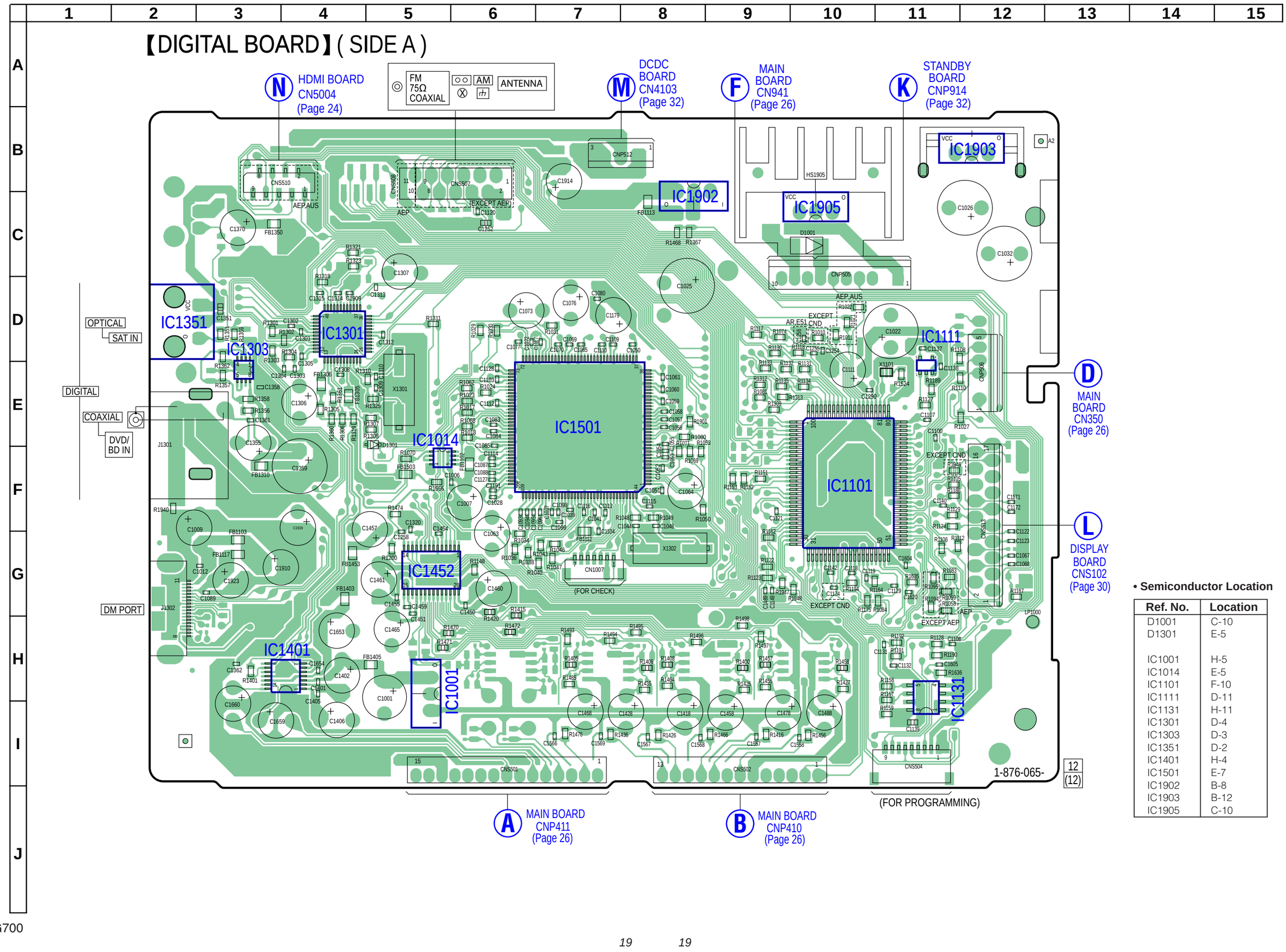
4-3. BLOCK DIAGRAM – HDMI SECTION –



4-4. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE A) –

• See page 15 for Circuit Boards Location.

:Uses unleaded solder.



• **Semiconductor Location**

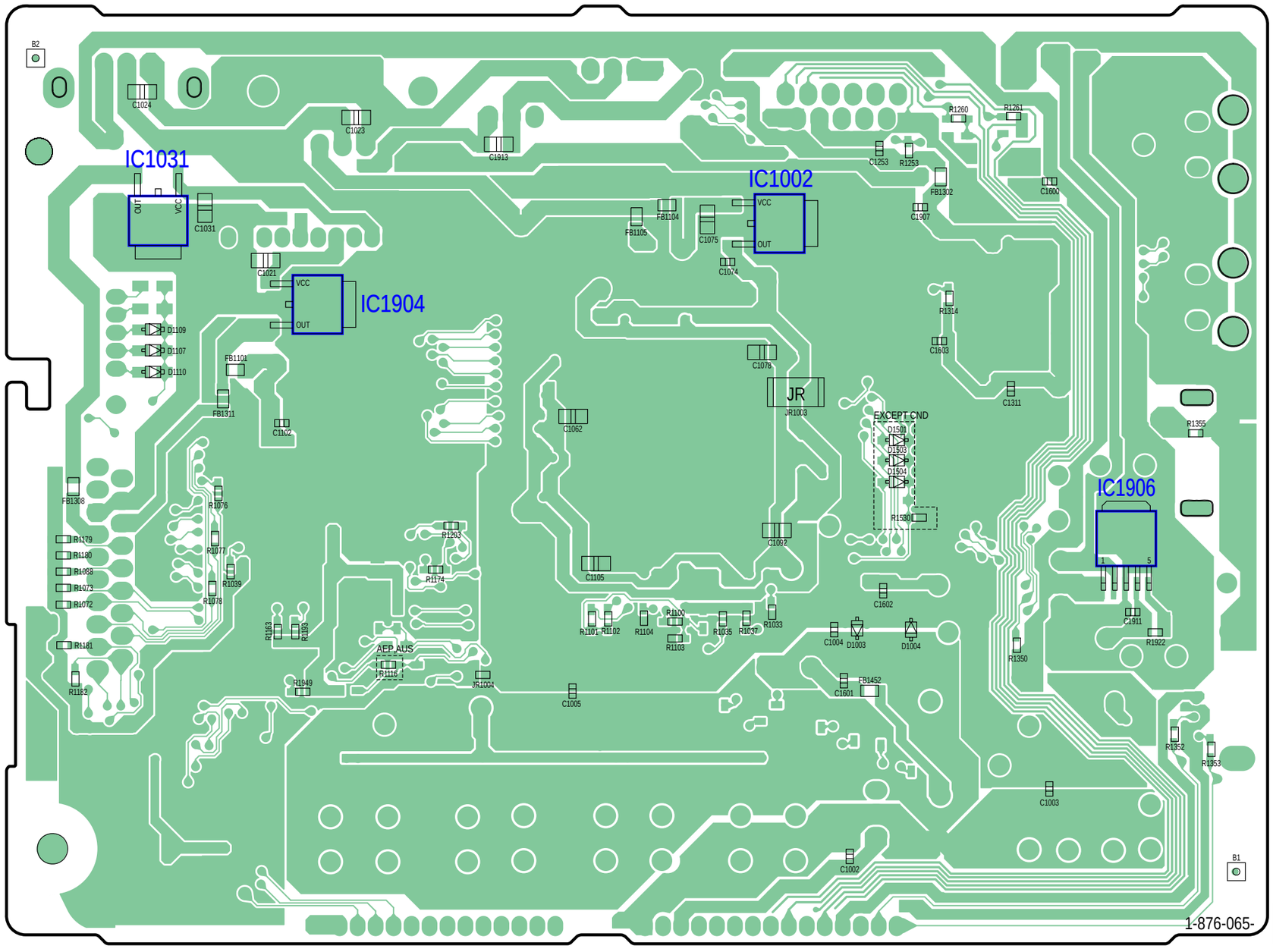
Ref. No.	Location
D1001	C-10
D1301	E-5
IC1001	H-5
IC1014	E-5
IC1101	F-10
IC1111	D-11
IC1131	H-11
IC1301	D-4
IC1303	D-3
IC1351	D-2
IC1401	H-4
IC1501	E-7
IC1902	B-8
IC1903	B-12
IC1905	C-10

4-5. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE B) –

• See page 15 for Circuit Boards Location.

:Uses unleaded solder.

【DIGITAL BOARD】(SIDE B)

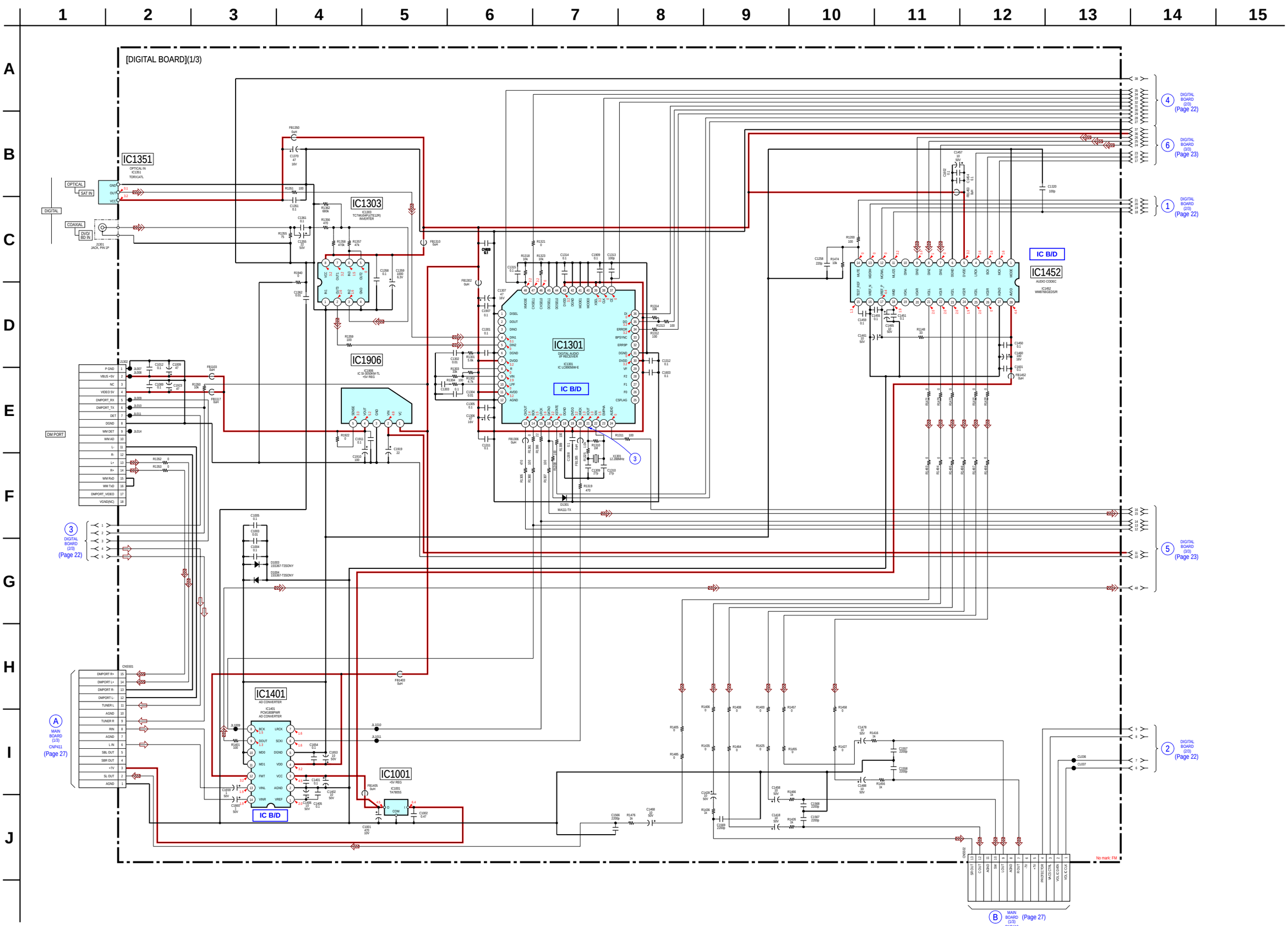


• Semiconductor Location

Ref. No.	Location
D1003	G-5
D1004	G-4
D1501	E-4
D1503	E-4
D1504	E-4
D1107	D-11
D1109	D-11
D1110	D-11
IC1002	C-5
IC1031	C-11
IC1904	D-9
IC1906	F-2

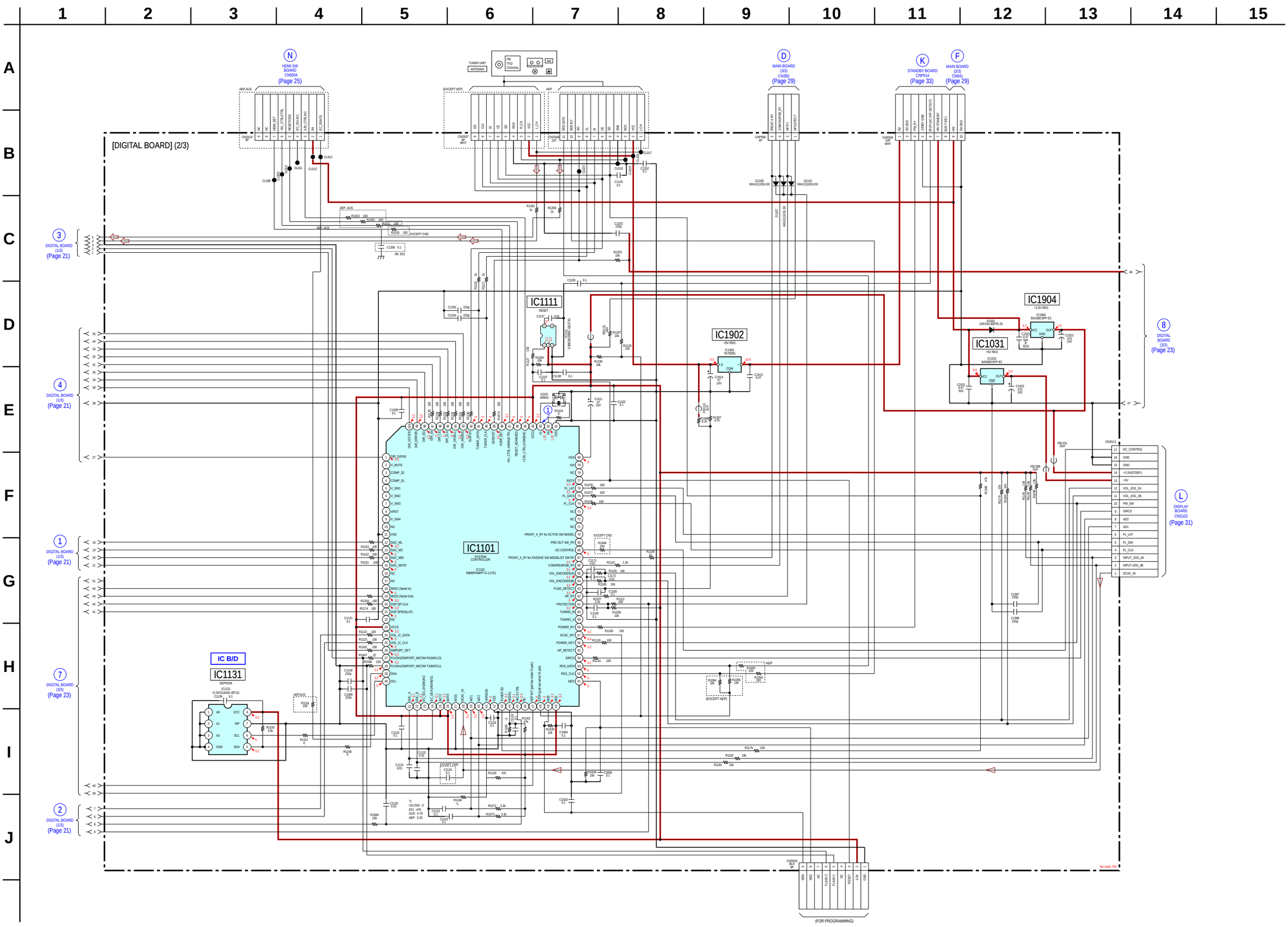
4-6. SCHEMATIC DIAGRAM – DIGITAL BOARD (1/3) –

• See page 15 for Waveform • See page 16 for Block Diagram • See page 36 for IC Block Diagram.



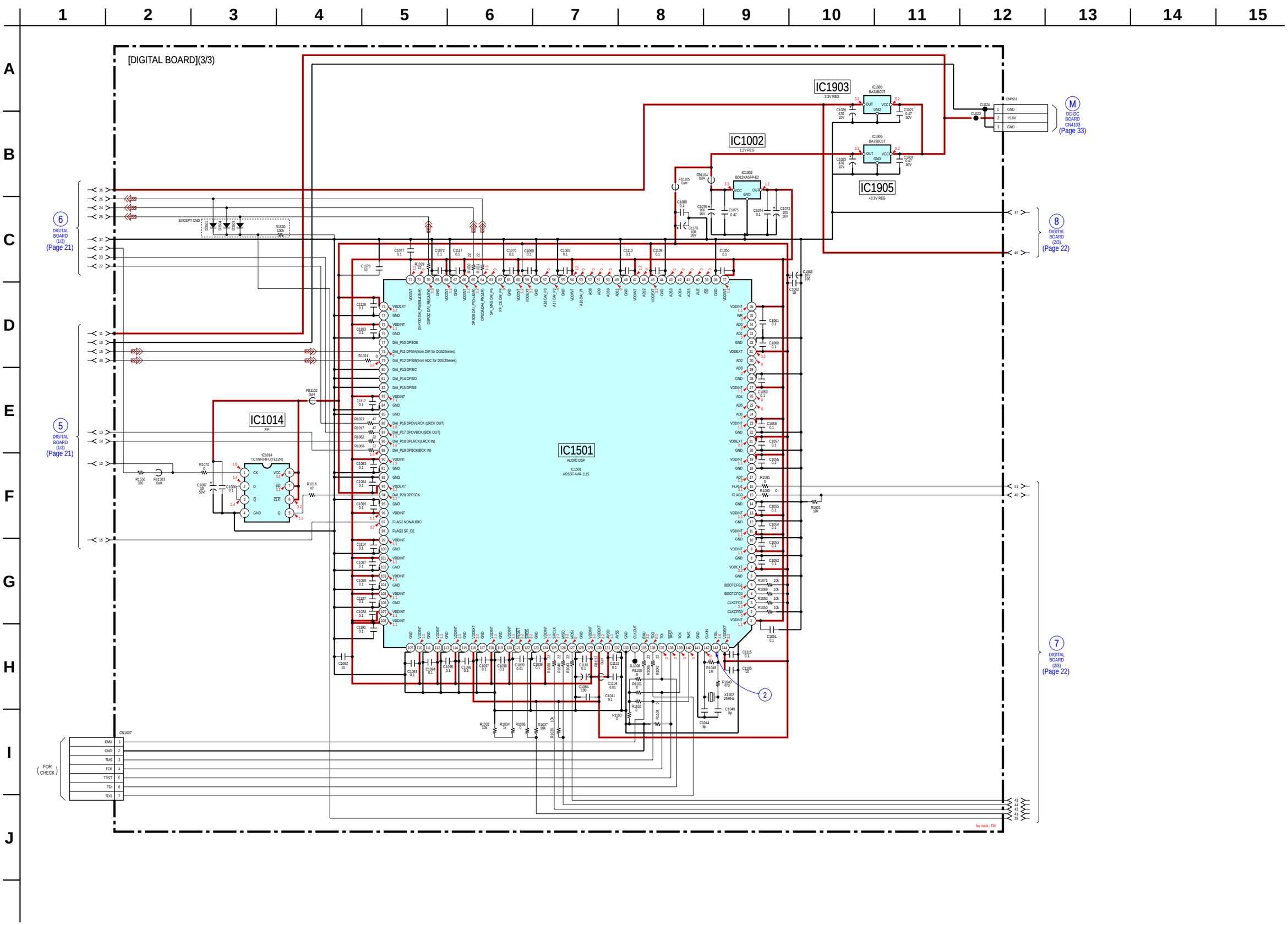
4-7. SCHEMATIC DIAGRAM – DIGITAL BOARD (2/3) –

• See page 15 for Waveform • See page 16 for Block Diagram • See page 37 for IC Block Diagram.



4-8. SCHEMATIC DIAGRAM – DIGITAL BOARD (3/3) –

• See page 15 for Waveform • See page 16 for Block Diagram



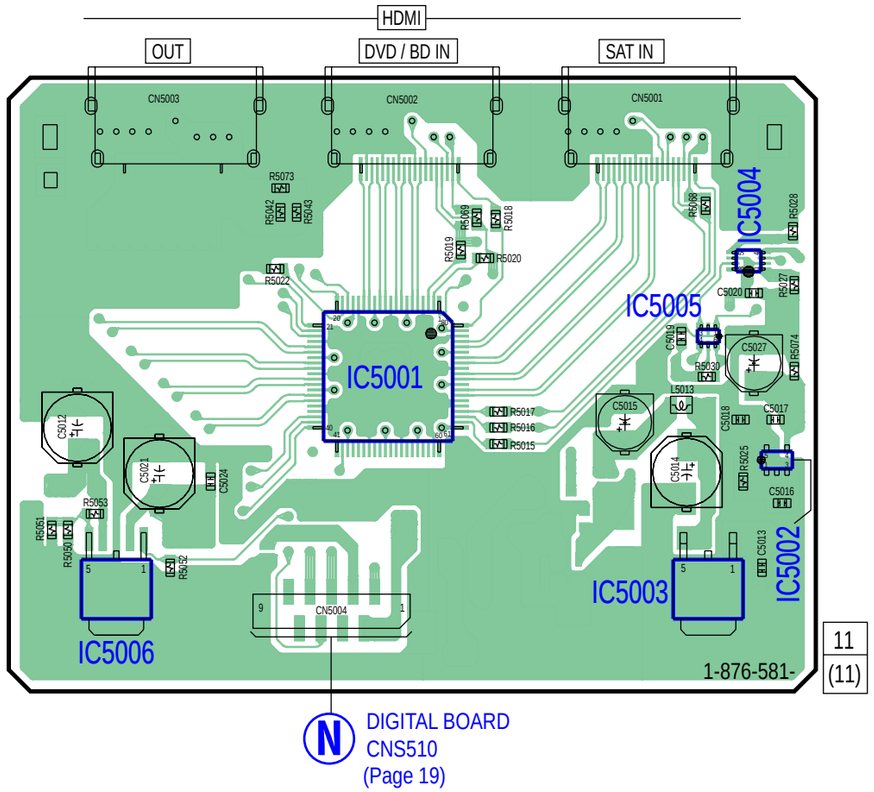
4-9. PRINTED WIRING BOARDS – HDMI SW BOARD, HDMI BRIDGE BOARD (AEP, Australian only) –

• See page 15 for Circuit Boards Location

:Uses unleaded solder.

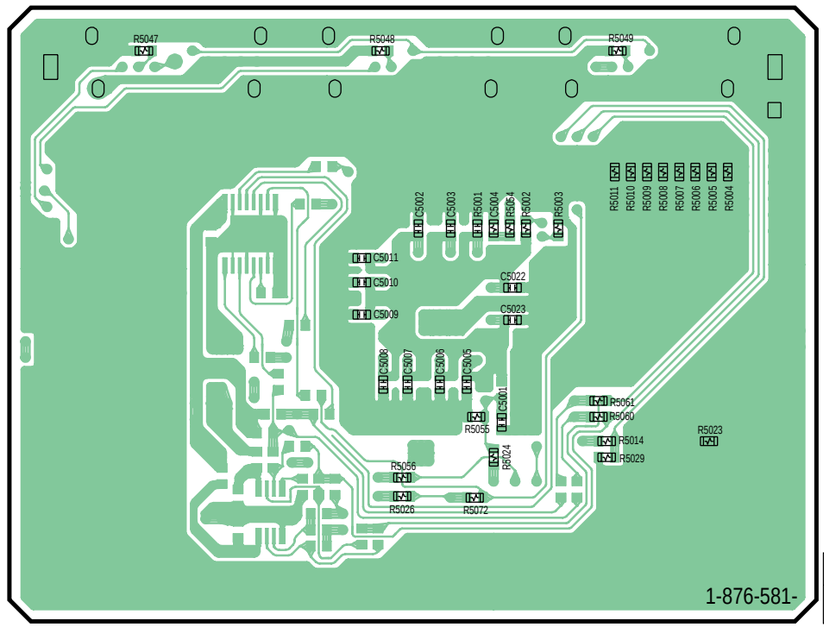
AEP, AUS

【HDMI BOARD】(SIDE A)



N DIGITAL BOARD
CNS510
(Page 19)

【HDMI BOARD】(SIDE B)

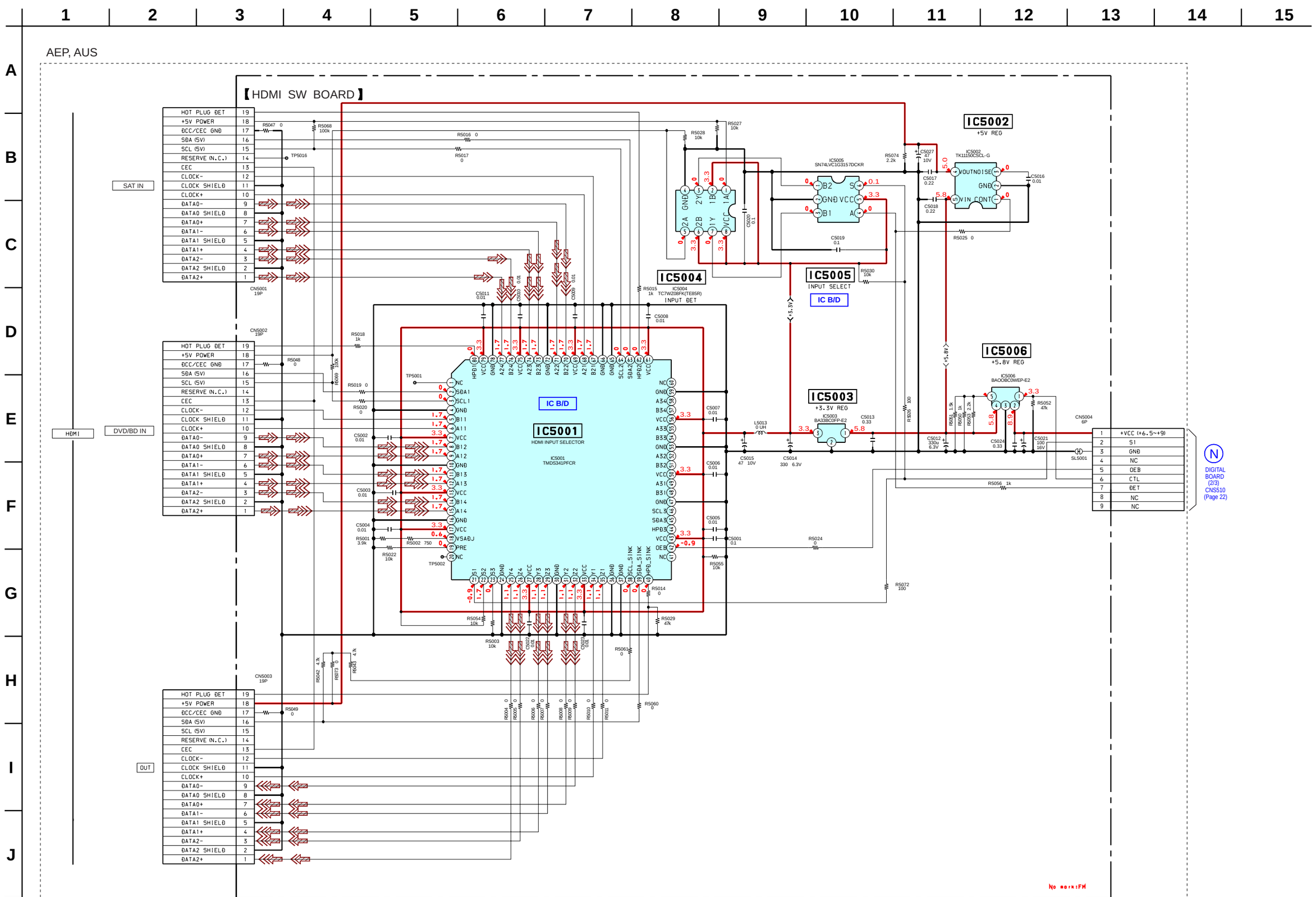


• Semiconductor Location

Ref. No.	Location
IC5001	D-4
IC5002	E-6
IC5003	E-6
IC5004	C-6
IC5005	D-6
IC5006	E-2

4-10. SCHEMATIC DIAGRAM – HDMI SW BOARD, HDMI BRIDGE BOARD (AEP, Australian only) –

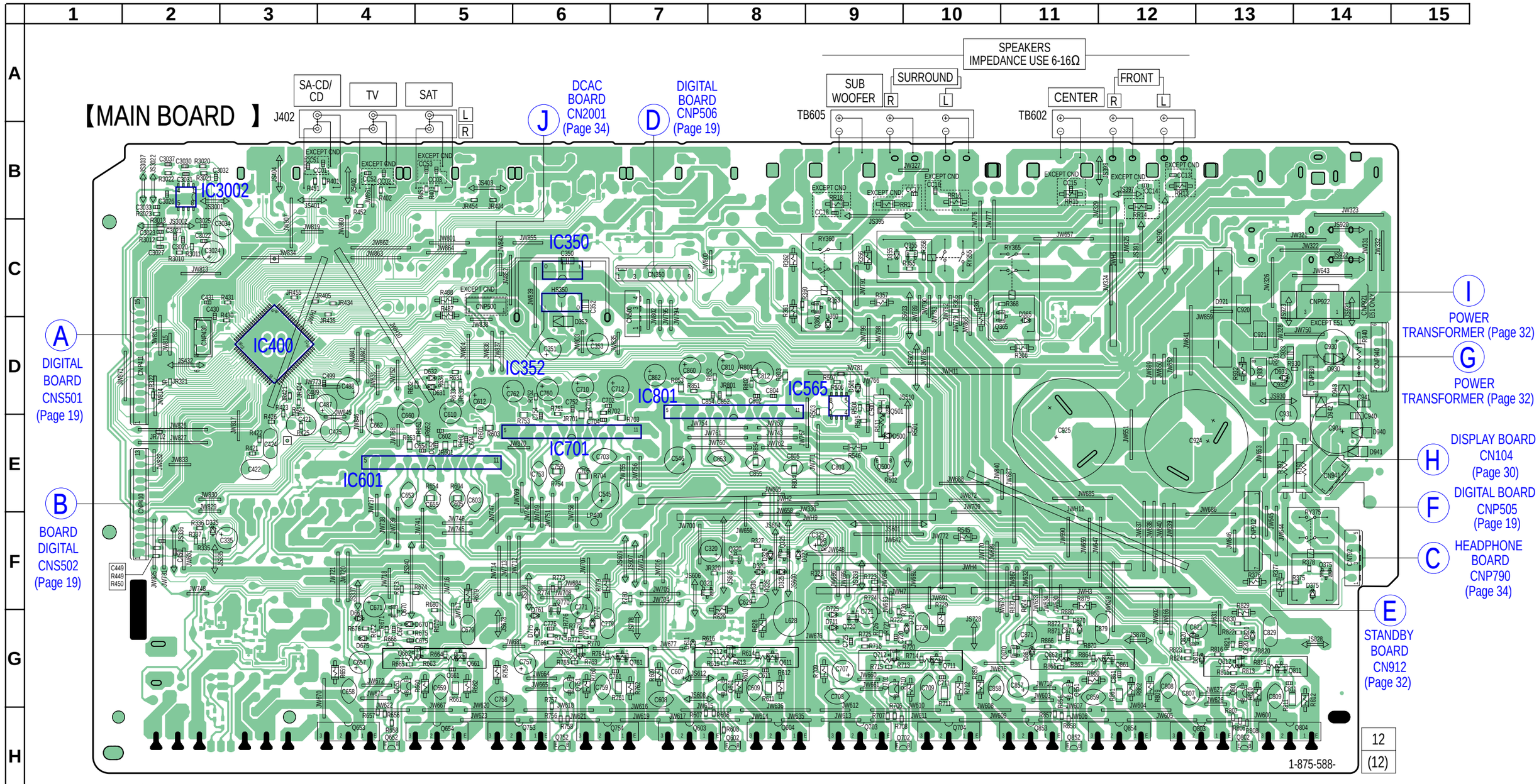
• See page 18 for Block Diagrams • See page 40 for IC Block Diagrams.



4-11. PRINTED WIRING BOARDS – MAIN BOARD –

• See page 15 for Circuit Boards Location

:Uses unleaded solder.

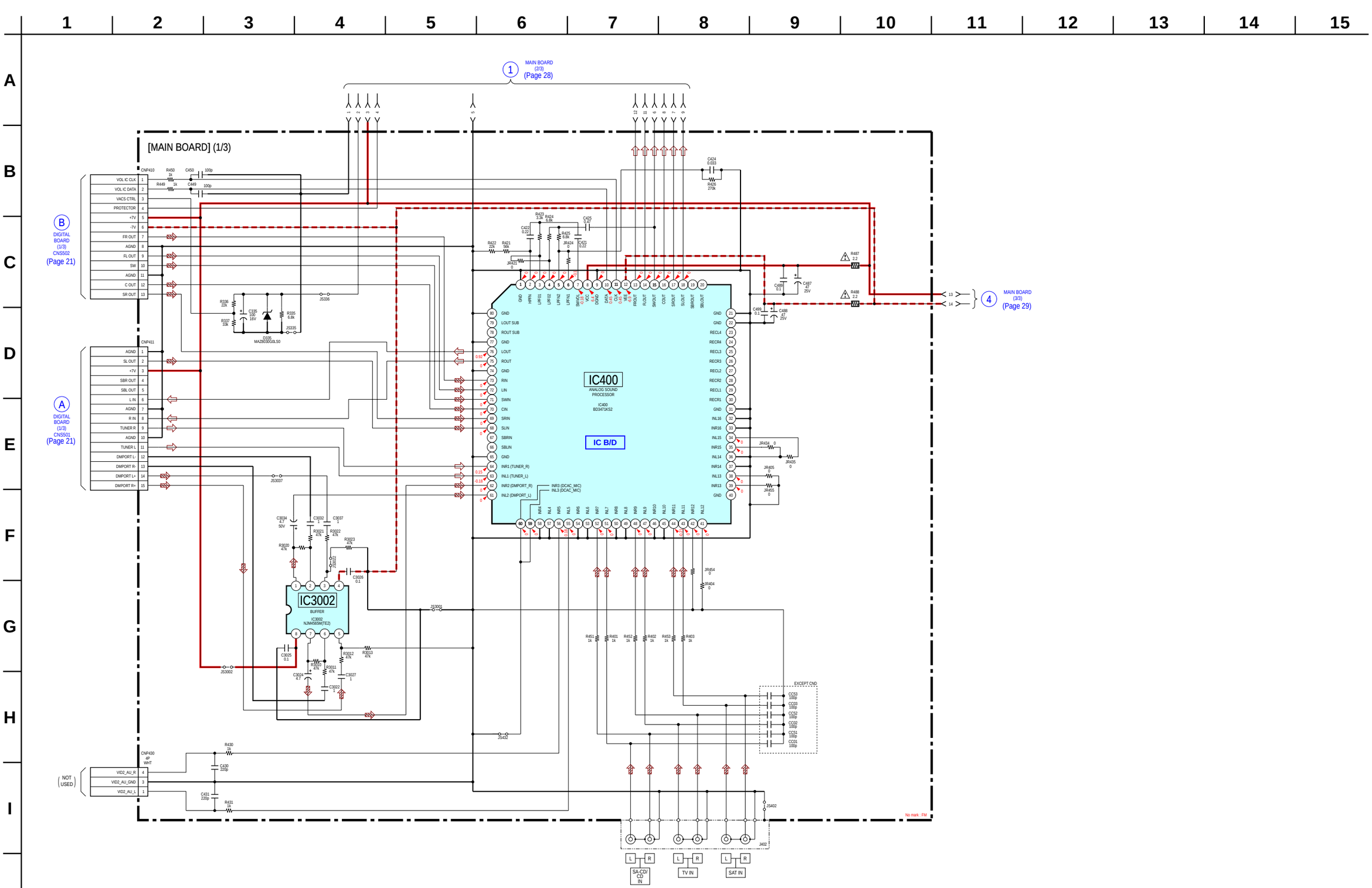


• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D320	F-8	D670	G-5	D941	E-14	Q355	C-10	Q661	G-5	Q770	F-6
D325	F-8	D675	G-4	D942	D-14	Q360	C-9	Q662	G-5	Q801	G-13
D326	F-8	D711	G-9	D943	D-14	Q365	C-11	Q670	F-4	Q802	H-13
D327	F-8	D720	G-10			Q375	F-14	Q701	G-9	Q803	H-13
D335	F-2	D725	G-9	IC350	C-6	Q500	E-9	Q702	H-10	Q804	H-14
D352	D-6	D761	G-6	IC352	C-6	Q501	D-9	Q703	H-9	Q811	G-13
D355	C-9	D770	G-6	IC400	D-3	Q601	G-8	Q704	H-10	Q812	G-13
D360	D-9	D775	G-6	IC565	D-9	Q602	H-8	Q711	G10	Q820	G-13
D365	D-11	D811	G-13	IC601	E-5	Q603	H-7	Q712	G-9	Q851	G-11
D375	F-14	D820	G-13	IC701	E-6	Q604	H-8	Q720	G-9	Q852	H-11
D500	E-9	D861	G-11	IC801	D-8	Q611	G-8	Q751	G-6	Q853	H-11
D501	D-9	D870	G-11	IC3002	B-2	Q612	G-8	Q752	H-6	Q854	H-12
D611	G-7	D921	C-13			Q651	G-5	Q753	H-6	Q861	G-12
D631	D-5	D930	D-14	Q320	F-8	Q652	H-4	Q754	H-7	Q862	G-11
D632	D-5	D931	D-13	Q321	F-8	Q653	H-4	Q761	G-7	Q870	G-11
D661	G-4	D940	E-14	Q325	F-8	Q654	H-5	Q762	G-6	Q930	D-13

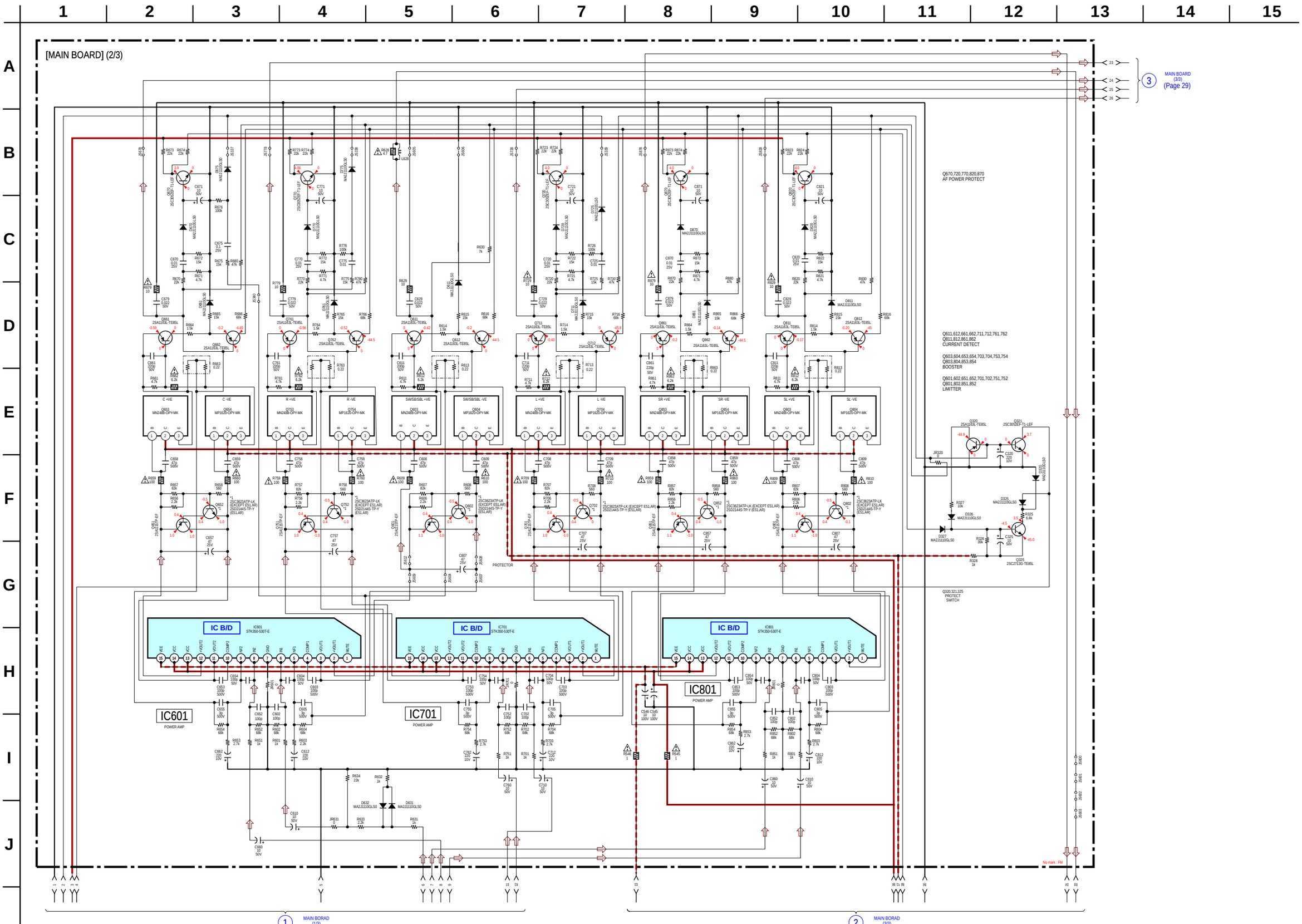
4-12. SCHEMATIC DIAGRAM – MAIN BOARD (1/3) –

• See page 16 for Block Diagrams • See page 38 for IC Block Diagrams.

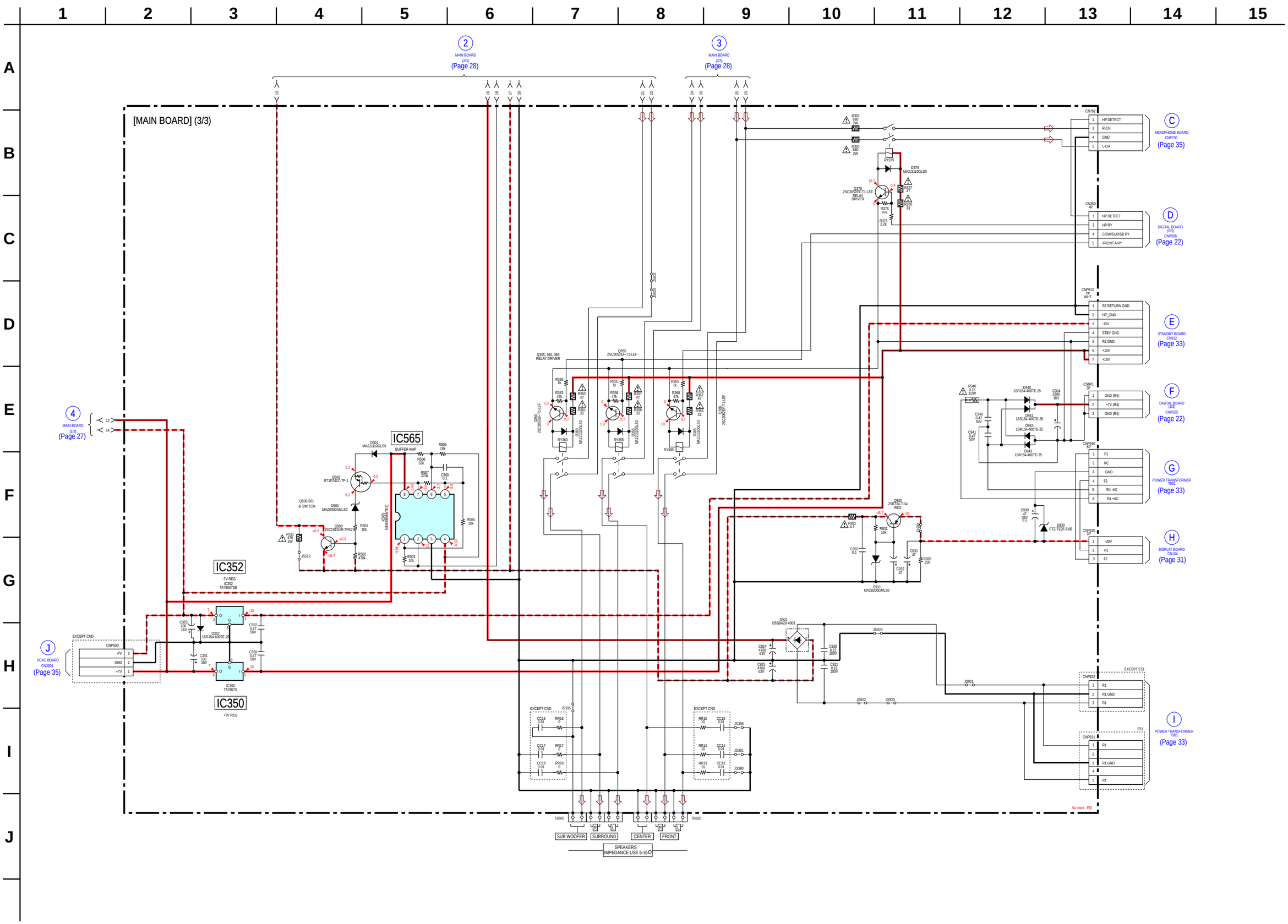


4-13. SCHEMATIC DIAGRAM – MAIN BOARD (2/3) –

• See page 17 for Block Diagrams • See page 38 for IC Block Diagrams.



4-14. SCHEMATIC DIAGRAM – MAIN BOARD (3/3) – • See page 17 for Block Diagrams.

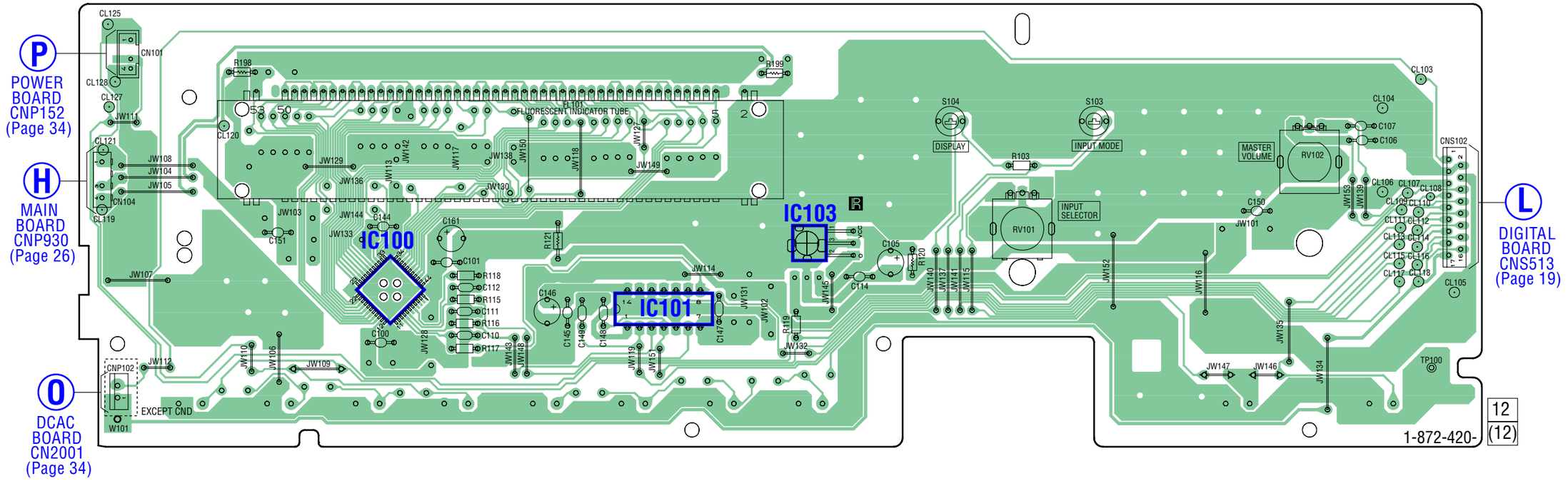


4-15. PRINTED WIRING BOARD – DISPLAY BOARD –

• See page 15 for Circuit Boards Location

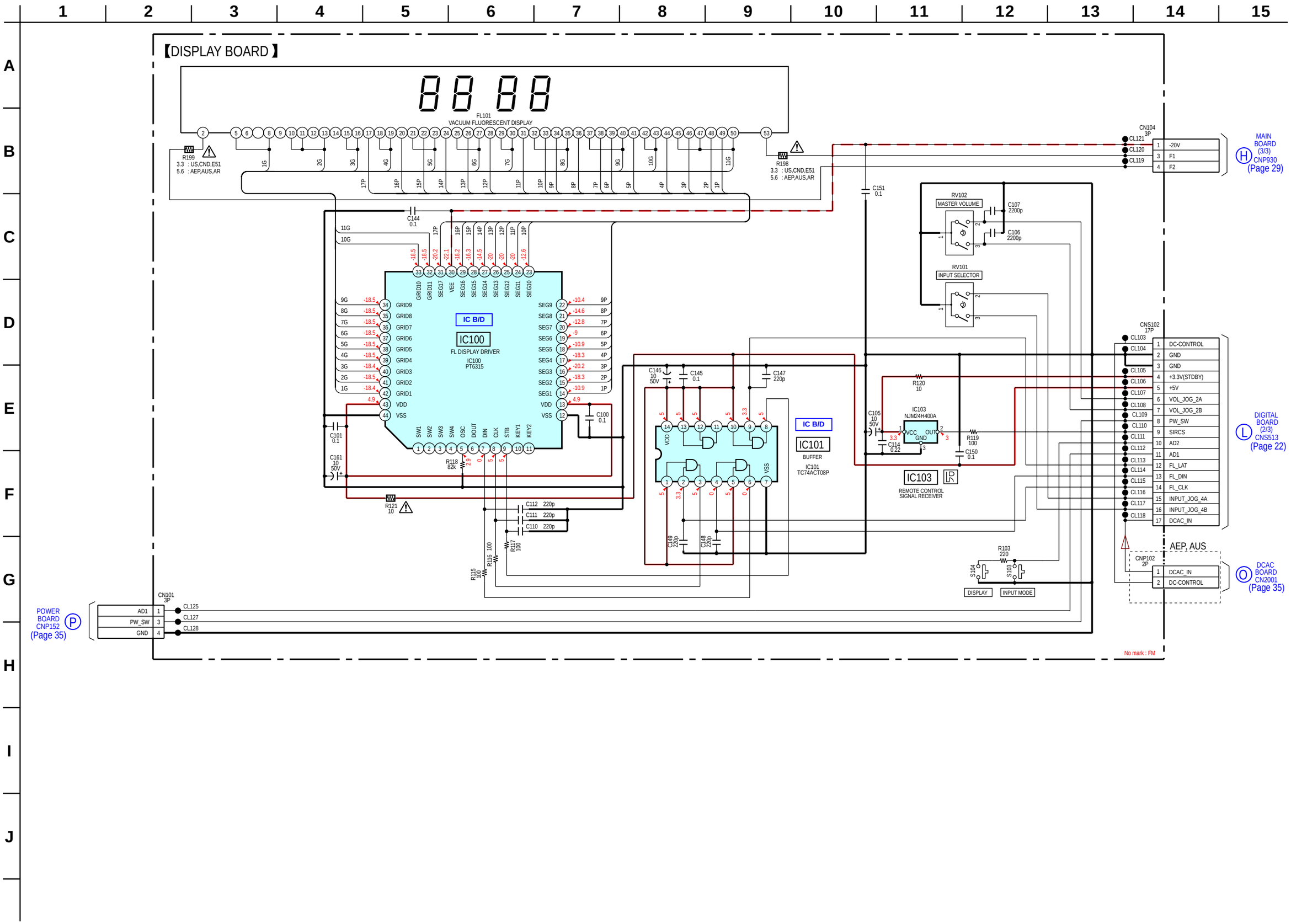
:Uses unleaded solder.

【DISPLAY BOARD】



4-16. SCHEMATIC DIAGRAM – DISPLAY BOARD –

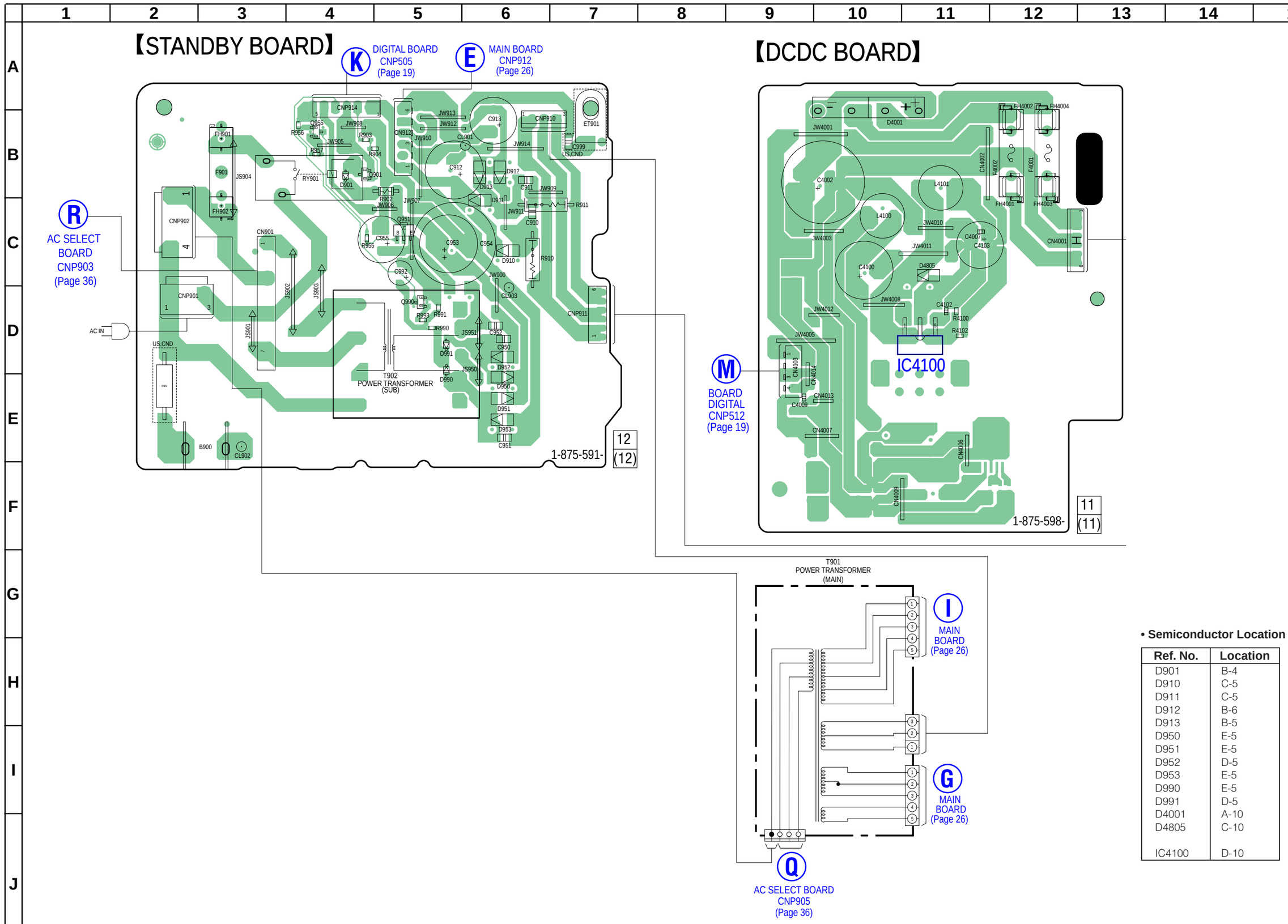
• See page 17 for Block Diagrams • See page 39 for IC Block Diagrams.



4-17. PRINTED WIRING BOARD – STANDBY BOARD –

• See page 15 for Circuit Boards Location

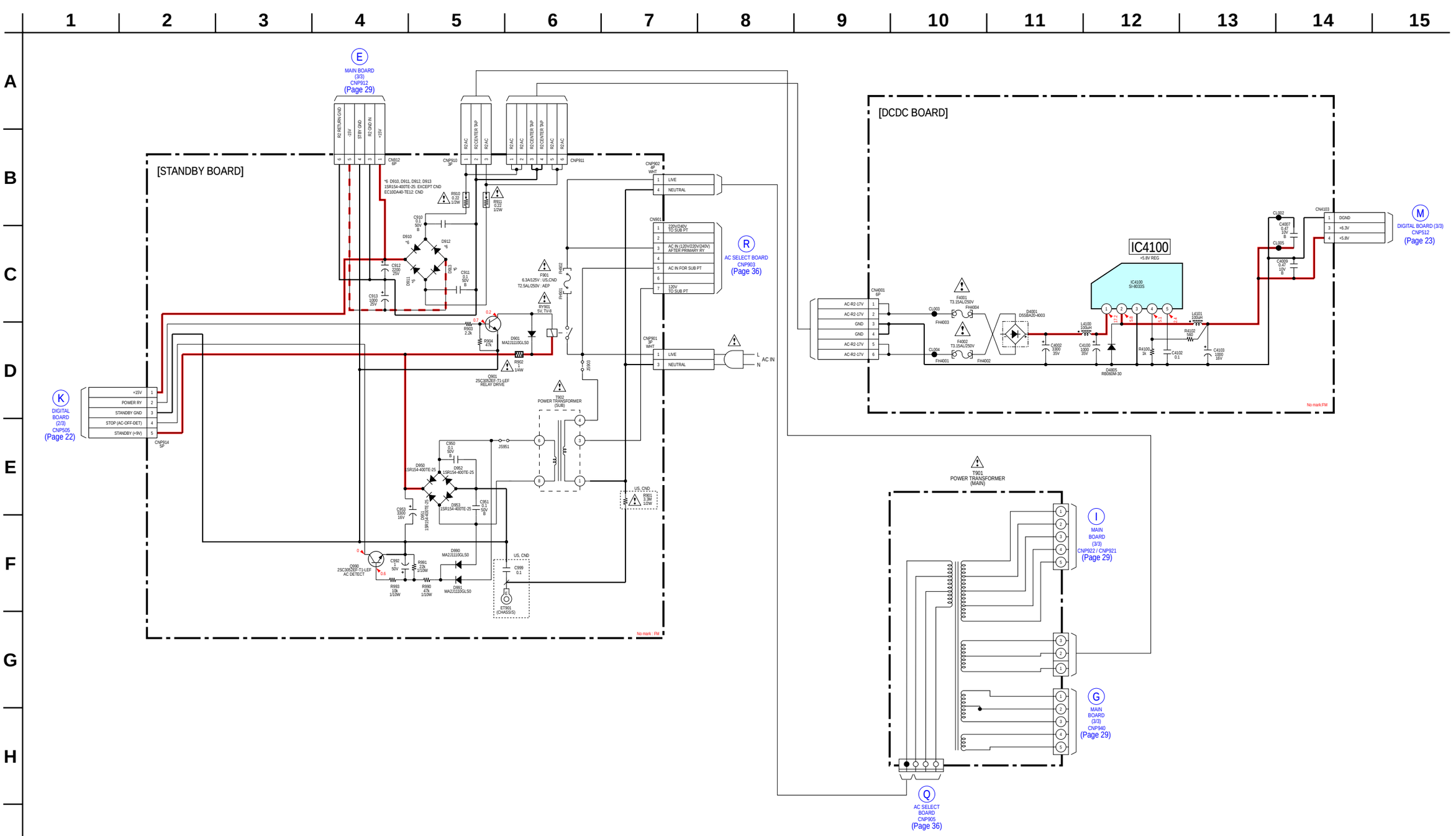
:Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D901	B-4
D910	C-5
D911	C-5
D912	B-6
D913	B-5
D950	E-5
D951	E-5
D952	D-5
D953	E-5
D990	E-5
D991	D-5
D4001	A-10
D4805	C-10
IC4100	D-10

4-18. SCHEMATIC DIAGRAM – STANDBY BOARD, DCDC BOARD –

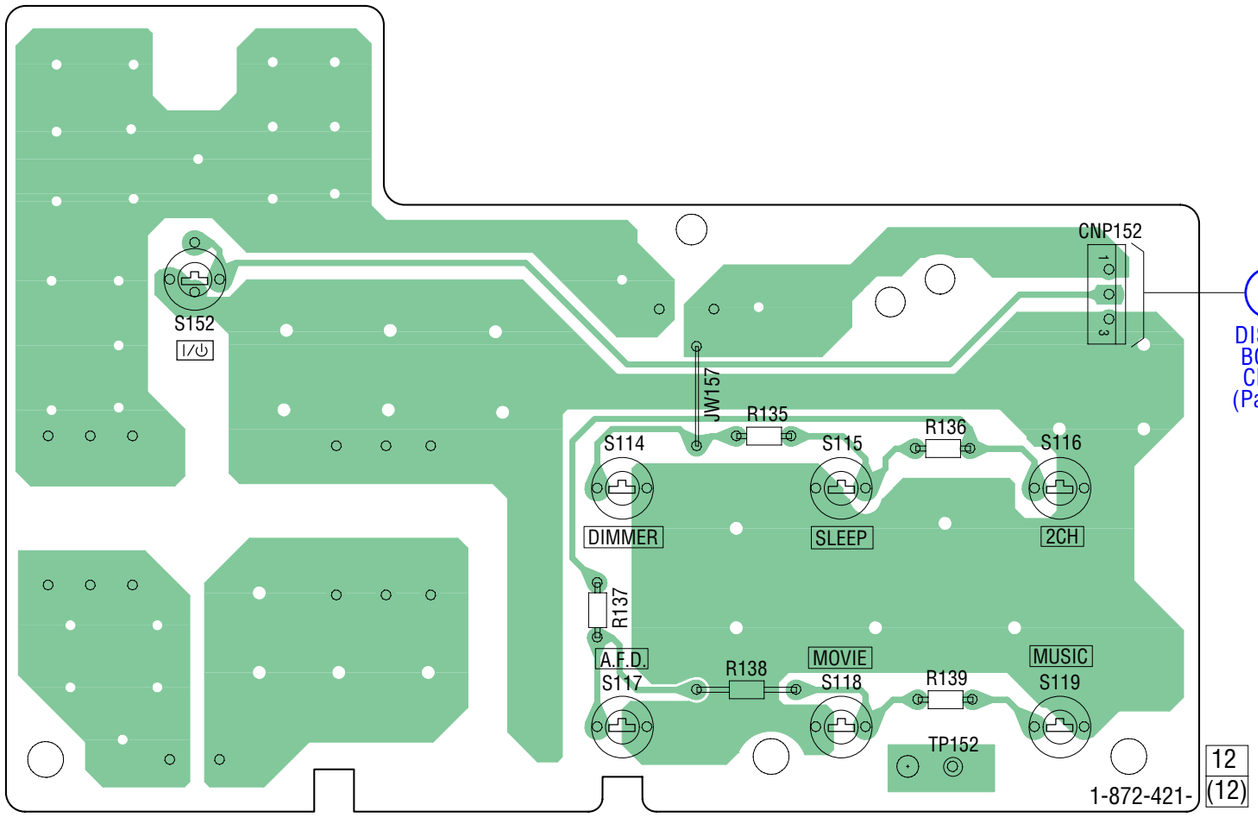


4-19. PRINTED WIRING BOARDS – POWER BOARD, DCAC BOARD, HEADPHONE BOARD –

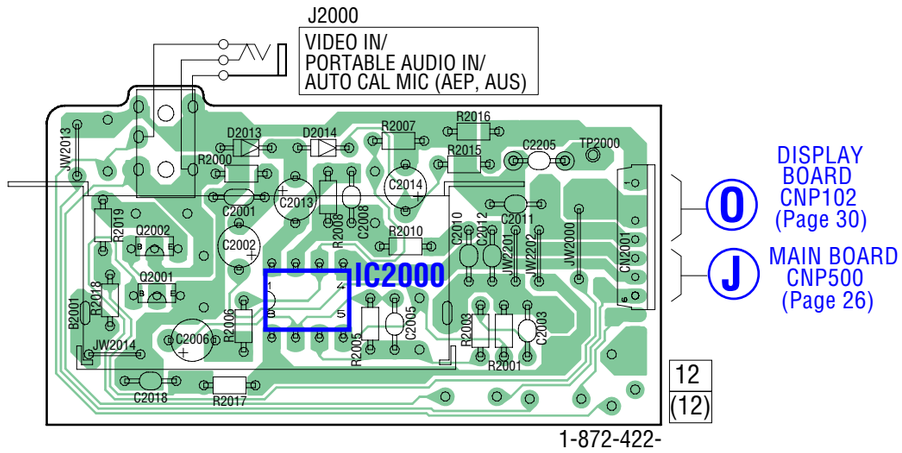
• See page 15 for Circuit Boards Location

:Uses unleaded solder.

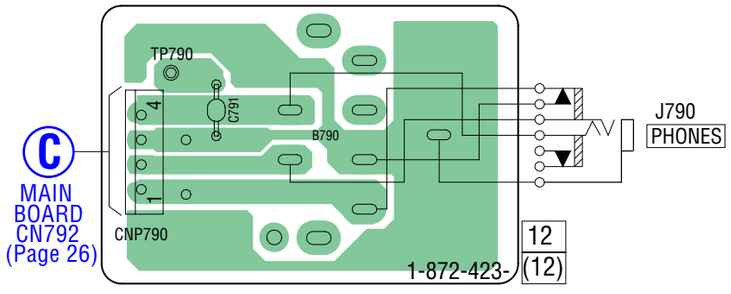
【POWER BOARD】



【DCAC BOARD】

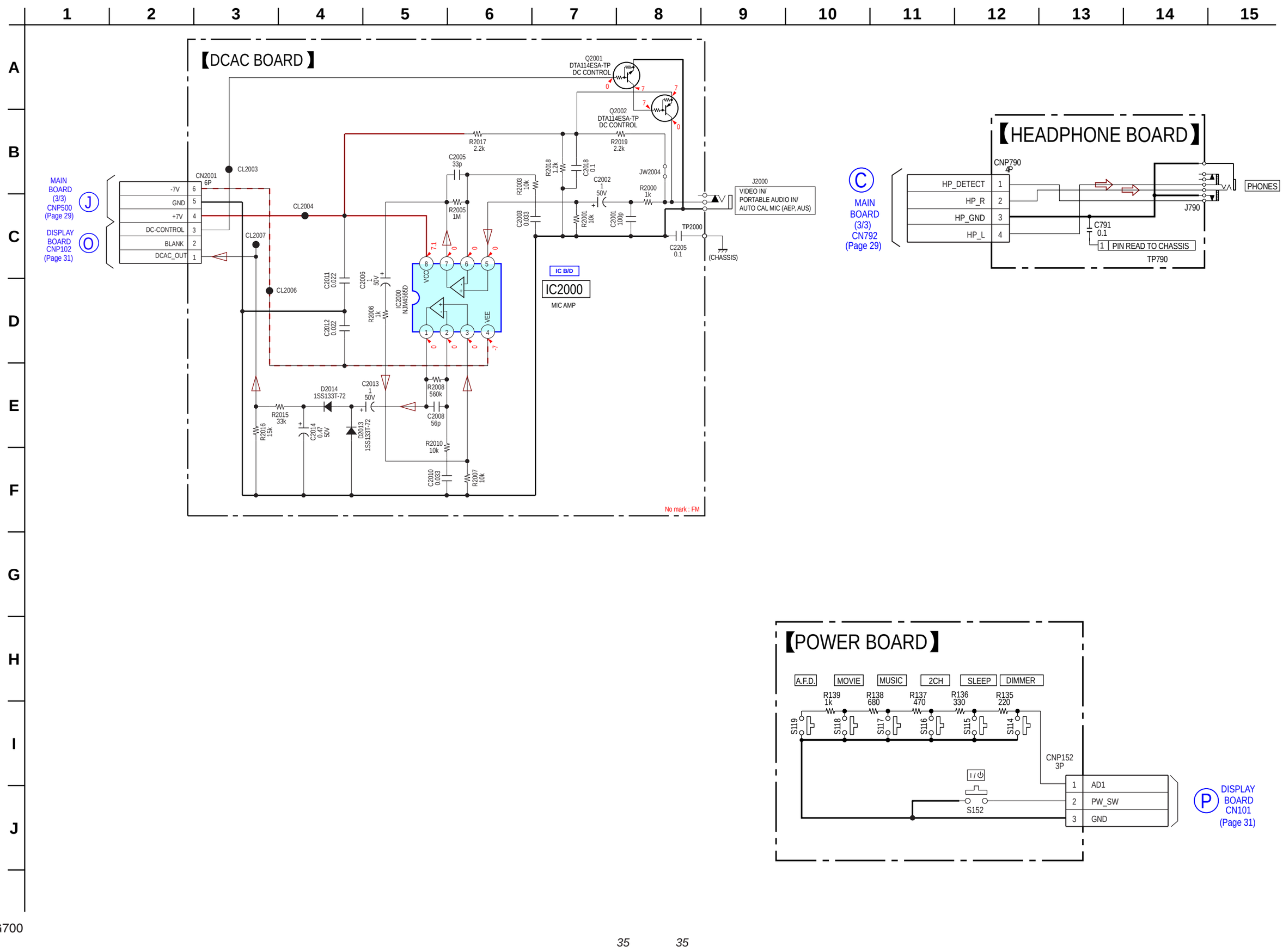


【HEADPHONE BOARD】



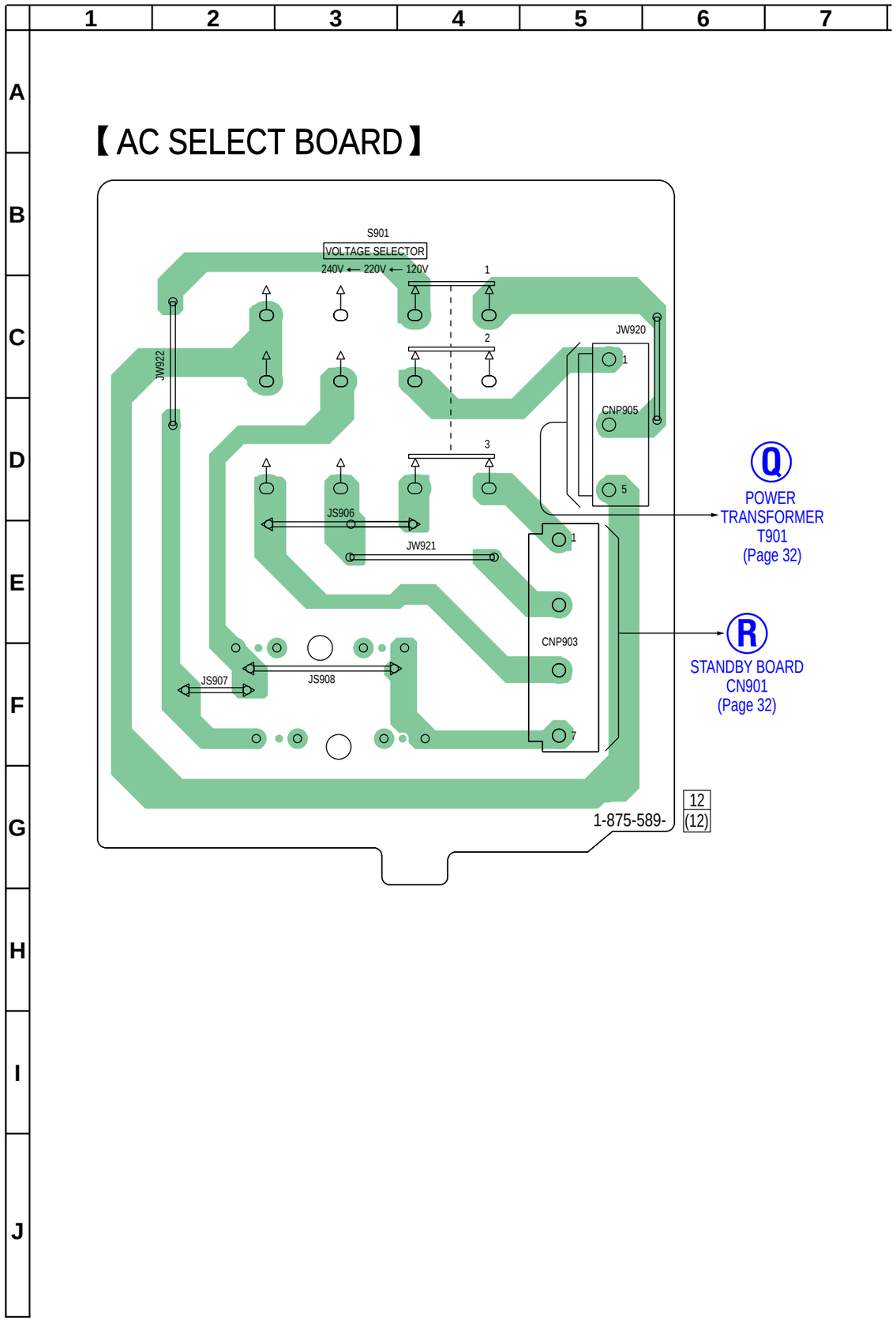
4-20. SCHEMATIC DIAGRAM – POWER BOARD, DCAC BOARD, HEADPHONE BOARD –

• See page 38 for IC Block Diagrams.

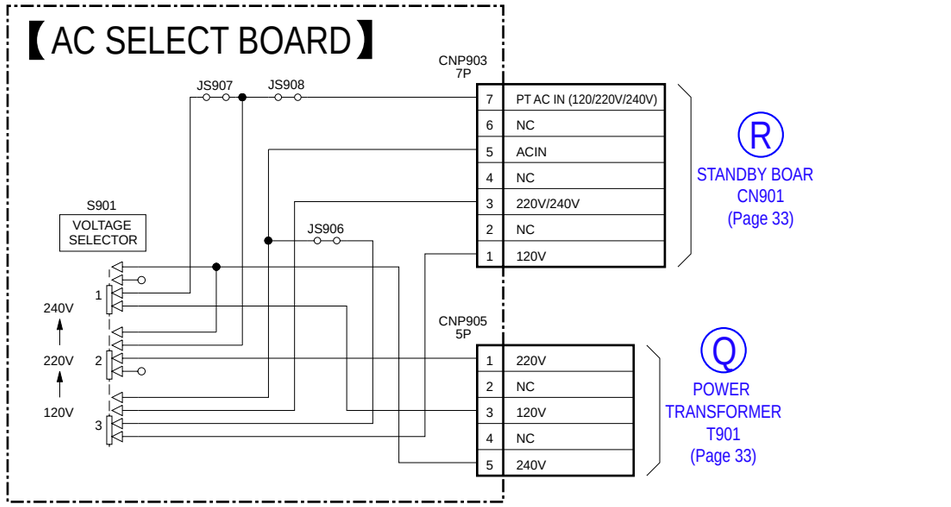


4-21. PRINTED WIRING BOARD – AC SELECT Board (Chilean and Peruvian models) –

• See page 15 for Circuit Boards Location : Uses unleaded solder

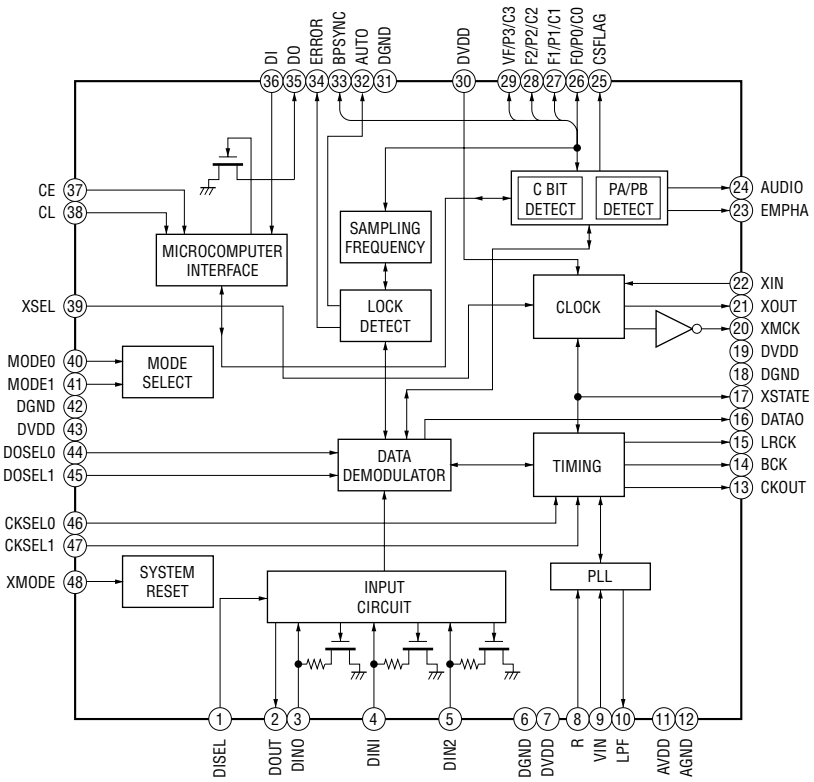


4-22. SCHEMATIC DIAGRAM – AC SELECT Board (Chilean and Peruvian models) –

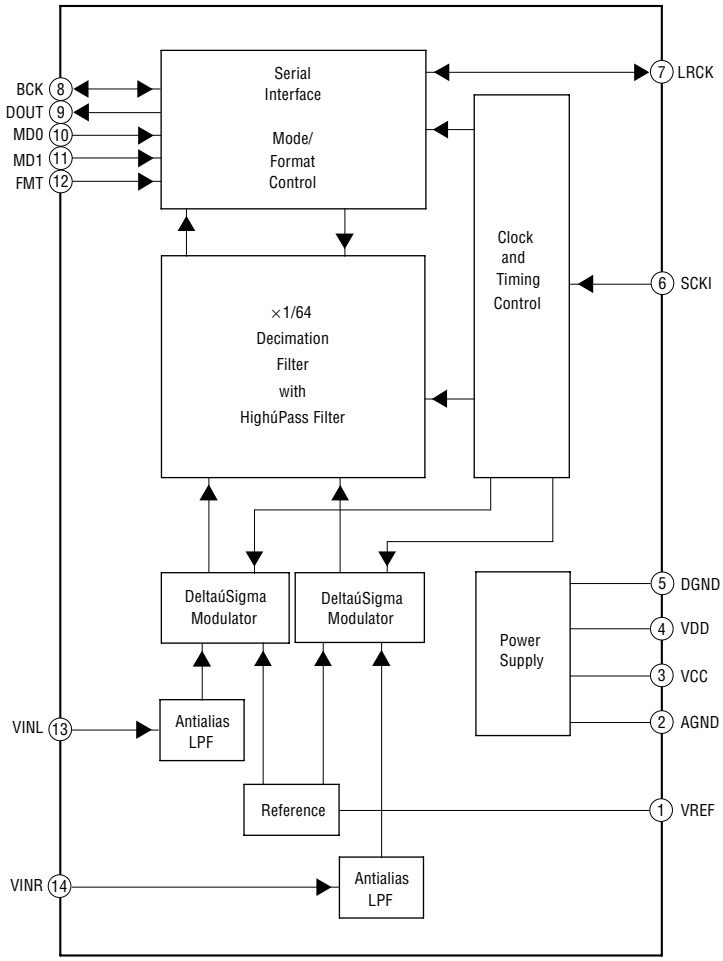


• **IC Block Diagrams**
– DIGITAL Board –

IC1301 LC89056W-E

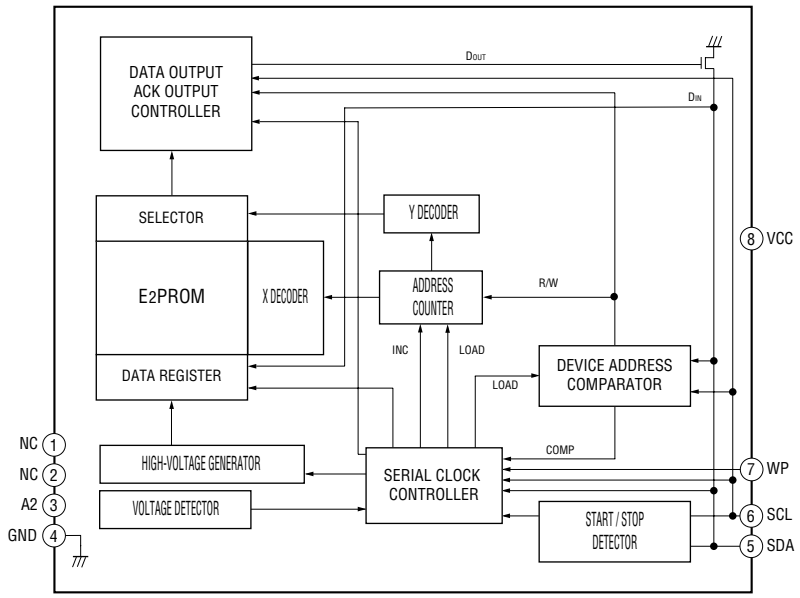


IC1401 PCM1808PWR

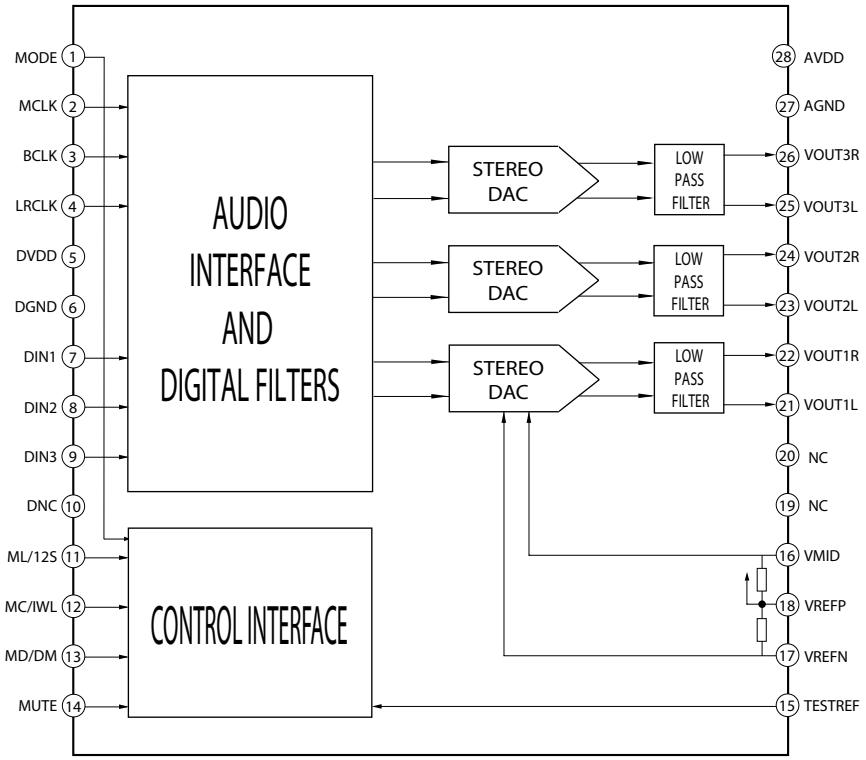


– DIGITAL Board –

IC1131 S-24CS16A01-J8T1G

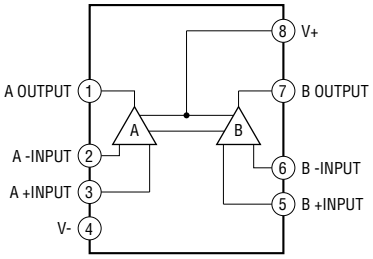


IC1452 WM8766GEDS/R



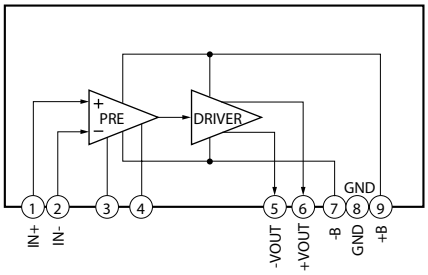
– DCAC Board –

IC2000 NJM4565D



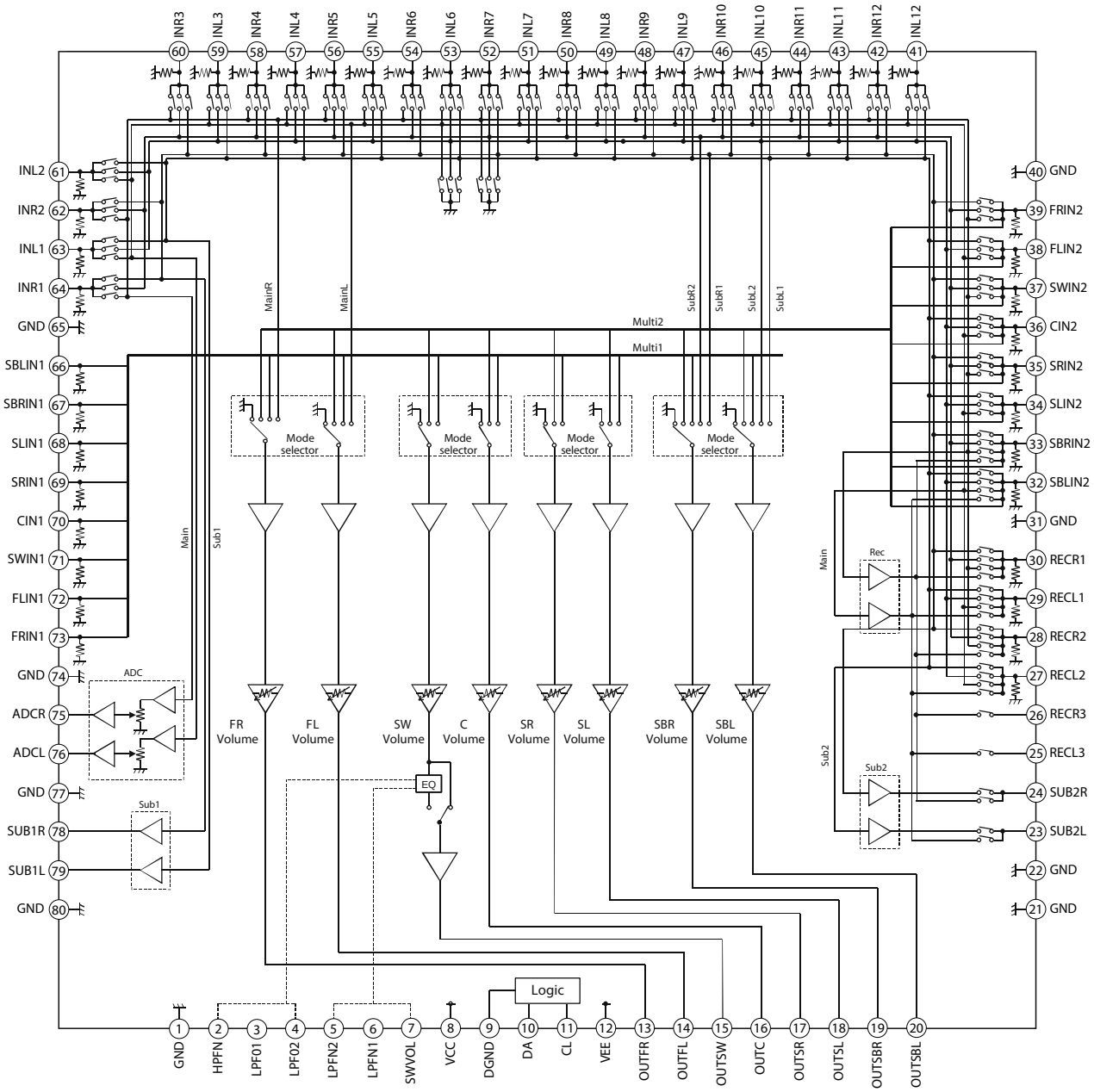
– MAIN Board –

IC601,701,801 STK350-530T-E



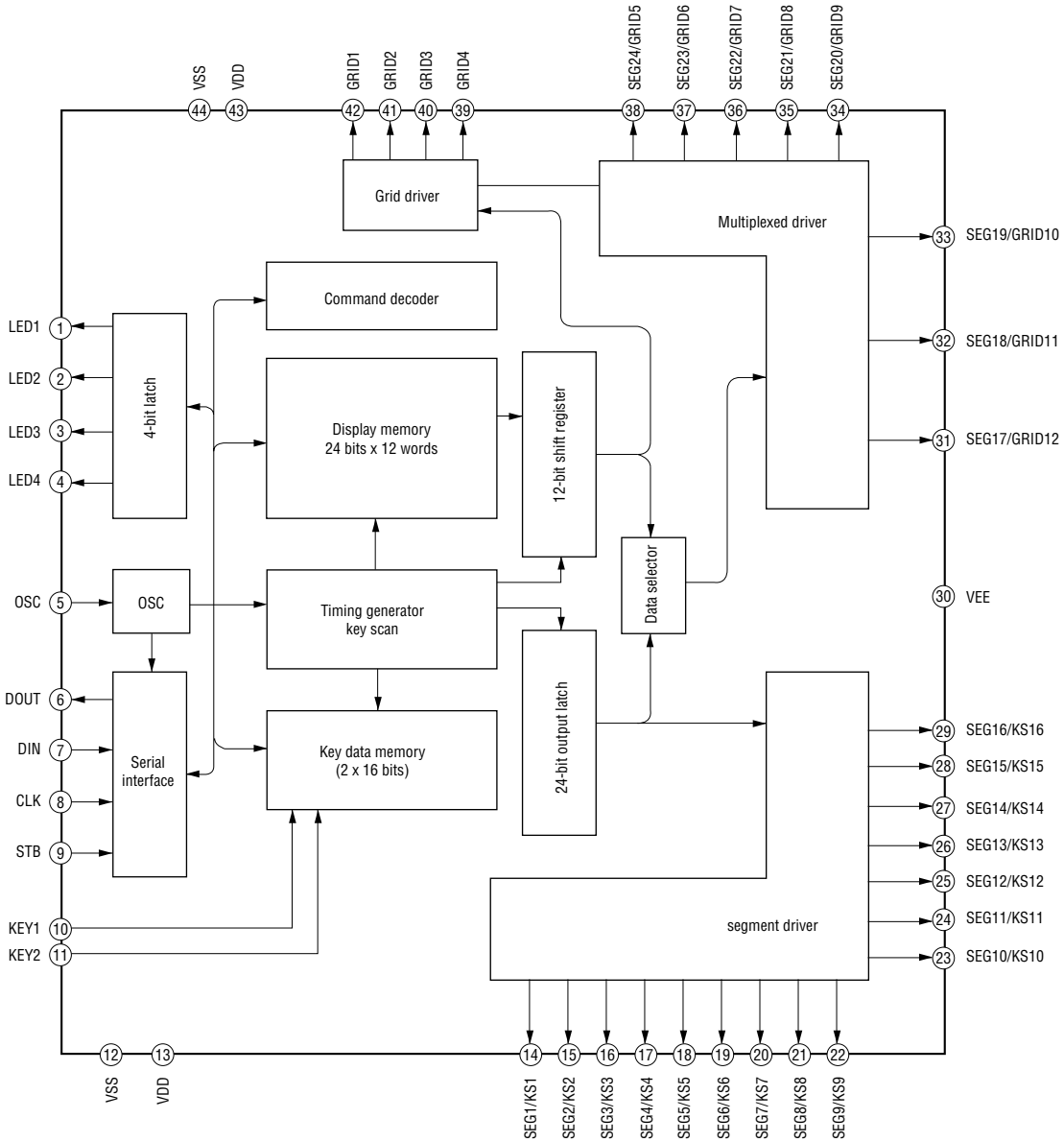
– MAIN Board –

IC400 BD3471KS2

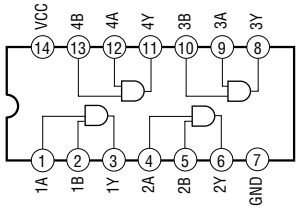


– DISPLAY Board –

IC100 PT6315

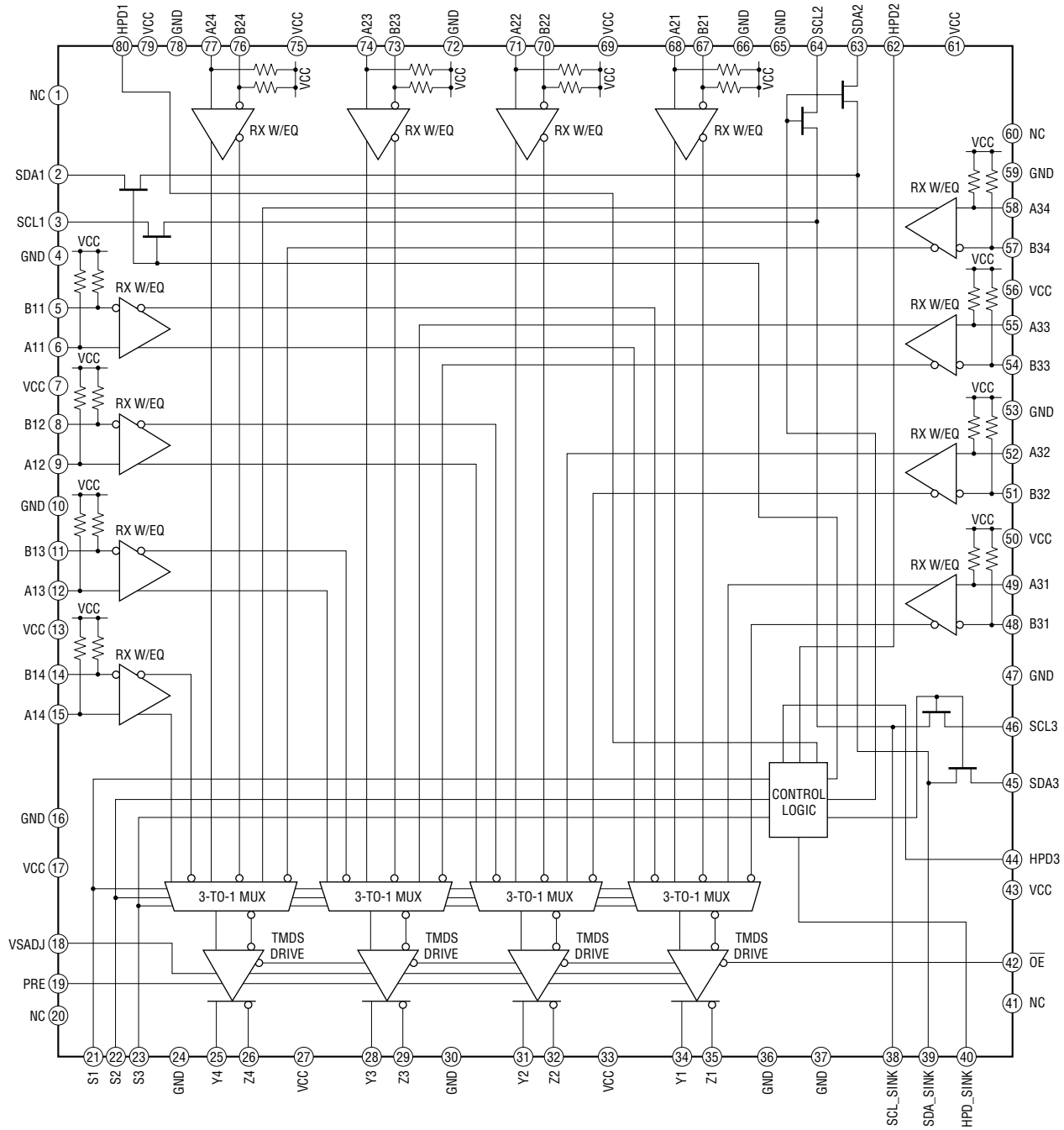


IC101 TC74ACT08P

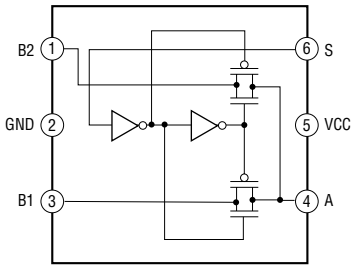


– HDMI SW Board –

IC5001 TMDS341PFCR



IC5005 SN74LVC1G3157DCKR



• **IC Pin Function Descriptions**

DIGITAL BOARD IC1101 MB90F046PF - G - 117E1 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Pin Description
1	DIR_DATA0	I	Audio data signal input from DIR
2	V_MUTE	O	Video signal muting signal output (not used)
3	COMP_S2	O	Composite video select 2 (not used)
4	COMP_S1	O	Composite video select 1 (not used)
5	V_SW1	O	Composite video signal select 1 (not used)
6	V_SW2	O	Composite video signal select 2 (not used)
7	V_SW3	O	Composite video signal select 3 (not used)
8	XRST	O	Reset signal output to DSP
9	V_SW4	O	Composite video signal select 4 (not used)
10	NC	O	Not used (Open)
11	VSS	—	Ground terminal
12	DAC ML	O	Latch signal output to DAC
13	DAC MC	O	Clock signal output to DAC
14	DAC MDI	O	IC data ouput to DAC
15	DAC MUTE	O	Muting port signal output to DAC
16	NC	O	Not used (Open)
17	NC	O	Not used (Open)
18	MISO	I	SPI master in slave out
19	MOSI	O	SPI master out slave in
20	DSP SPI CLK	O	Clock signal output to DSP
21	DSP SPIDS	O	SPI Slave Device Select
22	NC	O	Not used (Open)
23	Vcc5	—	Power Supply (+3.3v)
24	VOL_IC_DATA	O	Volume IC data and latch signal output
25	VOL_IC_CLK	O	Volume IC clock signal output
26	DMPORT_DET	I	DMPORT detect input
27	FLASH2/DMPORT_MICOM RX	I	for FLASH programming
28	FLASH1/DMPORT_MICOM TX	O	for FLASH programming
29	SDA	I	EEPROM data signal input terminal
30	SCL	O	EEPROM data signal output terminal
31	ENC_A	I	Input selector Encoder (A) signal output
32	ENC_B	I	Input selector Encoder (B) signal output
33	NC	O	Not used
34	HDMI SI	O	HDMI SI
35	AVCC	—	Analog power supply (+3.3v)
36	AVRH	—	Analog reference voltage input (+3.3v)
37	AVSS	—	Analog ground terminal
38	DCAC IN	I	DCAC signal input
39	A/D 1	I	Function key push signal input
40	A/D 2	I	Function key push signal input
41	VERSION	I	Version setting input terminal (DESTINATION)
42	VSS	—	Ground terminal
43	TUNER SD	I	RDS signal detect input (AEP only)
44	MODEL	I	MODEL select input
45	VACS CTRL (HT)	I	Vacs control input
46	NC	O	Stereo Subwoofer (Not used)
47	DSP INT	I	DSP interrupt input
48	STOP	I	AC off detect signal
49	MD0	—	Operation mode setting input
50	MD1	—	Operation mode setting input
51	MD2	—	Operation mode setting input
52	RDS_CLK	I	RDS clock signal input (AEP only)
53	RDS_DATA	I	RDS data signal input (AEP only)
54	SIRCS	I	Data signal input from the remote

Pin No.	Pin Name	I/O	Pin Description
55	HP DETECT	I	Headphone signal input
56	POWER KEY	I	Power switch key detect signal input
57	DCAC INTERRUPT	I	DCAC interrupt input
58	POWER RY	O	Power relay control signal output
59	TUNING A	I	Tuning encoder input (not used)
60	TUNING B	I	Tuning encoder input (not used)
61	PROTECTOR	I	Protector status detect signal input
62	HP_RY	O	Headphone relay control signal output
63	FUSE_DETECT	I	Fuse detect signal input
64	VOL ENCODER (B) - UP	I	Volume signal input from rotary encoder
65	VOL ENCODER (A) - DOWN	I	Volume signal input from rotary encoder
66	C/ SW/ REAR/ SB RY	O	Center, sub woofer, rear, surround back speaker control signal output
67	FRONT A/ ST SW RY	O	Front Relay
68	DC-CONTROL	O	Center spearker relay control signal output
69	PRE-OUT SW RY	O	Active sub woofer control signal output
70	FRONT A RY	O	Front A speaker relay control signal output (Active SW model only)
71	NC	O	Not used (Open)
72	Bridge Relay	O	Not used (Open)
73	NC	I	Not used (Open)
74	FL_CLK	O	FL driver clock signal output terminal
75	FL_DATA	O	FL driver data signal output terminal
76	FL_LAT	O	FL driver latch signal output
77	RSTX	I	System reset input
78	NC	O	Not used (Open)
79	X1A	—	Not used (Open)
80	X0A	—	Not used (Ground)
81	Vss	—	Ground terminal
82	X0	—	Connection for a crystal resonator
83	X1	—	Connection for a crystal resonator
84	Vcc3	—	Power Supply (+3.3v)
85	HDMI PRE	O	HDMI +5.8v supply control (AEP only)
86	HDMI OEB	O	HDMI reset pin (AEP only)
87	HDMI CTL	O	HDMI +5v supply control (AEP only)
88	HDMI_DET	I	HDMI Detect input (AEP only)
89	TUNER IN	I	Frequency data signal input from the tuner
90	TUNER_CLK	O	Tuner clock signal output
91	TUNER_DATA	O	Tuner data signal output
92	SLATCH	O	Latch signal output to tuner
93	DIR_XMODE	O	Reset signal output to DIR
94	DIR_CKSEL 1	O	CKSEL control signal output to DIR
95	DIR_CLK	O	Clock signal output to DIR
96	DIR_CE	O	Chip enable signal output to DIR
97	DIR_DI	O	Data signal input to DIR
98	DIR_DO	I	Data signal output from DIR
99	DIR_ERROR	I	PLL error muting signal input from DIR
100	DIR_XSTATE	I	XSTATE data signal input from DIR

DIGITAL BOARD IC1501 IC ADSST-AVR-1115

Pin No.	Pin Name	I/O	Pin Description
1	V_{DDINT}	—	Power supply terminal (+1.2V)
2	CLKCFG0	I	Clock frequency setting terminal
3	CLKCFG1	I	Clock frequency setting terminal
4	BOOTCFG0	I	Boot mode setting terminal for DSP
5	BOOTCFG1	I	Boot mode setting terminal for DSP
6	GND	—	Ground terminal
7	V_{DDEXT}	—	Power supply terminal (+3.3V)
8	GND	—	Ground terminal
9	V_{DDINT}	—	Power supply terminal (+1.2V)
10	GND	—	Ground terminal
11	V_{DDINT}	—	Power supply terminal (+1.2V)
12	GND	—	Ground terminal
13	V_{DDINT}	—	Power supply terminal (+1.2V)
14	GND	—	Ground terminal
15	FLAG0	O	Interrupt status output to the main system controller
16	FLAG1	I	PLL lock error signal and data error flag
17	AD7	I/O	Not used (Open)
18	GND	—	Ground terminal
19	V_{DDINT}	—	Power supply terminal (+1.2V)
20	GND	—	Ground terminal
21	V_{DDEXT}	—	Power supply terminal (+3.3V)
22	GND	—	Ground terminal
23	V_{DDINT}	—	Power supply terminal (+1.2V)
24	AD6	I/O	Not used (Open)
25	AD5	I/O	Not used (Open)
26	AD4	I/O	Not used (Open)
27	V_{DDINT}	—	Power supply terminal (+1.2V)
28	GND	—	Ground terminal
29	AD3	I/O	Not used (Open)
30	AD2	I/O	Not used (Open)
31	V_{DDEXT}	—	Power supply terminal (+3.3V)
32	GND	—	Ground terminal
33	AD1	I/O	Not used (Open)
34	AD0	I/O	Not used (Open)
35	WR	O	Not used (Open)
36	V_{DDINT}	—	Power supply terminal (+1.2V)
37	V_{DDINT}	—	Power supply terminal (+1.2V)
38	GND	—	Ground terminal
39	RD	O	Not used (Open)
40	ALE	O	Not used (Open)
41	AD15	I/O	Not used (Open)
42	AD14	I/O	Not used (Open)
43	AD13	I/O	Not used (Open)
44	GND	—	Ground terminal
45	V_{DDEXT}	—	Power supply terminal (+3.3V)
46	AD12	I/O	Not used (Open)
47	V_{DDINT}	—	Power supply terminal (+1.2V)
48	GND	—	Ground terminal
49	AD11	I/O	Not used (Open)
50	AD10	I/O	Not used (Open)
51	AD9	I/O	Not used (Open)
52	AD8	I/O	Not used (Open)
53	A16 DAI_PI	I/O	Not used (Open)
54	V_{DDINT}	—	Power supply terminal (+1.2V)

Pin No.	Pin Name	I/O	Pin Description
55	GND	—	Ground terminal
56	A17 DAI_P2	O	Address signal output to S-RAM
57	A18 DAI_P3	O	Address signal output to S-RAM
58	GND	—	Ground terminal
59	V_{DDEXT}	—	Power supply terminal (+3.3V)
60	V_{DDINT}	—	Power supply terminal (+1.2V)
61	GND	—	Ground terminal
62	PF_CE DAI_P4	I/O	Chip enable signal input/ output terminal
63	SPI_MAS DAI_P5	O	Master/ slave selection signal output
64	DPSOA DAI_P6(L&R)	O	PCM audio signal output terminal
65	DPSOB DAI_P7(SL&SR)	O	PCM audio signal output terminal
66	V_{DDINT}	—	Power supply terminal (+1.2V)
67	GND	—	Ground terminal
68	V_{DDINT}	—	Power supply terminal (+1.2V)
69	GND	—	Ground terminal
70	DSPOC DAI_P8(C&SW)	O	PCM audio signal output terminal
71	DSPOD DAI_P9(SBL&SBR)	O	PCM audio signal output terminal
72	V_{DDINT}	—	Power supply terminal (+1.2V)
73	V_{DDEXT}	—	Power supply terminal (+3.3V)
74	GND	—	Ground terminal
75	V_{DDINT}	—	Power supply terminal (+1.2V)
76	GND	—	Ground terminal
77	DAI_P10 DPSOE	O	PCM audio signal output terminal
78	DAI_P11 DPSIA	I	PCM audio signal (digital input) input terminal
79	DAI_P12 DPSIB	I	PCM audio signal input terminal from the A/D converter
80	DAI_P13 DPSIC	O	PCM audio signal output terminal
81	DAI_P14 DPSID	O	PCM audio signal output terminal
82	DAI_P15 DPSIE	O	PCM audio signal output terminal
83	V_{DDINT}	—	Power supply terminal (+1.2V)
84	GND	—	Ground terminal
85	GND	—	Ground terminal
86	DAI_P16 DPDVLRCK (LRCK OUT)	O	Sampling clock singal output terminal for PCM audio signal output
87	DAI_P17 DPDVBCK (BCK OUT)	O	Bit clock signal output terminal for PCM audio signal ouput
88	DAI_P18 DPLRCK(LRCK IN)	I	Sampling clock signal input terminal for PCM audio signal input
89	DAI_P19 DPBCK(BCK IN)	I	Bit clcok signal input terminal for PCM audio signal input
90	V_{DDINT}	—	Power supply terminal (+1.2V)
91	GND	—	Ground terminal
92	GND	—	Ground terminal
93	V_{DDEXT}	—	Power supply terminal (+3.3V)
94	DAI_P20 DPFSCK	I	Master clock signal input terminal
95	GND	—	Ground terminal
96	V_{DDINT}	—	Power supply terminal (+1.2V)
97	FLAG2 NONAUDIO*	I	Digital input signal switch control signal input terminal
98	FLAG3 SF_CE*	O	Chip enable signal output to the flash memory
99	V_{DDINT}	—	Power supply terminal (+1.2V)
100	GND	—	Ground terminal
101	V_{DDINT}	—	Power supply terminal (+1.2V)
102	GND	—	Ground terminal
103	V_{DDINT}	—	Power supply terminal (+1.2V)
104	GND	—	Ground terminal
105	V_{DDINT}	—	Power supply terminal (+1.2V)
106	GND	—	Ground terminal
107	V_{DDINT}	—	Power supply terminal (+1.2V)
108	V_{DDINT}	—	Power supply terminal (+1.2V)
109	GND	—	Ground terminal
110	V_{DDINT}	—	Power supply terminal (+1.2V)

Pin No.	Pin Name	I/O	Pin Description
111	GND	—	Ground terminal
112	V_{DDINT}	—	Power supply terminal (+1.2V)
113	GND	—	Ground terminal
114	V_{DDINT}	—	Power supply terminal (+1.2V)
115	GND	—	Ground terminal
116	V_{DDEXT}	—	Power supply terminal (+3.3V)
117	GND	—	Ground terminal
118	V_{DDINT}	—	Power supply terminal (+1.2V)
119	GND	—	Ground terminal
120	V_{DDINT}	—	Power supply terminal (+1.2V)
121	RESET	I	System reset signal input to the main system controller
122	SPIDS	I	Serial data transfer clock signal input/output to the main system controller
123	GND	—	Ground terminal
124	V_{DDINT}	—	Power supply terminal (+1.2V)
125	SPICLK	I/O	Serial data transfer clock signal input/output with the flash memory
126	MISO	I/O	“When DSP is mater: Serial data input to the from the flash memory When DSP is slave: Serial data output to the main system controller”
127	MOSI	I/O	“When DSP is mater: Serial data output to the from the flash memory When DSP is slave: Serial data input to the main system controller”
128	GND	—	Ground terminal
129	V_{DDINT}	—	Power supply terminal (+1.2V)
130	V_{DDEXT}	—	Power supply terminal (+3.3V)
131	A_{VDD}	—	Power supply terminal (+1.2V)
132	A_{VSS}	—	Ground terminal
133	GND	—	Ground terminal
134	CLKOUT	I	System clock output terminal
135	EMU	O	Emulation output terminal
136	TDO	O	Test data output terminal
137	TDI	I	Test data input terminal
138	TRST	I	Test data reset terminal
139	TCK	I	Test clock input terminal
140	TMS	I	Test mode selection terminal
141	GND	—	Ground terminal
142	CLKIN	I	System clock input terminal
143	XTAL	O	system clock output terminal
144	V_{DDEXT}	—	Power supply terminal (+3.3V)

SECTION 5
EXPLODED VIEWS

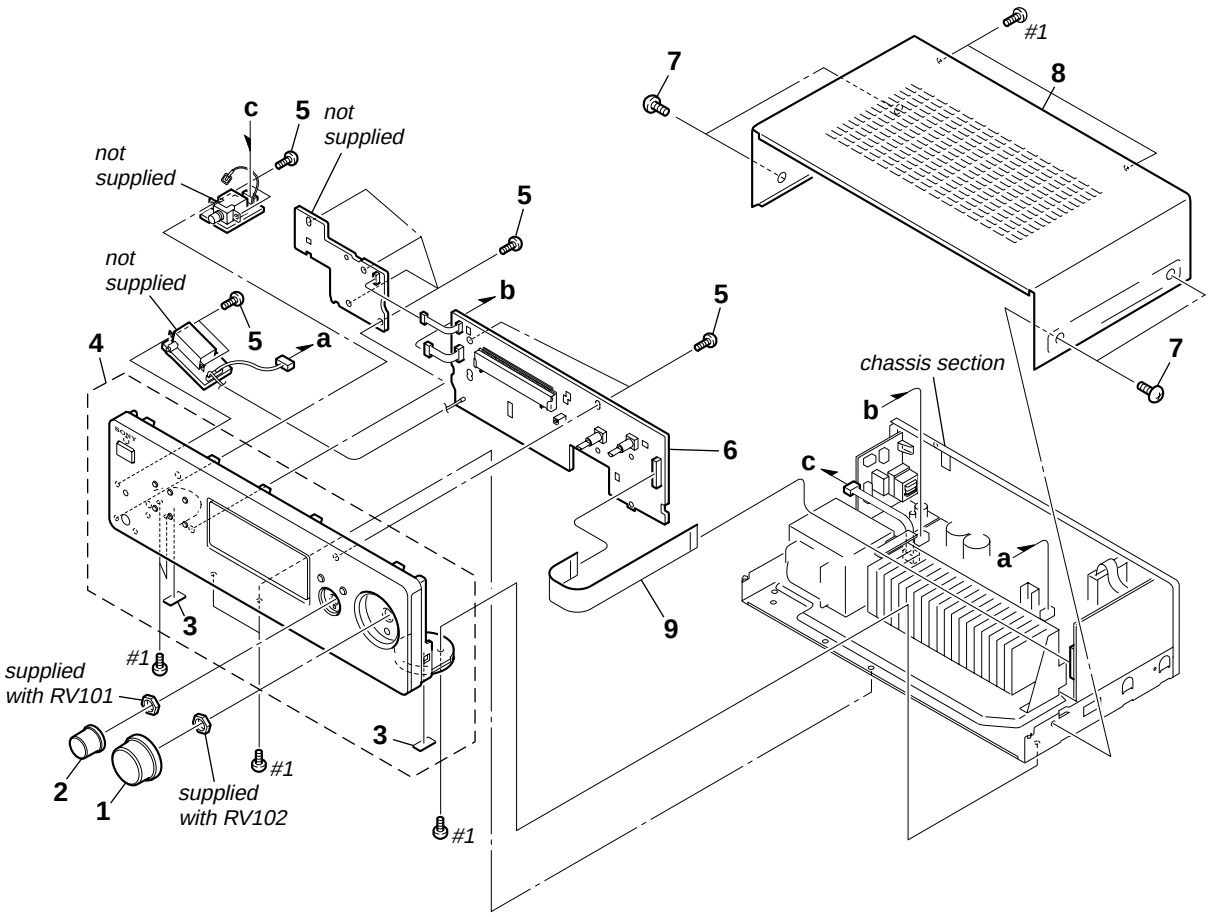
Note:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  CND : Canadian model
  AR : Argentina model
  AUS : Australian model
  E51 : Chilean and Peruvian model

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

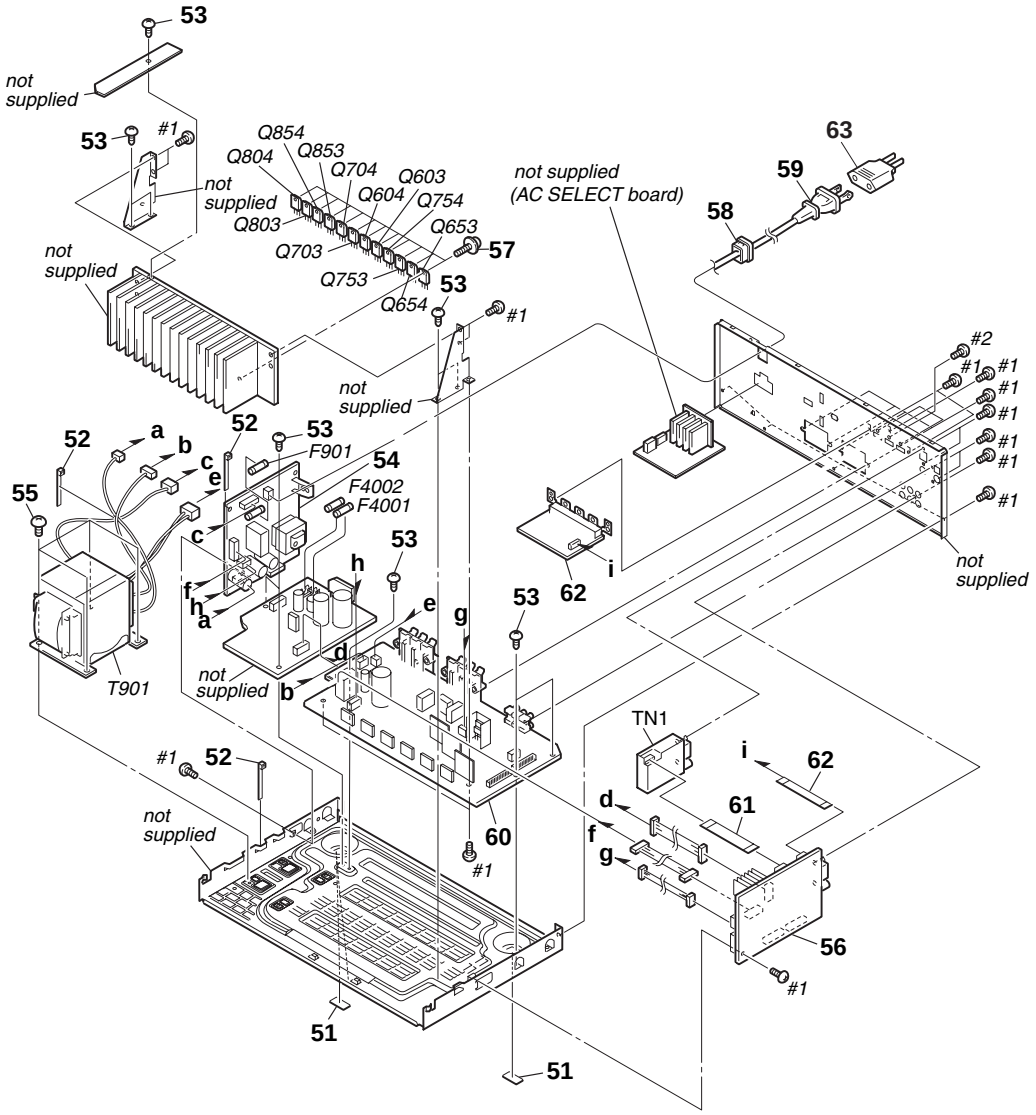
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. CASE (FRONT) SECTION



Ref. No.	Part No.	Description	Remark
1	2-661-142-01	VOLUME KNOB (EXCEPT AEP)	
1	2-661-142-21	VOLUME KNOB (AEP)	
2	2-661-141-01	MENU KNOB (EXCEPT AEP)	
2	2-661-141-21	MENU KNOB (AEP)	
3	4-977-358-11	CUSHION	
4	X-2187-465-1	FRONT PANEL ASSY (US)	
4	X-2187-466-1	FRONT PANEL ASSY (CND)	
4	X-2187-467-1	FRONT PANEL ASSY (AEP)	
4	X-2345-593-1	FRONT PANEL ASSY (AUS)	
4	X-2349-285-1	FRONT PANEL ASSY (E51, AR)	
5	3-087-053-01	+BVTP2.6(3CR)	
6	A-1382-589-A	DISPLAY BOARD, COMPLETE (US, CND)	
6	A-1382-590-A	DISPLAY BOARD, COMPLETE (AEP, AUS)	
7	2-580-630-01	SCREW, +BVST 4X8 (EXCEPT AEP)	
7	7-685-881-04	SCREW, +BVTT 4X8 (S) (AEP)	
8	2-662-472-61	CASE (AEP)	
8	2-662-472-81	CASE (EXCEPT AEP)	
9	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	

5-2. CASE (REAR) SECTION



Ref. No.	Part No.	Description	Remark
51	4-977-358-01	CUSHION	
52	3-701-748-00	CLAMP	
53	3-077-331-21	+BV3 (3-CR)	
54	A-1382-579-A	STANDBY BOARD, COMPLETE (US)	
54	A-1544-087-A	STANDBY BOARD, COMPLETE (CND)	
54	A-1382-580-A	STANDBY BOARD, COMPLETE (AEP, AUS)	
55	4-249-675-01	+BV SUMITITE 4X6 ROUND	
* 56	A-1444-789-A	DIGITAL BOARD, COMPLETE (US, CND)	
56	A-1444-790-A	DIGITAL BOARD, COMPLETE (AEP)	
56	A-1700-453-A	DIGITAL BOARD, COMPLETE (AUS)	
57	3-905-609-01	SCREW (TRANSISTOR)	
58	4-966-267-12	BUSHING (FBS001), CORD	
⚠59	1-783-820-11	CORD, POWER (US, CND)	
⚠59	1-777-071-83	CORD, POWER (AEP, E51)	
⚠59	1-829-387-11	CORD, POWER (AR)	
⚠59	1-833-566-21	POWER SUPPLY CORD (AUS)	
60	A-1382-577-A	MAIN BOARD, COMPLETE (US, CND)	
60	A-1382-578-A	MAIN BOARD, COMPLETE (AEP, AUS)	
61	1-828-951-11	WIRE (FLAT TYPE) (9 CORE) (EXCEPT AEP)	
61	1-828-961-51	WIRE (FLAT TYPE) (11 CORE) (AEP)	
62	A-1519-237-A	HDMI SW PCBOARD BOARD, COMPLETE (AEP, AUS)	
63	1-569-008-33	ADAPTER, CONVERSION 2P (E51)	

Ref. No.	Part No.	Description	Remark
⚠F901	1-533-452-12	FUSE, GLASS TUBE (DIA. 5) (4A/125V) (US, CND)	
⚠F901	1-532-464-33	FUSE (T2.5AL/250V) (AEP, AUS, AR, E51)	
⚠F4001	1-532-465-33	FUSE (T3.15A/250V)	
⚠F4002	1-532-465-33	FUSE (T3.15A/250V)	
⚠Q603	6-702-390-01	IC MN2488-OPY-MK	
⚠Q604	6-702-391-01	IC MP1620-OPY-MK	
⚠Q653	6-702-390-01	IC MN2488-OPY-MK	
⚠Q654	6-702-391-01	IC MP1620-OPY-MK	
⚠Q703	6-702-390-01	IC MN2488-OPY-MK	
⚠Q704	6-702-391-01	IC MP1620-OPY-MK	
⚠Q753	6-702-390-01	IC MN2488-OPY-MK	
⚠Q754	6-702-391-01	IC MP1620-OPY-MK	
⚠Q803	6-702-390-01	IC MN2488-OPY-MK	
⚠Q804	6-702-391-01	IC MP1620-OPY-MK	
⚠Q853	6-702-390-01	IC MN2488-OPY-MK	
⚠Q854	6-702-391-01	IC MP1620-OPY-MK	
⚠T901	1-443-526-11	POWER TRANSFORMER (E51)	
⚠T901	1-443-909-11	POWER TRANSFORMER (US, CND)	
⚠T901	1-443-916-11	POWER TRANSFORMER (AEP, AUS, AR)	
TN1	1-693-733-31	TUNER (FM/AM) (US, CND, E51)	
TN1	1-693-735-21	TUNER (FM/AM) (AR, AUS)	
TN1	1-693-736-21	TUNER (FM/AM) (AEP)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-S	
#2	7-685-871-01	SCREW +BVTT 3X6 (S) (AEP, AUS)	

SECTION 6
ELECTRICAL PARTS LIST

Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .
- Accessories are given in the last of this parts list.
- Abbreviation
  AR : Argentina model
  AUS : Australian model
  CND : Canadian model
  E51 : Chilean and Peruvian model

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

Ref. No.	Part No.	Description	Remark
		AC SELECT	
		**********	
		<CONNECTOR>	
CNP903	1-568-106-11	PIN, CONNECTOR (3.96MM PITCH) 4P (E51)	
* CNP905	1-564-687-11	PIN, CONNECTOR (3.96MM PITCH) 3P (E51)	
		<SWITCH>	
S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (E51)	
**********			
		DCAC BOARD	
		**********	
		< CAPACITOR >	
C2001	1-162-282-31	CERAMIC 100PF 10% 50V	(EXCEPT CND)
C2002	1-126-160-11	ELECT 1uF 20% 50V	(EXCEPT CND)
C2003	1-127-882-31	CERAMIC 0.033uF 10% 50V	(EXCEPT CND)
C2005	1-128-803-11	CERAMIC 33PF 5% 50V	(EXCEPT CND)
C2006	1-126-160-11	ELECT 1uF 20% 50V	(EXCEPT CND)
C2008	1-128-806-11	CERAMIC 56PF 5% 50V	(EXCEPT CND)
C2010	1-127-882-31	CERAMIC 0.033uF 10% 50V	(EXCEPT CND)
C2011	1-127-880-11	CERAMIC 0.022uF 10% 50V	(EXCEPT CND)
C2012	1-127-880-11	CERAMIC 0.022uF 10% 50V	(EXCEPT CND)
C2013	1-126-160-11	ELECT 1uF 20% 50V	(EXCEPT CND)
C2014	1-124-465-00	ELECT 0.47uF 20% 50V	(EXCEPT CND)
C2018	1-127-888-11	CERAMIC 0.1uF 10% 50V	(EXCEPT CND)
C2205	1-127-888-11	CERAMIC 0.1uF 10% 50V	
		< DIODE >	
D2013	6-502-734-01	DIODE HSS41487A-EQ (EXCEPT CND)	
D2014	6-502-734-01	DIODE HSS41487A-EQ (EXCEPT CND)	
		< IC >	
IC2000	8-759-167-88	IC NJM4565D (EXCEPT CND)	

Ref. No.	Part No.	Description	Remark
		< JACK >	
J2000	1-820-056-21	SMALL TYPE JACK (3.5MM) (VIDEO IN/PORTABLE AUDIO IN) (US, CND)	
J2000	1-820-056-21	SMALL TYPE JACK (3.5MM) (VIDEO IN/PORTABLE AUDIO IN/AUTO CAL MIC) (AEP, AUS, E51, AR)	
		< TRANSISTOR >	
Q2001	8-729-030-03	TRANSISTOR DTC144ESA-TP (EXCEPT CND)	
Q2002	8-729-029-21	TRANSISTOR DTA114ESA-TP (EXCEPT CND)	
		< RESISTOR >	
R2000	1-247-831-91	CARBON 1K 5% 1/4W	(EXCEPT CND)
R2001	1-249-429-11	CARBON 10K 5% 1/4W	(EXCEPT CND)
R2003	1-249-429-11	CARBON 10K 5% 1/4W	(EXCEPT CND)
R2005	1-247-903-00	CARBON 1M 5% 1/4W	(EXCEPT CND)
R2006	1-247-831-91	CARBON 1K 5% 1/4W	(EXCEPT CND)
R2007	1-249-429-11	CARBON 10K 5% 1/4W	(EXCEPT CND)
R2008	1-247-897-11	CARBON 560K 5% 1/4W	(EXCEPT CND)
R2010	1-249-429-11	CARBON 10K 5% 1/4W	(EXCEPT CND)
R2015	1-249-435-11	CARBON 33K 5% 1/4W	(EXCEPT CND)
R2016	1-249-431-11	CARBON 15K 5% 1/4W	(EXCEPT CND)
R2017	1-249-421-11	CARBON 2.2K 5% 1/4W	(EXCEPT CND)
R2018	1-249-418-11	CARBON 1.2K 5% 1/4W	(EXCEPT CND)
R2019	1-249-421-11	CARBON 2.2K 5% 1/4W	(EXCEPT CND)
		< TEST PIN >	
* TP2000	1-690-880-31	LEAD (WITH CONNECTOR)	
**********			

STR-KG700

Ver. 1.3

DCDC **DIGITAL**

Ref. No.	Part No.	Description			Remark
		DCDC BOARD			
		**********			
		< CAPACITOR >			
C4002	1-128-549-11	ELECT	3300uF	20%	35V
C4007	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C4009	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C4100	1-128-959-21	ELECT	1000uF	20%	35V
C4102	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C4103	1-128-950-21	ELECT	1000uF	20%	16V
		< CONNECTOR >			
CN4001	1-778-226-21	CONNECTOR, BOARD TO BOARD 6P			
		< DIODE >			
D4001	8-719-077-77	DIODE D3SB60F3			
D4805	6-502-218-01	DI RB060M-30			
		< FUSE HOLDER >			
FH4001	1-533-233-11	FUSE HOLDER	10A	250V	
FH4002	1-533-233-11	FUSE HOLDER	10A	250V	
FH4003	1-533-233-11	FUSE HOLDER	10A	250V	
FH4004	1-533-233-11	FUSE HOLDER	10A	250V	
		< IC >			
IC4100	8-759-659-28	IC SI-8033S			
		< COIL >			
L4100	1-456-545-11	INDUCTOR	100UH		
L4101	1-456-545-11	INDUCTOR	100UH		
		< RESISTOR >			
R4100	1-216-821-11	METAL CHIP	1K	5%	1/10W
R4102	1-216-818-11	METAL CHIP	560	5%	1/10W
**********					
	A-1444-789-A	DIGITAL AB BOARD, COMPLETE (US, CND)			
	A-1444-790-A	DIGITAL AB BOARD, COMPLETE (AEP)			
	A-1700-453-A	DIGITAL AB BOARD, COMPLETE (AUS)			
	A-1724-514-A	DIGITAL AB BOARD, COMPLETE (E51)			
	A-1724-515-A	DIGITAL AB BOARD, COMPLETE (AR)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S			
		< CAPACITOR >			
C1001	1-112-080-11	ELECT	470uF	20%	10V
C1002	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C1003	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1004	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1005	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1006	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1007	1-126-964-11	ELECT	10uF	20%	50V
C1009	1-126-947-11	ELECT	47uF	20%	35V
C1012	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1021	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C1022	1-135-372-31	ELECT	470uF	20%	10V
C1023	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C1024	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C1025	1-135-372-31	ELECT	470uF	20%	10V
C1026	1-135-372-31	ELECT	470uF	20%	10V

Ref. No.	Part No.	Description			Remark
C1028	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1031	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C1032	1-135-372-31	ELECT	470uF	20%	10V
C1039	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1041	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1044	1-164-848-11	CERAMIC CHIP	8PF	0.5PF	50V
C1048	1-164-848-11	CERAMIC CHIP	8PF	0.5PF	50V
C1050	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1051	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1052	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1053	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1054	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1055	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1056	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1057	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1058	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1059	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1060	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1061	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1062	1-117-370-11	CERAMIC CHIP	10uF		10V
C1063	1-126-933-11	ELECT	100uF	20%	16V
C1064	1-126-933-11	ELECT	100uF	20%	16V
C1065	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1067	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1068	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1069	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1070	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1072	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1073	1-126-933-11	ELECT	100uF	20%	16V
C1074	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1075	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C1076	1-126-933-11	ELECT	100uF	20%	16V
C1077	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1078	1-117-370-11	CERAMIC CHIP	10uF		10V
C1080	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1083	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1084	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1085	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1087	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1088	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1089	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1092	1-117-370-11	CERAMIC CHIP	10uF		10V
C1093	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1094	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1095	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1096	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1097	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1098	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1099	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1100	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1102	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1103	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1104	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1105	1-117-370-11	CERAMIC CHIP	10uF		10V
C1107	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1108	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1109	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1110	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1111	1-126-947-11	ELECT	47uF	20%	35V
C1112	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C1113	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1114	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1115	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1116	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1117	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1118	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1119	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1120	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1122	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1123	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1124	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (EXCEPT CND)
C1127	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1128	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1129	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1131	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1132	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1137	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1138	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1139	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1140	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1142	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1149	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1171	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1172	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1179	1-126-933-11	ELECT	100uF	20%	16V
C1191	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1252	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1253	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1254	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1255	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1256	1-218-965-11	METAL CHIP	0.1uF	10%	1/16W (AR, E51)
C1258	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1299	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1301	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1302	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1303	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1304	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C1305	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1306	1-126-947-11	ELECT	47uF	20%	35V
C1307	1-126-947-11	ELECT	47uF	20%	35V
C1308	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1309	1-164-860-11	CERAMIC CHIP	27PF	5%	50V
C1310	1-164-860-11	CERAMIC CHIP	27PF	5%	50V
C1311	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1312	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1313	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1314	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1315	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1320	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1351	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1355	1-126-965-91	ELECT	22uF	20%	50V
C1358	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V
C1361	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1362	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1370	1-126-947-11	ELECT	47uF	20%	35V
C1401	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1402	1-126-964-11	ELECT	10uF	20%	50V
C1405	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1406	1-126-964-11	ELECT	10uF	20%	50V
C1418	1-112-100-11	ELECT	10uF	20%	50V
C1428	1-126-964-11	ELECT	10uF	20%	50V
C1450	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1451	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1454	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1455	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1457	1-112-100-11	ELECT	10uF	20%	50V
C1458	1-112-100-11	ELECT	10uF	20%	50V
C1459	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1460	1-112-083-11	ELECT	100uF	20%	16V
C1461	1-112-100-11	ELECT	10uF	20%	50V
C1465	1-112-100-11	ELECT	10uF	20%	50V
C1468	1-126-964-11	ELECT	10uF	20%	50V
C1478	1-112-100-11	ELECT	10uF	20%	50V
C1488	1-112-100-11	ELECT	10uF	20%	50V
C1489	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1557	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C1558	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C1566	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C1567	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C1568	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C1569	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C1600	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1601	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1602	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1603	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1604	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1605	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1620	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1653	1-126-964-11	ELECT	10uF	20%	50V
C1654	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1659	1-126-960-11	ELECT	1uF	20%	50V
C1660	1-126-960-11	ELECT	1uF	20%	50V
C1907	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1909	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1910	1-165-722-11	ELECT	100uF	20%	10V
C1911	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1913	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C1914	1-126-947-11	ELECT	47uF	20%	35V
C1919	1-126-965-11	ELECT	22uF	20%	50V
C1923	1-126-947-11	ELECT	47uF	20%	35V

< CONNECTOR >

	CNP505	1-779-799-11	PIN, CONNECTOR 9P
	CNP506	1-784-921-11	PIN, CONNECTOR 4P
*	CNP512	1-564-506-11	PLUG, CONNECTOR 3P
	CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P
	CNS502	1-764-865-41	CONNECTOR, BOARD TO BOARD 13P
	CNS504	1-784-861-51	CONNECTOR, FFC (LIF (NON-ZIF)) 9P
	CNS507	1-784-770-11	CONNECTOR FFC 9P (EXCEPT AEP)
	CNS508	1-568-830-11	CONNECTOR FFC 11P (AEP)
	CNS510	1-784-368-51	CONNECTOR, FFC/FPC 9P (AEP, AUS)
	CNS513	1-784-778-11	CONNECTOR, FFC 17P

< DIODE >

D1001	8-719-053-18	DIODE 1SR154-400TE-25
D1003	8-719-049-09	DIODE 1SS367-T3SONY
D1004	8-719-049-09	DIODE 1SS367-T3SONY

Ref. No.	Part No.	Description	Remark
D1107	6-501-817-01	DIODE MA2J1110GLS0	
D1109	6-501-817-01	DIODE MA2J1110GLS0	
D1110	6-501-817-01	DIODE MA2J1110GLS0	
D1301	6-501-817-01	DIODE MA2J1110GLS0	
D1501	8-719-049-09	DIODE 1SS367-T3SONY (EXCEPT CND)	
D1503	8-719-049-09	DIODE 1SS367-T3SONY (EXCEPT CND)	
D1504	8-719-049-09	DIODE 1SS367-T3SONY (EXCEPT CND)	
		< FERRITE BEAD >	
FB1101	1-400-862-11	BEAD, FERRITE	
FB1102	1-400-862-11	BEAD, FERRITE	
FB1103	1-400-862-11	BEAD, FERRITE	
FB1104	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB1105	1-400-862-11	BEAD, FERRITE	
FB1112	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB1113	1-400-862-11	BEAD, FERRITE	
FB1117	1-400-862-11	BEAD, FERRITE	
FB1302	1-400-862-11	BEAD, FERRITE	
FB1305	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB1306	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB1308	1-400-862-11	BEAD, FERRITE	
FB1310	1-400-862-11	BEAD, FERRITE	
FB1311	1-400-862-11	BEAD, FERRITE	
FB1350	1-400-862-11	BEAD, FERRITE	
FB1403	1-400-862-11	BEAD, FERRITE	
FB1405	1-400-862-11	BEAD, FERRITE	
FB1452	1-400-862-11	BEAD, FERRITE	
FB1453	1-400-862-11	BEAD, FERRITE	
FB1503	1-469-139-21	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC1001	6-713-031-01	IC KIA7805API-U/PF	
IC1002	6-710-766-01	IC BD12KA5FP-E2	
IC1014	8-759-447-77	IC TC7WH74FU (TE12R)	
IC1031	6-705-469-01	IC BA50BC0FP-E2	
IC1101	6-808-148-02	IC MB90F046PF-G-117E1	
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC1131	6-709-450-01	IC S-24CS16A0I-J8T1G	
IC1301	8-759-825-15	IC LC89056W-E	
IC1303	8-759-096-87	IC TC7WU04FU (TE12R)	
IC1351	6-600-466-01	IC TORX147L (SONY)	
IC1401	6-710-554-01	IC PCM1808PWR	
IC1452	6-711-875-01	IC WM8766GEDS/R	
IC1501	6-709-759-01	IC ADSST-AVR-1115	
IC1902	6-713-032-01	IC KIA7809API-U/PF	
IC1903	6-705-463-01	IC BA33BC0T	
IC1904	6-705-468-01	IC BA33BC0FP-E2	
IC1905	6-705-463-01	IC BA33BC0T	
IC1906	6-712-614-01	IC SI-3050KM-TLS	
		< JACK >	
J1301	1-784-431-11	JACK, PIN 1P (DIGITAL COAXIAL DVD/BD IN)	
J1302	1-817-615-21	CONNECTOR, SQUARE TYPE (RECE) (DMPORT)	
		< JUMPER RESISTOR >	
JR1003	1-211-950-11	SHORT CHIP 0	
JR1004	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
		< RESISTOR >	
R1010	1-216-809-11	METAL CHIP 100 5% 1/10W	(EXCEPT CND)
R1011	1-216-809-11	METAL CHIP 100 5% 1/10W	(AEP, AUS)
R1017	1-216-805-11	METAL CHIP 47 5% 1/10W	
R1018	1-216-805-11	METAL CHIP 47 5% 1/10W	
R1021	1-216-809-11	METAL CHIP 100 5% 1/10W	(AEP, AUS)
R1022	1-216-809-11	METAL CHIP 100 5% 1/10W	(AEP, AUS)
R1023	1-216-805-11	METAL CHIP 47 5% 1/10W	
R1024	1-216-864-11	SHORT CHIP 0	
R1027	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R1029	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1030	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1031	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1033	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1034	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1035	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1036	1-216-864-11	SHORT CHIP 0	
R1037	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1038	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1039	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1040	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1043	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1046	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1047	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1048	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R1049	1-216-817-11	METAL CHIP 470 5% 1/10W	
R1050	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1053	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1058	1-216-813-11	METAL CHIP 220 5% 1/10W	(AEP)
R1059	1-216-813-11	METAL CHIP 220 5% 1/10W	(AEP)
R1062	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1068	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1069	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1070	1-216-864-11	SHORT CHIP 0	
R1071	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1072	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R1073	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R1074	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1076	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1077	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1078	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1080	1-216-864-11	SHORT CHIP 0	
R1081	1-216-864-11	SHORT CHIP 0	
R1083	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1084	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1088	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1094	1-216-833-11	METAL CHIP 10K 5% 1/10W	(EXCEPT AEP)
R1095	1-216-833-11	METAL CHIP 10K 5% 1/10W	(EXCEPT AEP)
R1100	1-216-864-11	SHORT CHIP 0	
R1101	1-216-864-11	SHORT CHIP 0	
R1102	1-216-864-11	SHORT CHIP 0	
R1103	1-216-864-11	SHORT CHIP 0	
R1104	1-216-864-11	SHORT CHIP 0	
R1105	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1106	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1108	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W
R1116	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, AUS)
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W
R1130	1-216-809-11	METAL CHIP	100	5%	1/10W
R1131	1-216-809-11	METAL CHIP	100	5%	1/10W
R1132	1-216-809-11	METAL CHIP	100	5%	1/10W
R1133	1-216-809-11	METAL CHIP	100	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W
R1148	1-216-803-11	METAL CHIP	33	5%	1/10W
R1151	1-216-809-11	METAL CHIP	100	5%	1/10W
R1152	1-216-809-11	METAL CHIP	100	5%	1/10W
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W
R1156	1-216-864-11	SHORT CHIP	0		
R1157	1-216-864-11	SHORT CHIP	0		
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1162	1-216-809-11	METAL CHIP	100	5%	1/10W
R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1164	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1174	1-216-809-11	METAL CHIP	100	5%	1/10W
R1175	1-216-809-11	METAL CHIP	100	5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1193	1-216-833-11	METAL CHIP	10K	5%	1/10W (E51)
R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, AUS)
R1193	1-216-864-11	SHORT CHIP	0 (AR)		
R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP)
R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AUS)
R1194	1-216-841-11	METAL CHIP	47K	5%	1/10W (E51)
R1194	1-216-864-11	SHORT CHIP	0 (US, CND)		
R1200	1-216-809-11	METAL CHIP	100	5%	1/10W
R1203	1-216-809-11	METAL CHIP	100	5%	1/10W
R1253	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1305	1-216-817-11	METAL CHIP	470	5%	1/10W
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1319	1-216-817-11	METAL CHIP	470	5%	1/10W
R1321	1-216-864-11	SHORT CHIP	0		
R1323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1325	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1350	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1351	1-216-809-11	METAL CHIP	100	5%	1/10W
R1352	1-216-864-11	SHORT CHIP	0		
R1353	1-216-864-11	SHORT CHIP	0		
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1356	1-216-817-11	METAL CHIP	470	5%	1/10W
R1357	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1358	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1361	1-216-864-11	SHORT CHIP	0		
R1362	1-216-855-11	METAL CHIP	680K	5%	1/10W
R1367	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1400	1-216-864-11	SHORT CHIP	0		
R1401	1-216-809-11	METAL CHIP	100	5%	1/10W
R1405	1-216-864-11	SHORT CHIP	0		
R1406	1-216-864-11	SHORT CHIP	0		
R1408	1-216-864-11	SHORT CHIP	0		
R1415	1-216-864-11	SHORT CHIP	0		
R1416	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1420	1-216-864-11	SHORT CHIP	0		
R1425	1-216-864-11	SHORT CHIP	0		
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1427	1-216-864-11	SHORT CHIP	0		
R1435	1-216-864-11	SHORT CHIP	0		
R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1455	1-216-864-11	SHORT CHIP	0		
R1456	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1457	1-216-864-11	SHORT CHIP	0		
R1458	1-216-864-11	SHORT CHIP	0		
R1464	1-216-864-11	SHORT CHIP	0		
R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1468	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1470	1-216-864-11	SHORT CHIP	0		
R1471	1-216-864-11	SHORT CHIP	0		
R1472	1-216-864-11	SHORT CHIP	0		
R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1485	1-216-864-11	SHORT CHIP	0		
R1493	1-216-864-11	SHORT CHIP	0		
R1494	1-216-864-11	SHORT CHIP	0		
R1495	1-216-864-11	SHORT CHIP	0		
R1496	1-216-864-11	SHORT CHIP	0		
R1497	1-216-864-11	SHORT CHIP	0		
R1498	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R1524	1-216-864-11	SHORT CHIP	0		
R1530	1-216-845-11	METAL CHIP	100K	5%	1/10W (EXCEPT CND)
R1556	1-216-815-11	METAL CHIP	330	5%	1/10W
R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1901	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1922	1-216-864-11	SHORT CHIP	0		
R1940	1-216-864-11	SHORT CHIP	0		
R1946	1-216-809-11	METAL CHIP	100	5%	1/10W (EXCEPT CND)
R1947	1-216-801-11	METAL CHIP	22	5%	1/10W
R1948	1-216-809-11	METAL CHIP	100	5%	1/10W
R1949	1-216-841-11	METAL CHIP	47K	5%	1/10W
		< VIBRATOR >			
X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR (24MHz)			
X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)			
X1302	1-795-807-11	VIBRATOR, CRYSTAL (25MHz)			
**********					
	A-1382-589-A	DISPLAY BOARD, COMPLETE (US, CND)			
	A-1382-590-A	DISPLAY BOARD, COMPLETE (AEP, AUS)			
	A-1724-512-A	DISPLAY BOARD, COMPLETE (E51)			
	A-1724-513-A	DISPLAY BOARD, COMPLETE (AR)			
		**********			
		< CAPACITOR >			
C100	1-127-888-11	CERAMIC	0.1uF	10%	50V
C101	1-127-888-11	CERAMIC	0.1uF	10%	50V
C105	1-126-964-11	ELECT	10uF	20%	50V
C106	1-127-868-11	CERAMIC	2200PF	10%	50V
C107	1-127-868-11	CERAMIC	2200PF	10%	50V
C110	1-162-286-31	CERAMIC	220PF	10%	50V
C111	1-162-286-31	CERAMIC	220PF	10%	50V
C112	1-162-286-31	CERAMIC	220PF	10%	50V
C114	1-135-798-11	CERAMIC	0.22uF		50V
C144	1-127-888-11	CERAMIC	0.1uF	10%	50V
C145	1-127-888-11	CERAMIC	0.1uF	10%	50V
C146	1-126-964-11	ELECT	10uF	20%	50V
C147	1-162-286-31	CERAMIC	220PF	10%	50V
C148	1-162-286-31	CERAMIC	220PF	10%	50V
C149	1-162-286-31	CERAMIC	220PF	10%	50V
C150	1-127-888-11	CERAMIC	0.1uF	10%	50V
C151	1-127-888-11	CERAMIC	0.1uF	10%	50V
C161	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CNP102	1-564-505-11	PLUG, CONNECTOR 2P (EXCEPT CND)			
CNS102	1-784-778-11	CONNECTOR, FFC 17P			
		< FLUORESCENT INDICATOR TUBE >			
FL101	1-519-927-11	VACUUM FLOURESCENT DISPLAY			
		< IC >			
IC100	6-701-729-01	IC PT6315			
IC101	8-759-243-51	IC TC74ACT08P			
IC103	6-600-349-31	IC NJL24H400A			
		< RESISTOR >			
R103	1-249-409-11	CARBON	220	5%	1/4W

Ref. No.	Part No.	Description			Remark
R115	1-247-807-31	CARBON	100	5%	1/4W
R116	1-247-807-31	CARBON	100	5%	1/4W
R117	1-247-807-31	CARBON	100	5%	1/4W
R118	1-249-440-11	CARBON	82K	5%	1/4W
R119	1-247-807-31	CARBON	100	5%	1/4W
R120	1-249-393-11	CARBON	10	5%	1/4W
R121	1-249-393-11	CARBON	10	5%	1/4W
R198	1-249-387-81	CARBON	3.3	5%	1/4W (US, CND, E51)
R198	1-249-390-11	CARBON	5.6	5%	1/4W (AEP, AUS, AR)
R199	1-249-387-81	CARBON	3.3	5%	1/4W (US, CND, E51)
R199	1-249-390-11	CARBON	5.6	5%	1/4W (AEP, AUS, AR)
		< VARIABLE RESISTOR >			
RV101	1-418-817-21	ENCODER, ROTARY			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE)			
		< SWITCH >			
S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
**********					
	A-1519-237-A	HDMI SW BOARD, COMPLETE (AEP, AUS)			
		**********			
		< 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
C5027	1-128-994-21	ELECT CHIP	47uF	20%	10V
		< CONNECTOR >			
CN5001	1-820-735-11	HDMI CONNECTOR			
CN5002	1-820-735-11	HDMI CONNECTOR			
CN5003	1-820-735-11	HDMI CONNECTOR			
CN5004	1-784-368-51	CONNECTOR, FFC/FPC 9P			

Ref. No.	Part No.	Description			Remark
		< 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			
		< COIL >			
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
R5056	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5060	1-216-864-11	SHORT CHIP	0		
R5061	1-216-864-11	SHORT CHIP	0		
R5068	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5069	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5072	1-216-809-11	METAL CHIP	100	5%	1/10W
R5073	1-216-864-11	SHORT CHIP	0		
R5074	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

Ref. No.	Part No.	Description			Remark
		HEADPHONE BOARD, COMPLETE			
		< CAPACITOR >			
C791	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
* CNP790	1-564-507-11	PLUG, CONNECTOR 4P			
		< JACK >			
J790	1-815-314-21	JACK (PHONES)			
		< TEST PIN >			
* TP790	1-690-880-31	LEAD (WITH CONNECTOR)			
	A-1382-577-A	MAIN BOARD, COMPLETE (US, CND)			
	A-1382-578-A	MAIN BOARD, COMPLETE (AEP, AUS)			
	A-1724-506-A	MAIN BOARD, COMPLETE (E51)			
	A-1724-507-A	MAIN BOARD, COMPLETE (AR)			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C320	1-126-925-91	ELECT	470uF	20%	10V
C325	1-126-964-11	ELECT	10uF	20%	50V
C335	1-126-933-11	ELECT	100 uF	20%	16V
C350	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C351	1-126-933-11	ELECT	100uF	20%	16V
C352	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C353	1-126-933-11	ELECT	100uF	20%	16V
C421	1-137-190-91	FILM	0.22uF	5%	50V
C422	1-137-190-91	FILM	0.22uF	5%	50V
C424	1-136-159-00	FILM	0.033uF	5%	50V
C425	1-136-175-00	FILM	0.68uF	5%	50V
C430	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C431	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C449	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C450	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C487	1-112-089-11	ELECT	47uF	20%	25V
C488	1-112-089-11	ELECT	47uF	20%	25V
C489	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C499	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C500	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C545	1-128-582-11	ELECT	10uF	20%	100V
C546	1-128-582-11	ELECT	10uF	20%	100V
C602	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C603	1-101-810-00	CERAMIC	100PF	5%	500V
C604	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C605	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C607	1-126-947-11	ELECT	47uF	20%	35V
C608	1-162-815-11	CERAMIC	47PF	5%	500V
C609	1-162-815-11	CERAMIC	47PF	5%	500V
C610	1-126-964-11	ELECT	10uF	20%	50V
C611	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C612	1-126-923-91	ELECT	220uF	20%	10V
C629	1-136-157-00	FILM	0.022uF	5%	50V
C652	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C653	1-101-810-00	CERAMIC	100PF	5%	500V
C654	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C655	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C657	1-126-947-11	ELECT	47uF	20%	35V
C658	1-162-815-11	CERAMIC	47PF	5%	500V
C659	1-162-815-11	CERAMIC	47PF	5%	500V
C660	1-126-964-11	ELECT	10uF	20%	50V
C661	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C662	1-126-923-91	ELECT	220uF	20%	10V
C670	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C671	1-126-964-11	ELECT	10uF	20%	50V
C675	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C679	1-136-157-00	FILM	0.022uF	5%	50V
C702	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C703	1-101-810-00	CERAMIC	100PF	5%	500V
C704	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C705	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C707	1-126-947-11	ELECT	47uF	20%	35V
C708	1-162-815-11	CERAMIC	47PF	5%	500V
C709	1-162-815-11	CERAMIC	47PF	5%	500V
C710	1-126-964-11	ELECT	10uF	20%	50V
C711	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C712	1-126-923-91	ELECT	220uF	20%	10V
C720	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C721	1-126-964-11	ELECT	10uF	20%	50V
C725	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C729	1-136-157-00	FILM	0.022uF	5%	50V
C752	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C753	1-101-810-00	CERAMIC	100PF	5%	500V
C754	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C755	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C757	1-126-947-11	ELECT	47uF	20%	35V
C758	1-162-815-11	CERAMIC	47PF	5%	500V
C759	1-162-815-11	CERAMIC	47PF	5%	500V
C760	1-126-964-11	ELECT	10uF	20%	50V
C761	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C762	1-126-923-91	ELECT	220uF	20%	10V
C770	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C771	1-126-964-11	ELECT	10uF	20%	50V
C775	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C779	1-136-157-00	FILM	0.022uF	5%	50V
C802	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C803	1-101-810-00	CERAMIC	100PF	5%	500V
C804	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C805	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C807	1-126-947-11	ELECT	47uF	20%	35V
C808	1-162-815-11	CERAMIC	47PF	5%	500V
C809	1-162-815-11	CERAMIC	47PF	5%	500V
C810	1-126-964-11	ELECT	10uF	20%	50V
C811	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C812	1-126-923-91	ELECT	220uF	20%	10V
C820	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C821	1-126-964-11	ELECT	10uF	20%	50V
C829	1-136-157-00	FILM	0.022uF	5%	50V
C852	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C853	1-101-810-00	CERAMIC	100PF	5%	500V
C854	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C855	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C857	1-126-947-11	ELECT	47uF	20%	35V
C858	1-162-815-11	CERAMIC	47PF	5%	500V
C859	1-162-815-11	CERAMIC	47PF	5%	500V
C860	1-126-964-11	ELECT	10uF	20%	50V
C861	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C862	1-126-923-91	ELECT	220uF	20%	10V
C870	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C871	1-126-964-11	ELECT	10uF	20%	50V
C879	1-136-157-00	FILM	0.022uF	5%	50V
C904	1-126-936-11	ELECT	3300uF	20%	16V
C920	1-135-851-21	MYLAR	0.22uF		100V (EXCEPT E51, AR)
C920	1-137-958-91	MYLAR	0.22uF	5%	100V (E51, AR)
C921	1-135-851-21	MYLAR	0.22uF		100V (EXCEPT E51, AR)
C921	1-137-958-91	MYLAR	0.22uF	5%	100V (E51, AR)
C924	1-100-968-11	ELECT	4700uF	20%	63V
C925	1-100-968-11	ELECT	4700uF	20%	63V
C930	1-119-772-91	ELECT	47uF	20%	35V
C931	1-126-947-11	ELECT	47uF	20%	35V
C932	1-126-947-11	ELECT	47uF	20%	35V
C933	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C940	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C941	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C3022	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3024	1-126-963-11	ELECT	4.7uF	20%	50V
C3025	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3026	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3027	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3032	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3034	1-126-963-11	ELECT	4.7uF	20%	50V
C3037	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
		< CAPACITOR >			
CC01	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (EXCEPT CND)
CC02	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (EXCEPT CND)
CC03	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (EXCEPT CND)
CC13	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (EXCEPT CND)
CC14	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (EXCEPT CND)
CC15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (EXCEPT CND)
CC16	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (EXCEPT CND)
CC17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (EXCEPT CND)
CC18	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (EXCEPT CND)
CC51	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (EXCEPT CND)
CC52	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (EXCEPT CND)
CC53	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (EXCEPT CND)
		< CONNECTOR >			
CNP410	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P			
CNP411	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P			

	Ref. No.	Part No.	Description	Remark
	CNP430	1-779-978-11	PIN, CONNECTOR 3P	
*	CNP500	1-564-506-11	PLUG, CONNECTOR 3P (EXCEPT CND)	
*	CNP912	1-564-510-11	PLUG, CONNECTOR 7P	
*	CNP921	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P (E51)	
*	CNP922	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P	(EXCEPT E51)
*	CNP930	1-564-506-11	PLUG, CONNECTOR 3P	
*	CNP940	1-564-509-11	PLUG, CONNECTOR 6P	
			< DIODE >	
	D320	6-501-817-01	DIODE MA2J1110GLS0	
	D325	6-501-817-01	DIODE MA2J1110GLS0	
	D326	6-501-817-01	DIODE MA2J1110GLS0	
	D327	6-501-817-01	DIODE MA2J1110GLS0	
	D335	6-501-712-01	DIODE MAZ8030G0LS0	
	D352	8-719-053-18	DIODE 1SR154-400TE-25	
	D355	6-501-817-01	DIODE MA2J1110GLS0	
	D360	6-501-817-01	DIODE MA2J1110GLS0	
	D365	6-501-817-01	DIODE MA2J1110GLS0	
	D375	6-501-817-01	DIODE MA2J1110GLS0	
	D500	6-501-787-01	DIODE MAZ8220GMLS0	
	D501	6-501-817-01	DIODE MA2J1110GLS0	
	D611	6-501-817-01	DIODE MA2J1110GLS0	
	D631	6-501-817-01	DIODE MA2J1110GLS0	
	D632	6-501-817-01	DIODE MA2J1110GLS0	
	D661	6-501-817-01	DIODE MA2J1110GLS0	
	D670	6-501-817-01	DIODE MA2J1110GLS0	
	D675	6-501-817-01	DIODE MA2J1110GLS0	
	D711	6-501-817-01	DIODE MA2J1110GLS0	
	D720	6-501-817-01	DIODE MA2J1110GLS0	
	D725	6-501-817-01	DIODE MA2J1110GLS0	
	D761	6-501-817-01	DIODE MA2J1110GLS0	
	D770	6-501-817-01	DIODE MA2J1110GLS0	
	D775	6-501-817-01	DIODE MA2J1110GLS0	
	D811	6-501-817-01	DIODE MA2J1110GLS0	
	D820	6-501-817-01	DIODE MA2J1110GLS0	
	D861	6-501-817-01	DIODE MA2J1110GLS0	
	D870	6-501-817-01	DIODE MA2J1110GLS0	
	D921	8-719-081-52	DIODE D5SBA20-4003	
	D930	6-500-295-01	DIODE PTZ-TE25-5.6B	
	D931	6-501-785-01	DIODE MAZ8200GMLS0	
	D940	8-719-053-18	DIODE 1SR154-400TE-25	
	D941	8-719-053-18	DIODE 1SR154-400TE-25	
	D942	8-719-053-18	DIODE 1SR154-400TE-25	
	D943	8-719-053-18	DIODE 1SR154-400TE-25	
			< IC >	
	IC350	6-712-294-01	IC KIA7807API-U/PF	
	IC352	6-712-295-01	IC KIA7907PI	
	IC400	6-711-760-01	IC BD3471KS2	
	IC565	8-759-710-97	IC NJM4565M-D	
	IC601	6-710-828-01	IC STK350-530T-E	
	IC701	6-710-828-01	IC STK350-530T-E	
	IC801	6-710-828-01	IC STK350-530T-E	
	IC3002	8-759-710-97	IC NJM4565M-D	
			< JACK >	
	J402	1-774-411-11	JACK, PIN 6P (SA-CD/CD, TV, SAT)	

Ref. No.	Part No.	Description		Remark
		< JUMPER RESISTOR >		
JR320	1-216-864-11	SHORT CHIP	0	
JR321	1-216-864-11	SHORT CHIP	0	
JR322	1-216-864-11	SHORT CHIP	0	
JR404	1-216-864-11	SHORT CHIP	0	
JR405	1-216-864-11	SHORT CHIP	0	
JR421	1-216-864-11	SHORT CHIP	0	
JR424	1-216-864-11	SHORT CHIP	0	
JR434	1-216-864-11	SHORT CHIP	0	
JR435	1-216-864-11	SHORT CHIP	0	
JR454	1-216-864-11	SHORT CHIP	0	
JR455	1-216-864-11	SHORT CHIP	0	
JR601	1-216-295-91	SHORT CHIP	0	
JR631	1-216-864-11	SHORT CHIP	0	
JR701	1-216-295-91	SHORT CHIP	0	
JR702	1-216-864-11	SHORT CHIP	0	
JR801	1-216-295-91	SHORT CHIP	0	
		< COIL >		
L628	1-420-872-52	COIL, AIR-CORE		
		< TRANSISTOR >		
Q320	8-729-216-31	TRANSISTOR	2SA1163-G	
Q321	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	
Q325	8-729-271-31	TRANSISTOR	2SC2713-G	
Q355	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	
Q360	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	
Q365	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	
Q375	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	
Q500	8-729-281-53	TRANSISTOR	2SC1815-GR	
Q501	8-729-027-31	TRANSISTOR	DTA124EKA-T146	
Q601	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q602	8-729-141-30	TRANSISTOR	2SC3623A-LK	(EXCEPT E51, AR)
Q602	8-729-922-39	TRANSISTOR	2SD2144S-TP-Y (E51, AR)	
Q611	8-729-216-31	TRANSISTOR	2SA1163-G	
Q612	8-729-216-31	TRANSISTOR	2SA1163-G	
Q651	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q652	8-729-141-30	TRANSISTOR	2SC3623A-LK	(EXCEPT E51, AR)
Q652	8-729-922-39	TRANSISTOR	2SD2144S-TP-Y (E51, AR)	
Q661	8-729-216-31	TRANSISTOR	2SA1163-G	
Q662	8-729-216-31	TRANSISTOR	2SA1163-G	
Q670	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	
Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q702	8-729-141-30	TRANSISTOR	2SC3623A-LK	(EXCEPT E51, AR)
Q702	8-729-922-39	TRANSISTOR	2SD2144S-TP-Y (E51, AR)	
Q711	8-729-216-31	TRANSISTOR	2SA1163-G	
Q712	8-729-216-31	TRANSISTOR	2SA1163-G	
Q720	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	
Q751	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q752	8-729-141-30	TRANSISTOR	2SC3623A-LK	(EXCEPT E51, AR)
Q752	8-729-922-39	TRANSISTOR	2SD2144S-TP-Y (E51, AR)	
Q761	8-729-216-31	TRANSISTOR	2SA1163-G	
Q762	8-729-216-31	TRANSISTOR	2SA1163-G	
Q770	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	
Q801	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q802	8-729-141-30	TRANSISTOR	2SC3623A-LK	(EXCEPT E51, AR)

Ref. No.	Part No.	Description			Remark
Q802	8-729-922-39	TRANSISTOR	2SD2144S-TP-Y (E51, AR)		
Q811	8-729-216-31	TRANSISTOR	2SA1163-G		
Q812	8-729-216-31	TRANSISTOR	2SA1163-G		
Q820	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q851	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q852	8-729-141-30	TRANSISTOR	2SC3623A-LK (EXCEPT E51, AR)		
Q852	8-729-922-39	TRANSISTOR	2SD2144S-TP-Y (E51, AR)		
Q861	8-729-216-31	TRANSISTOR	2SA1163-G		
Q862	8-729-216-31	TRANSISTOR	2SA1163-G		
Q870	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q930	8-729-140-97	TRANSISTOR	2SB734-34		
		< RESISTOR >			
R325	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R326	1-216-840-11	METAL CHIP	39K	5%	1/10W
R327	1-216-833-11	METAL CHIP	10K	5%	1/10W
R328	1-216-821-11	METAL CHIP	1K	5%	1/10W
R335	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R336	1-216-837-11	METAL CHIP	22K	5%	1/10W
R337	1-216-839-11	METAL CHIP	33K	5%	1/10W
R355	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠ R356	1-249-399-11	CARBON	33	5%	1/4W
⚠ R357	1-249-401-11	CARBON	47	5%	1/4W
R358	1-216-841-11	METAL CHIP	47K	5%	1/10W
R360	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠ R361	1-249-399-11	CARBON	33	5%	1/4W
⚠ R362	1-249-401-11	CARBON	47	5%	1/4W
R363	1-216-841-11	METAL CHIP	47K	5%	1/10W
R365	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠ R366	1-249-399-11	CARBON	33	5%	1/4W
⚠ R367	1-249-401-11	CARBON	47	5%	1/4W
R368	1-216-841-11	METAL CHIP	47K	5%	1/10W
R375	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠ R376	1-249-399-11	CARBON	33	5%	1/4W
⚠ R377	1-249-401-11	CARBON	47	5%	1/4W
R378	1-216-841-11	METAL CHIP	47K	5%	1/10W
⚠ R392	1-215-891-11	METAL OXIDE	680	5%	2W
⚠ R393	1-215-891-11	METAL OXIDE	680	5%	2W
R401	1-216-821-11	METAL CHIP	1K	5%	1/10W
R402	1-216-821-11	METAL CHIP	1K	5%	1/10W
R403	1-216-821-11	METAL CHIP	1K	5%	1/10W
R421	1-216-842-11	METAL CHIP	56K	5%	1/10W
R422	1-216-837-11	METAL CHIP	22K	5%	1/10W
R423	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R424	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R425	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R426	1-216-850-11	METAL CHIP	270K	5%	1/10W
R430	1-216-821-11	METAL CHIP	1K	5%	1/10W
R431	1-216-821-11	METAL CHIP	1K	5%	1/10W
R449	1-216-821-11	METAL CHIP	1K	5%	1/10W
R450	1-216-821-11	METAL CHIP	1K	5%	1/10W
R451	1-216-821-11	METAL CHIP	1K	5%	1/10W
R452	1-216-821-11	METAL CHIP	1K	5%	1/10W
R453	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠ R487	1-249-385-11	CARBON	2.2	5%	1/4W
⚠ R488	1-249-385-11	CARBON	2.2	5%	1/4W
R501	1-216-837-11	METAL CHIP	22K	5%	1/10W
R502	1-216-853-11	METAL CHIP	470K	5%	1/10W
R503	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R504	1-216-833-11	METAL CHIP	10K	5%	1/10W
R505	1-216-833-11	METAL CHIP	10K	5%	1/10W
R506	1-216-839-11	METAL CHIP	33K	5%	1/10W
R507	1-216-849-11	METAL CHIP	220K	5%	1/10W
⚠ R511	1-215-890-11	METAL OXIDE	470	5%	2W
⚠ R545	1-249-381-11	CARBON	1	5%	1/4W
⚠ R546	1-249-381-11	CARBON	1	5%	1/4W
R601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R602	1-216-843-11	METAL CHIP	68K	5%	1/10W
R603	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R604	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R606	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R607	1-216-844-11	METAL CHIP	82K	5%	1/10W
R608	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R609	1-249-405-11	CARBON	100	5%	1/4W
⚠ R610	1-249-405-11	CARBON	100	5%	1/4W
R611	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R612	1-240-855-91	CARBON	6.2K	5%	1/4W
R613	1-234-182-11	ENCAPSULATED COMPONENT			
R614	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R615	1-216-835-11	METAL CHIP	15K	5%	1/10W
R616	1-216-843-11	METAL CHIP	68K	5%	1/10W
⚠ R628	1-249-389-11	CARBON	4.7	5%	1/4W
⚠ R629	1-249-393-11	CARBON	10	5%	1/4W
R630	1-216-841-11	METAL CHIP	47K	5%	1/10W
R631	1-216-821-11	METAL CHIP	1K	5%	1/10W
R632	1-216-821-11	METAL CHIP	1K	5%	1/10W
R633	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R634	1-216-837-11	METAL CHIP	22K	5%	1/10W
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W
R652	1-216-843-11	METAL CHIP	68K	5%	1/10W
R653	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R654	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R656	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R657	1-216-844-11	METAL CHIP	82K	5%	1/10W
R658	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R659	1-249-405-11	CARBON	100	5%	1/4W
⚠ R660	1-249-405-11	CARBON	100	5%	1/4W
R661	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R662	1-240-855-91	CARBON	6.2K	5%	1/4W
R663	1-234-182-11	ENCAPSULATED COMPONENT			
R664	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R665	1-216-835-11	METAL CHIP	15K	5%	1/10W
R666	1-216-843-11	METAL CHIP	68K	5%	1/10W
R670	1-216-837-11	METAL CHIP	22K	5%	1/10W
R671	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R672	1-216-835-11	METAL CHIP	15K	5%	1/10W
R673	1-216-837-11	METAL CHIP	22K	5%	1/10W
R674	1-216-837-11	METAL CHIP	22K	5%	1/10W
R675	1-216-835-11	METAL CHIP	15K	5%	1/10W
R676	1-216-845-11	METAL CHIP	100K	5%	1/10W
⚠ R679	1-249-393-11	CARBON	10	5%	1/4W
R680	1-216-841-11	METAL CHIP	47K	5%	1/10W
R701	1-216-821-11	METAL CHIP	1K	5%	1/10W
R702	1-216-843-11	METAL CHIP	68K	5%	1/10W
R703	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R704	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R706	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R707	1-216-844-11	METAL CHIP	82K	5%	1/10W
R708	1-216-818-11	METAL CHIP	560	5%	1/10W

Ref. No.	Part No.	Description			Remark
⚠ R709	1-249-405-11	CARBON	100	5%	1/4W
⚠ R710	1-249-405-11	CARBON	100	5%	1/4W
R711	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R712	1-240-855-91	CARBON	6.2K	5%	1/4W
R713	1-234-182-11	ENCAPSULATED COMPONENT			
R714	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R715	1-216-835-11	METAL CHIP	15K	5%	1/10W
R716	1-216-843-11	METAL CHIP	68K	5%	1/10W
R720	1-216-837-11	METAL CHIP	22K	5%	1/10W
R721	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R722	1-216-835-11	METAL CHIP	15K	5%	1/10W
R723	1-216-837-11	METAL CHIP	22K	5%	1/10W
R724	1-216-837-11	METAL CHIP	22K	5%	1/10W
R725	1-216-835-11	METAL CHIP	15K	5%	1/10W
R726	1-216-845-11	METAL CHIP	100K	5%	1/10W
⚠ R729	1-249-393-11	CARBON	10	5%	1/4W
R730	1-216-841-11	METAL CHIP	47K	5%	1/10W
R751	1-216-821-11	METAL CHIP	1K	5%	1/10W
R752	1-216-843-11	METAL CHIP	68K	5%	1/10W
R753	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R754	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R756	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R757	1-216-844-11	METAL CHIP	82K	5%	1/10W
R758	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R759	1-249-405-11	CARBON	100	5%	1/4W
⚠ R760	1-249-405-11	CARBON	100	5%	1/4W
R761	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R762	1-240-855-91	CARBON	6.2K	5%	1/4W
R763	1-234-182-11	ENCAPSULATED COMPONENT			
R764	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R765	1-216-835-11	METAL CHIP	15K	5%	1/10W
R766	1-216-843-11	METAL CHIP	68K	5%	1/10W
R770	1-216-837-11	METAL CHIP	22K	5%	1/10W
R771	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R772	1-216-835-11	METAL CHIP	15K	5%	1/10W
R773	1-216-837-11	METAL CHIP	22K	5%	1/10W
R774	1-216-837-11	METAL CHIP	22K	5%	1/10W
R775	1-216-835-11	METAL CHIP	15K	5%	1/10W
R776	1-216-845-11	METAL CHIP	100K	5%	1/10W
⚠ R779	1-249-393-11	CARBON	10	5%	1/4W
R780	1-216-841-11	METAL CHIP	47K	5%	1/10W
R801	1-216-821-11	METAL CHIP	1K	5%	1/10W
R802	1-216-843-11	METAL CHIP	68K	5%	1/10W
R803	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R804	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R806	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R807	1-216-844-11	METAL CHIP	82K	5%	1/10W
R808	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R809	1-249-405-11	CARBON	100	5%	1/4W
⚠ R810	1-249-405-11	CARBON	100	5%	1/4W
R811	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R812	1-240-855-91	CARBON	6.2K	5%	1/4W
R813	1-234-182-11	ENCAPSULATED COMPONENT			
R814	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R815	1-216-835-11	METAL CHIP	15K	5%	1/10W
R816	1-216-843-11	METAL CHIP	68K	5%	1/10W
R820	1-216-837-11	METAL CHIP	22K	5%	1/10W
R821	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R822	1-216-835-11	METAL CHIP	15K	5%	1/10W
R823	1-216-837-11	METAL CHIP	22K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R824	1-216-837-11	METAL CHIP	22K	5%	1/10W
⚠ R829	1-249-393-11	CARBON	10	5%	1/4W
R830	1-216-841-11	METAL CHIP	47K	5%	1/10W
R851	1-216-821-11	METAL CHIP	1K	5%	1/10W
R852	1-216-843-11	METAL CHIP	68K	5%	1/10W
R853	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R854	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R856	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R857	1-216-844-11	METAL CHIP	82K	5%	1/10W
R858	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R859	1-249-405-11	CARBON	100	5%	1/4W
⚠ R860	1-249-405-11	CARBON	100	5%	1/4W
R861	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R862	1-240-855-91	CARBON	6.2K	5%	1/4W
R863	1-234-182-11	ENCAPSULATED COMPONENT			
R864	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R865	1-216-835-11	METAL CHIP	15K	5%	1/10W
R866	1-216-843-11	METAL CHIP	68K	5%	1/10W
R870	1-216-837-11	METAL CHIP	22K	5%	1/10W
R871	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R872	1-216-835-11	METAL CHIP	15K	5%	1/10W
R873	1-216-837-11	METAL CHIP	22K	5%	1/10W
R874	1-216-837-11	METAL CHIP	22K	5%	1/10W
⚠ R879	1-249-393-11	CARBON	10	5%	1/4W
R880	1-216-841-11	METAL CHIP	47K	5%	1/10W
R930	1-216-837-11	METAL CHIP	22K	5%	1/10W
R931	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R932	1-249-389-11	CARBON	4.7	5%	1/4W
⚠ R940	1-240-877-11	FUSIBLE	0.15	5%	1/2W
R3010	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3011	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3012	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3013	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3020	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3021	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3022	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3023	1-216-841-11	METAL CHIP	47K	5%	1/10W
		< RESISTOR >			
RR13	1-249-393-11	CARBON	10	5%	1/4W (EXCEPT CND)
RR14	1-249-393-11	CARBON	10	5%	1/4W (EXCEPT CND)
RR15	1-249-393-11	CARBON	10	5%	1/4W (EXCEPT CND)
RR16	1-249-393-11	CARBON	10	5%	1/4W (EXCEPT CND)
RR17	1-249-393-11	CARBON	10	5%	1/4W (EXCEPT CND)
RR18	1-249-393-11	CARBON	10	5%	1/4W (EXCEPT CND)
		< RELAY >			
RY355	1-755-170-11	RELAY (12V)			
RY360	1-755-170-11	RELAY (12V)			
RY365	1-755-170-11	RELAY (12V)			
RY375	1-755-170-11	RELAY (12V)			
		< TERMINAL >			
TB602	1-694-805-11	TERMINAL BOARD (SPEAKERS IMPEDANCE USE 6-16Ω CENTER, FRONT)			

Ref. No.	Part No.	Description			Remark
TB605	1-694-805-11	TERMINAL BOARD (SPEAKERS IMPEDANCE USE 6-16Ω SUBWOOFER, SURROUND)			
**********					
		POWER BOARD, COMPLETE			
		**********			
		< CONNECTOR >			
* CNP152	1-564-506-11	PLUG, CONNECTOR 3P			
		< RESISTOR >			
R135	1-249-409-11	CARBON	220	5%	1/4W
R136	1-249-411-11	CARBON	330	5%	1/4W
R137	1-249-413-11	CARBON	470	5%	1/4W
R138	1-249-415-11	CARBON	680	5%	1/4W
R139	1-247-831-91	CARBON	1K	5%	1/4W
		< SWITCH >			
S114	1-771-410-21	SWITCH, TACTILE (DIMMER)			
S115	1-771-410-21	SWITCH, TACTILE (SLEEP)			
S116	1-771-410-21	SWITCH, TACTILE (2CH)			
S117	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S118	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S119	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S152	1-771-410-21	SWITCH, TACTILE (I/⏻)			
**********					
	A-1382-579-A	STANDBY BOARD, COMPLETE (US)			
	A-1544-087-A	STANDBY BOARD, COMPLETE (CND)			
	A-1382-580-A	STANDBY BOARD, COMPLETE (AEP, AUS, AR)			
	A-1724-509-A	STANDBY BOARD, COMPLETE (E51)			
		**********			
		< CAPACITOR >			
C910	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C911	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C912	1-126-943-11	ELECT	2200uF	20%	25V
C913	1-126-942-61	ELECT	1000uF	20%	25V
C950	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C951	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C953	1-126-936-11	ELECT	3300uF	20%	16V
C992	1-126-960-11	ELECT	1uF	20%	50V
C999	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V (US, CND)
		< CONNECTOR >			
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CNP910	1-564-506-11	PLUG, CONNECTOR 3P			
CNP911	1-778-227-41	CONNECTOR, BOARD TO BOARD 6P			
* CNP914	1-564-508-11	PLUG, CONNECTOR 5P			
		< DIODE >			
D901	6-501-817-01	DIODE MA2J1110GLS0			
D910	8-719-053-18	DIODE 1SR154-400TE-25 (US, AEP, AUS)			
D910	8-719-075-77	DIODE EC10DA40-TE12 (CND)			
D911	8-719-053-18	DIODE 1SR154-400TE-25 (EXCEPT CND)			
D911	8-719-075-77	DIODE EC10DA40-TE12 (CND)			
D912	8-719-053-18	DIODE 1SR154-400TE-25 (EXCEPT CND)			
D912	8-719-075-77	DIODE EC10DA40-TE12 (CND)			
D913	8-719-053-18	DIODE 1SR154-400TE-25 (EXCEPT CND)			
D913	8-719-075-77	DIODE EC10DA40-TE12 (CND)			
D950	8-719-053-18	DIODE 1SR154-400TE-25			

Ref. No.	Part No.	Description			Remark
D951	8-719-053-18	DIODE 1SR154-400TE-25			
D952	8-719-053-18	DIODE 1SR154-400TE-25			
D953	8-719-053-18	DIODE 1SR154-400TE-25			
D990	6-501-817-01	DIODE MA2J1110GLS0			
D991	6-501-817-01	DIODE MA2J1110GLS0			
		< GROUND TERMINAL >			
ET901	1-537-738-21	TERMINAL, GROUND (US, CND)			
		< FUSE HOLDER >			
FH901	1-533-217-41	HOLDER, FUSE			
FH902	1-533-217-41	HOLDER, FUSE			
		< TRANSISTOR >			
Q901	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q990	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
		< RESISTOR >			
⚠ R901	1-219-237-11	SOLID	3.3M	20%	1/2W (US, CND)
⚠ R902	1-249-381-11	CARBON	1	5%	1/4W
R903	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R904	1-216-841-11	METAL CHIP	47K	5%	1/10W
⚠ R910	1-243-634-11	FUSIBLE	0.22	5%	1/2W
⚠ R911	1-243-634-11	FUSIBLE	0.22	5%	1/2W
R990	1-216-841-11	METAL CHIP	47K	5%	1/10W
R991	1-216-837-11	METAL CHIP	22K	5%	1/10W
R993	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< RELAY >			
⚠ RY901	1-755-541-11	RELAY			
		< TRANSFORMER >			
⚠ T902	1-443-516-11	POWER TRANSFORMER (US, CND)			
⚠ T902	1-443-517-11	POWER TRANSFORMER (AEP, AUS, AR)			
⚠ T902	1-443-520-11	POWER TRANSFORMER (E51)			
**********					
		MISCELLANEOUS			
		**********			
9	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)			
⚠ 59	1-783-820-11	CORD, POWER (US, CND)			
⚠ 59	1-777-071-83	CORD, POWER (AEP, E51)			
⚠ 59	1-829-387-11	CORD, POWER (AR)			
⚠ 59	1-833-566-21	POWER SUPPLY CORD (AUS)			
61	1-828-951-11	WIRE (FLAT TYPE) (9 CORE) (EXCEPT AEP)			
61	1-828-961-51	WIRE (FLAT TYPE) (11 CORE) (AEP)			
⚠ F901	1-533-452-12	FUSE, GLASS TUBE (DIA. 5) (4A/125V) (US, CND)			
⚠ F901	1-532-464-33	FUSE (T2.5AL/250V) (AEP, AUS, AR, E51)			
⚠ F4001	1-532-465-33	FUSE (T3.15A/250V)			
⚠ F4002	1-532-465-33	FUSE (T3.15A/250V)			
⚠ Q603	6-702-390-01	IC MN2488-OPY-MK			
⚠ Q604	6-702-391-01	IC MP1620-OPY-MK			
⚠ Q653	6-702-390-01	IC MN2488-OPY-MK			
⚠ Q654	6-702-391-01	IC MP1620-OPY-MK			
⚠ Q703	6-702-390-01	IC MN2488-OPY-MK			
⚠ Q704	6-702-391-01	IC MP1620-OPY-MK			
⚠ Q753	6-702-390-01	IC MN2488-OPY-MK			
⚠ Q754	6-702-391-01	IC MP1620-OPY-MK			
⚠ Q803	6-702-390-01	IC MN2488-OPY-MK			

Ref. No.	Part No.	Description	Remark
⚠ Q804	6-702-391-01	IC MP1620-OPY-MK	
⚠ Q853	6-702-390-01	IC MN2488-OPY-MK	
⚠ Q854	6-702-391-01	IC MP1620-OPY-MK	
⚠ T901	1-443-526-11	POWER TRANSFORMER (E51)	
⚠ T901	1-443-909-11	POWER TRANSFORMER (US, CND)	
⚠ T901	1-443-916-11	POWER TRANSFORMER (AEP, AUS, AR)	
TN1	1-693-733-31	TUNER (FM/AM) (US, CND, E51)	
TN1	1-693-735-21	TUNER (FM/AM) (AR, AUS)	
TN1	1-693-736-21	TUNER (FM/AM) (AEP)	

Ref. No.	Part No.	Description	Remark

REVISION HISTORY

Checking the version allows you to jump to the revised page.
Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2008.02	NEW
1.1	2008.05	Dropped of UK model
		Change of D910, D911, D912, D913 on STANDBY BOARD. (ECN:ECC67845)
		Change of suffix on DIGITAL BOARD (ECN:ECC76837)
		Change of Q722 on MAIN BOARD (ECN:ECC78137)
1.2	2009.04	Additional of Australian model
1.3	2009.06	Additional of Argentina, Chilean and Peruvian models.
1.4	2010.08	Change destination order in cover page.