

STR-DG520

SERVICE MANUAL

Ver. 1.1 2008.05

US Model
Canadian Model
AEP Model
UK Model
Australian Model
Taiwan Model



Photo: Black type

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION: (Models of area code US only)

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

Amplifier section

Models of area code US, CND ¹⁾

Minimum RMS Output Power (8 ohms, 20 Hz – 20 kHz, THD 0.09%)
90 W + 90 W

Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)
100 W + 100 W

Surround Mode Output Power ²⁾ (8 ohms, 1 kHz, THD 10%)
130 W/ch

Models of area code AEP, UK, AUS, ECE ¹⁾

Minimum RMS Output Power (8 ohms, 20 Hz – 20 kHz, THD 0.09%)
85 W + 85 W

Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)
100 W + 100 W

Surround Mode Output Power ²⁾ (8 ohms, 1 kHz, THD 10%)
130 W/ch

Models of area code TW ¹⁾

Minimum RMS Output Power (8 ohms, 20 Hz – 20 kHz, THD 0.09%)
70 W + 70 W

Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)
100 W + 100 W

Surround Mode Output Power ²⁾ (8 ohms, 1 kHz, THD 10%)
130 W/ch

– Continued on next page –

MULTI CHANNEL AV RECEIVER

STR-DG520

Ver. 1.1

1) Measured under the following conditions:

Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP, UK, ECE	230 V AC, 50 Hz
AUS	240 V AC, 50 Hz
TW	110 V AC, 60 Hz

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

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

3) INPUT SHORT (with sound field and tone bypassed).

4) Weighted network, input level.

FM tuner section

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

AM tuner section

Tuning range	
Models of area code US, CND	
With 10-kHz tuning scale:	530 – 1,710 kHz ⁵⁾
With 9-kHz tuning scale:	531 – 1,710 kHz ⁵⁾
Models of area code AEP, UK, AUS, ECE, TW	
With 9-kHz tuning scale:	531 – 1,602 kHz
Antenna	Loop antenna
Intermediate frequency	450 kHz

5) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down TUNING MODE, press I/⏏. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

Video section

Inputs/Outputs	
Video:	1 Vp-p/75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p/75 ohms P _B /C _B : 0.7 Vp-p/ 75 ohms P _R /C _R : 0.7 Vp-p/ 75 ohms 80 MHz HD Pass Through

General

Power requirements	
Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP, UK, ECE	230 V AC, 50/60 Hz
AUS	240 V AC, 50 Hz
TW	110 V AC, 60 Hz

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

Power consumption	
Area code	Power consumption
US, AEP, UK, AUS, ECE	220 W
CND	300 VA
TW	500 W

Power consumption (during standby mode)	
	0.3 W
Dimensions (w/h/d) (Approx.)	
	430 × 157.5 × 318 mm (16 7/8 × 6 2/8 × 12 5/8 inches) including projecting parts and controls
Mass (Approx.)	7.7 kg (16 lb 16 oz)

Supplied accessories	
Operating Instruction (1)	
Quick Setup Guide (1)	
FM wire antenna (aerial) (1)	
AM loop antenna (aerial) (1)	
Remote commander RM-AAU020 (1)	
R6 (size-AA) batteries (2)	
Optimizer microphone ECM-AC2 (1) (AEP, UK, AUS, ECE, TW)	

Design and specifications are subject to change without notice.

• Abbreviation	
AUS	: Australian model
CND	: Canadian model
ECE	: Continental European, East European and Russian models
TW	: Taiwan model

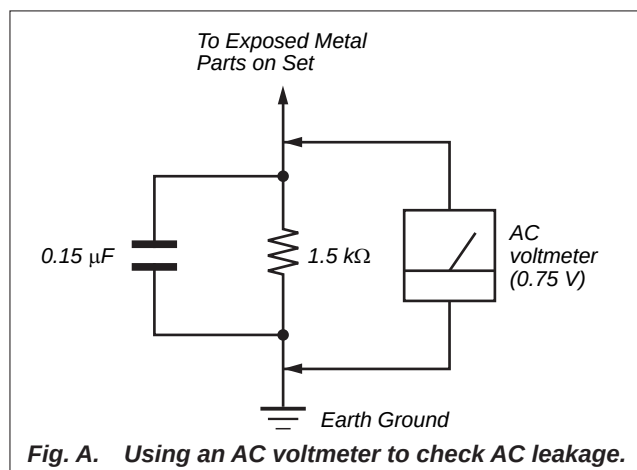
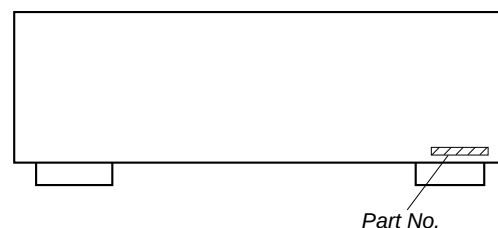
SAFETY CHECK-OUT (US MODEL)

After correcting the original service problem, perform the following safety check before releasing the set to the customer: Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

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

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

**MODEL IDENTIFICATION****–BACK PANEL–**

Model	Part No.
US	3-279-308-0□
CND	3-279-308-1□
AEP, UK	3-279-308-2□
AUS	3-279-308-3□
ECE	3-279-308-4□
TW	3-279-308-5□

- Abbreviation
AUS : Australian model
CND : Canadian model
ECE : Continental European,
East European and
Russian models
TW : Taiwan 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)

LF : LEAD FREE MARK

Unleaded solder has the following characteristics.

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

SAFETY-RELATED COMPONENT WARNING!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

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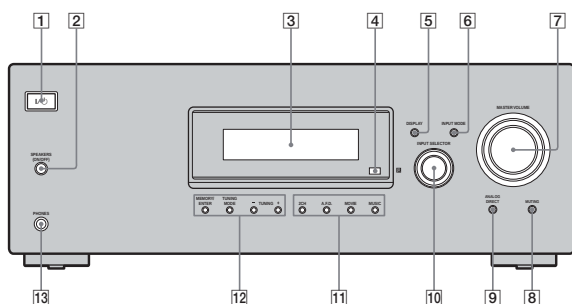
SECTION 1
GENERALThis section is extracted
from instruction manual.

• US, Canadian model

Getting Started

Description and location of parts

Front panel



Name	Function
1 II/0 (on/standby)	Press to turn the receiver on or off (page 25, 29, 30, 45, 62).
2 SPEAKERS (ON/OFF)	Press to turn the speaker system on or off (page 14).
3 Display	The current status of the selected component or a list of selectable items appears here (page 7).
4 Remote sensor	Receives signals from remote commander.
5 DISPLAY	Press to select information displayed on the display (page 53).
6 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks (page 50).

Name	Function
7 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time (page 27, 28, 29, 30).
8 MUTING	Press to turn off the sound temporarily. Press MUTING again to restore the sound (page 28).
9 ANALOG DIRECT	Press to listen to high quality analog sound (page 45).
10 INPUT SELECTOR	Turn to select the input source to play back (page 28, 29, 30, 45, 46, 48, 49, 50, 52, 54).
11 2CH A.F.D. MOVIE MUSIC	Press to select a sound field (page 40).

continued

5^{US}

Name	Function
12 MEMORY/ ENTER TUNING MODE TUNING +/-	Press to operate the tuner (FM/AM) (page 46).
13 PHONES jack	Connects to headphones (page 58).

Getting Started

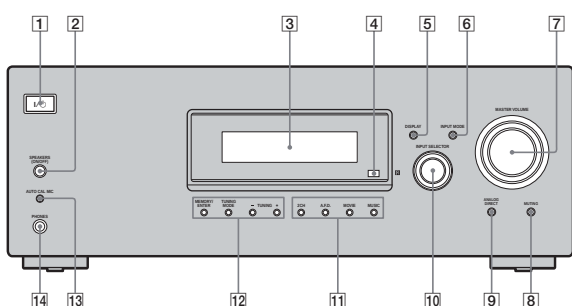
6^{US}

• Except US, Canadian model

Getting Started

Description and location of parts

Front panel



Name	Function
1 II/0 (on/standby)	Press to turn the receiver on or off (page 25, 32, 33, 49).
2 SPEAKERS (ON/OFF)	Press to turn the speaker system on or off (page 14).
3 Display	The current status of the selected component or a list of selectable items appears here (page 7).
4 Remote sensor	Receives signals from remote commander.
5 DISPLAY	Press to select information displayed on the display (page 54, 58).
6 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks (page 55).

Name	Function
7 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time (page 30, 31, 32, 33).
8 MUTING	Press to turn off the sound temporarily. Press MUTING again to restore the sound (page 31).
9 ANALOG DIRECT	Press to listen to high quality analog sound (page 49).
10 INPUT SELECTOR	Turn to select the input source to play back (page 31, 32, 33, 49, 50, 52, 53, 55, 58, 59).
11 2CH A.F.D. MOVIE MUSIC	Press to select a sound field (page 44).

continued

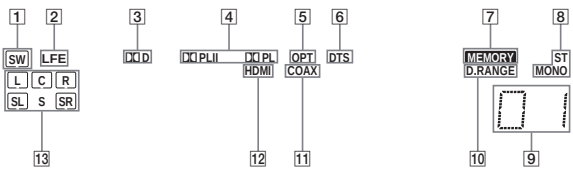
5^{GB}

Name	Function
12 MEMORY/ ENTER TUNING MODE TUNING +/-	Press to operate the tuner (FM/AM) (page 50).
13 AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Auto Calibration function (page 27).
14 PHONES jack	Connects to headphones (page 64).

Getting Started

6^{GB}

About the indicators on the display



Name	Function
1 SW	Lights up when sub woofer selection is set to "YES" (page 37) and the audio signal is output from the SUB WOOFER jack.
2 LFE	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 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. However, these indicators do not light up if both the center and surround speakers are set to "NO" (page 33) and you select a sound field using the A.F.D. button.

Name	Function
5 OPT	Lights up when BD input is selected. However, "UNLOCK" appears on the display if no digital signal is input through the OPTICAL jack. "OPT" also lights up when SAT input is selected if INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the OPTICAL jack.
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 48), etc., is activated.
8 Tuner indicators	Lights up when using the receiver to tune in radio stations (page 46), etc.
9 Preset station indicators	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations, see page 47.
10 D.RANGE	Lights up when dynamic range compression is activated (page 32).

Getting Started

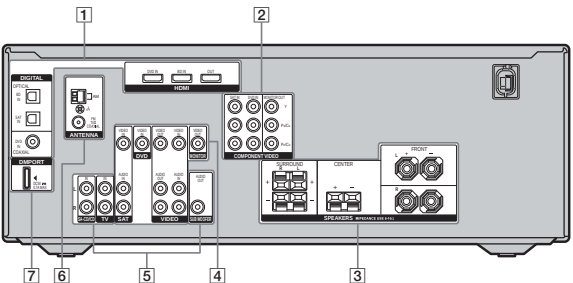
Name	Function
11 COAX	Lights up when DVD input is selected. However, "UNLOCK" appears on the display if no digital signal is input through the COAXIAL jack.
12 HDMI	Lights up when the receiver recognizes a component connected via a HDMI IN jack (page 17).
13 Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speaker settings). Front Left Front Right Center (monaural) Surround Left Surround Right Surround (monaural or the surround components obtained by Pro Logic processing) Example: Recording format (Front/ Surround): 3/2.1 Output channel: When surround speakers are set to "NO" (page 33) Sound Field: A.F.D. AUTO

continued

7^{JS}

8^{JS}

Rear panel



1 DIGITAL INPUT/OUTPUT section		
	OPTICAL IN jacks	Connects to a DVD player, etc. The COAXIAL jack provides a better sound quality (page 17, 20, 22).
	COAXIAL IN jack	
	HDMI IN/OUT jacks*	Connects to a DVD player or a Blu-ray disc player. The image and the sound are output to a TV (page 17).

2 COMPONENT VIDEO INPUT/OUTPUT section		
	COMPONENT VIDEO INPUT/OUTPUT jacks*	Connects to a DVD player, TV, or a satellite tuner. You can enjoy high quality image (page 19, 20, 22).

3 SPEAKERS section	
	Connects to speakers (page 14).

4 VIDEO/AUDIO INPUT/OUTPUT section		
	AUDIO IN/OUT jacks	Connects to video and audio jacks of a VCR, a DVD player, etc. (page 19-23).
	VIDEO IN/OUT jacks*	

5 AUDIO INPUT section		
	AUDIO IN jacks	Connects to a Super Audio CD player, CD player, etc. (page 15).
	AUDIO OUT jack	Connects to a sub woofer (page 14).

Getting Started

6 ANTENNA section

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

7 DMPORT

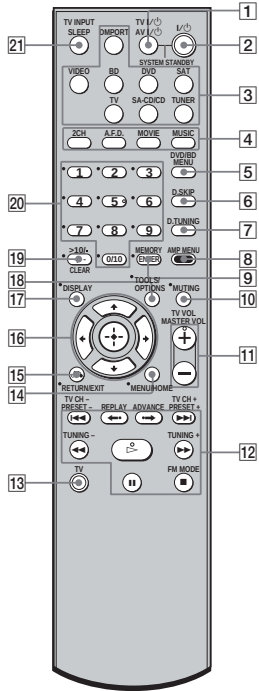
	DMPORT jack	Connects to a DIGITAL MEDIA PORT adapter (page 51).
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* You can watch the selected input image when you connect the HDMI OUT or MONITOR OUT jack to a TV or projector (page 17, 19).

Remote commander

You can use the supplied remote to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate (page 54).

RM-AAU020



continued

9^{JS}

10^{JS}

Name	Function
1 TV I/⏻ (on/standby)	Press TV I/⏻ and TV (13) at the same time to turn the TV on or off.
AV I/⏻ (on/standby)	Press to turn on or off the Sony audio/video components that the remote is assigned to operate (page 54). 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 steps in "Changing button assignments" on page 54.
4 2CH A.F.D. MOVIE MUSIC	Press to select a sound field.
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	Press to skip a disc when using a multi-disc changer.
7 D.TUNING	Press to enter direct tuning mode.

Name	Function
8 AMP MENU	Press to display the menu of the receiver. Then, use ⬆, ⬇, ⬆, ⬇ and Ⓜ (16) to perform menu operations.
9 MEMORY ENTER	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 (13) at the same time to activate the TV's muting function.
11 TV VOL +^{a)}/–	Press TV VOL +/– and TV (13) at the same time to adjust the TV volume level.
MASTER VOL +^{a)}/–	Press to adjust the volume level of all speakers at the same time.
12 ◀◀/▶▶^{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.
▷^{a)}^{b)}	Press to start playback of the VCR, CD player, DVD player or Blu-ray disc player.
II^{b)}	Press to pause playback or recording of the VCR, CD player, DVD player or Blu-ray disc player. (Also starts recording with components in recording standby.)

Getting Started

Name	Function
■^{b)}	Press to stop playback of the VCR, CD player, DVD player or Blu-ray disc player.
FM MODE	Press to select the FM monaural or stereo reception.
TV CH +/–	Press TV CH +/– and TV (13) at the same time to select preset TV channels.
PRESET +/–	Press to select – preset stations. – preset channels of the VCR or satellite tuner.
TUNING +/–	Press to scan a station.
13 TV	Press TV and the button you want at the same time to activate the buttons with orange printing.
14 MENU/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 (13) at the same time to display the TV's menu. Then, use ⬆, ⬇, ⬆, ⬇ and Ⓜ (16) to perform menu operations.
15 RETURN/EXIT ⏮	Press to – return to the previous menu. – exit the menu while the menu or on-screen guide of the VCR, DVD player, satellite tuner or Blu-ray disc player is displayed on the TV screen. Press RETURN/EXIT ⏮ and TV (13) at the same time to return to the previous menu or exit the TV's menu while the menu is displayed on the TV screen.

Name	Function
16 Ⓜ ⬆/⬇/⬆/⬇	After pressing DVD/BD MENU (5), AMP MENU (8), or MENU/HOME (14), 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 (13) 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 (13) at the same time to display options applicable to the Sony TV.
19 -/--	Press to select the channel entry mode, either one or two digit of the VCR. Press -/-- and TV (13) at the same time to select the channel entry mode, either one or two digits of the TV.
>10/+	Press to select – track numbers over 10 of the VCR, satellite tuner or CD player. – channel numbers of the Digital CATV terminal.
CLEAR	Press to clear a mistake when you press the incorrect numeric button.

continued

11^{JS}12^{JS}

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 (13) at the same time to select the TV channels.
21 TV INPUT	Press TV INPUT and TV (13) at the same time to select the input signal (TV input or video input).
SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.

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

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

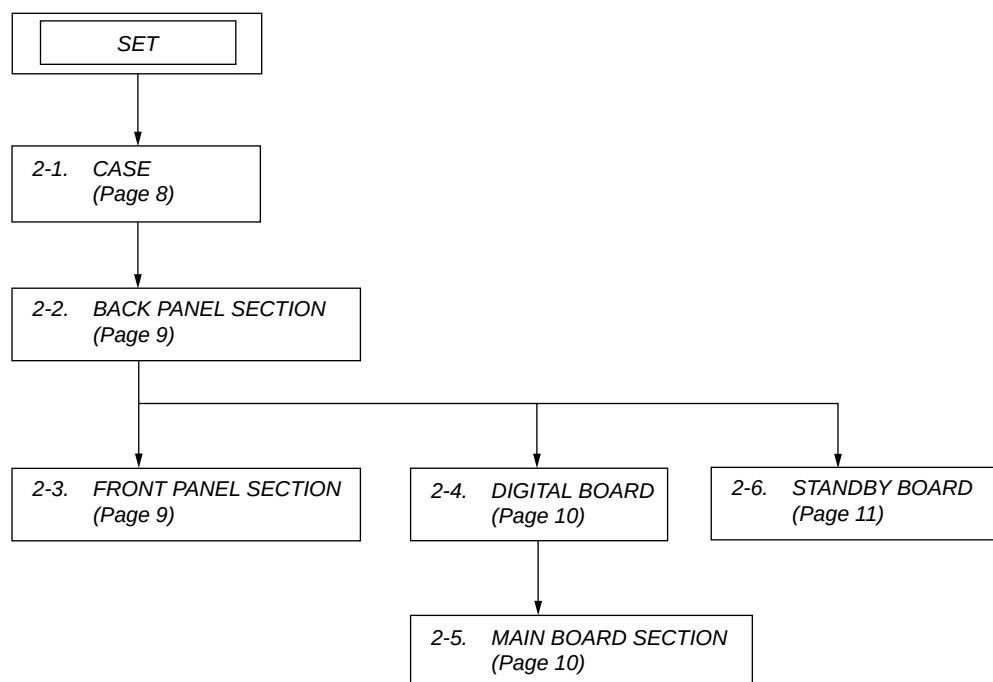
Notes

- 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.

Getting Started

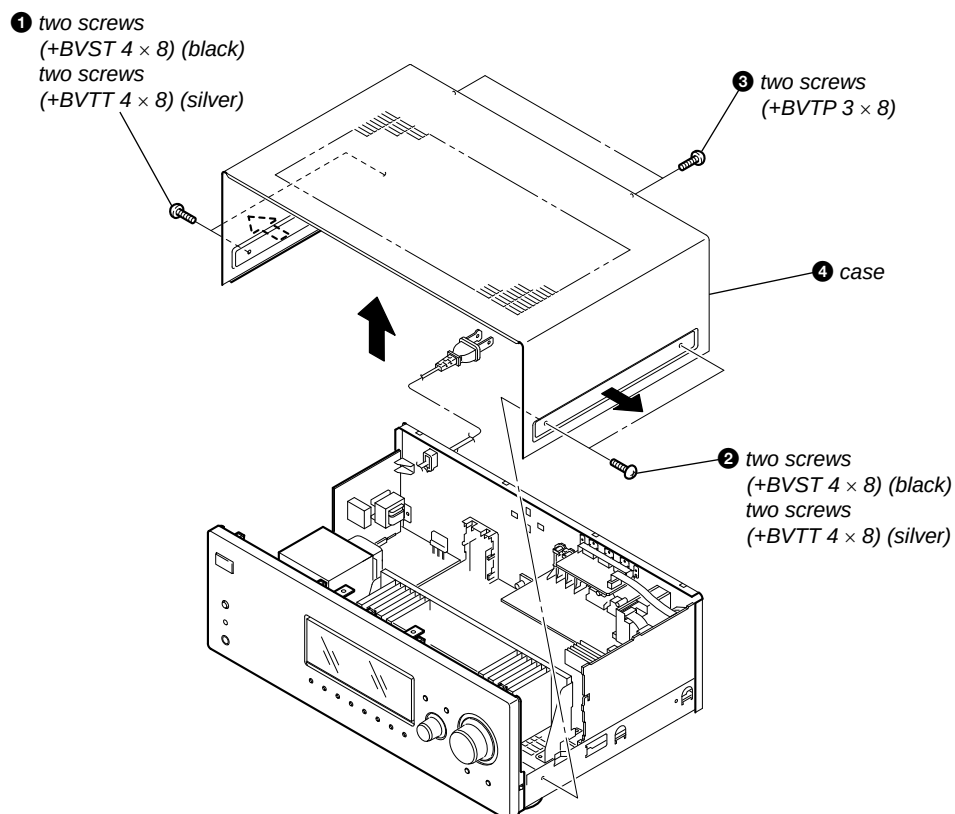
SECTION 2 DISASSEMBLY

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

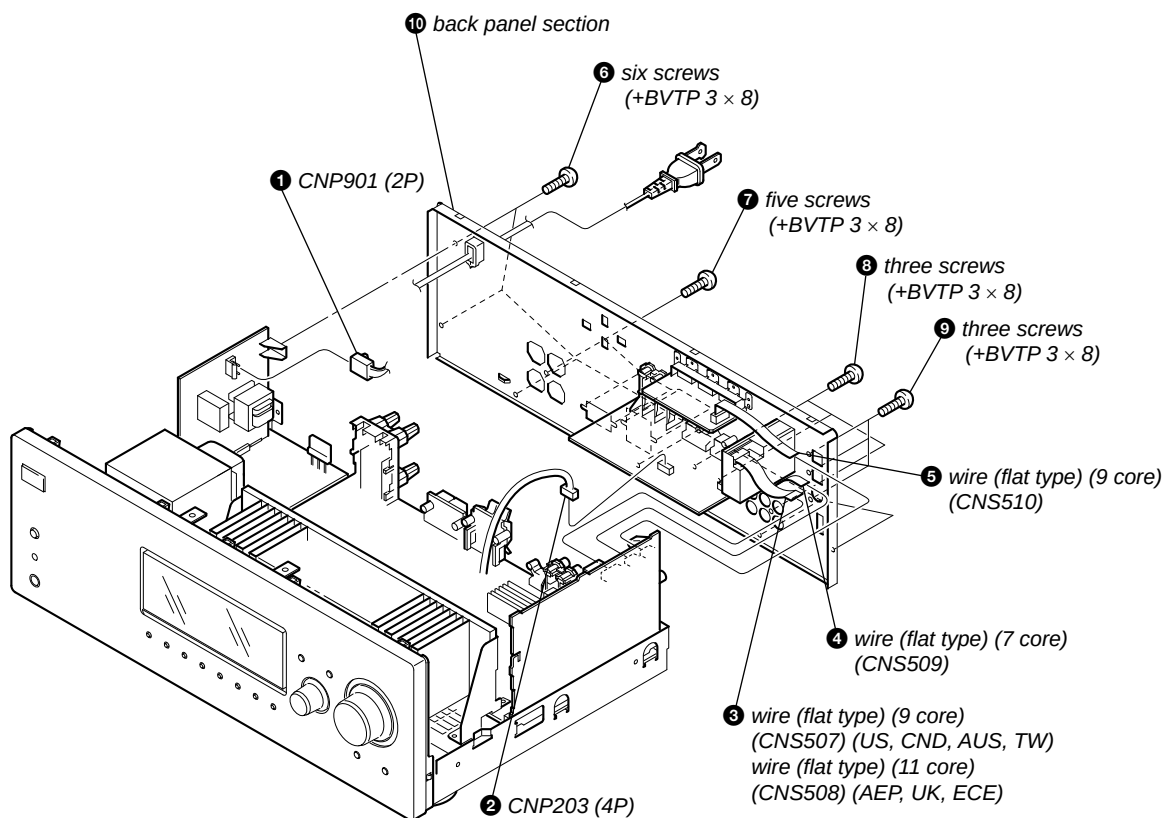


Note: Follow the disassembly procedure in the numerical order given.

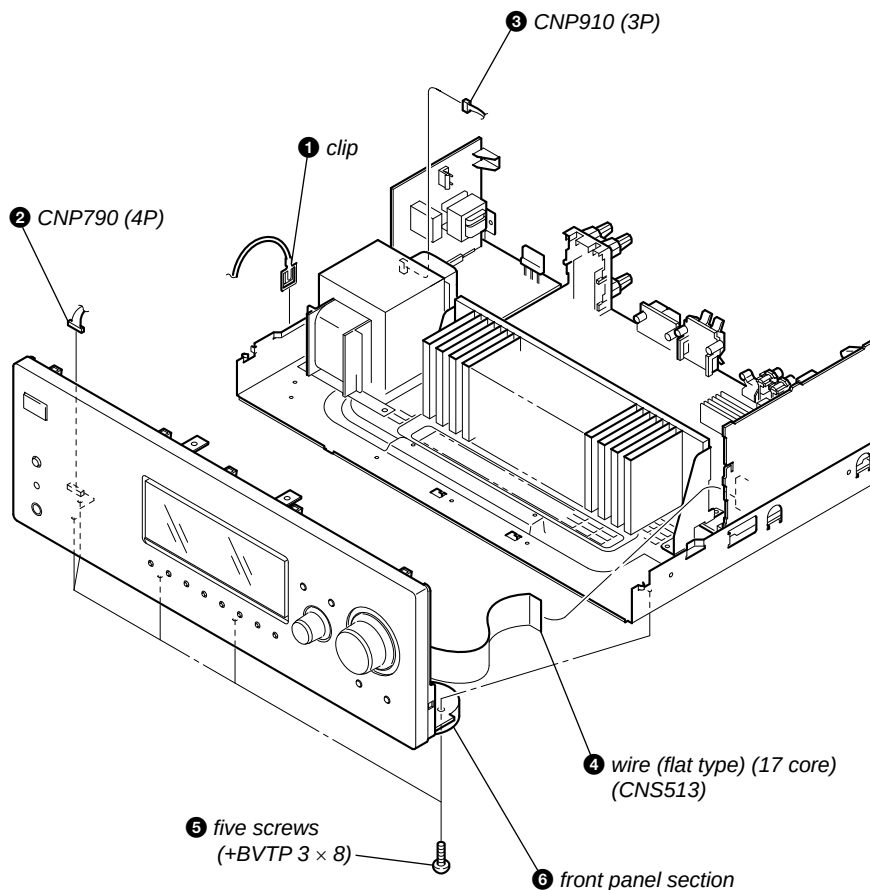
2-1. CASE



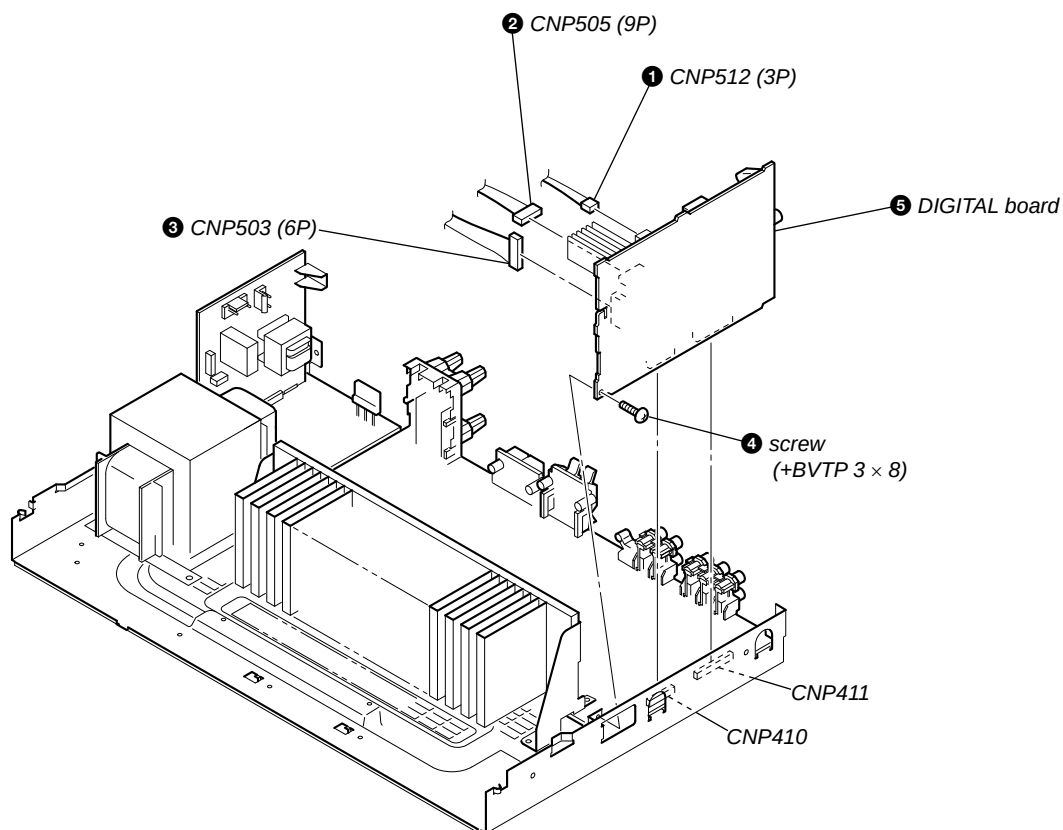
2-2. BACK PANEL SECTION



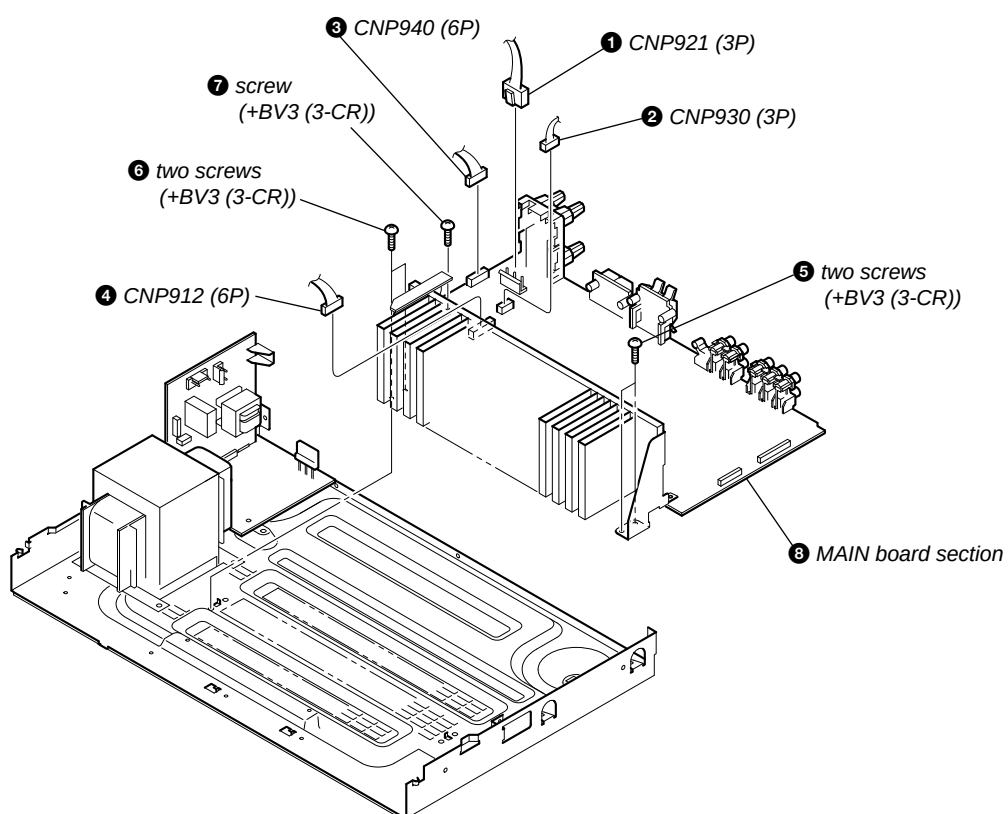
2-3. FRONT PANEL SECTION



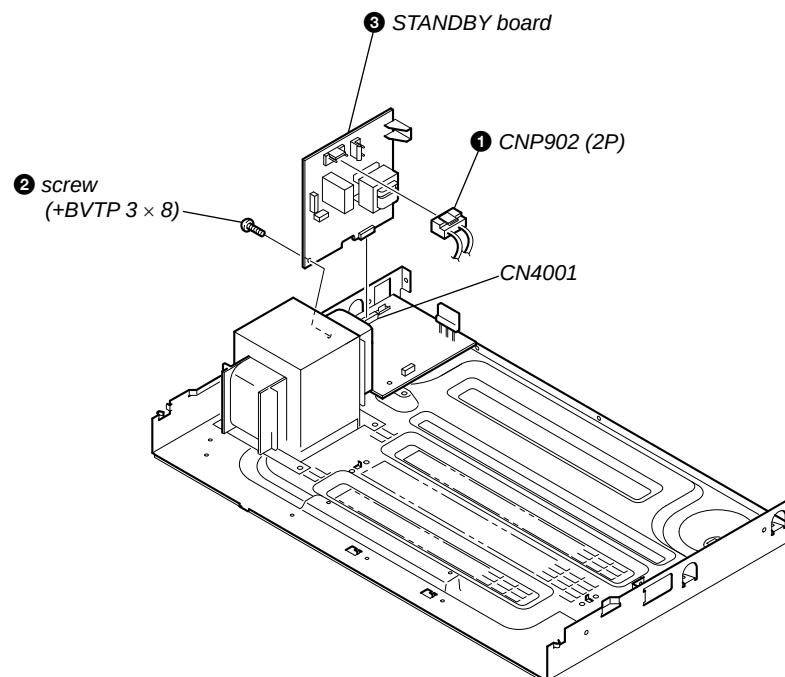
2-4. DIGITAL BOARD



2-5. MAIN BOARD SECTION



2-6. STANDBY BOARD



SECTION 3 TEST MODE

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

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

* Procedure:

Turn the [INPUT SELECTOR] control to set AM and press the [I/⏻] button to turn off the main power.

While depressing the [TUNING MODE] button, press the [I/⏻] button to turn on the main power.

Either the message “9k STEP” or “10k STEP” appears for a moment and select the desired step.

VACUUM FLUORESCENT DISPLAY TEST MODE

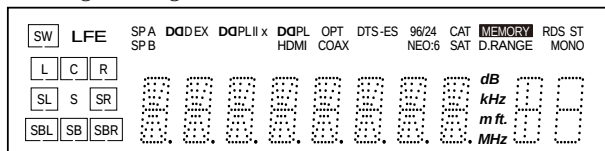
* All fluorescent segments are tested.

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

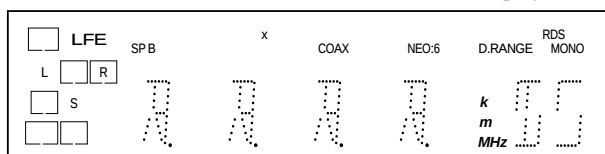
* Procedure:

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

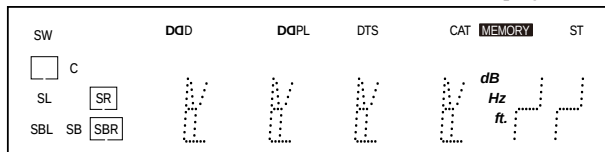
1. ALL segments light on.



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



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



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

SOUND FIELD CLEAR MODE

* The preset sound field is cleared when this mode is activated.

Use this mode before returning the product to clients upon completion of repair.

* Procedure:

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

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

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.

* Procedure:

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

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

KEY CHECK MODE

* Button check

* Procedure:

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

Either the message “REST 13” appears.

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

SWAP ALL MODE

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

* Procedure:

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

SHIPMENT MODE

All preset contents are reset to the default setting.

* Procedure:

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

RE-BOX CLASSIFICATION TEST MODE

* Procedure:

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

SECTION 4

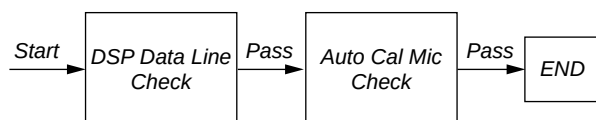
FM TUNER CHECK

DCAC FACTORY TEST MODE

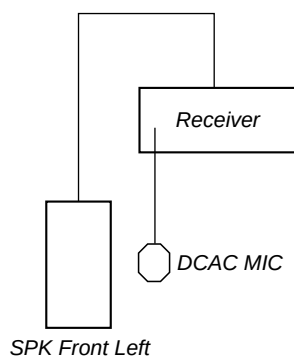
(Except US, Canadian model)

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 [MEMORY/ENTER] + [MOVIE] + [I/ψ].
“DCAC□FTM” appears.
Afterward, press the [TUNING MODE] to start DCAC factory test mode.

1. DCAC DSP Data Line Checking

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

“DCAC□□x” x=1, 2, 3

If there is error happen, below display will show:

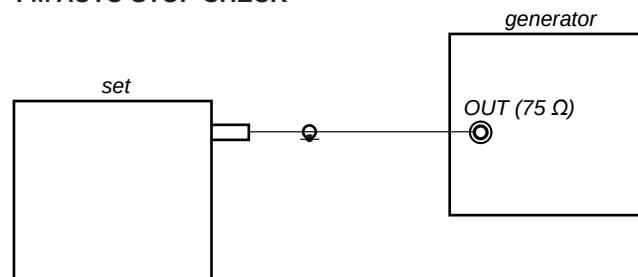
“ERR□SD0x” x=1 → D1501 or R1530 problem
x=2 → D1503 problem
x=3 → D1504 problem

2. DCAC board Checking

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

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

FM AUTO STOP CHECK



Procedure:

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

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

Deviation : 75 kHz

Modulation : 1 kHz

ANT input : 35 dBu (EMF)

Note:

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

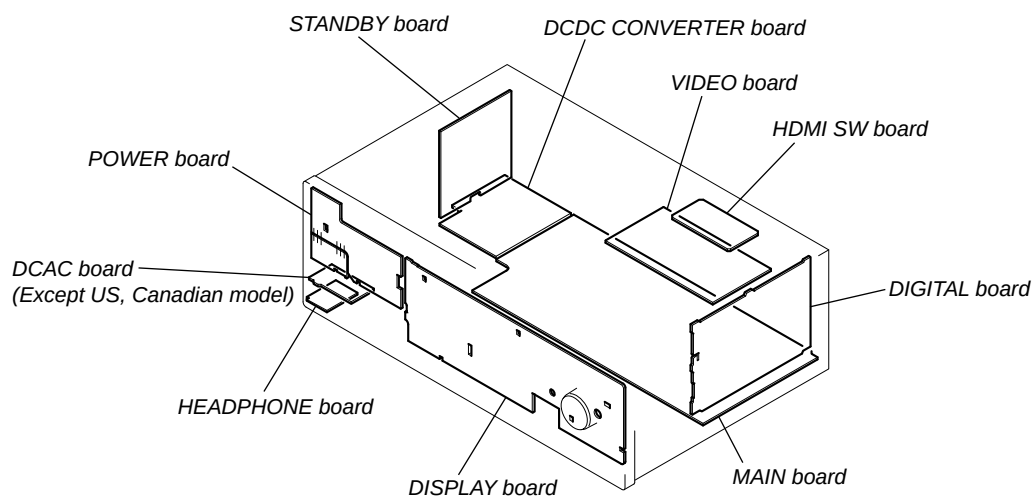
Please use SG whose output impedance is 75 ohm.

3. Set to FM tuner function and scan the input FM signal with automatic scanning.
4. Confirm that input Frequency of A, B and C are detected and automatic scanning stops.

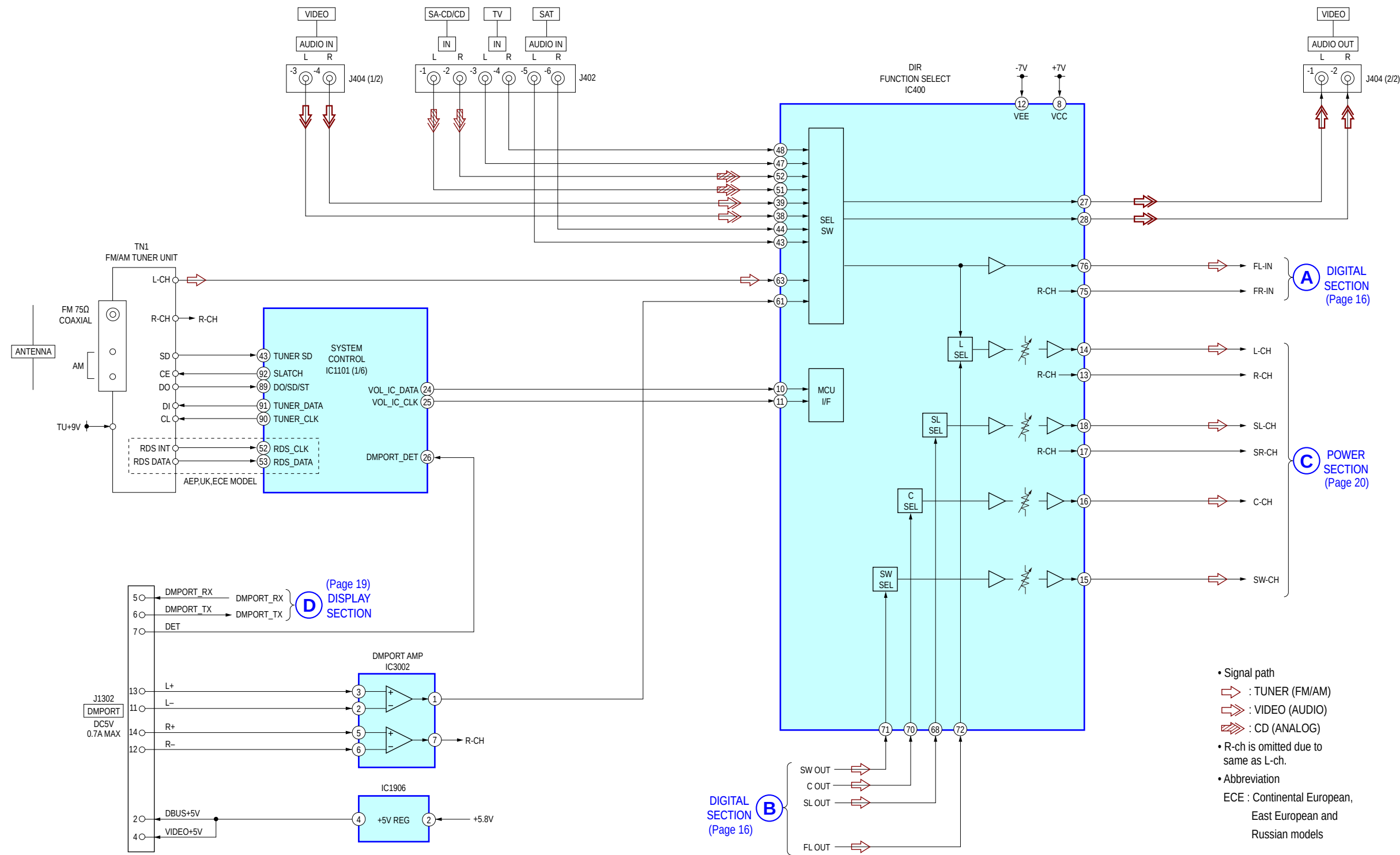
The stop of automatic scanning means “The station signal is received in good condition.”

SECTION 5 DIAGRAMS

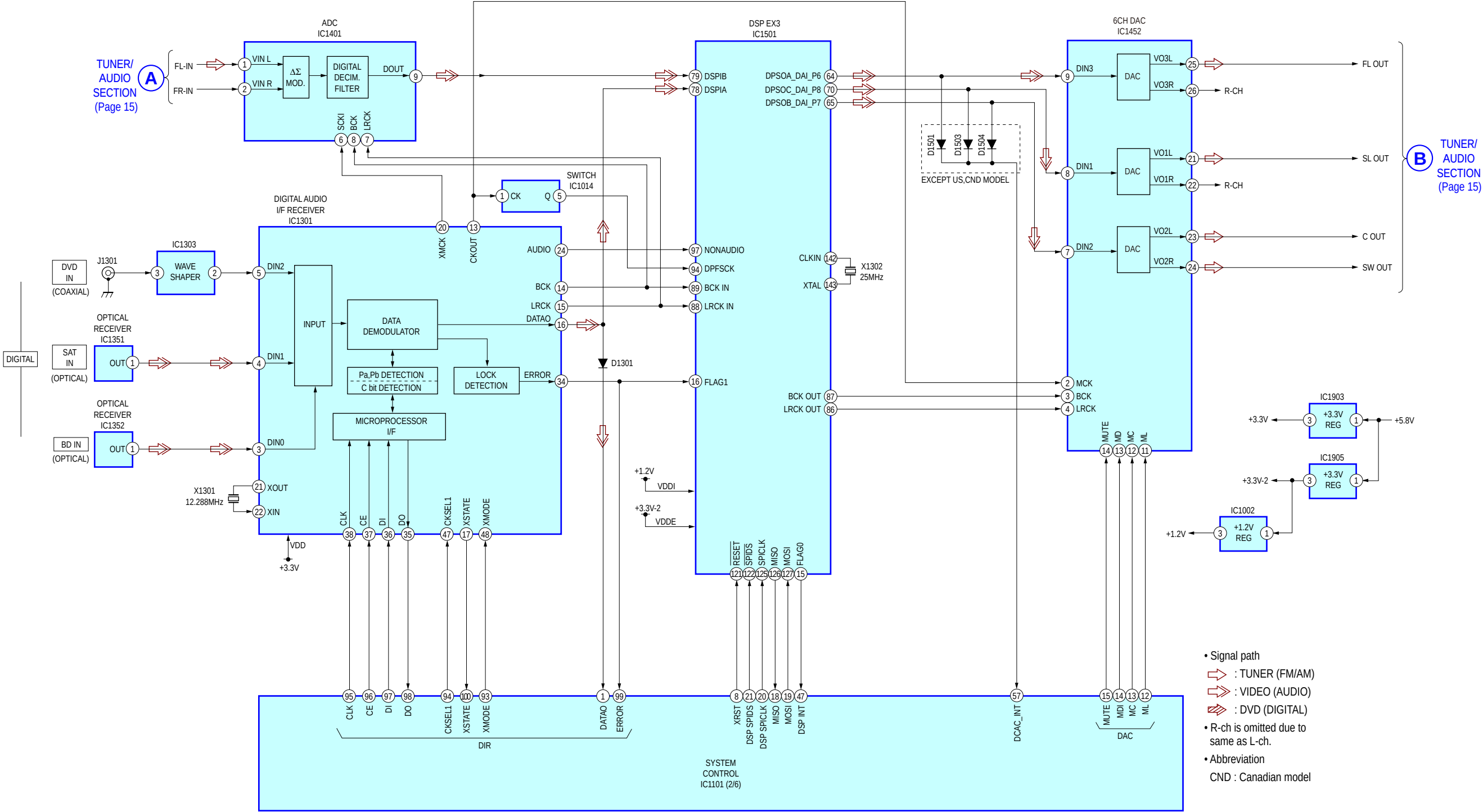
• Circuit Boards Location



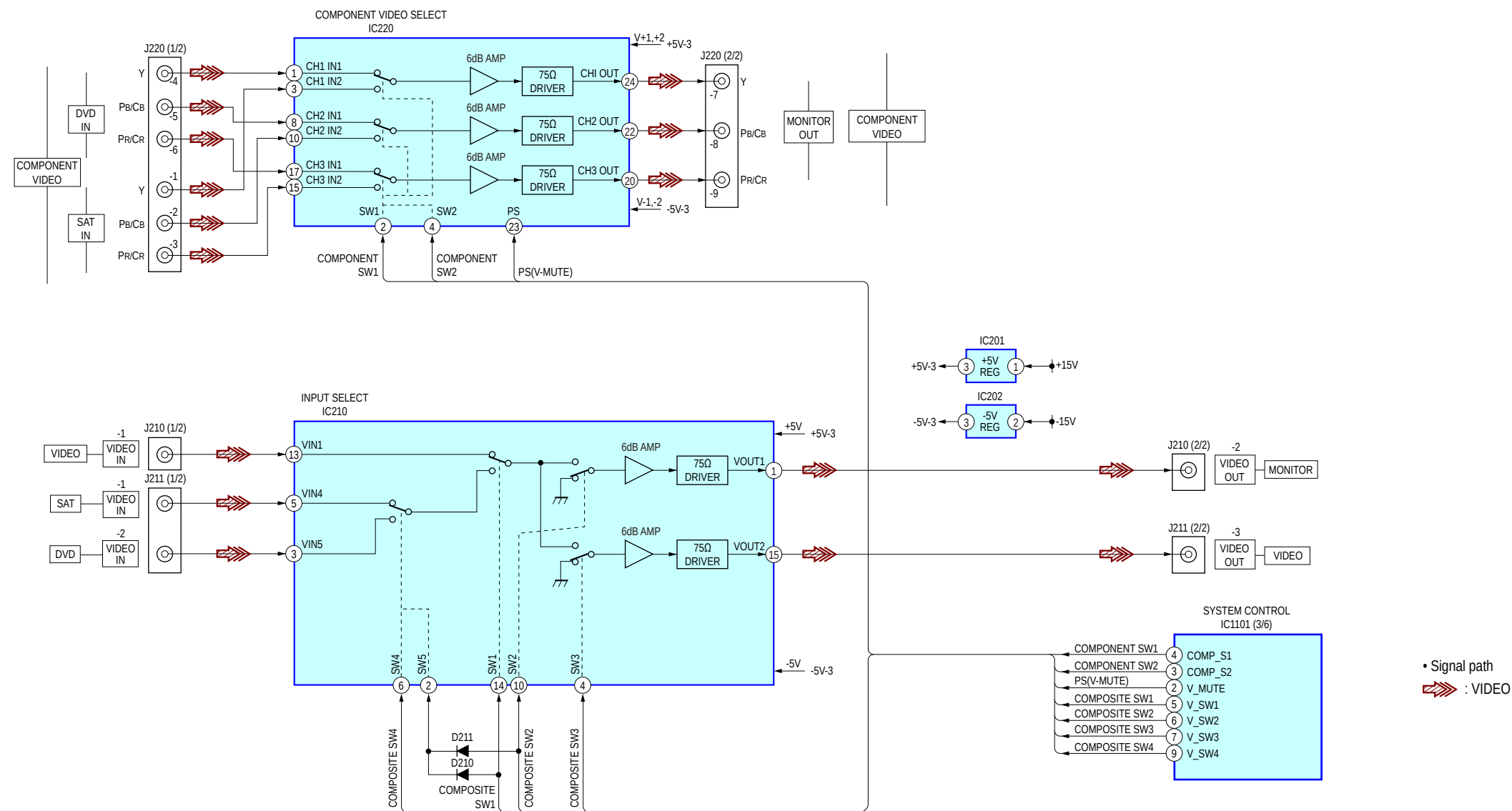
5-1. BLOCK DIAGRAM – TUNER/AUDIO Section –



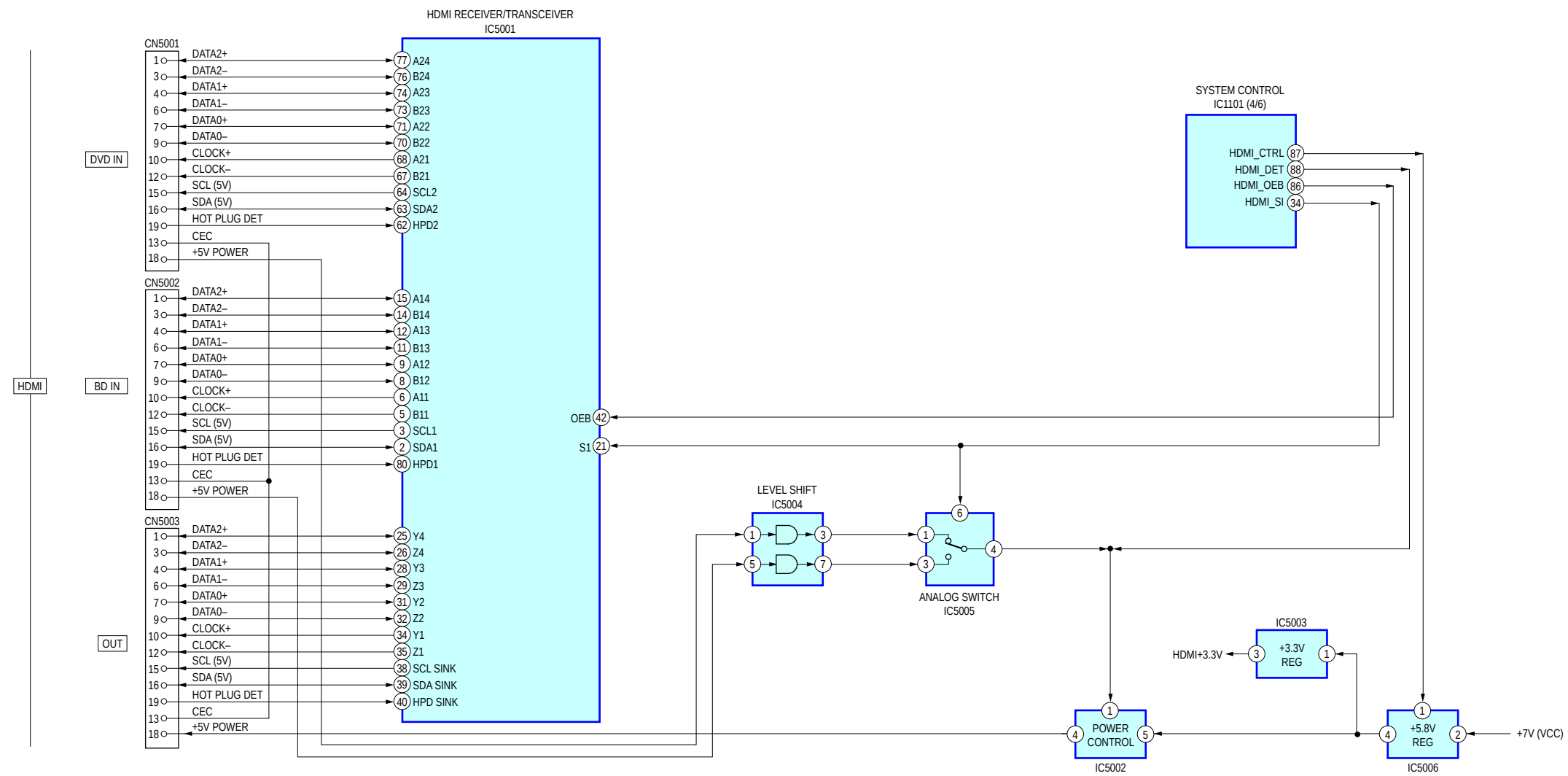
5-2. BLOCK DIAGRAM – DIGITAL Section –



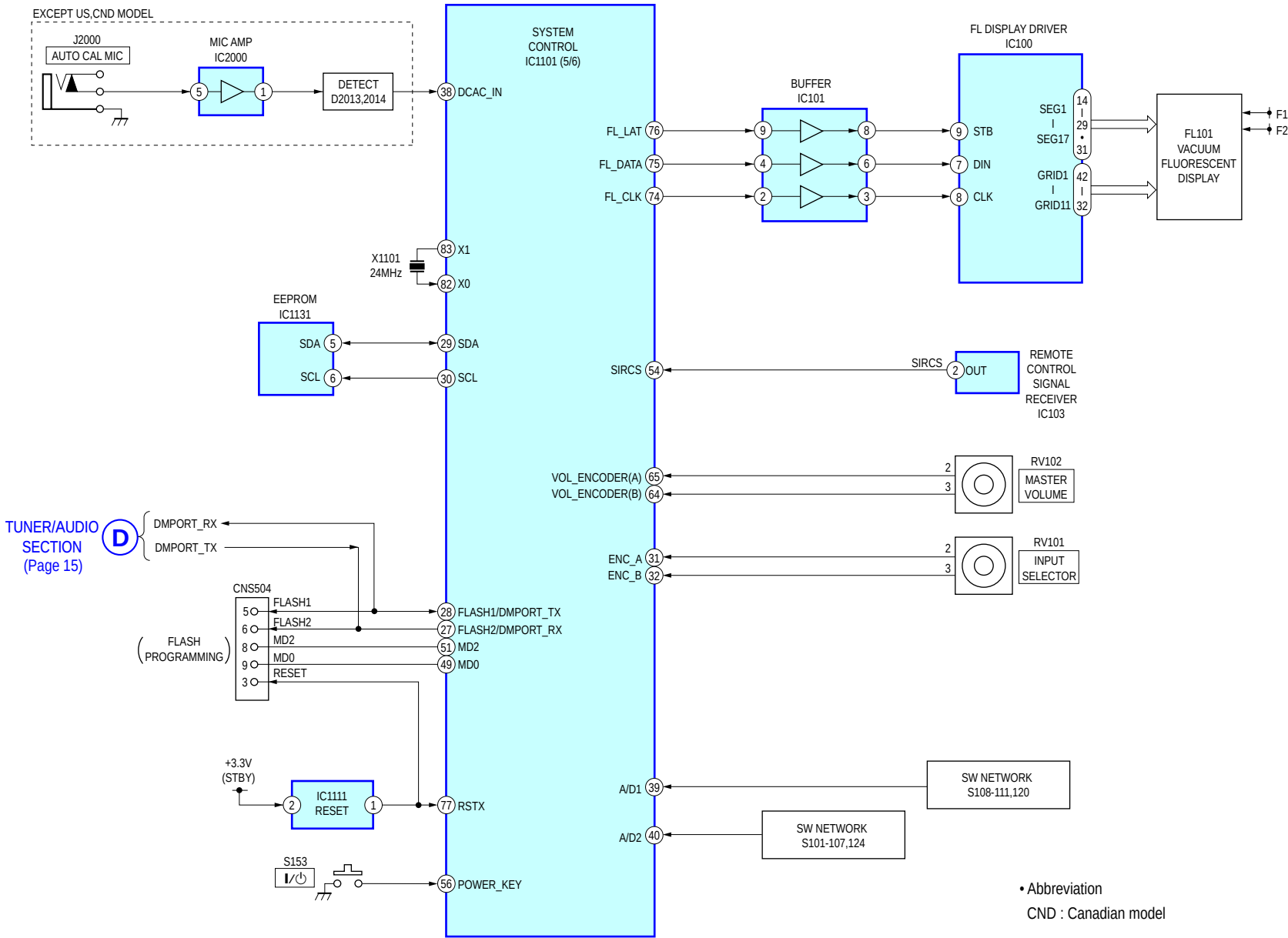
5-3. BLOCK DIAGRAM – VIDEO Section –



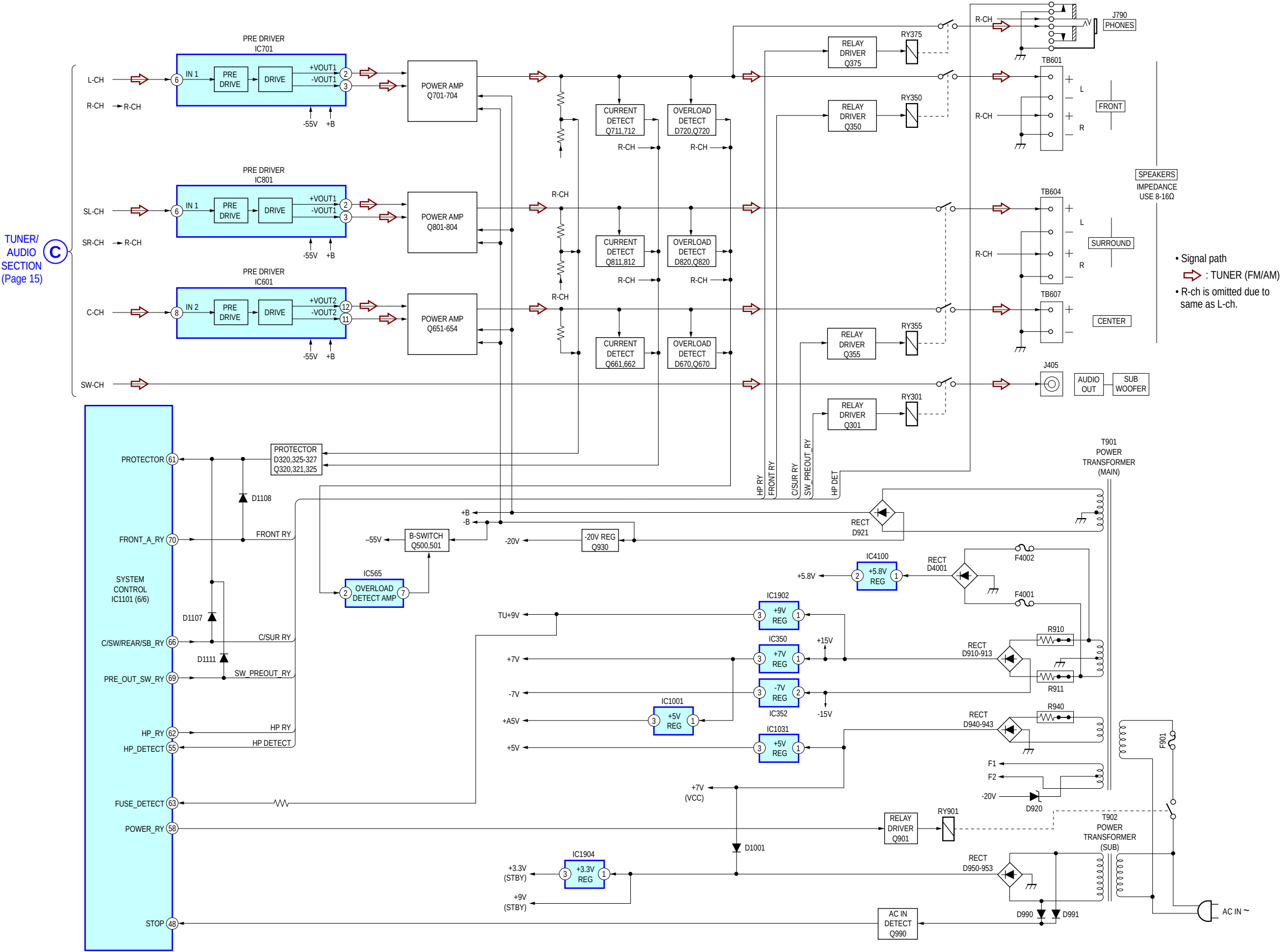
5-4. BLOCK DIAGRAM – HDMI SW Section –



5-5. BLOCK DIAGRAM – KEY/DISPLAY Section –



5-6. BLOCK DIAGRAM – POWER Section –



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

For Printed Wiring Boards.

- Note:
- : Parts extracted from the component side.
 - △ : internal component.
 - : Pattern from the side which enables seeing.

Caution:	
Parts face side:	Parts on the parts face side seen from the parts face are indicated.
Pattern face side:	Parts on the pattern face side seen from the pattern face are indicated.

- Abbreviation
 - AUS : Australian model
 - CND : Canadian model
 - ECE : Continental European, East European and Russian models
 - TW : Taiwan model

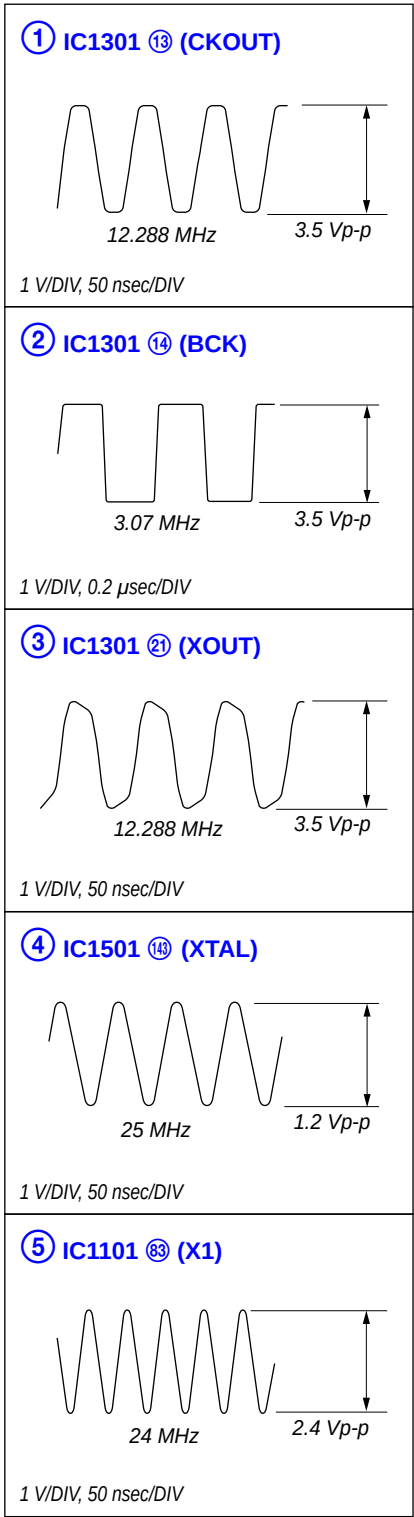
For Schematic Diagrams.

- 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 $\frac{1}{4}\text{ W}$ or less unless otherwise specified.
 - △ : internal component.
 - ⊞ : nonflammable resistor.
 - ⊞ : fusible resistor.
 - : panel designation.

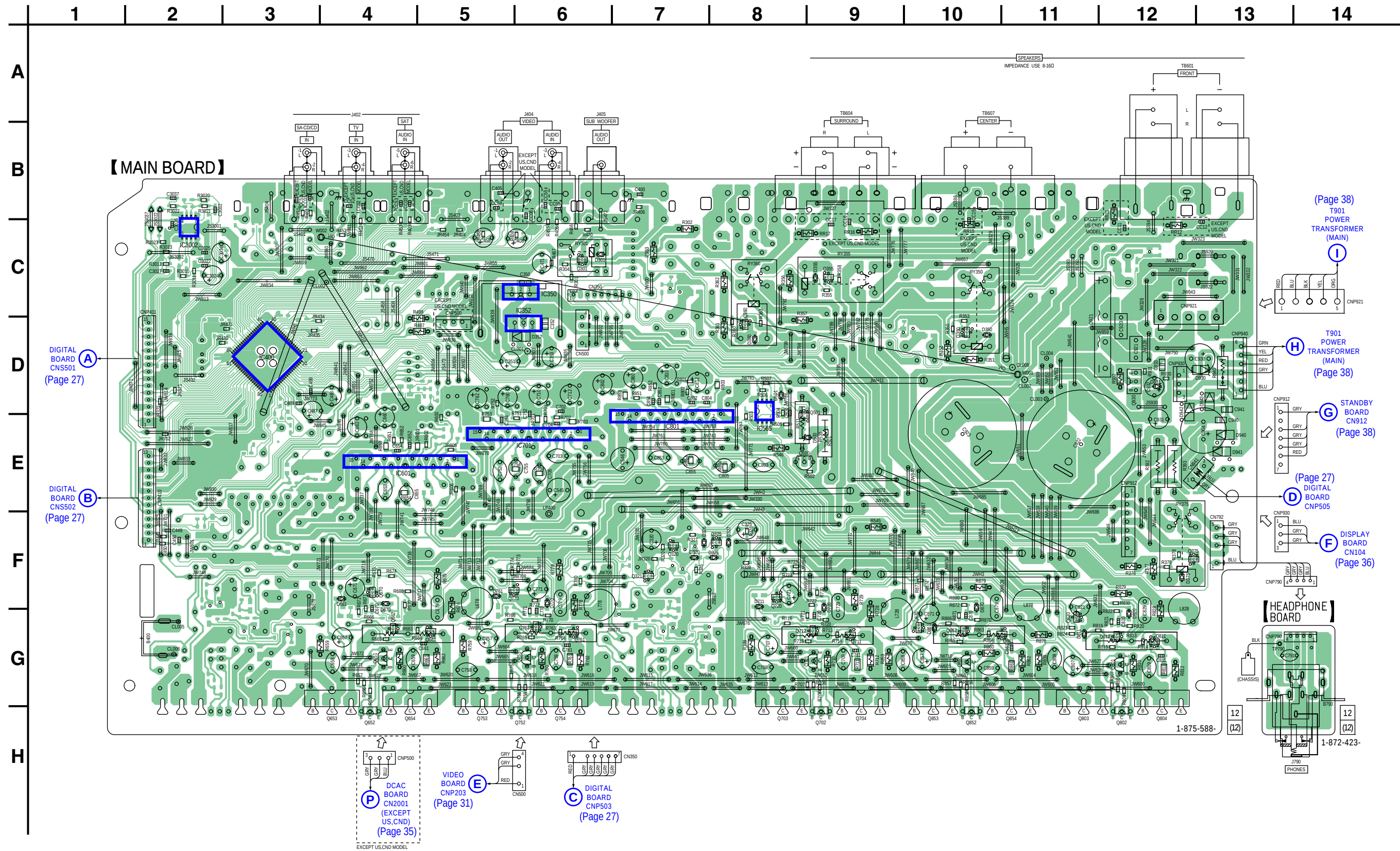
Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Note: Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
---	---

- : 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 VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - ⇨ : TUNER (FM/AM)
 - ⇨ : VIDEO (AUDIO)
 - ⇨ : VIDEO
 - ⇨ : DVD (DIGITAL)
 - ⇨ : CD (ANALOG)
- Abbreviation
 - AUS : Australian model
 - CND : Canadian model
 - ECE : Continental European, East European and Russian models
 - TW : Taiwan model

- Waveforms
- DIGITAL Board -



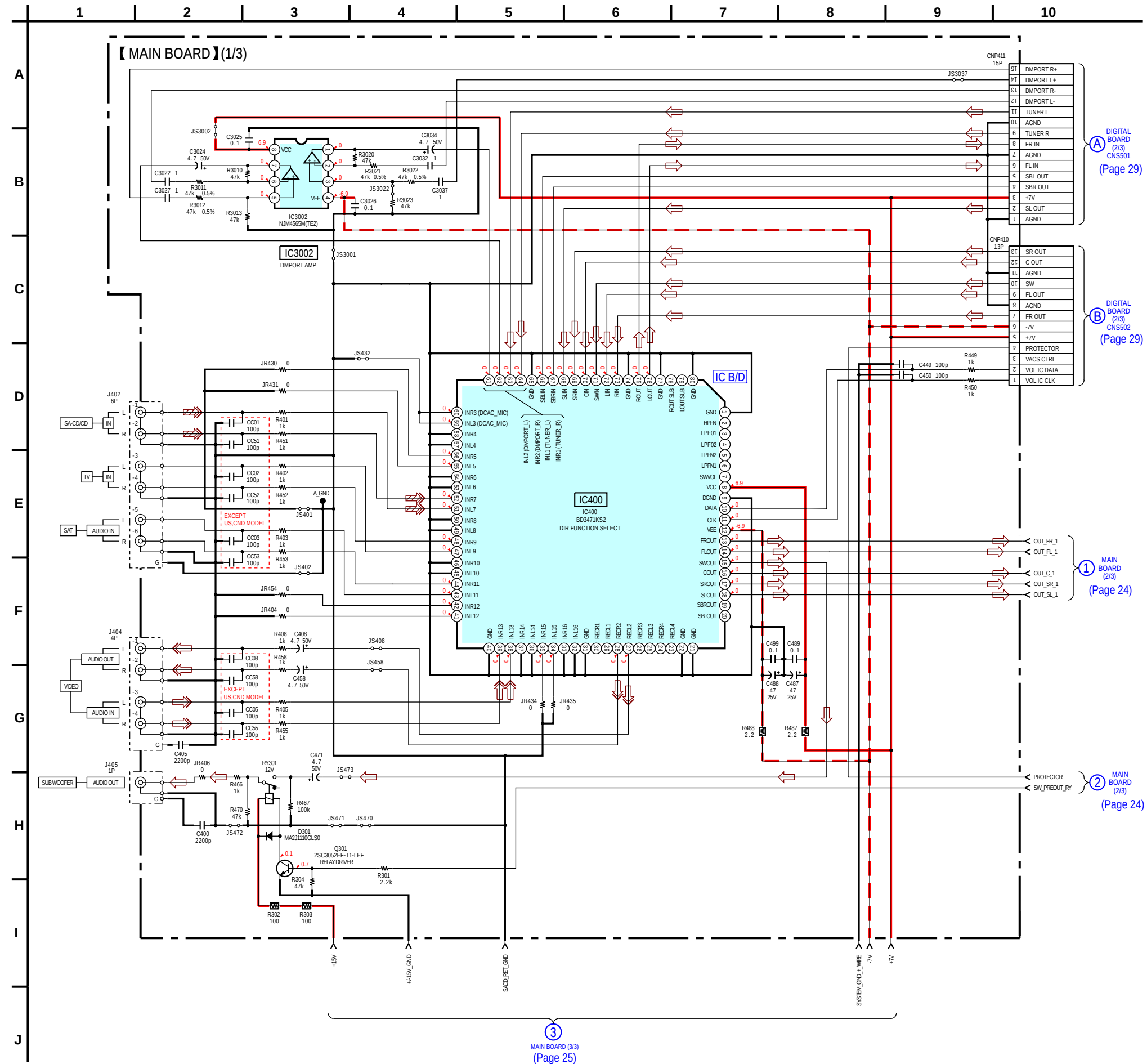
5-7. PRINTED WIRING BOARDS – MAIN Section – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.



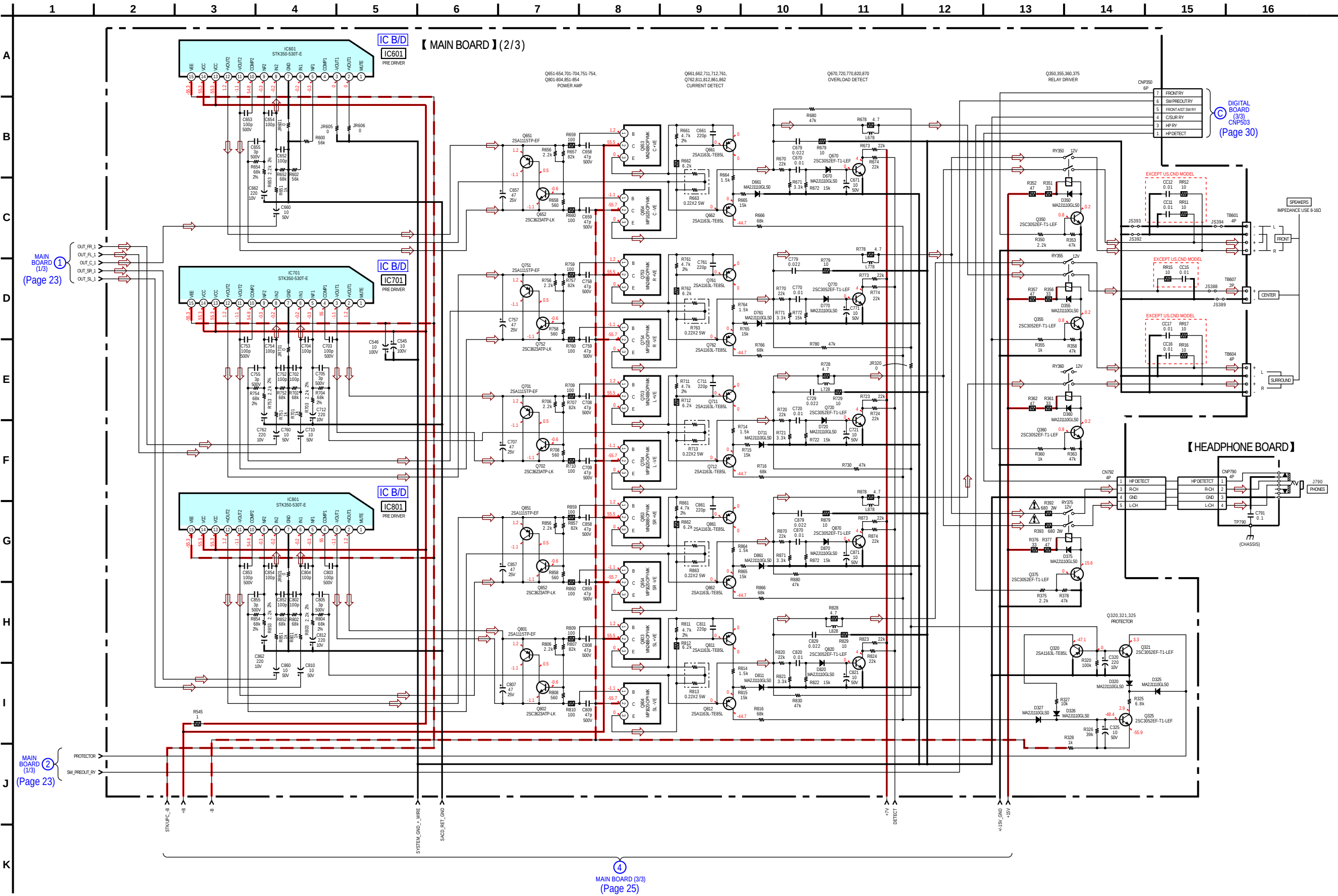
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D301	C-6	D360	C-8	D761	F-5	D931	D-12	IC400	D-3	Q320	F-7	Q501	D-9	Q701	G-9	Q752	H-6	Q803	H-11
D320	F-7	D375	F12	D770	F-6	D940	E-13	IC565	D-8	Q321	F-7	Q501	G-4	Q702	H-9	Q753	H-5	Q804	H-12
D325	F-8	D500	E-9	D811	G-11	D941	E-13	IC601	E-4	Q325	F-8	Q502	H-4	Q703	H-8	Q754	H-6	Q811	G-12
D326	F-7	D501	D-8	D820	G-12	D942	D-12	IC701	E-6	Q350	D-10	Q653	H-4	Q704	H-9	Q761	G-6	Q812	G-12
D327	F-8	D661	F-4	D861	G-10	D943	D-13	IC801	D-7	Q355	C-9	Q654	H-4	Q711	G-9	Q762	G-6	Q820	G-11
D350	D-10	D670	F-4	D870	F-10			IC3002	C-2	Q360	D-8	Q661	G-5	Q712	G-9	Q770	F-6	Q851	G-10
D352	D-6	D711	F-8	D921	D-12	IC350	C-6	Q301	C-6	Q375	F-12	Q662	G-4	Q720	F-8	Q801	G-12	Q852	H-10
D355	C-9	D720	F-9	D930	D-13	IC352	D-6			Q500	E-9	Q670	F-4	Q751	G-6	Q802	H-12	Q853	H-10

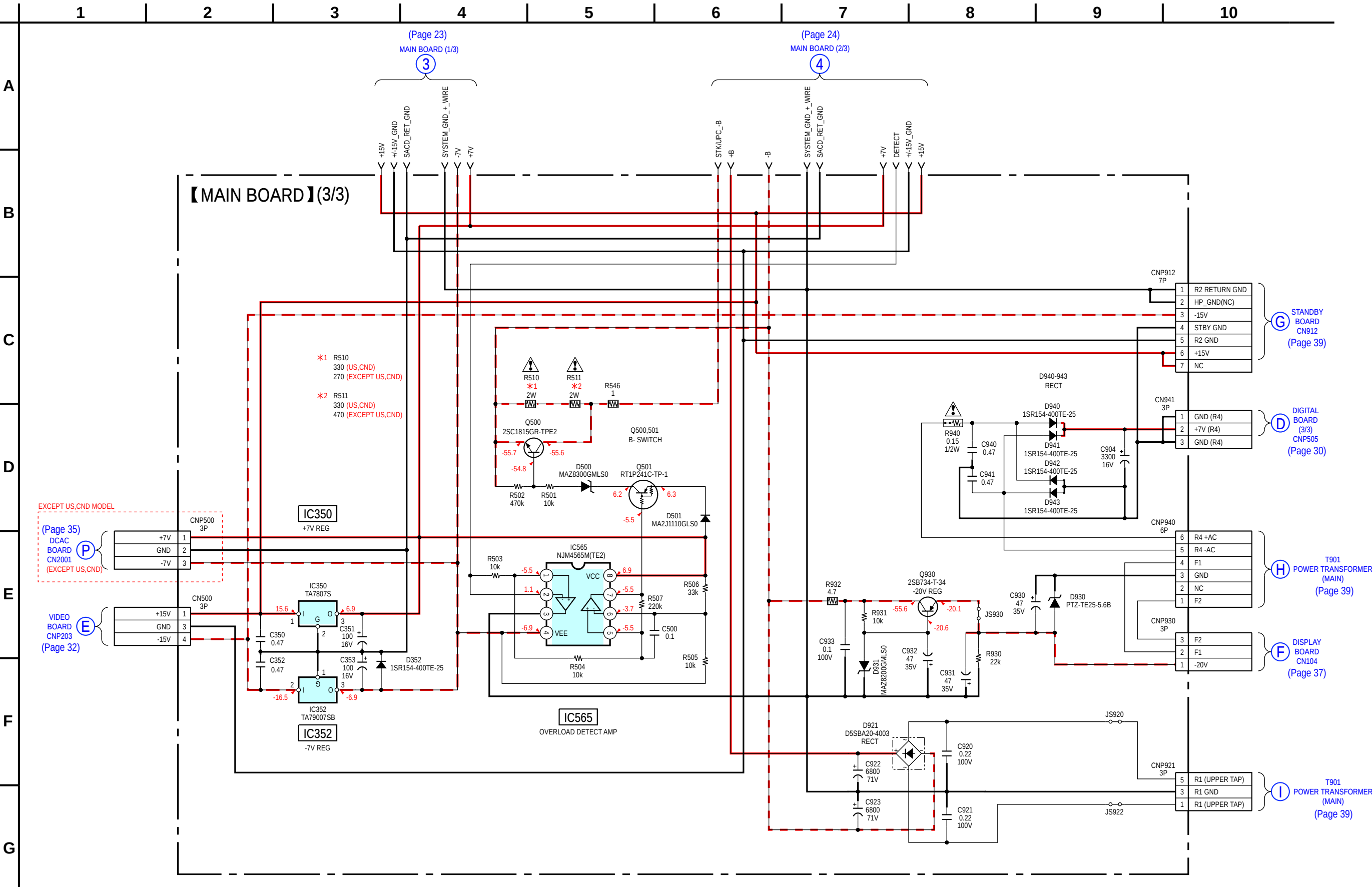
5-8. SCHEMATIC DIAGRAM – MAIN Section (1/3) – • See page 40 for IC Block Diagrams.



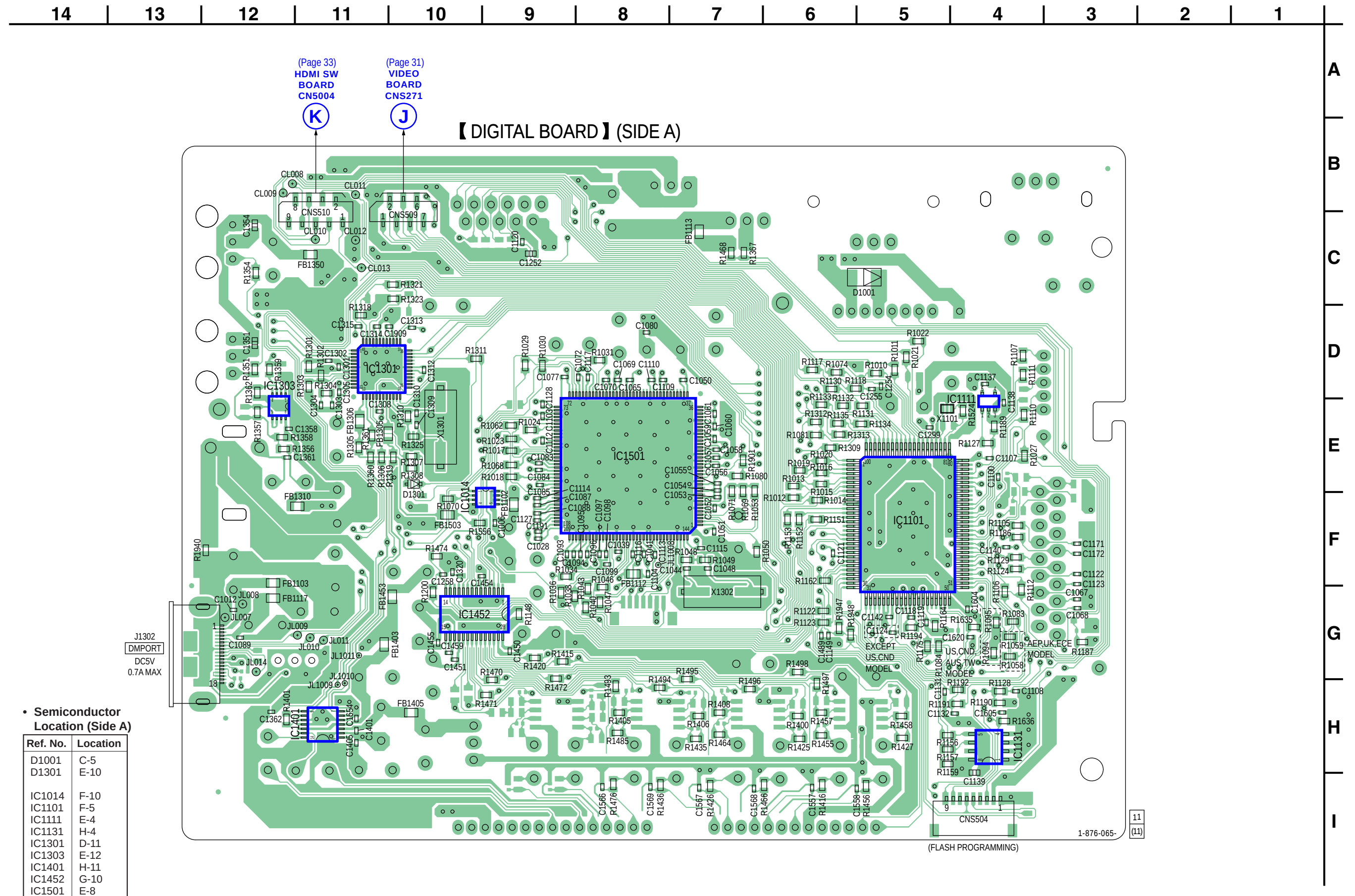
5-9. SCHEMATIC DIAGRAM – MAIN Section (2/3) – • See page 40 for IC Block Diagrams.



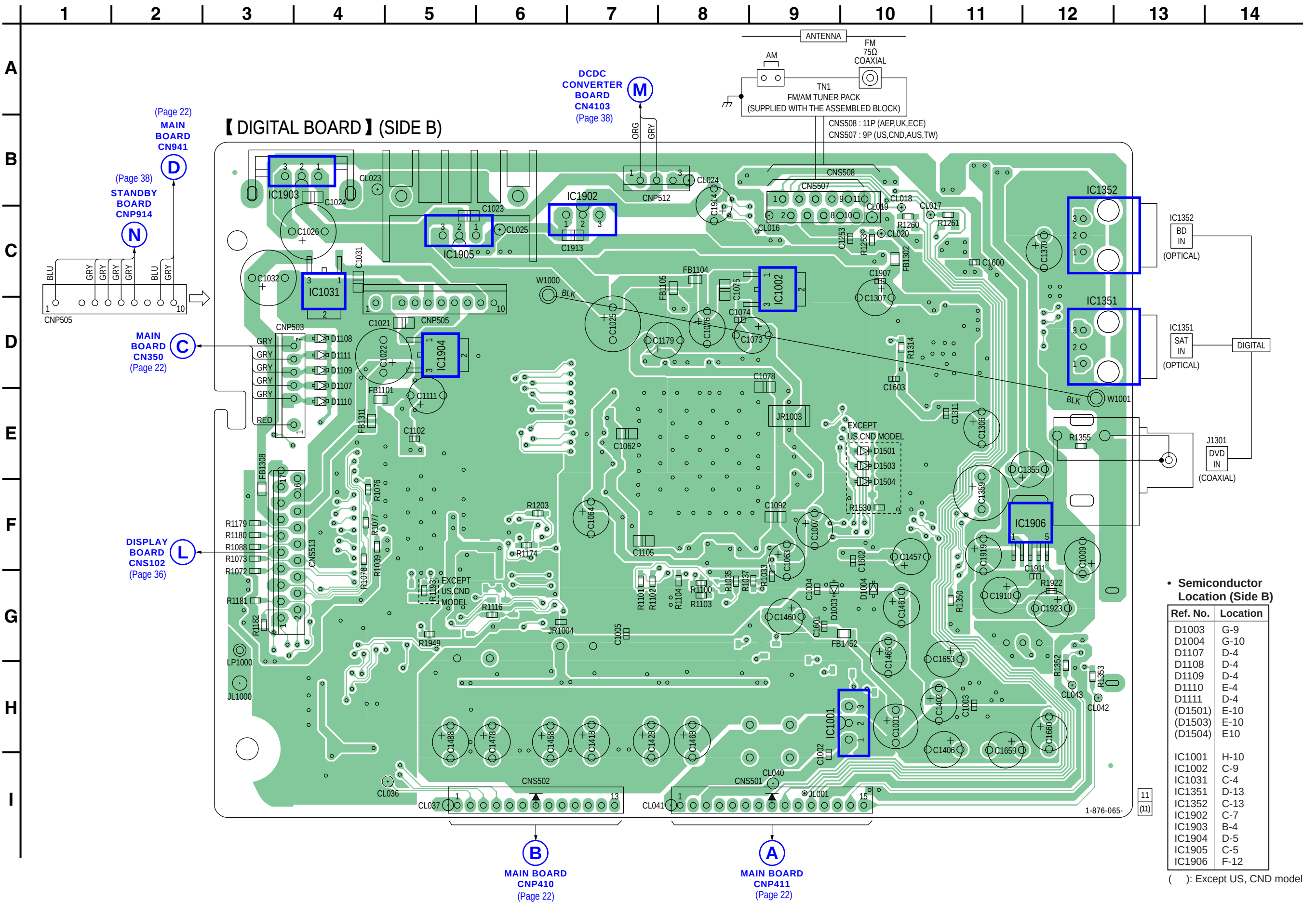
5-10. SCHEMATIC DIAGRAM – MAIN Section (3/3) –



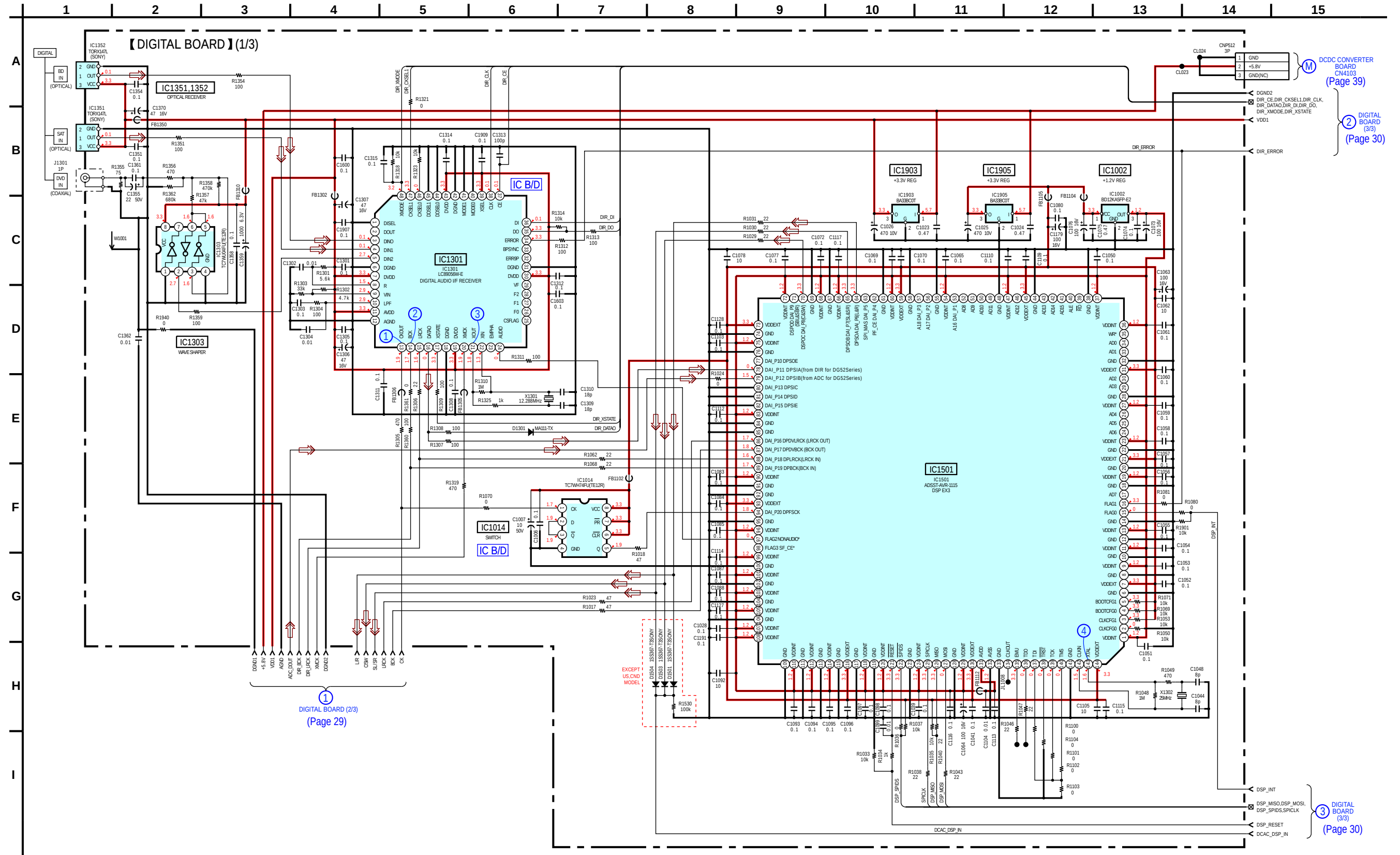
5-11. PRINTED WIRING BOARD – DIGITAL Section (1/2) – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.



5-12. PRINTED WIRING BOARD – DIGITAL Section (2/2) – • See page 14 for Circuit Boards Location. •  : Uses unleaded solder.



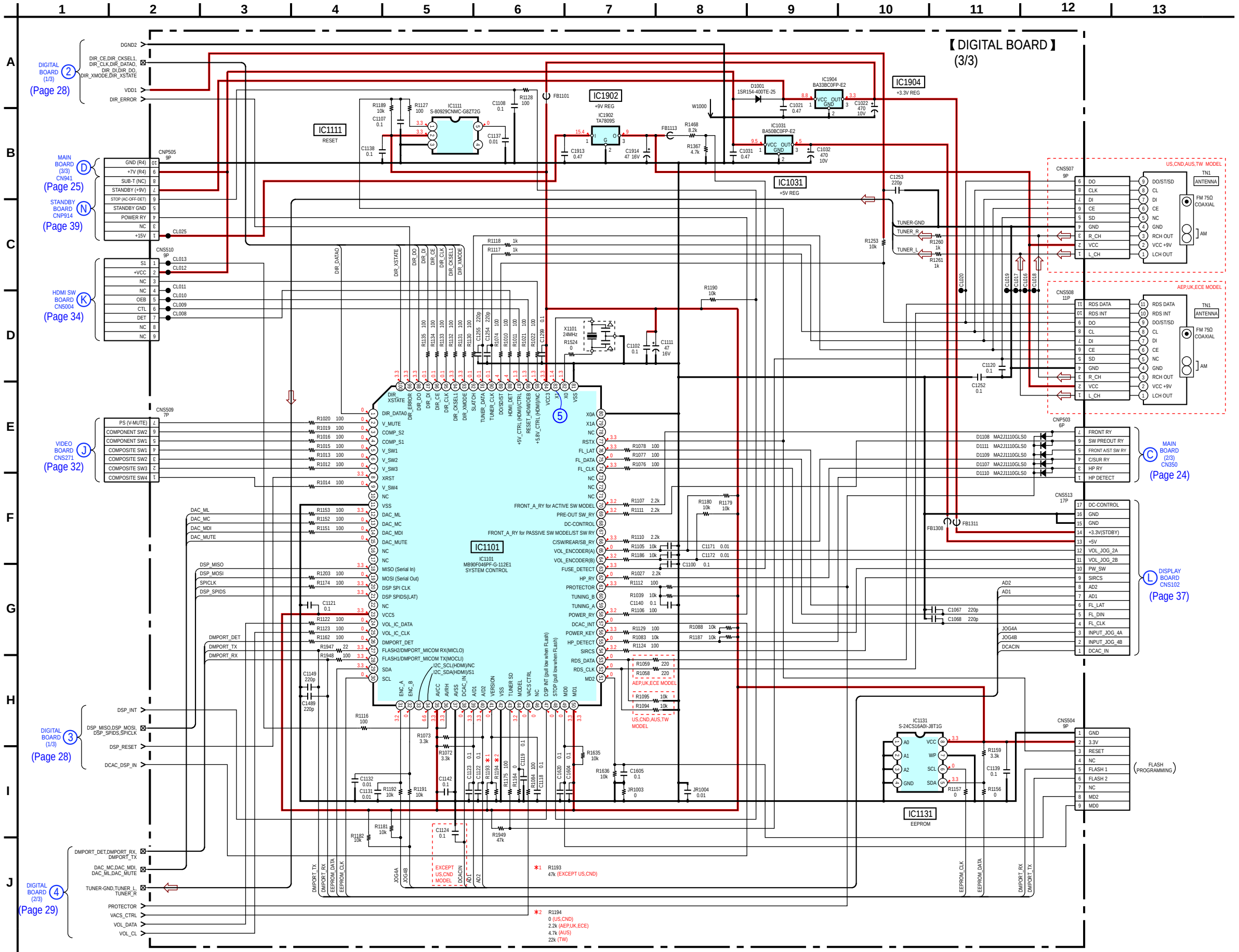
5-13. SCHEMATIC DIAGRAM – DIGITAL Section (1/3) – • See page 21 for Waveforms. • See page 40 for IC Block Diagrams. • See page 45 for IC Pin Function Descriptions.



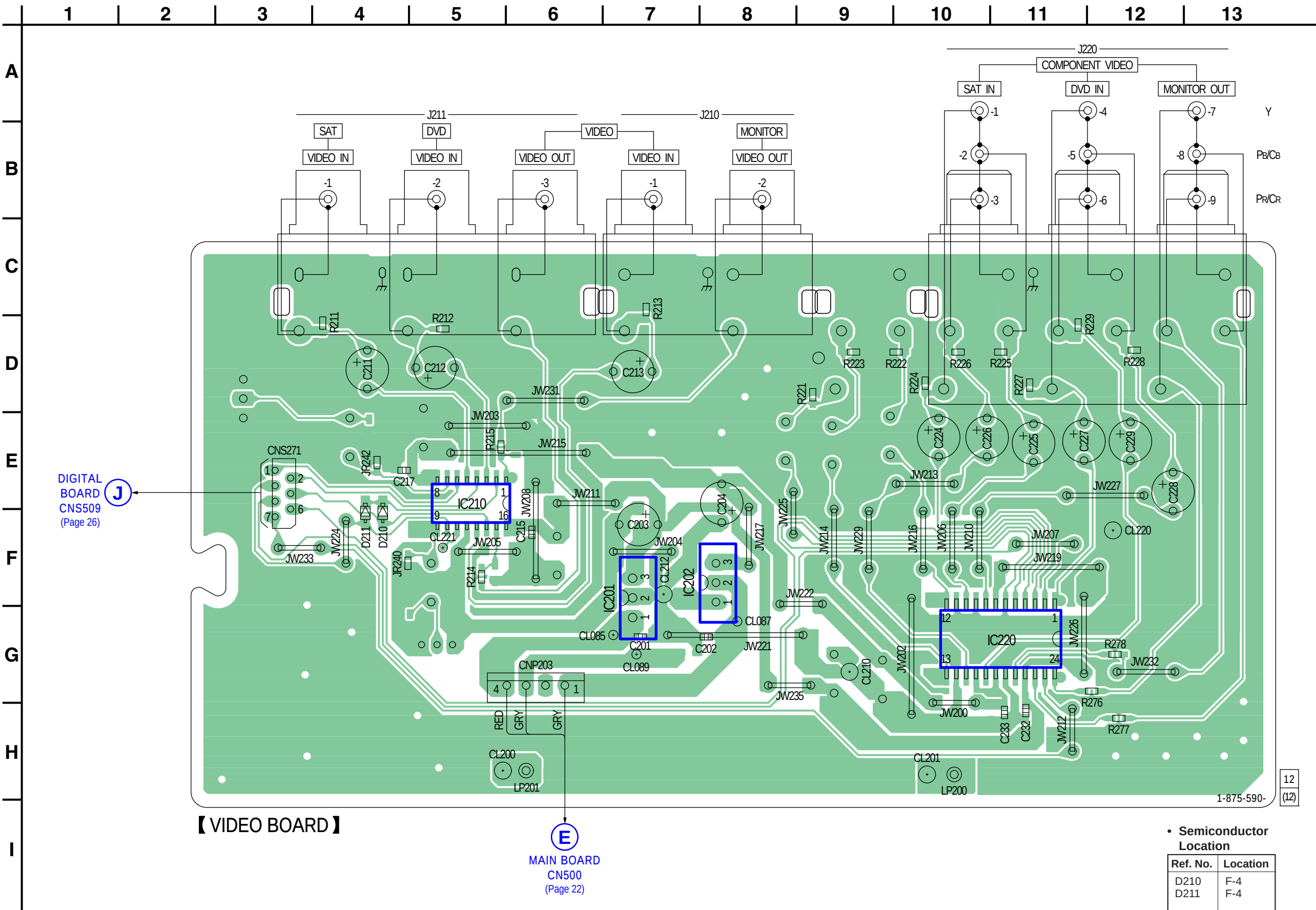
(Page 28)



5-15. SCHEMATIC DIAGRAM – DIGITAL Section (3/3) – • See page 21 for Waveforms. • See page 48 for IC Pin Function Descriptions.



5-16. PRINTED WIRING BOARD – VIDEO Section – • See page 14 for Circuit Boards Location. •  : Uses unleaded solder.

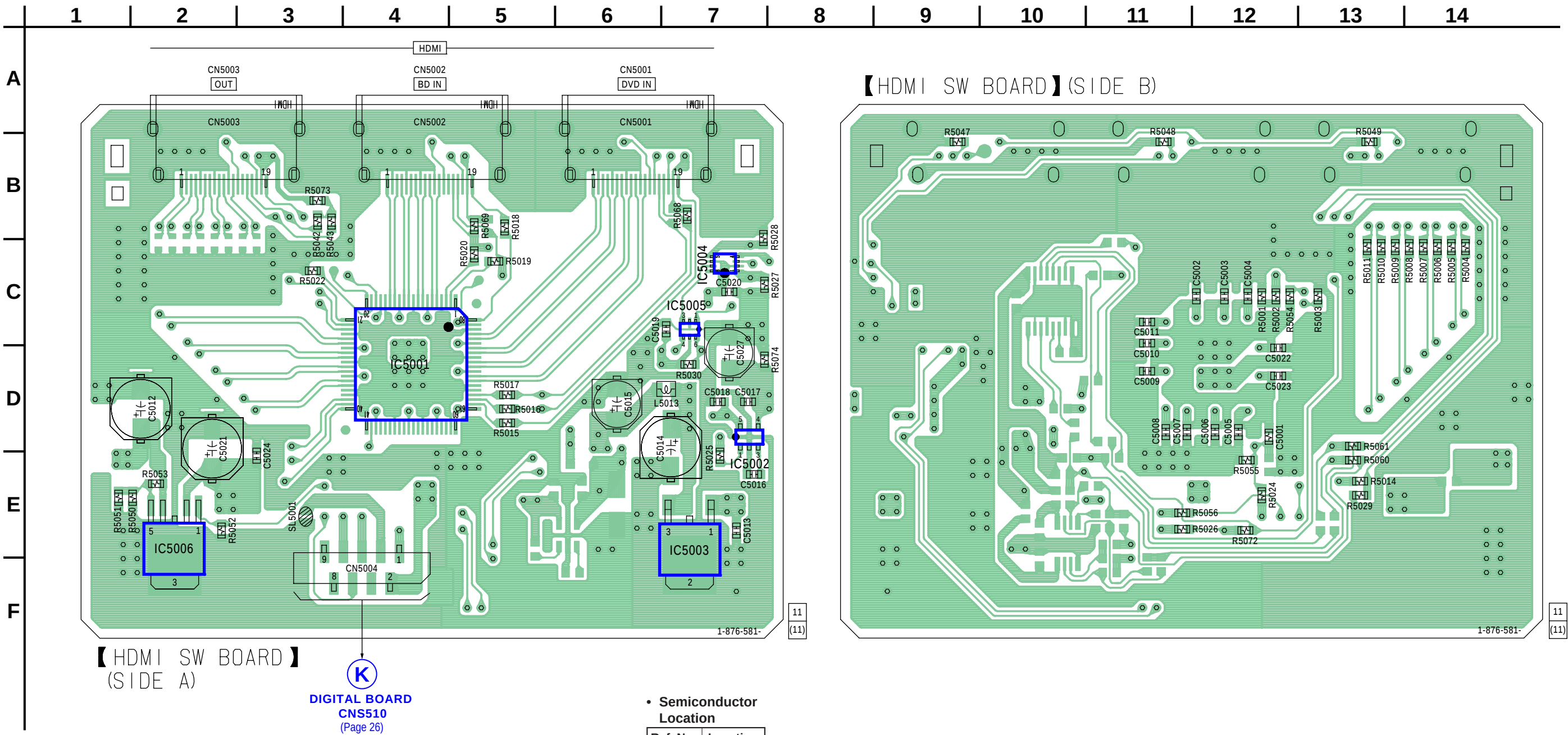


• Semiconductor Location

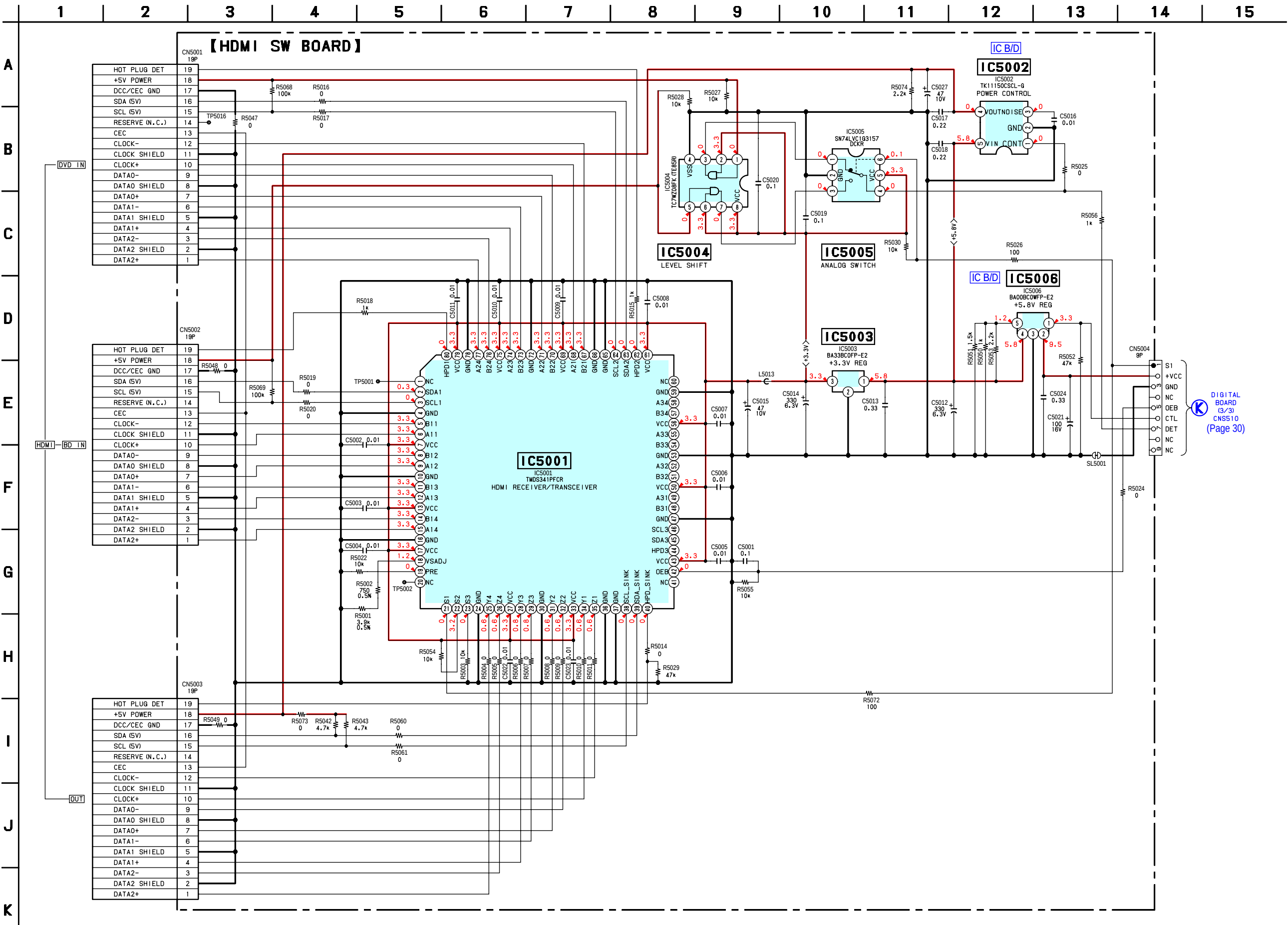
Ref. No.	Location
D210	F-4
D211	F-4
IC201	F-7
IC202	F-8
IC210	E-5
IC220	G-11



5-18. PRINTED WIRING BOARD – HDMI SW Section – • See page 14 for Circuit Boards Location. •  : Uses unleaded solder.



5-19. SCHEMATIC DIAGRAM – HDMI SW Section – • See page 42 for IC Block Diagrams.



35

EXCEPT US,CND MODEL

(Page 25)
MAIN BOARD
(3/3)
CNP500
(EXCEPT US,CND)

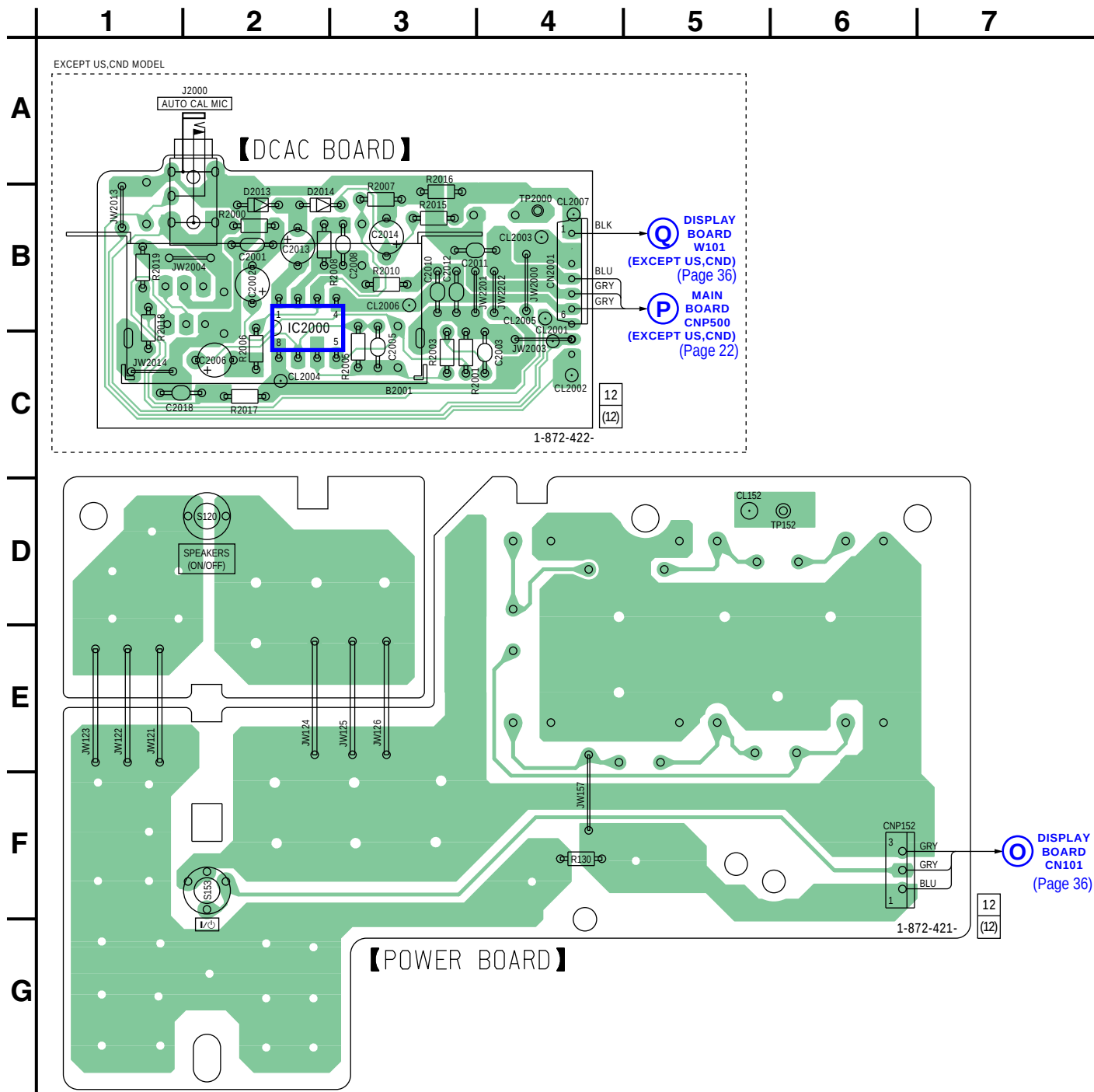
DISPLAY BOARD
W101
(EXCEPT US,CND)
(Page 37)

【DCAC BOARD】

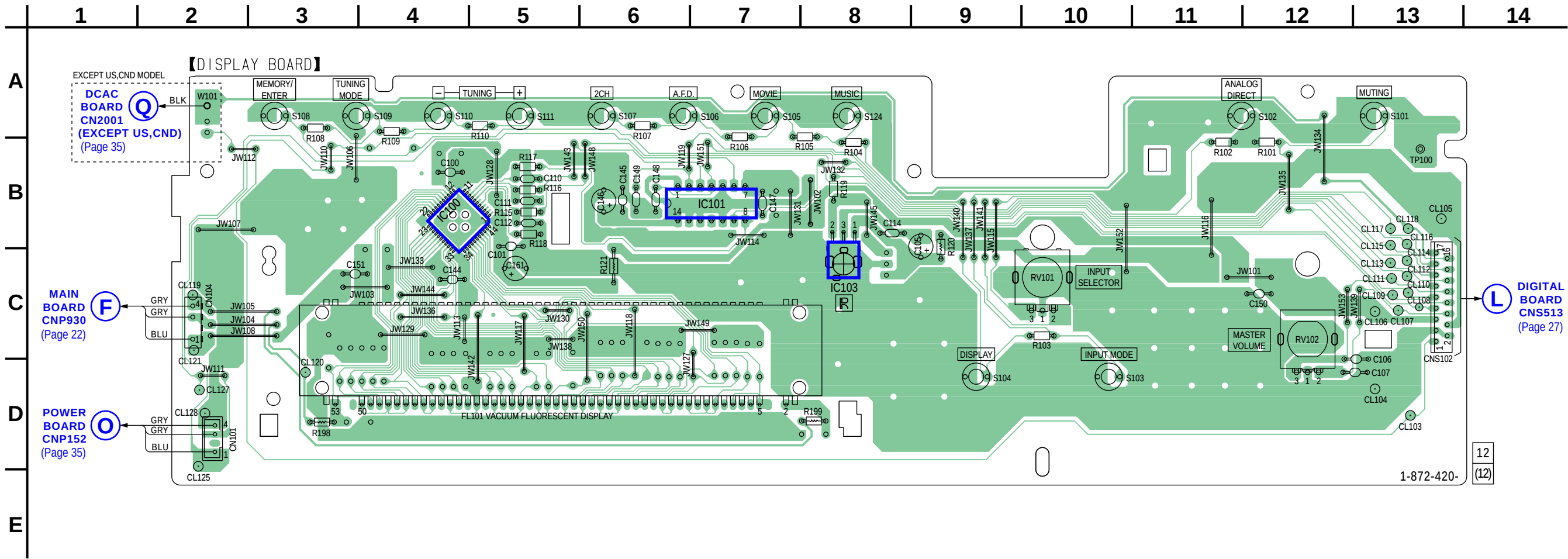
IC2000 MIC AMP

J2000 AUTO CAL MIC

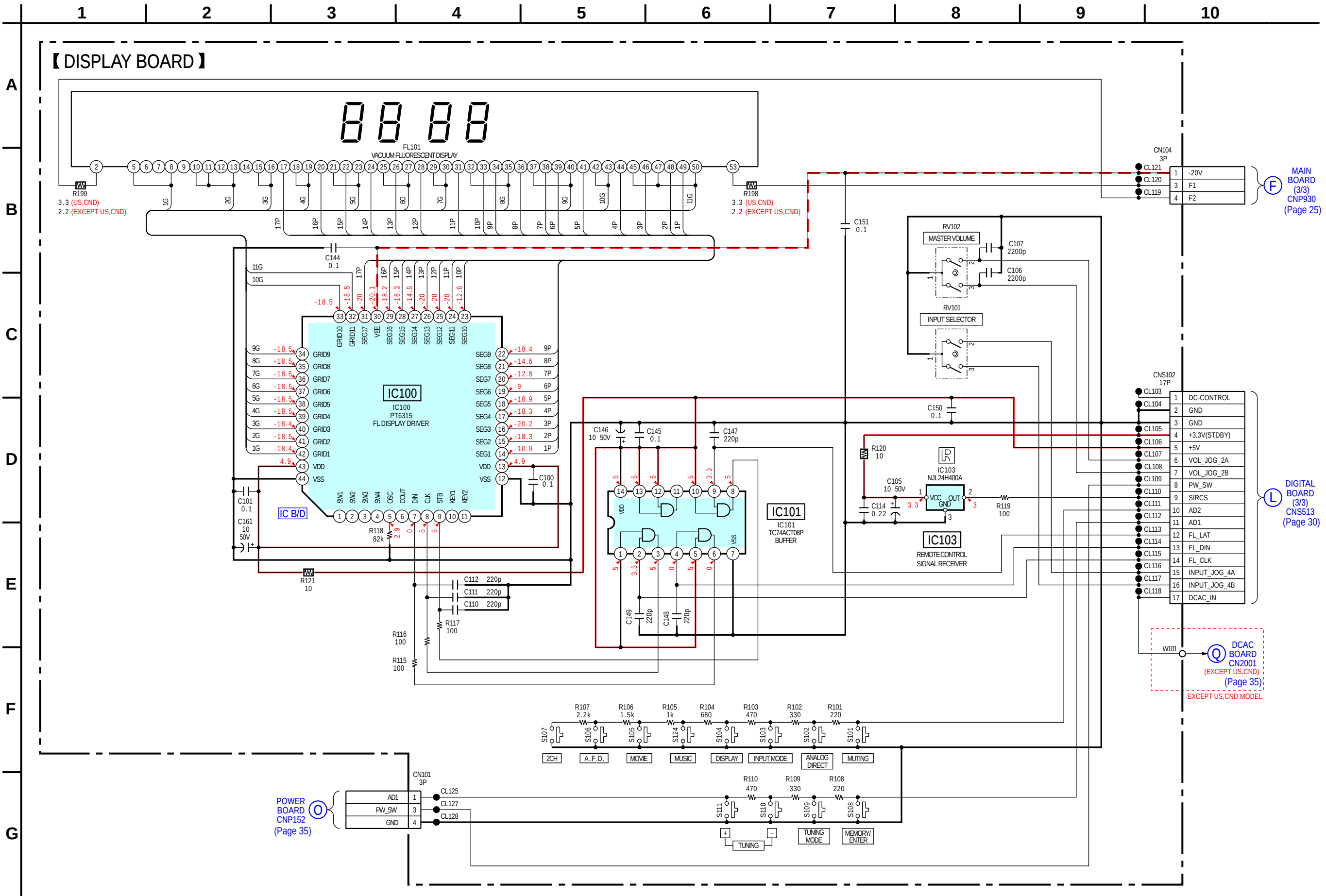
【POWER BOARD】



5-22. PRINTED WIRING BOARD – DISPLAY Section – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.



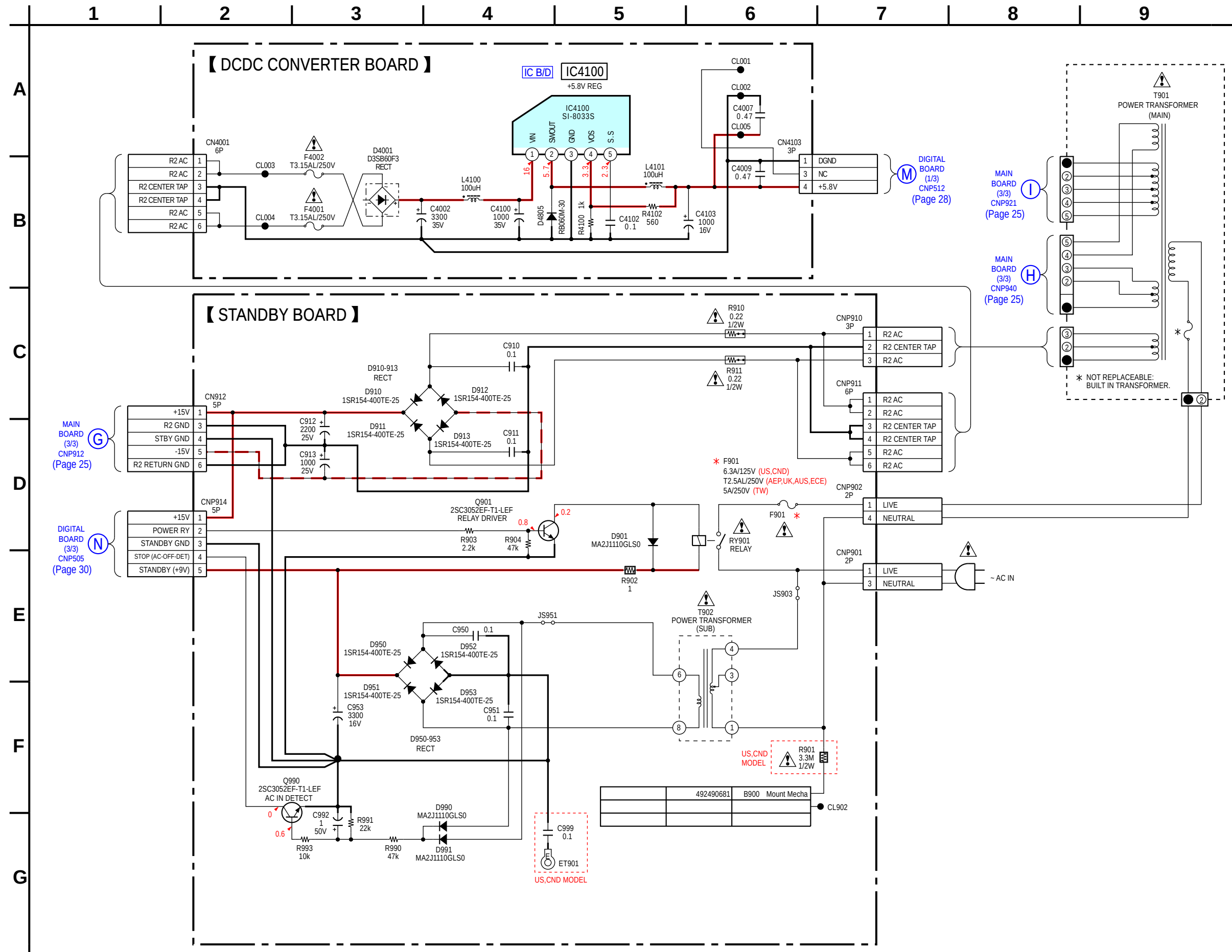
5-23. SCHEMATIC DIAGRAM – DISPLAY Section – • See page 43 for IC Block Diagrams.



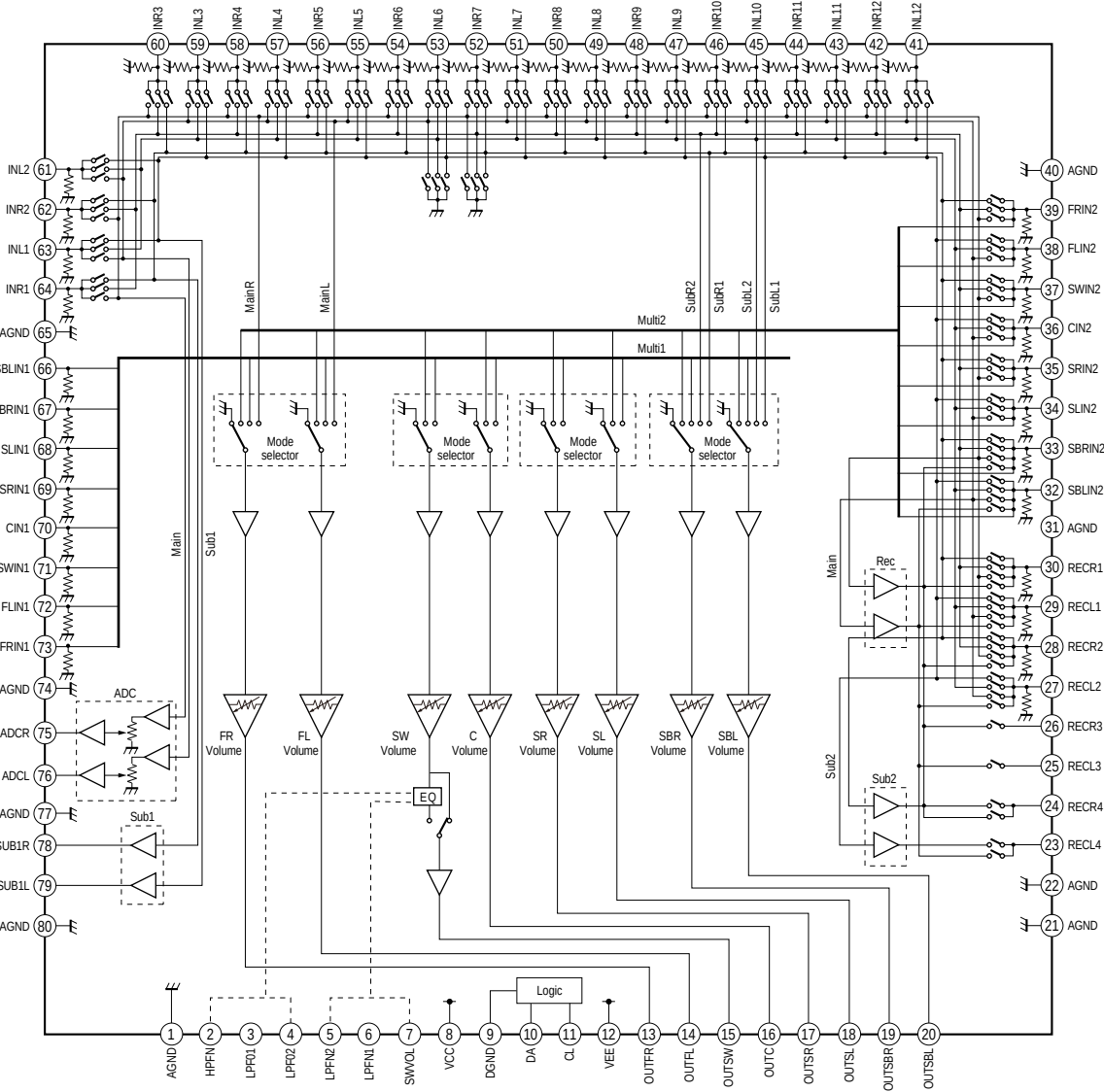
STR-DG520



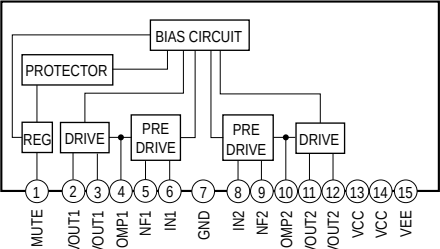
5-25. SCHEMATIC DIAGRAM – POWER Section – • See page 44 for IC Block Diagrams.



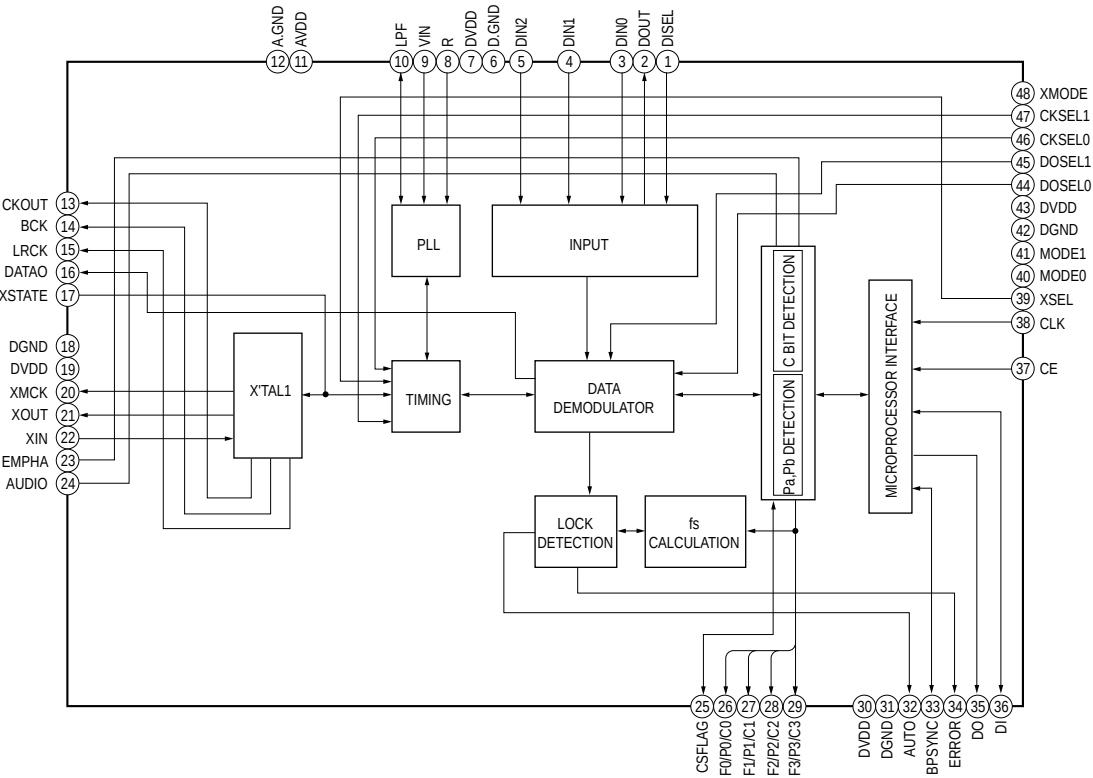
• IC Block Diagrams
IC400 BD3471KS2 (MAIN BOARD (1/3))



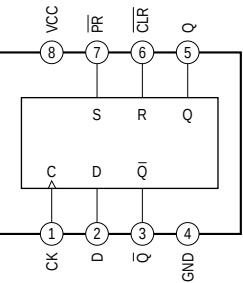
IC601 STK350-530T-E (MAIN BOARD (2/3))
IC701 STK350-530T-E (MAIN BOARD (2/3))
IC801 STK350-530T-E (MAIN BOARD (2/3))



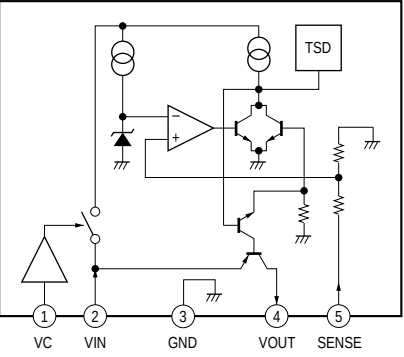
IC1301 LC89056W-E (DIGITAL BOARD (1/3))



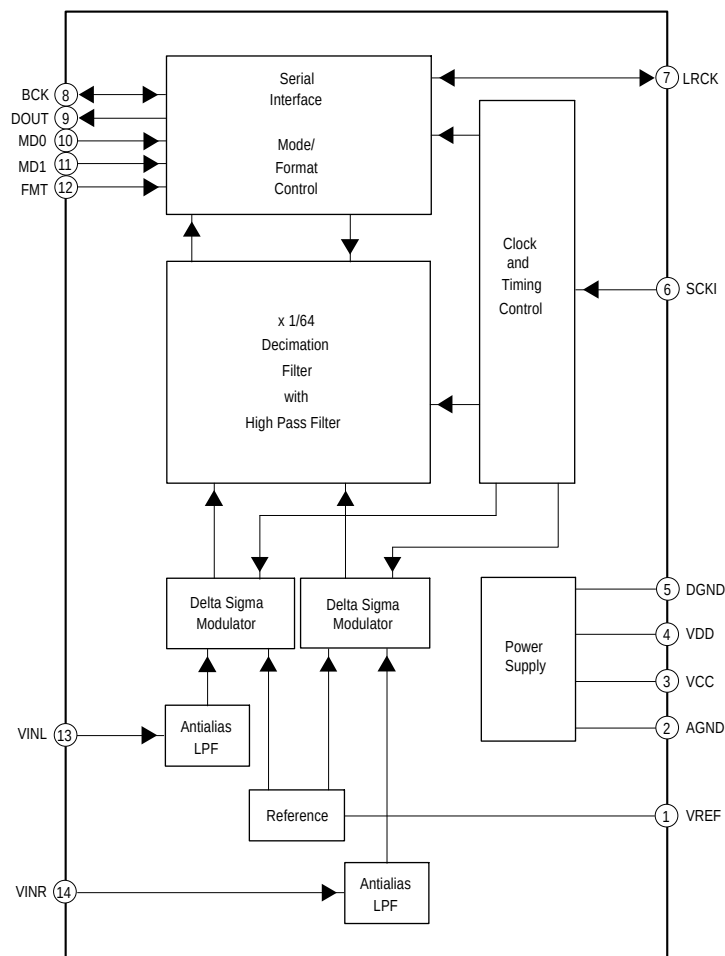
IC1014 TC7WH74FU (TE12R) (DIGITAL BOARD (1/3))



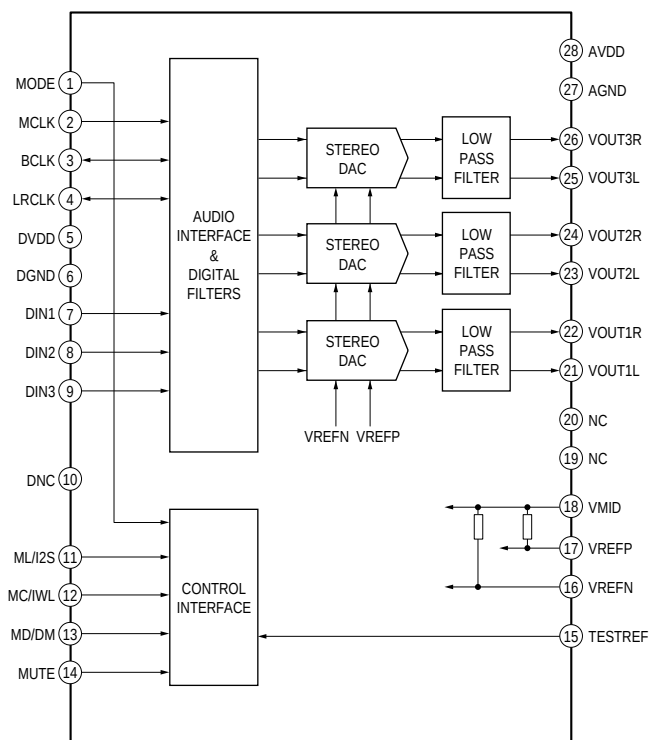
IC1906 SI-3050KM-TL (DIGITAL BOARD (2/3))



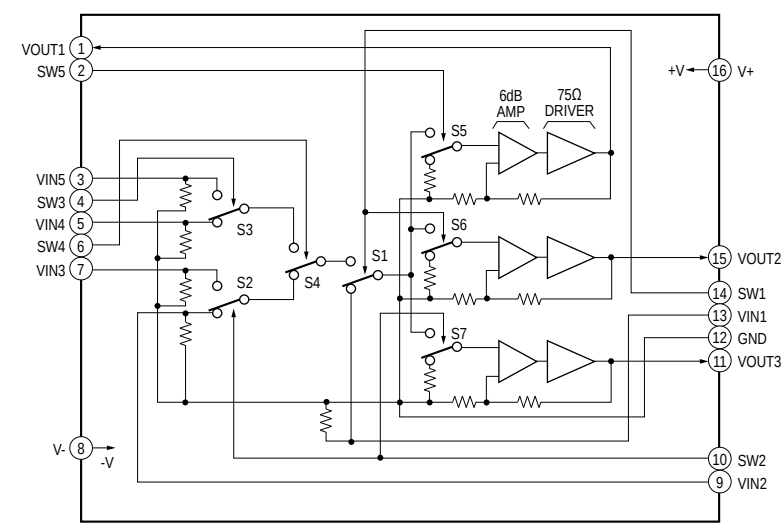
IC1401 PCM1808PWR (DIGITAL BOARD (2/3))



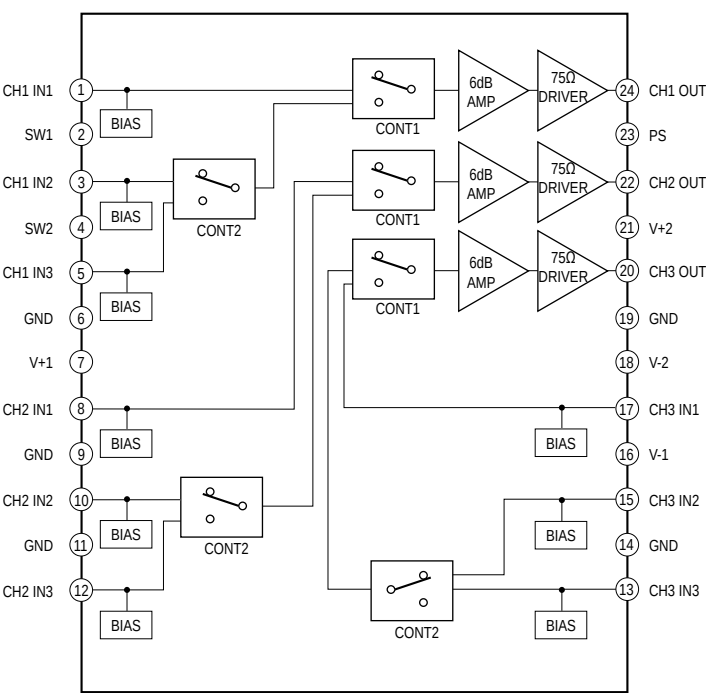
IC1452 WM8766GEDS/R (DIGITAL BOARD (2/3))



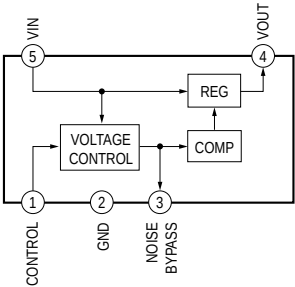
IC210 NJM2595M-TE2 (VIDEO BOARD)

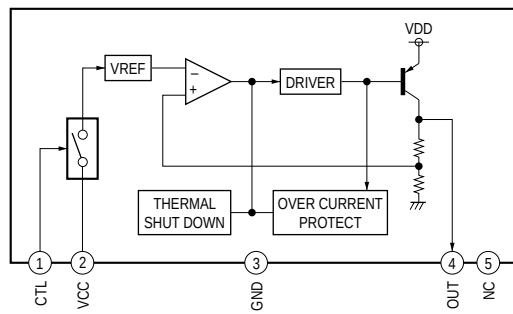
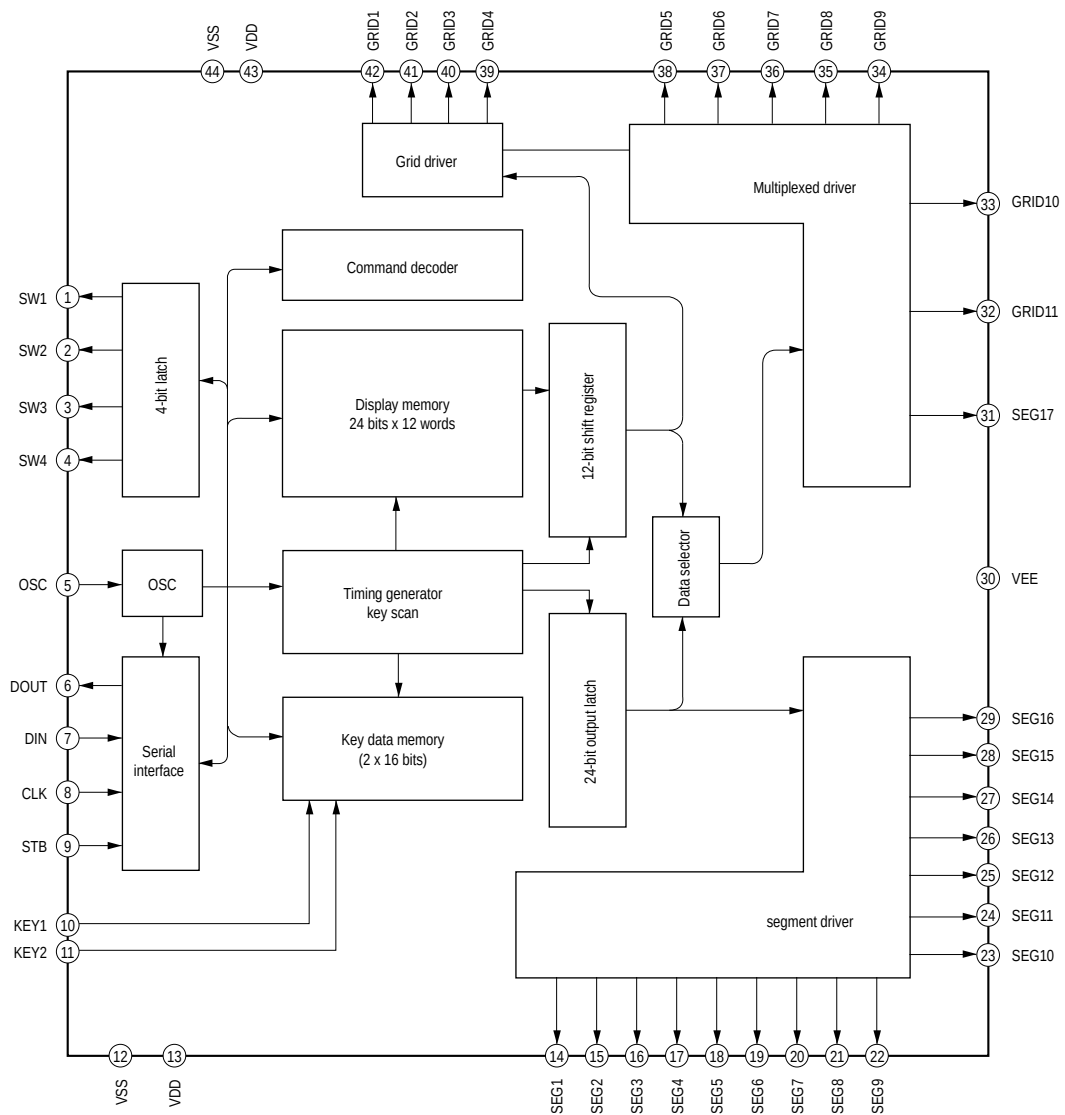


IC220 NJM2586AM (VIDEO BOARD)

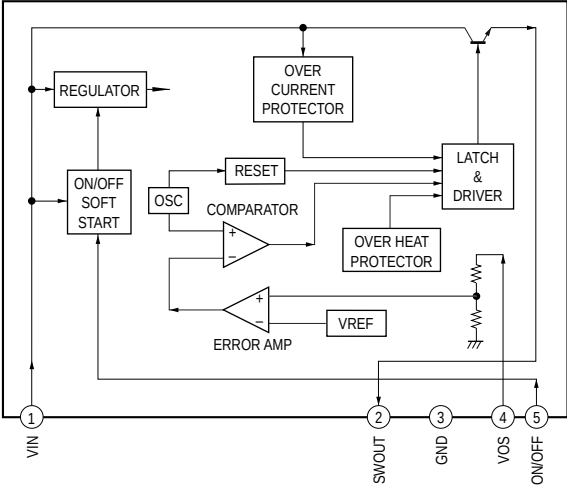


IC5002 TK11150CSCL-G (HDMI SW BOARD)



IC5006 BA00BC0WFP-E2 (HDMI SW BOARD)**IC100 PT6315 (DISPLAY BOARD)**

IC4100 SI-8033S (DCDC CONVERTER BOARD)



• IC Pin Function Descriptions

DIGITAL BOARD (1/3) IC1501 ADSST-AVR-1115 (DSP EX3)

Pin No.	Pin Name	I/O	Description
1	VDDINT	—	Power supply pin (+1.2 V)
2	CLKCFG0	I	Clock frequency setting signal input 0 (Fixed at L)
3	CLKCFG1	I	Clock frequency setting signal input 1 (Fixed at H)
4	BOOTCFG0	I	Boot mode setting signal input 0 for DASP IC (Fixed at H)
5	BOOTCFG1	I	Boot mode setting signal input 1 for DASP IC (Fixed at H)
6	GND	—	Ground
7	VDDEXT	—	Power supply pin (+3.3 V)
8	GND	—	Ground
9	VDDINT	—	Power supply pin (+1.2 V)
10	GND	—	Ground
11	VDDINT	—	Power supply pin (+1.2 V)
12	GND	—	Ground
13	VDDINT	—	Power supply pin (+1.2 V)
14	GND	—	Ground
15	FLAG0	O	Interruption request signal output for SYSTEM CONTROL IC
16	FLAG1	O	PLL lock error signal output and data error flag signal output for SYSTEM CONTROL IC
17	AD7	I/O	Not used (Open)
18	GND	—	Ground
19	VDDINT	—	Power supply pin (+1.2 V)
20	GND	—	Ground
21	VDDEXT	—	Power supply pin (+3.3 V)
22	GND	—	Ground
23	VDDINT	—	Power supply pin (+1.2 V)
24 to 26	AD6 to AD4	I/O	Not used (Open)
27	VDDINT	—	Power supply pin (+1.2 V)
28	GND	—	Ground
29, 30	AD3, AD2	I/O	Not used (Open)
31	VDDEXT	—	Power supply pin (+3.3 V)
32	GND	—	Ground
33, 34	AD1, AD0	I/O	Not used (Open)
35	WR*	O	Not used (Open)
36, 37	VDDINT	—	Power supply pin (+1.2 V)
38	GND	—	Ground
39	$\overline{\text{RD}}$	O	Not used (Open)
40	ALE	O	Not used (Open)
41 to 43	AD15 to AD13	I/O	Not used (Open)
44	GND	—	Ground
45	VDDEXT	—	Power supply pin (+3.3 V)
46	AD12	I/O	Not used (Open)
47	VDDINT	—	Power supply pin (+1.2 V)
48	GND	—	Ground
49 to 52	AD11 to AD8	I/O	Not used (Open)
53	A16 DAI_P1	O	Not used (Open)
54	VDDINT	—	Power supply pin (+1.2 V)
55	GND	—	Ground
56, 57	A17 DAI_P2, A18 DAI_P3	O	Not used (Open)
58	GND	—	Ground
59	VDDEXT	—	Power supply pin (+3.3 V)
60	VDDINT	—	Power supply pin (+1.2 V)
61	GND	—	Ground
62	PF_CE DAI_P4	I/O	Not used (Open)
63	SPI_MAS DAI_P5	O	Not used (Open)
64	DPSOA DAI_P6(L&R)	O	PCM audio signal output

Pin No.	Pin Name	I/O	Description
65	DPSOB DAI_P7(SL&SR)	O	PCM audio signal output
66	VDDINT	—	Power supply pin (+1.2 V)
67	GND	—	Ground
68	VDDINT	—	Power supply pin (+1.2 V)
69	GND	—	Ground
70	DPSOC DAI_P8(C&SW)	O	PCM audio signal output
71	DPSOD DAI_P9(SBL&SBR)	O	Not used (Open)
72	VDDINT	—	Power supply pin (+1.2 V)
73	VDDEXT	—	Power supply pin (+3.3 V)
74	GND	—	Ground
75	VDDINT	—	Power supply pin (+1.2 V)
76	GND	—	Ground
77	DAI_P10 DPSOE	O	Not used (Open)
78	DAI_P11 DPSIA(from DIR for DG52Series)	I	PCM audio signal input
79	DAI_P12 DPSIB(from ADC for DG52Series)	I	PCM audio signal input
80	DAI_P13 DPSIC	I	PCM audio signal input
81	DAI_P14 DPSID	I	PCM audio signal input
82	DAI_P15 DPSIE	I	PCM audio signal input
83	VDDINT	—	Power supply pin (+1.2 V)
84, 85	GND	—	Ground
86	DAI_P16 DPDVLCK(LRCK OUT)	O	L/R sampling clock (44.1 kHz) signal output for PCM audio signal output
87	DAI_P17 DPDVCK(BCK OUT)	O	Bit clock (2.8224 MHz) signal output for PCM audio signal output
88	DAI_P18 DPLCK(LRCK IN)	I	L/R sampling clock (44.1 kHz) signal input from PCM audio signal input
89	DAI_P19 DPBCK(BCK IN)	I	Bit clock (2.8224 MHz) signal input from PCM audio signal input
90	VDDINT	—	Power supply pin (+1.2 V)
91, 92	GND	—	Ground
93	VDDEXT	—	Power supply pin (+3.3 V)
94	DAI_P20 DPFCK	I	Master clock signal input
95	GND	—	Ground
96	VDDINT	—	Power supply pin (+1.2 V)
97	FLAG2 NONAUDIO*	I	Digital input signal select control signal input
98	FLAG3 SF_CE*	O	Not used (Open)
99	VDDINT	—	Power supply pin (+1.2 V)
100	GND	—	Ground
101	VDDINT	—	Power supply pin (+1.2 V)
102	GND	—	Ground
103	VDDINT	—	Power supply pin (+1.2 V)
104	GND	—	Ground
105	VDDINT	—	Power supply pin (+1.2 V)
106	GND	—	Ground
107, 108	VDDINT	—	Power supply pin (+1.2 V)
109	GND	—	Ground
110	VDDINT	—	Power supply pin (+1.2 V)
111	GND	—	Ground
112	VDDINT	—	Power supply pin (+1.2 V)
113	GND	—	Ground

Pin No.	Pin Name	I/O	Description
114	VDDINT	—	Power supply pin (+1.2 V)
115	GND	—	Ground
116	VDDEXT	—	Power supply pin (+3.3 V)
117	GND	—	Ground
118	VDDINT	—	Power supply pin (+1.2 V)
119	GND	—	Ground
120	VDDINT	—	Power supply pin (+1.2 V)
121	$\overline{\text{RESET}}$	I	System reset signal input from SYSTEM CONTROL IC
122	$\overline{\text{SPIDS}}$	I	Serial data latch pulse signal input from SYSTEM CONTROL IC
123	GND	—	Ground
124	VDDINT	—	Power supply pin (+1.2 V)
125	SPICLK	I	Serial data transfer clock signal input from SYSTEM CONTROL IC
126	MISO	O	Serial data output for SYSTEM CONTROL IC
127	MOSI	I	Serial data input from SYSTEM CONTROL IC
128	GND	—	Ground
129	VDDINT	—	Power supply pin (+1.2 V)
130	VDDEXT	—	Power supply pin (+3.3 V)
131	AVDD	—	Power supply pin (+1.2 V)
132	AVSS	—	Ground
133	GND	—	Ground
134	CLKOUT	—	Not used (Open)
135	EMU	—	Not used (Open)
136	TDO	—	Not used (Open)
137	TDI	—	Not used (Fixed at L)
138	$\overline{\text{TRST}}$	—	Not used (Fixed at L)
139	TCK	—	Not used (Fixed at L)
140	TMS	—	Not used (Fixed at L)
141	GND	—	Ground
142	CLKIN	I	System clock input (25 MHz)
143	XTAL	O	System clock output (25 MHz)
144	VDDEXT	—	Power supply pin (+3.3 V)

DIGITAL BOARD (3/3) IC1101 MB90F046PF-G-112E1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	DIR_DATA0	I	Serial data input from DIR IC
2	V_MUTE	O	Video mute signal output for COMPONENT VIDEO SELECT IC
3, 4	COMP_S2, COMP_S1	O	Component video select signal output for COMPONENT VIDEO SELECT IC
5 to 7	V_SW1 to V_SW3	O	Video select signal output for COMPONENT VIDEO SELECT IC
8	XRST	O	System reset signal output for DSP EX3 IC
9	V_SW4	O	Video select signal output for COMPONENT VIDEO SELECT IC
10	NC	O	Not used (Open)
11	VSS	—	Ground
12	DAC_ML	O	Serial latch signal output for 6CH DAC IC
13	DAC_MC	O	Clock signal output for 6CH DAC IC
14	DAC_MDI	O	Serial data output for 6CH DAC IC
15	DAC_MUTE	O	Mute signal output for 6CH DAC IC
16, 17	NC	O	Not used (Open)
18	MISO (Serial In)	I	Serial data input from DSP EX3 IC
19	MOSI (Serial Out)	O	Serial data output for DSP EX3 IC
20	DSP SPI CLK	O	Serial data transfer clock signal output for DSP EX3 IC
21	DSP SPIDS(LAT)	O	Serial data latch pulse signal output for DSP EX3 IC
22	NC	O	Not used (Open)
23	VCC5	—	Power supply pin (+3.3 V)
24	VOL_IC_DATA	O	Serial data output for DIR IC
25	VOL_IC_CLK	O	Clock signal output for DIR IC
26	DMPORT_DET	I	DMPORT detection signal input
27	FLASH2/DMPORT_MI-COM RX(MICLO)	I/O	Flash programming signal input/DMPORT receiver signal output
28	FLASH1/DMPORT_MI-COM TX(MOCLI)	I/O	Flash programming signal output/DMPORT transmitter signal input
29	SDA	I	Serial data input from EEPROM IC
30	SCL	O	Clock signal output for EEPROM IC
31	ENC_A	I	INPUT SELECTOR encoder (A) signal input
32	ENC_B	I	INPUT SELECTOR encoder (B) signal input
33	I2C_SCL(HDMI)/NC	O	Not used (Open)
34	I2C_SDA(HDMI)/S1	O	HDMI S1 signal output for HDMI RX/TX IC
35	AVCC	—	Power supply pin (+3.3 V)
36	AVRH	—	Power supply pin (+3.3 V)
37	AVSS	—	Ground
38	DCAC_IN	I	AUTO CAL MIC analog signal input (Except US, Canadian model)
39, 40	A/D1, A/D2	I	Key signal input (A/D port)
41	VERSION	I	Destination detection signal input (L: US, Canadian model, H: Except US, Canadian model)
42	VSS	—	Ground
43	TUNER SD	I	RDS signal detection input (AEP, UK, ECE model)
44	MODEL	I	Model select signal input (Fixed at L)
45	VACS CTRL	I	VACS control signal input
46	NC	O	Not used (Open)
47	DSP INT	I	Interrupt status input from DSP EX3 IC
48	STOP	I	AC off detection signal input
49	MOD0	—	Selection of micon operation mode
50	MOD1	—	Not used (Connect to AVCC)
51	MOD2	—	Selection of micon operation mode
52	RDS_CLK	I	RDS data clock signal input (AEP, UK, ECE model)
53	RDS_DATA	I	RDS data input (AEP, UK, ECE model)
54	SIRCS	I	SIRCS signal input
55	HP_DETECT	I	Headphone detection signal input
56	POWER_KEY	I	Power key detection signal input
57	DCAC_INT	I	DCAC data input from DSP EX3 IC
58	POWER_RY	O	Power relay driver control signal output

Pin No.	Pin Name	I/O	Description
59	TUNING_A	O	Not used (Open)
60	TUNING_B	O	Not used (Open)
61	PROTECTOR	I	Protector detection signal input
62	HP_RY	O	Headphone relay driver control signal output
63	FUSE_DETECT	I	Fuse open detection signal input
64	VOL_ENCODER(B)	I	MASTER VOLUME encoder (B) signal input
65	VOL_ENCODER(A)	I	MASTER VOLUME encoder (A) signal input
66	C/SW/REAR/SB_RY	O	Center/surround speaker relay driver control signal output
67	FRONT_A_RY for PAS-SIVE SW MODEL/ST SW RY	O	Not used (Open)
68	DC-CONTROL	O	Not used (Open)
69	PRE-OUT SW_RY	O	Sub woofer relay driver control signal output
70	FRONT_A_RY for AC-TIVE SW MODEL	O	Front speaker relay driver control signal output
71 to 73	NC	O	Not used (Open)
74	FL_CLK	O	Clock signal output for FL DISPLAY DRIVER IC
75	FL_DATA	O	Serial data output for FL DISPLAY DRIVER IC
76	FL_LAT	O	Latch signal output for FL DISPLAY DRIVER IC
77	RSTX	I	Reset signal input
78	NC	O	Not used (Open)
79	X1A	—	Not used (Open)
80	X0A	—	Not used (Connect to VSS)
81	VSS	—	Ground
82	X0	—	Clock signal input (24 MHz)
83	X1	—	Clock signal output (24 MHz)
84	VCC3	—	Power supply pin (+3.3 V)
85	+5.8V_CTRL(HDMI)/NC	O	Not used (Fixed at L)
86	RESET_HDMI/OEB	O	HDMI OEB signal output
87	+5V_CTRL(HDMI)/CTRL	O	HDMI control signal output
88	HDMI_DET	I	HDMI detection signal input
89	DO/SD/ST	I	Tuner serial data input
90	TUNER_CLK	O	Serial clock signal output for tuner pack
91	TUNER_DATA	O	Serial data output for tuner pack
92	SLATCH	O	Tuner latch signal output
93	DIR_XMODE	O	Xmode signal output for DIR IC
94	DIR_CKSEL1	O	Clock select signal output for DIR IC
95	DIR_CLK	O	Data clock signal output for DIR IC
96	DIR_CE	O	Latch signal output for DIR IC
97	DIR_DI	O	Data output for DIR IC
98	DIR_DO	I	Data input from DIR IC
99	DIR_ERROR	I	Error detection signal input from DIR IC
100	DIR_XSTATE	I	Xstate signal input from DIR IC

SECTION 6
EXPLODED VIEWS

Note:

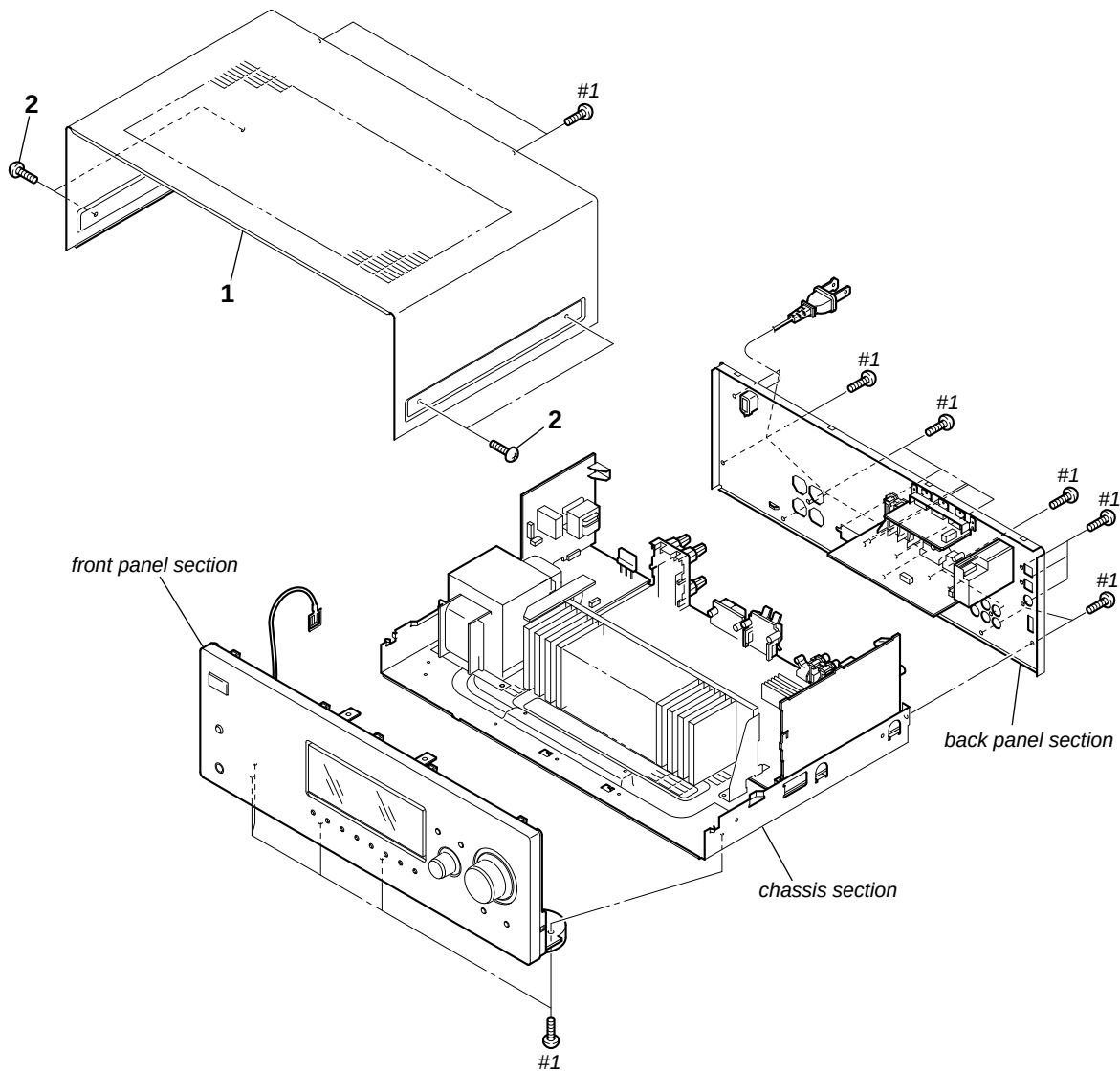
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
AUS : Australian model
CND : Canadian model
ECE : Continental European,
East European and
Russian models
TW : Taiwan model

- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
KNOB, BALANCE (WHITE) . . . (RED)
Parts Color Cabinet's Color
- Accessories are given in the last of the electrical parts list.

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.

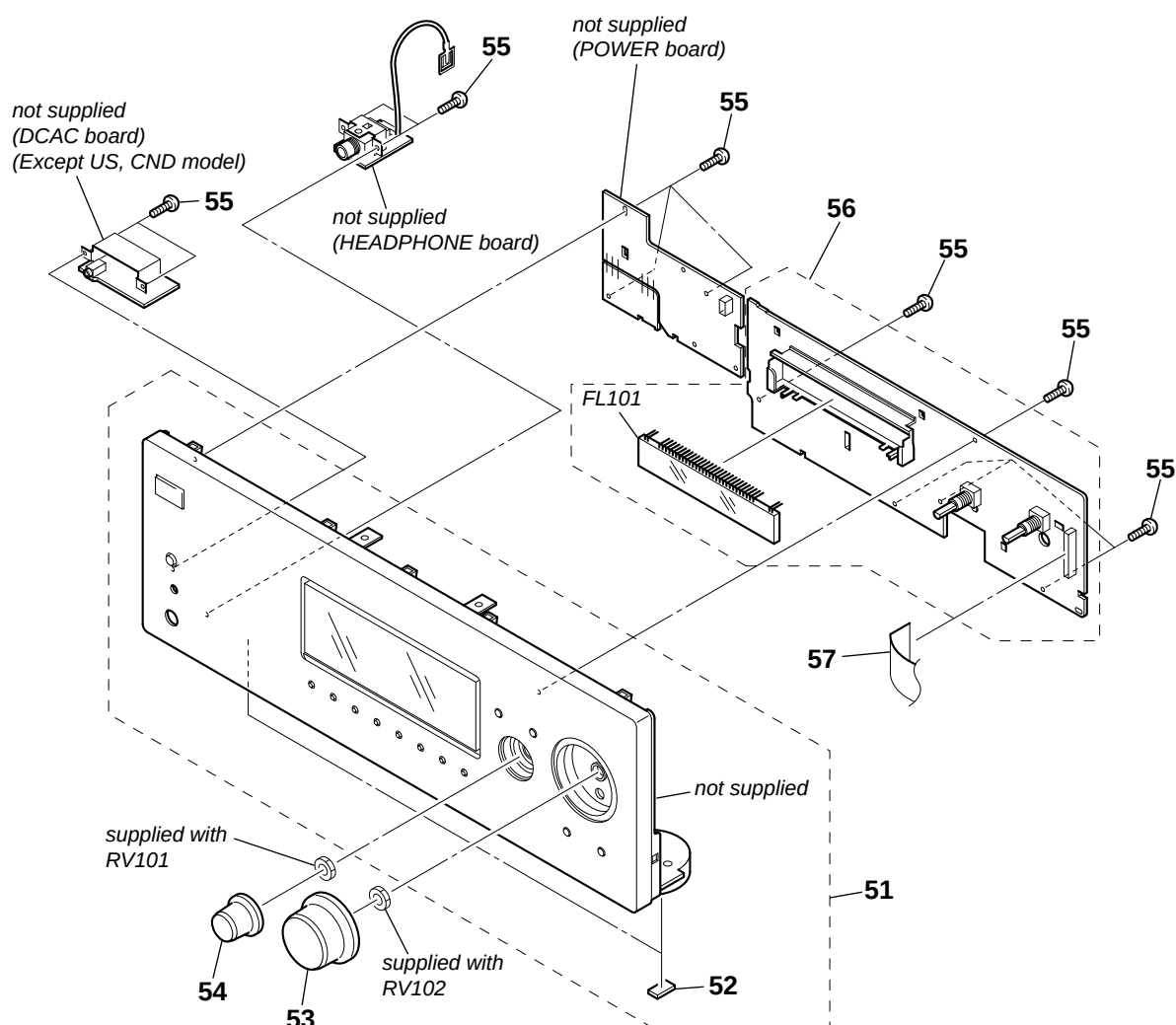
6-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	3-285-693-11	CASE (BLACK)...(BLACK)	
1	3-285-693-31	CASE (SILVER)...(SILVER)	
2	2-580-630-01	SCREW +BVST 4X8 (BLACK)...(BLACK)	

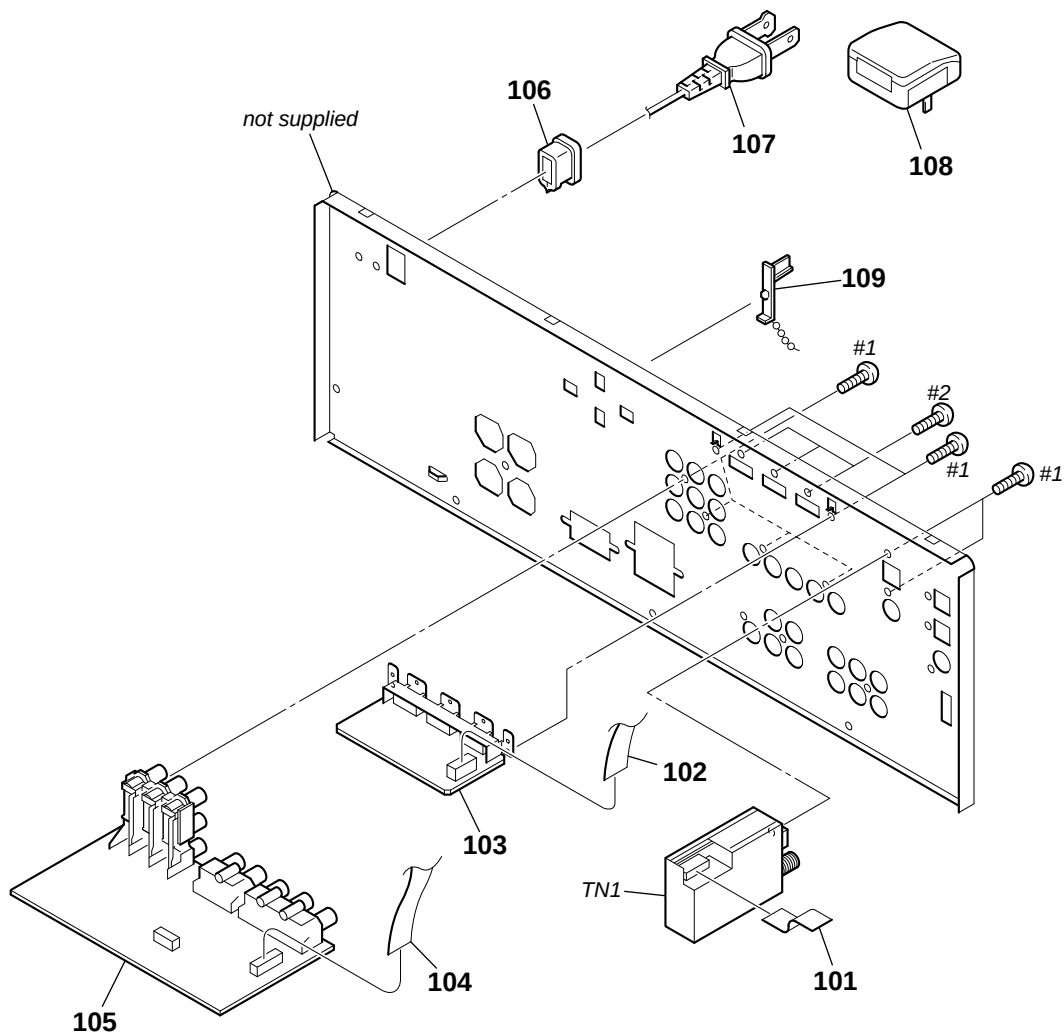
Ref. No.	Part No.	Description	Remark
2	7-685-881-04	SCREW +BVTT 4X8 (S) (SILVER)...(SILVER)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

6-2. FRONT PANEL SECTION



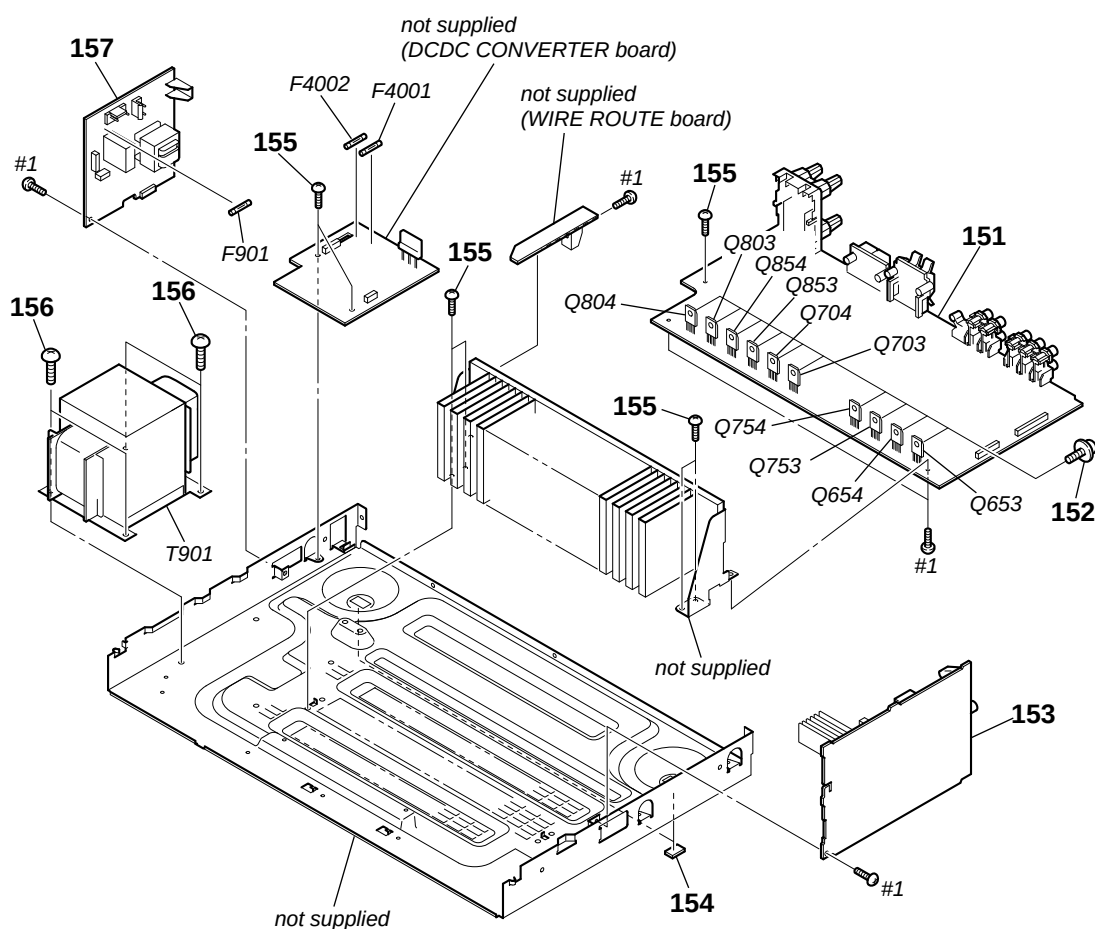
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2187-419-2	FRONT PANEL ASSY (BLACK)...(BLACK) (US)		53	2-661-142-01	VOLUME KNOB (BLACK)...(BLACK)	
51	X-2187-420-2	FRONT PANEL ASSY (BLACK)...(BLACK) (CND)		53	2-661-142-11	VOLUME KNOB (SILVER)...(SILVER)	
51	X-2187-421-2	FRONT PANEL ASSY (BLACK)...(BLACK)	(AEP,UK,ECE)	54	X-2190-020-1	KNOB MENU ASSY (BLACK)...(BLACK)	
51	X-2188-541-1	FRONT PANEL ASSY (SILVER)...(SILVER)	(AEP,UK,ECE)	54	X-2190-021-1	KNOB MENU ASSY (SILVER)...(SILVER)	
51	X-2189-644-2	FRONT PANEL ASSY (BLACK)...(BLACK) (AUS)		55	3-087-053-01	+BVTP 2.6 (3CR)	
51	X-2189-645-1	FRONT PANEL ASSY (SILVER)...(SILVER)	(AUS,TW)	56	A-1379-922-A	DISPLAY BOARD, COMPLETE (US,CND)	
52	4-977-358-01	CUSHION		56	A-1379-923-A	DISPLAY BOARD, COMPLETE (EXCEPT US,CND)	
				57	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)	
				FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY	

6-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-828-951-11	WIRE (FLAT TYPE) (9 CORE) (US,CND,AUS,TW)		△ 107	1-833-566-21	CORD, POWER (AUS)	
101	1-828-961-51	WIRE (FLAT TYPE) (11 CORE) (AEP,UK,ECE)		△ 108	1-770-019-61	ADAPTOR, CONVERSION PLUG (UK)	
102	1-828-311-11	WIRE (FLAT TYPE) (9 CORE)		109	4-956-370-12	BAND, PLUG FIXED (UK,AUS)	
103	A-1519-237-A	HDMI SW BOARD, COMPLETE		TN1	1-693-733-31	TUNER PACK (FM/AM) (ANTENNA) (US,CND)	
104	1-828-299-51	WIRE (FLAT TYPE) (7 CORE)		TN1	1-693-735-21	TUNER PACK (FM/AM) (ANTENNA) (AUS,TW)	
105	A-1379-915-A	VIDEO BOARD, COMPLETE		TN1	1-693-736-21	TUNER PACK (FM/AM) (ANTENNA)	(AEP,UK,ECE)
106	4-966-267-12	BUSHING (FBS001), CORD		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
△ 107	1-777-071-83	CORD, POWER (AEP,UK,ECE)		#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
△ 107	1-783-820-11	CORD, POWER (US,CND)					
△ 107	1-827-597-42	CORD, POWER (TW)					

6-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1379-912-A	MAIN BOARD, COMPLETE (US,CND)		△ F4001	1-532-465-33	FUSE (T3.15A/250V)	
151	A-1379-913-A	MAIN BOARD, COMPLETE (EXCEPT US,CND)		△ F4002	1-532-465-33	FUSE (T3.15A/250V)	
152	3-905-609-01	SCREW (TRANSISTOR)		Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
153	A-1444-787-A	DIGITAL BOARD, COMPLETE (US,CND)		Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	A-1444-788-A	DIGITAL BOARD, COMPLETE (AEP,UK,ECE)		Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
153	A-1519-830-A	DIGITAL BOARD, COMPLETE (AUS)		Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	A-1528-670-A	DIGITAL BOARD, COMPLETE (TW)		Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
154	4-977-358-01	CUSHION		Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
155	3-077-331-21	+BV 3 (3-CR)		Q803	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
156	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Q804	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
157	A-1379-916-A	STANDBY BOARD, COMPLETE (US,CND)		Q853	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
157	A-1379-917-A	STANDBY BOARD, COMPLETE (AEP,UK,AUS,ECE)		Q854	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
157	A-1528-669-A	STANDBY BOARD, COMPLETE (TW)		△ T901	1-439-550-21	TRANSFORMER, POWER (MAIN) (AEP,UK,AUS,ECE)	
△ F901	1-532-464-33	FUSE (T2.5A/250V) (AEP,UK,AUS,ECE)		△ T901	1-439-552-21	TRANSFORMER, POWER (MAIN) (TW)	
△ F901	1-532-505-33	FUSE (5A/250V) (TW)		△ T901	1-439-583-11	TRANSFORMER, POWER (MAIN) (US,CND)	
△ F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V) (US,CND)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 7
ELECTRICAL PARTS LIST

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.
 - Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- CAPACITORS
uF: μ F
uH: μ H
 - COILS
 - SEMICONDUCTORS
In each case, u: μ , for example:
uA. . : μ A. . , uPA. . , μ PA. . ,
uPB. . : μ PB. . , uPC. . , μ PC. . ,
uPD. . : μ PD. .
 - Abbreviation
AUS : Australian model
CND : Canadian model
ECE : Continental European,
East European and
Russian models
TW : Taiwan model

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

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

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

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
DCAC BOARD (EXCEPT US,CND)						DCDC CONVERTER BOARD							
*****						*****							
< CAPACITOR >						1-533-313-11 HOLDER, FUSE							
C2001	1-162-282-31	CERAMIC	100PF	10%	50V	< CAPACITOR >							
C2002	1-126-160-11	ELECT	1uF	20%	50V								
C2003	1-127-882-31	CERAMIC	0.033uF	10%	50V	C4002	1-128-549-11	ELECT	3300uF	20%	35V		
C2005	1-128-803-11	CERAMIC	33PF	5%	50V	C4007	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V		
C2006	1-126-160-11	ELECT	1uF	20%	50V	C4009	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V		
C2008	1-128-806-11	CERAMIC	56PF	5%	50V	C4100	1-128-959-21	ELECT	1000uF	20%	35V		
C2010	1-127-882-31	CERAMIC	0.033uF	10%	50V	C4102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V		
C2011	1-127-880-11	CERAMIC	0.022uF	10%	50V	C4103	1-128-950-21	ELECT	1000uF	20%	16V		
C2012	1-127-880-11	CERAMIC	0.022uF	10%	50V	< CONNECTOR >							
C2013	1-126-160-11	ELECT	1uF	20%	50V	CN4001	1-778-226-21	CONNECTOR, BOARD TO BOARD 6P					
C2014	1-124-465-00	ELECT	0.47uF	20%	50V	< DIODE >							
C2018	1-127-888-11	CERAMIC	0.1uF	10%	50V	D4001	8-719-077-77	DIODE	D3SB60F3				
< DIODE >						D4805	6-502-218-01	DIODE	RB060M-30				
D2013	8-719-991-33	DIODE	1SS133T-77			< IC >							
D2014	8-719-991-33	DIODE	1SS133T-77			IC4100	8-759-659-28	IC	SI-8033S				
< IC >						< COIL >							
IC2000	8-759-167-88	IC	NJM4565D			L4100	1-456-545-11	COIL, CHOKE	100uH				
< JACK >						L4101	1-456-545-11	COIL, CHOKE	100uH				
J2000	1-820-056-21	SMALL TYPE JACK (3.5mm) (AUTO CAL MIC)				< RESISTOR >							
< RESISTOR >						R4100	1-216-821-11	METAL CHIP	1K	5%	1/10W		
R2000	1-247-831-11	CARBON	1K	5%	1/4W	R4102	1-216-818-11	METAL CHIP	560	5%	1/10W		
R2001	1-249-429-11	CARBON	10K	5%	1/4W	*****							
R2003	1-249-429-11	CARBON	10K	5%	1/4W	A-1444-787-A DIGITAL BOARD, COMPLETE (US,CND)							
R2005	1-247-903-00	CARBON	1M	5%	1/4W	A-1444-788-A DIGITAL BOARD, COMPLETE (AEP,UK,ECE)							
R2006	1-247-831-11	CARBON	1K	5%	1/4W	A-1519-830-A DIGITAL BOARD, COMPLETE (AUS)							
R2007	1-249-429-11	CARBON	10K	5%	1/4W	A-1528-670-A DIGITAL BOARD, COMPLETE (TW)							
R2008	1-247-897-11	CARBON	560K	5%	1/4W	*****							
R2010	1-249-429-11	CARBON	10K	5%	1/4W	7-685-646-79 SCREW +BVTP 3X8 TYPE2 IT-3							
R2015	1-249-435-11	CARBON	33K	5%	1/4W	< CAPACITOR >							
R2016	1-249-431-11	CARBON	15K	5%	1/4W	C1001	1-126-925-11	ELECT	470uF	20%	10V		
R2017	1-249-421-11	CARBON	2.2K	5%	1/4W	C1002	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V		
R2018	1-249-418-11	CARBON	1.2K	5%	1/4W	C1003	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R2019	1-249-421-11	CARBON	2.2K	5%	1/4W	C1004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V		
*****						C1005	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V		
						C1006	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C1007	1-126-964-11	ELECT	10uF	20%	50V	C1103	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1009	1-126-947-11	ELECT	47uF	20%	35V	C1104	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1012	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1105	1-117-370-11	CERAMIC CHIP	10uF		10V
C1021	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	C1107	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1022	1-135-372-31	ELECT	470uF	20%	10V	C1108	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1023	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	C1109	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1024	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	C1110	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1025	1-135-372-31	ELECT	470uF	20%	10V	C1111	1-126-947-11	ELECT	47uF	20%	35V
C1026	1-135-372-31	ELECT	470uF	20%	10V	C1112	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1028	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1113	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1031	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	C1114	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1032	1-135-372-31	ELECT	470uF	20%	10V	C1115	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1039	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1116	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1041	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1117	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1044	1-164-848-11	CERAMIC CHIP	8PF	0.5PF	50V	C1118	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1048	1-164-848-11	CERAMIC CHIP	8PF	0.5PF	50V	C1119	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1050	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1120	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1051	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1052	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1122	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1053	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1123	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1054	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1124	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1055	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V						(EXCEPT US,CND)
C1056	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1127	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1057	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1128	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1058	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1131	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1059	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1132	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1060	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1137	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1061	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1138	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1062	1-117-370-11	CERAMIC CHIP	10uF		10V	C1139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1063	1-126-933-11	ELECT	100uF	20%	16V	C1140	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1064	1-126-933-11	ELECT	100uF	20%	16V	C1142	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1065	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1149	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1067	1-164-933-11	CERAMIC CHIP	220PF	10%	50V	C1171	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1068	1-164-933-11	CERAMIC CHIP	220PF	10%	50V	C1172	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1069	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1179	1-126-933-11	ELECT	100uF	20%	16V
C1070	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1191	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1072	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1252	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1073	1-126-933-11	ELECT	100uF	20%	16V	C1253	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1074	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1254	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1075	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	C1255	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1076	1-126-933-11	ELECT	100uF	20%	16V	C1258	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1077	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1299	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1078	1-117-370-11	CERAMIC CHIP	10uF		10V	C1301	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1080	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1302	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C1083	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1303	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1084	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1304	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C1085	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1305	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1087	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1306	1-126-947-11	ELECT	47uF	20%	35V
C1088	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1307	1-126-947-11	ELECT	47uF	20%	35V
C1089	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1308	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1092	1-117-370-11	CERAMIC CHIP	10uF		10V	C1309	1-164-856-81	CERAMIC CHIP	18PF	5%	50V
C1093	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1310	1-164-856-81	CERAMIC CHIP	18PF	5%	50V
C1094	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1311	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1095	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1312	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1096	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1313	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1097	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1314	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1098	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1315	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1099	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	C1320	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1100	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C1351	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1354	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1355	1-126-965-11	ELECT	22uF	20%	50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark
C1358	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	CNS510	1-784-368-51	CONNECTOR, FFC/FPC 9P	
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V	CNS513	1-784-778-11	CONNECTOR, FFC 17P	
C1361	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V			< DIODE >	
C1362	1-164-947-11	CERAMIC CHIP	0.01uF		50V	D1001	8-719-053-18	DIODE 1SR154-400TE-25	
C1370	1-126-947-11	ELECT	47uF	20%	35V	D1003	8-719-049-09	DIODE 1SS367-T3SONY	
C1401	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	D1004	8-719-049-09	DIODE 1SS367-T3SONY	
C1402	1-126-964-11	ELECT	10uF	20%	50V	D1107	6-501-817-01	DIODE MA2J1110GLS0	
C1405	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	D1108	6-501-817-01	DIODE MA2J1110GLS0	
C1406	1-126-964-11	ELECT	10uF	20%	50V	D1109	6-501-817-01	DIODE MA2J1110GLS0	
C1418	1-112-100-11	ELECT	10uF	20%	50V	D1110	6-501-817-01	DIODE MA2J1110GLS0	
C1428	1-126-964-11	ELECT	10uF	20%	50V	D1111	6-501-817-01	DIODE MA2J1110GLS0	
C1450	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	D1301	8-719-404-50	DIODE MA111-TX	
C1451	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	D1501	8-719-049-09	DIODE 1SS367-T3SONY (EXCEPT US,CND)	
C1454	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	D1503	8-719-049-09	DIODE 1SS367-T3SONY (EXCEPT US,CND)	
C1455	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	D1504	8-719-049-09	DIODE 1SS367-T3SONY (EXCEPT US,CND)	
C1457	1-112-100-11	ELECT	10uF	20%	50V			< FERRITE BEAD >	
C1458	1-112-100-11	ELECT	10uF	20%	50V	FB1101	1-400-862-11	BEAD, FERRITE	
C1459	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	FB1102	1-400-862-11	BEAD, FERRITE	
C1460	1-112-083-11	ELECT	100uF	20%	16V	FB1103	1-400-862-11	BEAD, FERRITE	
C1461	1-112-100-11	ELECT	10uF	20%	50V	FB1104	1-469-670-21	FERRITE, EMI (SMD) (2012)	
C1465	1-112-100-11	ELECT	10uF	20%	50V	FB1105	1-400-862-11	BEAD, FERRITE	
C1468	1-126-964-11	ELECT	10uF	20%	50V	FB1112	1-469-670-21	FERRITE, EMI (SMD) (2012)	
C1478	1-112-100-11	ELECT	10uF	20%	50V	FB1113	1-400-862-11	BEAD, FERRITE	
C1488	1-112-100-11	ELECT	10uF	20%	50V	FB1117	1-400-862-11	BEAD, FERRITE	
C1489	1-164-933-11	CERAMIC CHIP	220PF	10%	50V	FB1302	1-400-862-11	BEAD, FERRITE	
C1557	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	FB1305	1-469-139-21	FERRITE, EMI (SMD) (2012)	
C1558	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	FB1306	1-469-139-21	FERRITE, EMI (SMD) (2012)	
C1566	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	FB1308	1-400-862-11	BEAD, FERRITE	
C1567	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	FB1310	1-400-862-11	BEAD, FERRITE	
C1568	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	FB1311	1-400-862-11	BEAD, FERRITE	
C1569	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	FB1350	1-400-862-11	BEAD, FERRITE	
C1600	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1403	1-400-862-11	BEAD, FERRITE	
C1601	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1405	1-400-862-11	BEAD, FERRITE	
C1602	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1452	1-400-862-11	BEAD, FERRITE	
C1603	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1453	1-400-862-11	BEAD, FERRITE	
C1604	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	FB1503	1-469-139-21	FERRITE, EMI (SMD) (2012)	
C1605	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V			< IC >	
C1620	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	IC1001	8-759-231-53	IC TA7805S	
C1653	1-126-964-11	ELECT	10uF	20%	50V	IC1002	6-710-766-01	IC BD12KA5FP-E2	
C1654	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	IC1014	8-759-447-77	IC TC7WH74FU(Te12R)	
C1659	1-126-960-11	ELECT	1uF	20%	50V	IC1031	6-705-469-01	IC BA50BC0FP-E2	
C1660	1-126-960-11	ELECT	1uF	20%	50V	IC1101	6-807-910-01	IC MB90F046PF-G-112E1	
C1907	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G	
C1909	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	IC1131	(Not supplied)	IC S-24CS16A0I-J8T1G	
C1910	1-165-722-11	ELECT	100uF	20%	10V	IC1301	8-759-825-15	IC LC89056W-E	
C1911	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	IC1303	8-759-096-87	IC TC7WU04FU(Te12R)	
C1913	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	IC1351	6-600-466-01	IC TORX147L(SONY)	(DIGITAL SAT IN (OPTICAL))
C1914	1-126-947-11	ELECT	47uF	20%	35V	IC1352	6-600-466-01	IC TORX147L(SONY)	(DIGITAL BD IN (OPTICAL))
C1919	1-126-965-11	ELECT	22uF	20%	50V	IC1401	6-710-554-01	IC PCM1808PWR	
C1923	1-126-947-11	ELECT	47uF	20%	35V	IC1452	6-711-875-01	IC WM8766GEDS/R	
< CONNECTOR >						IC1501	6-709-759-01	IC ADSST-AVR-1115	
CNP503	1-779-977-11	PIN, CONNECTOR 6P				IC1902	8-759-231-56	IC TA7809S	
CNP505	1-779-799-11	PIN, CONNECTOR 9P				IC1903	6-705-463-01	IC BA33BC0T	
* CNP512	1-564-506-11	PLUG, CONNECTOR 3P				IC1904	6-705-468-01	IC BA33BC0FP-E2	
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P				IC1905	6-705-463-01	IC BA33BC0T	
CNS502	1-764-865-41	CONNECTOR, BOARD TO BOARD 13P				IC1906	6-707-745-01	IC SI-3050KM-TL	
CNS504	1-784-861-51	CONNECTOR, FFC (LIF(NON-ZIF)) 9P							
CNS507	1-784-770-11	CONNECTOR, FFC 9P (US,CND,AUS,TW)							
CNS508	1-568-830-11	CONNECTOR, FFC 11P (AEP,UK,ECE)							
CNS509	1-785-466-41	CONNECTOR, FFC/FPC 7P							

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
		< JACK >					R1077	1-216-809-11	METAL CHIP	100	5%	1/10W	
							R1078	1-216-809-11	METAL CHIP	100	5%	1/10W	
J1301	1-793-446-21	JACK, PIN 1P (DIGITAL DVD IN (COAXIAL))					R1080	1-216-864-11	SHORT CHIP	0			
		< CONNECTOR >					R1081	1-216-864-11	SHORT CHIP	0			
							R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W	
J1302	1-817-615-21	CONNECTOR, SQUARE TYPE (RECE) 18P (DMPORT)					R1084	1-216-809-11	METAL CHIP	100	5%	1/10W	
		< JUMPER RESISTOR >					R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W	
JR1003	1-211-950-11	SHORT CHIP	0				R1094	1-216-833-11	METAL CHIP	10K	5%	1/10W	(US,CND,AUS,TW)
JR1004	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		R1095	1-216-833-11	METAL CHIP	10K	5%	1/10W	(US,CND,AUS,TW)
		< RESISTOR >					R1100	1-216-864-11	SHORT CHIP	0			
R1010	1-216-809-11	METAL CHIP	100	5%	1/10W		R1101	1-216-864-11	SHORT CHIP	0			
R1011	1-216-809-11	METAL CHIP	100	5%	1/10W		R1102	1-216-864-11	SHORT CHIP	0			
R1012	1-216-809-11	METAL CHIP	100	5%	1/10W		R1103	1-216-864-11	SHORT CHIP	0			
R1013	1-216-809-11	METAL CHIP	100	5%	1/10W		R1104	1-216-864-11	SHORT CHIP	0			
R1014	1-216-809-11	METAL CHIP	100	5%	1/10W		R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1015	1-216-809-11	METAL CHIP	100	5%	1/10W		R1106	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1016	1-216-809-11	METAL CHIP	100	5%	1/10W		R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1017	1-216-805-11	METAL CHIP	47	5%	1/10W		R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1018	1-216-805-11	METAL CHIP	47	5%	1/10W		R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1019	1-216-809-11	METAL CHIP	100	5%	1/10W		R1112	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1020	1-216-809-11	METAL CHIP	100	5%	1/10W		R1116	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1021	1-216-809-11	METAL CHIP	100	5%	1/10W		R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1022	1-216-809-11	METAL CHIP	100	5%	1/10W		R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1023	1-216-805-11	METAL CHIP	47	5%	1/10W		R1122	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1024	1-216-864-11	SHORT CHIP	0				R1123	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1027	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R1124	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1029	1-216-801-11	METAL CHIP	22	5%	1/10W		R1127	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1030	1-216-801-11	METAL CHIP	22	5%	1/10W		R1128	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1031	1-216-801-11	METAL CHIP	22	5%	1/10W		R1129	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1033	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1130	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1034	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1131	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1035	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1132	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1036	1-216-864-11	SHORT CHIP	0				R1133	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1037	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1134	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1038	1-216-801-11	METAL CHIP	22	5%	1/10W		R1135	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1148	1-216-803-11	METAL CHIP	33	5%	1/10W	
R1040	1-216-801-11	METAL CHIP	22	5%	1/10W		R1151	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1043	1-216-801-11	METAL CHIP	22	5%	1/10W		R1152	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1046	1-216-801-11	METAL CHIP	22	5%	1/10W		R1153	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1047	1-216-801-11	METAL CHIP	22	5%	1/10W		R1156	1-216-864-11	SHORT CHIP	0			
R1048	1-216-857-11	METAL CHIP	1M	5%	1/10W		R1157	1-216-864-11	SHORT CHIP	0			
R1049	1-216-817-11	METAL CHIP	470	5%	1/10W		R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R1050	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1162	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1053	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1164	1-216-864-11	SHORT CHIP	0			
R1058	1-216-813-11	METAL CHIP	220	5%	1/10W (AEP,UK,ECE)		R1174	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1059	1-216-813-11	METAL CHIP	220	5%	1/10W (AEP,UK,ECE)		R1175	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1062	1-216-801-11	METAL CHIP	22	5%	1/10W		R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1068	1-216-801-11	METAL CHIP	22	5%	1/10W		R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1069	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1070	1-216-864-11	SHORT CHIP	0				R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1071	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1072	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1073	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1074	1-216-809-11	METAL CHIP	100	5%	1/10W		R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1076	1-216-809-11	METAL CHIP	100	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	1-216-841-11	METAL CHIP	47K	5%	1/10W	(EXCEPT US,CND)

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DIGITAL DISPLAY

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP,UK,ECE)	R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1468	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AUS)	R1470	1-216-864-11	SHORT CHIP	0		
						R1471	1-216-864-11	SHORT CHIP	0		
R1194	1-216-837-11	METAL CHIP	22K	5%	1/10W (TW)	R1472	1-216-864-11	SHORT CHIP	0		
R1194	1-216-864-11	SHORT CHIP	0 (US,CND)			R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1200	1-216-809-11	METAL CHIP	100	5%	1/10W	R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1485	1-216-864-11	SHORT CHIP	0		
R1203	1-216-809-11	METAL CHIP	100	5%	1/10W	R1493	1-216-864-11	SHORT CHIP	0		
R1253	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1494	1-216-864-11	SHORT CHIP	0		
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1495	1-216-864-11	SHORT CHIP	0		
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1496	1-216-864-11	SHORT CHIP	0		
						R1497	1-216-864-11	SHORT CHIP	0		
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1498	1-216-864-11	SHORT CHIP	0		
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1524	1-216-864-11	SHORT CHIP	0		
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1305	1-216-817-11	METAL CHIP	470	5%	1/10W	R1530	1-216-845-11	METAL CHIP	100K	5%	1/10W (EXCEPT US,CND)
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W						
						R1556	1-216-815-11	METAL CHIP	330	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W	R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W	R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W	R1901	1-216-833-11	METAL CHIP	10K	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	R1922	1-216-864-11	SHORT CHIP	0		
						R1940	1-216-864-11	SHORT CHIP	0		
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W	R1947	1-216-801-11	METAL CHIP	22	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W	R1948	1-216-809-11	METAL CHIP	100	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1949	1-216-841-11	METAL CHIP	47K	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			< VIBRATOR >			
R1321	1-216-864-11	SHORT CHIP	0			X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR (24MHz)			
R1323	1-216-833-11	METAL CHIP	10K	5%	1/10W	X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)			
R1325	1-216-821-11	METAL CHIP	1K	5%	1/10W	X1302	1-795-807-11	VIBRATOR, CRYSTAL (25MHz)			
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				A-1379-922-A	DISPLAY BOARD, COMPLETE (US,CND)			
R1353	1-216-864-11	SHORT CHIP	0				A-1379-923-A	DISPLAY BOARD, COMPLETE (EXCEPT US,CND)			
R1354	1-216-809-11	METAL CHIP	100	5%	1/10W			*****			
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W						
R1356	1-216-817-11	METAL CHIP	470	5%	1/10W			< CAPACITOR >			
R1357	1-216-841-11	METAL CHIP	47K	5%	1/10W	C100	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1358	1-216-853-11	METAL CHIP	470K	5%	1/10W	C101	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W	C105	1-126-964-11	ELECT	10uF	20%	50V
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W	C106	1-127-868-11	CERAMIC	0.0022uF	10%	50V
R1361	1-216-864-11	SHORT CHIP	0			C107	1-127-868-11	CERAMIC	0.0022uF	10%	50V
R1362	1-216-855-11	METAL CHIP	680K	5%	1/10W	C110	1-162-286-31	CERAMIC	220PF	10%	50V
R1367	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C111	1-162-286-31	CERAMIC	220PF	10%	50V
R1400	1-216-864-11	SHORT CHIP	0			C112	1-162-286-31	CERAMIC	220PF	10%	50V
R1401	1-216-809-11	METAL CHIP	100	5%	1/10W	C114	1-135-798-11	CERAMIC	0.22uF		50V
R1405	1-216-864-11	SHORT CHIP	0			C144	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1406	1-216-864-11	SHORT CHIP	0			C145	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1408	1-216-864-11	SHORT CHIP	0			C146	1-126-964-11	ELECT	10uF	20%	50V
R1415	1-216-864-11	SHORT CHIP	0			C147	1-162-286-31	CERAMIC	220PF	10%	50V
R1416	1-216-821-11	METAL CHIP	1K	5%	1/10W	C148	1-162-286-31	CERAMIC	220PF	10%	50V
R1420	1-216-864-11	SHORT CHIP	0			C149	1-162-286-31	CERAMIC	220PF	10%	50V
R1425	1-216-864-11	SHORT CHIP	0			C150	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W	C151	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1427	1-216-864-11	SHORT CHIP	0			C161	1-126-964-11	ELECT	10uF	20%	50V
R1435	1-216-864-11	SHORT CHIP	0								
R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W			< CONNECTOR >			
R1455	1-216-864-11	SHORT CHIP	0			CNS102	1-784-778-11	CONNECTOR, FFC 17P			
R1456	1-216-821-11	METAL CHIP	1K	5%	1/10W			< VACUUM FLUORESCENT DISPLAY >			
R1457	1-216-864-11	SHORT CHIP	0								
R1458	1-216-864-11	SHORT CHIP	0			FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY			
R1464	1-216-864-11	SHORT CHIP	0								

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
		< IC >					C5006	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
							C5007	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
IC100	6-701-729-01	IC PT6315					C5008	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
IC101	8-759-243-51	IC TC74ACT08P					C5009	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
IC103	6-600-349-31	IC NJL24H400A (IR)					C5010	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
		< RESISTOR >					C5011	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R101	1-249-409-11	CARBON	220	5%	1/4W		C5012	1-112-788-11	ELECT CHIP	330uF	20%	6.3V	
R102	1-249-411-11	CARBON	330	5%	1/4W		C5013	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V	
R103	1-249-413-11	CARBON	470	5%	1/4W		C5014	1-112-788-11	ELECT CHIP	330uF	20%	6.3V	
R104	1-249-415-11	CARBON	680	5%	1/4W		C5015	1-128-994-21	ELECT CHIP	47uF	20%	10V	
R105	1-247-831-11	CARBON	1K	5%	1/4W		C5016	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R106	1-249-419-11	CARBON	1.5K	5%	1/4W		C5017	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
R107	1-249-421-11	CARBON	2.2K	5%	1/4W		C5018	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
R108	1-249-409-11	CARBON	220	5%	1/4W		C5019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
R109	1-249-411-11	CARBON	330	5%	1/4W		C5020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
R110	1-249-413-11	CARBON	470	5%	1/4W		C5021	1-117-681-11	ELECT CHIP	100uF	20%	16V	
R115	1-247-807-31	CARBON	100	5%	1/4W		C5022	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R116	1-247-807-31	CARBON	100	5%	1/4W		C5023	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R117	1-247-807-31	CARBON	100	5%	1/4W		C5024	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V	
R118	1-249-440-11	CARBON	82K	5%	1/4W		C5027	1-128-994-21	ELECT CHIP	47uF	20%	10V	
R119	1-247-807-31	CARBON	100	5%	1/4W				< CONNECTOR >				
R120	1-249-393-11	CARBON	10	5%	1/4W	F	CN5001	1-820-735-11	CONNECTOR, HDMI 19P (HDMI DVD IN)				
R121	1-249-393-11	CARBON	10	5%	1/4W	F	CN5002	1-820-735-11	CONNECTOR, HDMI 19P (HDMI BD IN)				
R198	1-249-385-11	CARBON	2.2	5%	1/4W	F	CN5003	1-820-735-11	CONNECTOR, HDMI 19P (HDMI OUT)				
					(EXCEPT US,CND)		CN5004	1-784-368-51	CONNECTOR, FFC/FPC 9P				
R198	1-249-387-81	CARBON	3.3	5%	1/4W	F			< IC >				
					(US,CND)		IC5001	6-709-221-01	IC TMD5341PFCR				
R199	1-249-385-11	CARBON	2.2	5%	1/4W	F	IC5002	6-705-337-01	IC TK11150CSCL-G				
					(EXCEPT US,CND)		IC5003	6-705-468-01	IC BA33BC0FP-E2				
R199	1-249-387-81	CARBON	3.3	5%	1/4W	F	IC5004	6-704-099-01	IC TC7WZ08FK(TE85R)				
					(US,CND)		IC5005	6-707-207-01	IC SN74LVC1G3157DCKR				
		< ROTARY ENCODER >					IC5006	6-706-740-01	IC BA00BC0WFP-E2				
RV101	1-418-817-31	ENCODER, ROTARY (INPUT SELECTOR)							< COIL >				
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE)					L5013	1-400-862-11	BEAD, FERRITE				
		(MASTER VOLUME)							< RESISTOR >				
		< SWITCH >					R5001	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W	
S101	1-771-410-21	SWITCH, TACTILE (MUTING)					R5002	1-218-844-11	METAL CHIP	750	0.5%	1/10W	
S102	1-771-410-21	SWITCH, TACTILE (ANALOG DIRECT)					R5003	1-216-833-11	METAL CHIP	10K	5%	1/10W	
S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)					R5004	1-216-864-11	SHORT CHIP	0			
S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)					R5005	1-216-864-11	SHORT CHIP	0			
S105	1-771-410-21	SWITCH, TACTILE (MOVIE)					R5006	1-216-864-11	SHORT CHIP	0			
S106	1-771-410-21	SWITCH, TACTILE (A.F.D.)					R5007	1-216-864-11	SHORT CHIP	0			
S107	1-771-410-21	SWITCH, TACTILE (2CH)					R5008	1-216-864-11	SHORT CHIP	0			
S108	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)					R5009	1-216-864-11	SHORT CHIP	0			
S109	1-771-410-21	SWITCH, TACTILE (TUNING MODE)					R5010	1-216-864-11	SHORT CHIP	0			
S110	1-771-410-21	SWITCH, TACTILE (TUNING -)					R5011	1-216-864-11	SHORT CHIP	0			
S111	1-771-410-21	SWITCH, TACTILE (TUNING +)					R5014	1-216-864-11	SHORT CHIP	0			
S124	1-771-410-21	SWITCH, TACTILE (MUSIC)					R5015	1-216-821-11	METAL CHIP	1K	5%	1/10W	

	A-1519-237-A	HDMI SW BOARD, COMPLETE					R5016	1-216-864-11	SHORT CHIP	0			
		*****					R5017	1-216-864-11	SHORT CHIP	0			
		< CAPACITOR >					R5018	1-216-821-11	METAL CHIP	1K	5%	1/10W	
C5001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		R5019	1-216-864-11	SHORT CHIP	0			
C5002	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		R5020	1-216-864-11	SHORT CHIP	0			
C5003	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		R5022	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C5004	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		R5024	1-216-864-11	SHORT CHIP	0			
C5005	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		R5025	1-216-864-11	SHORT CHIP	0			

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HDMI SW	HEADPHONE	MAIN
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Ref. No.	Part No.	Description			Remark
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

HEADPHONE BOARD					

< CAPACITOR >					
C791	1-127-888-11	CERAMIC	0.1uF	10%	50V
< CONNECTOR >					
* CNP790	1-564-507-11	PLUG, CONNECTOR 4P			
< JACK >					
J790	1-815-313-21	JACK (PHONES)			
< LEAD WIRE >					
* TP790	1-690-880-31	LEAD (WITH CONNECTOR)			

	A-1379-912-A	MAIN BOARD, COMPLETE (US,CND)			
	A-1379-913-A	MAIN BOARD, COMPLETE (EXCEPT US,CND)			

	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
< CAPACITOR >					
C320	1-126-923-11	ELECT	220uF	20%	10V
C325	1-126-964-11	ELECT	10uF	20%	50V
C350	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C351	1-126-933-11	ELECT	100uF	20%	16V
C352	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C353	1-126-933-11	ELECT	100uF	20%	16V
C400	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C405	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C408	1-126-963-11	ELECT	4.7uF	20%	50V
C449	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C450	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C458	1-126-963-11	ELECT	4.7uF	20%	50V

Ref. No.	Part No.	Description	Remark		
C471	1-126-963-11	ELECT	4.7uF	20%	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
C652	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
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	1-126-923-11	ELECT	220uF	20%	10V
C670	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C671	1-126-964-11	ELECT	10uF	20%	50V
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	1-126-923-11	ELECT	220uF	20%	10V
C720	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C721	1-126-964-11	ELECT	10uF	20%	50V
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	1-126-923-11	ELECT	220uF	20%	10V
C770	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C771	1-126-964-11	ELECT	10uF	20%	50V
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	1-126-923-11	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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C852	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	< CONNECTOR >			
C853	1-101-810-00	CERAMIC	100PF 5% 500V	CNP410	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P	
C854	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	CNP411	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P	
C855	1-107-583-11	CERAMIC	3PF 0.25PF 500V	* CNP500	1-564-506-11	PLUG, CONNECTOR 3P (EXCEPT US,CND)	
C857	1-126-947-11	ELECT	47uF 20% 35V	* CNP912	1-564-510-11	PLUG, CONNECTOR 7P	
C858	1-162-815-11	CERAMIC	47PF 5% 500V	* CNP921	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P	
C859	1-162-815-11	CERAMIC	47PF 5% 500V				
C860	1-126-964-11	ELECT	10uF 20% 50V	* CNP930	1-564-506-11	PLUG, CONNECTOR 3P	
C861	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	* CNP940	1-564-509-11	PLUG, CONNECTOR 6P	
C862	1-126-923-11	ELECT	220uF 20% 10V	< DIODE >			
C870	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D301	6-501-817-01	DIODE MA2J1110GLS0	
C871	1-126-964-11	ELECT	10uF 20% 50V	D320	6-501-817-01	DIODE MA2J1110GLS0	
C879	1-136-157-00	FILM	0.022uF 5% 50V	D325	6-501-817-01	DIODE MA2J1110GLS0	
C904	1-126-936-11	ELECT	3300uF 20% 16V	D326	6-501-817-01	DIODE MA2J1110GLS0	
C920	1-135-851-21	MYLAR	0.22uF 100V	D327	6-501-817-01	DIODE MA2J1110GLS0	
C921	1-135-851-21	MYLAR	0.22uF 100V	D350	6-501-817-01	DIODE MA2J1110GLS0	
C922	1-165-946-11	ELECT(BLOCK)	6800uF 20% 71V	D352	8-719-053-18	DIODE 1SR154-400TE-25	
C923	1-165-946-11	ELECT(BLOCK)	6800uF 20% 71V	D355	6-501-817-01	DIODE MA2J1110GLS0	
C930	1-119-772-11	ELECT	47uF 20% 35V	D360	6-501-817-01	DIODE MA2J1110GLS0	
C931	1-126-947-11	ELECT	47uF 20% 35V	D375	6-501-817-01	DIODE MA2J1110GLS0	
C932	1-126-947-11	ELECT	47uF 20% 35V	D500	6-501-792-01	DIODE MAZ8300GMLS0	
C933	1-100-623-11	CERAMIC CHIP	0.1uF 10% 100V	D501	6-501-817-01	DIODE MA2J1110GLS0	
C940	1-137-980-11	CERAMIC CHIP	0.47uF 10% 50V	D661	6-501-817-01	DIODE MA2J1110GLS0	
C941	1-137-980-11	CERAMIC CHIP	0.47uF 10% 50V	D670	6-501-817-01	DIODE MA2J1110GLS0	
C3022	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	D711	6-501-817-01	DIODE MA2J1110GLS0	
C3024	1-126-963-11	ELECT	4.7uF 20% 50V	D720	6-501-817-01	DIODE MA2J1110GLS0	
C3025	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D761	6-501-817-01	DIODE MA2J1110GLS0	
C3026	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D770	6-501-817-01	DIODE MA2J1110GLS0	
C3027	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	D811	6-501-817-01	DIODE MA2J1110GLS0	
C3032	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	D820	6-501-817-01	DIODE MA2J1110GLS0	
C3034	1-126-963-11	ELECT	4.7uF 20% 50V	D861	6-501-817-01	DIODE MA2J1110GLS0	
C3037	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	D870	6-501-817-01	DIODE MA2J1110GLS0	
CC01	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	D921	8-719-081-52	DIODE D5SBA20-4003	
CC02	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	D930	6-500-295-01	DIODE PTZ-TE25-5.6B	
CC03	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	D931	6-501-785-01	DIODE MAZ8200GMLS0	
CC05	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	D940	8-719-053-18	DIODE 1SR154-400TE-25	
CC08	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	D941	8-719-053-18	DIODE 1SR154-400TE-25	
CC11	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D942	8-719-053-18	DIODE 1SR154-400TE-25	
CC12	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D943	8-719-053-18	DIODE 1SR154-400TE-25	
CC15	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	< IC >			
CC16	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	IC350	8-759-071-48	IC TA7807S	
CC17	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	IC352	8-759-373-94	IC TA79007SB	
CC51	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	IC400	6-711-760-01	IC BD3471KS2	
CC52	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	IC565	8-759-710-97	IC NJM4565M-D	
CC53	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	IC601	6-710-828-01	IC STK350-530T-E	
CC55	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	IC701	6-710-828-01	IC STK350-530T-E	
CC58	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	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 IN,TV IN,SAT AUDIO IN)	
				J404	1-794-981-11	JACK, PIN 4P (VIDEO AUDIO OUT,AUDIO IN)	
				J405	1-774-785-11	JACK, PIN 1P (SUB WOOFER AUDIO OUT)	
				< 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	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
JR406	1-216-864-11	SHORT CHIP	0	< RESISTOR >			
JR430	1-216-864-11	SHORT CHIP	0	R301	1-216-825-11	METAL CHIP	2.2K
JR431	1-216-864-11	SHORT CHIP	0	R302	1-249-405-11	CARBON	100
JR434	1-216-864-11	SHORT CHIP	0	R303	1-249-405-11	CARBON	100
JR435	1-216-864-11	SHORT CHIP	0	R304	1-216-841-11	METAL CHIP	47K
JR454	1-216-864-11	SHORT CHIP	0	R320	1-216-845-11	METAL CHIP	100K
JR601	1-216-295-11	SHORT CHIP	0	R325	1-218-867-11	METAL CHIP	6.8K
JR605	1-216-864-11	SHORT CHIP	0	R326	1-216-840-11	METAL CHIP	39K
JR606	1-216-864-11	SHORT CHIP	0	R327	1-216-833-11	METAL CHIP	10K
JR701	1-216-295-11	SHORT CHIP	0	R328	1-216-821-11	METAL CHIP	1K
JR702	1-216-864-11	SHORT CHIP	0	R350	1-216-825-11	METAL CHIP	2.2K
JR801	1-216-295-11	SHORT CHIP	0	R351	1-249-399-11	CARBON	33
< COIL >				R352	1-249-401-11	CARBON	47
L678	1-420-872-52	COIL, AIR-CORE		R353	1-216-841-11	METAL CHIP	47K
L728	1-420-872-52	COIL, AIR-CORE		R355	1-216-821-11	METAL CHIP	1K
L778	1-420-872-52	COIL, AIR-CORE		R356	1-249-399-11	CARBON	33
L828	1-420-872-52	COIL, AIR-CORE		R357	1-249-401-11	CARBON	47
L878	1-420-872-52	COIL, AIR-CORE		R358	1-216-841-11	METAL CHIP	47K
< TRANSISTOR >				R360	1-216-821-11	METAL CHIP	1K
Q301	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R361	1-249-399-11	CARBON	33
Q320	8-729-216-31	TRANSISTOR	2SA1163-G	R362	1-249-401-11	CARBON	47
Q321	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R363	1-216-841-11	METAL CHIP	47K
Q325	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R375	1-216-825-11	METAL CHIP	2.2K
Q350	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R376	1-249-399-11	CARBON	33
Q355	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R377	1-249-401-11	CARBON	47
Q360	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R378	1-216-841-11	METAL CHIP	47K
Q375	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	△ R392	1-215-891-11	METAL OXIDE	680
Q500	8-729-281-53	TRANSISTOR	2SC1815-GR	△ R393	1-215-891-11	METAL OXIDE	680
Q501	8-729-027-31	TRANSISTOR	DTA124EKA-T146	R401	1-216-821-11	METAL CHIP	1K
Q651	8-729-119-76	TRANSISTOR	2SA1175-HFE	R402	1-216-821-11	METAL CHIP	1K
Q652	8-729-141-30	TRANSISTOR	2SC3623A-LK	R403	1-216-821-11	METAL CHIP	1K
Q661	8-729-216-31	TRANSISTOR	2SA1163-G	R405	1-216-821-11	METAL CHIP	1K
Q662	8-729-216-31	TRANSISTOR	2SA1163-G	R408	1-216-821-11	METAL CHIP	1K
Q670	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R449	1-216-821-11	METAL CHIP	1K
Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE	R450	1-216-821-11	METAL CHIP	1K
Q702	8-729-141-30	TRANSISTOR	2SC3623A-LK	R451	1-216-821-11	METAL CHIP	1K
Q711	8-729-216-31	TRANSISTOR	2SA1163-G	R452	1-216-821-11	METAL CHIP	1K
Q712	8-729-216-31	TRANSISTOR	2SA1163-G	R453	1-216-821-11	METAL CHIP	1K
Q720	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R455	1-216-821-11	METAL CHIP	1K
Q751	8-729-119-76	TRANSISTOR	2SA1175-HFE	R458	1-216-821-11	METAL CHIP	1K
Q752	8-729-141-30	TRANSISTOR	2SC3623A-LK	R466	1-216-821-11	METAL CHIP	1K
Q761	8-729-216-31	TRANSISTOR	2SA1163-G	R467	1-216-845-11	METAL CHIP	100K
Q762	8-729-216-31	TRANSISTOR	2SA1163-G	R470	1-216-841-11	METAL CHIP	47K
Q770	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R487	1-249-385-11	CARBON	2.2
Q801	8-729-119-76	TRANSISTOR	2SA1175-HFE	R488	1-249-385-11	CARBON	2.2
Q802	8-729-141-30	TRANSISTOR	2SC3623A-LK	R501	1-216-833-11	METAL CHIP	10K
Q811	8-729-216-31	TRANSISTOR	2SA1163-G	R502	1-216-853-11	METAL CHIP	470K
Q812	8-729-216-31	TRANSISTOR	2SA1163-G	R503	1-216-833-11	METAL CHIP	10K
Q820	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R504	1-216-833-11	METAL CHIP	10K
Q851	8-729-119-76	TRANSISTOR	2SA1175-HFE	R505	1-216-833-11	METAL CHIP	10K
Q852	8-729-141-30	TRANSISTOR	2SC3623A-LK	R506	1-216-839-11	METAL CHIP	33K
Q861	8-729-216-31	TRANSISTOR	2SA1163-G	R507	1-216-849-11	METAL CHIP	220K
Q862	8-729-216-31	TRANSISTOR	2SA1163-G	△ R510	1-215-889-00	METAL OXIDE	330
Q870	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	△ R510	1-216-453-00	METAL OXIDE	270
Q930	8-729-140-97	TRANSISTOR	2SB734-34	△ R511	1-215-889-00	METAL OXIDE	330
				△ R511	1-215-890-11	METAL OXIDE	470

Ref. No.	Part No.	Description			Remark		Ref. No.	Part No.	Description			Remark	
R545	1-249-381-11	CARBON	1	5%	1/4W	F	R762	1-240-855-11	CARBON	6.2K	5%	1/4W	F
R546	1-249-381-11	CARBON	1	5%	1/4W	F	R763	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W		
R600	1-216-842-11	METAL CHIP	56K	5%	1/10W		R764	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R602	1-216-842-11	METAL CHIP	56K	5%	1/10W		R765	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W		R766	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R652	1-216-843-11	METAL CHIP	68K	5%	1/10W		R770	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R653	1-208-445-41	RES-CHIP	2.2K	2%	1/10W		R771	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R654	1-208-826-11	METAL CHIP	68K	0.5%	1/10W		R772	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R656	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R773	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R657	1-216-844-11	METAL CHIP	82K	5%	1/10W		R774	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R658	1-216-818-11	METAL CHIP	560	5%	1/10W		R778	1-249-389-11	CARBON	4.7	5%	1/4W	F
R659	1-249-405-11	CARBON	100	5%	1/4W	F	R779	1-249-393-11	CARBON	10	5%	1/4W	F
R660	1-249-405-11	CARBON	100	5%	1/4W	F	R780	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R661	1-216-214-00	RES-CHIP	4.7K	2%	1/8W		R801	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R662	1-240-855-11	CARBON	6.2K	5%	1/4W	F	R802	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R663	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W			R803	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R664	1-216-823-11	METAL CHIP	1.5K	5%	1/10W		R804	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	
R665	1-216-835-11	METAL CHIP	15K	5%	1/10W		R806	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R666	1-216-843-11	METAL CHIP	68K	5%	1/10W		R807	1-216-844-11	METAL CHIP	82K	5%	1/10W	
R670	1-216-837-11	METAL CHIP	22K	5%	1/10W		R808	1-216-818-11	METAL CHIP	560	5%	1/10W	
R671	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		R809	1-249-405-11	CARBON	100	5%	1/4W	F
R672	1-216-835-11	METAL CHIP	15K	5%	1/10W		R810	1-249-405-11	CARBON	100	5%	1/4W	F
R673	1-216-837-11	METAL CHIP	22K	5%	1/10W		R811	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	
R674	1-216-837-11	METAL CHIP	22K	5%	1/10W		R812	1-240-855-11	CARBON	6.2K	5%	1/4W	F
R678	1-249-389-11	CARBON	4.7	5%	1/4W	F	R813	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W		
R679	1-249-393-11	CARBON	10	5%	1/4W	F	R814	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R680	1-216-841-11	METAL CHIP	47K	5%	1/10W		R815	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R701	1-216-821-11	METAL CHIP	1K	5%	1/10W		R816	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R702	1-216-843-11	METAL CHIP	68K	5%	1/10W		R820	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R703	1-208-445-41	RES-CHIP	2.2K	2%	1/10W		R821	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R704	1-208-826-11	METAL CHIP	68K	0.5%	1/10W		R822	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R706	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R823	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R707	1-216-844-11	METAL CHIP	82K	5%	1/10W		R824	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R708	1-216-818-11	METAL CHIP	560	5%	1/10W		R828	1-249-389-11	CARBON	4.7	5%	1/4W	F
R709	1-249-405-11	CARBON	100	5%	1/4W	F	R829	1-249-393-11	CARBON	10	5%	1/4W	F
R710	1-249-405-11	CARBON	100	5%	1/4W	F	R830	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R711	1-216-214-00	RES-CHIP	4.7K	2%	1/8W		R851	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R712	1-240-855-11	CARBON	6.2K	5%	1/4W	F	R852	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R713	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W			R853	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R714	1-216-823-11	METAL CHIP	1.5K	5%	1/10W		R854	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	
R715	1-216-835-11	METAL CHIP	15K	5%	1/10W		R856	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R716	1-216-843-11	METAL CHIP	68K	5%	1/10W		R857	1-216-844-11	METAL CHIP	82K	5%	1/10W	
R720	1-216-837-11	METAL CHIP	22K	5%	1/10W		R858	1-216-818-11	METAL CHIP	560	5%	1/10W	
R721	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		R859	1-249-405-11	CARBON	100	5%	1/4W	F
R722	1-216-835-11	METAL CHIP	15K	5%	1/10W		R860	1-249-405-11	CARBON	100	5%	1/4W	F
R723	1-216-837-11	METAL CHIP	22K	5%	1/10W		R861	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	
R724	1-216-837-11	METAL CHIP	22K	5%	1/10W		R862	1-240-855-11	CARBON	6.2K	5%	1/4W	F
R728	1-249-389-11	CARBON	4.7	5%	1/4W	F	R863	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W		
R729	1-249-393-11	CARBON	10	5%	1/4W	F	R864	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R730	1-216-841-11	METAL CHIP	47K	5%	1/10W		R865	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R751	1-216-821-11	METAL CHIP	1K	5%	1/10W		R866	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R752	1-216-843-11	METAL CHIP	68K	5%	1/10W		R870	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R753	1-208-445-41	RES-CHIP	2.2K	2%	1/10W		R871	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R754	1-208-826-11	METAL CHIP	68K	0.5%	1/10W		R872	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R756	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R873	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R757	1-216-844-11	METAL CHIP	82K	5%	1/10W		R874	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R758	1-216-818-11	METAL CHIP	560	5%	1/10W		R878	1-249-389-11	CARBON	4.7	5%	1/4W	F
R759	1-249-405-11	CARBON	100	5%	1/4W	F	R879	1-249-393-11	CARBON	10	5%	1/4W	F
R760	1-249-405-11	CARBON	100	5%	1/4W	F	R880	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R761	1-216-214-00	RES-CHIP	4.7K	2%	1/8W		R930	1-216-837-11	METAL CHIP	22K	5%	1/10W	

STR-DG520

Ver. 1.1

- MAIN
- POWER
- STANDBY
- VIDEO

Ref. No.	Part No.	Description	Remark		
R931	1-216-833-11	METAL CHIP	10K	5%	1/10W
R932	1-249-389-11	CARBON	4.7	5%	1/4W F
△ R940	1-240-877-11	FUSIBLE	0.15	5%	1/2W F
R3010	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3011	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3012	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3013	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3020	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3021	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3022	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3023	1-216-841-11	METAL CHIP	47K	5%	1/10W
RR11	1-249-393-11	CARBON	10	5%	1/4W F (EXCEPT US,CND)
RR12	1-249-393-11	CARBON	10	5%	1/4W F (EXCEPT US,CND)
RR15	1-249-393-11	CARBON	10	5%	1/4W F (EXCEPT US,CND)
RR16	1-249-393-11	CARBON	10	5%	1/4W F (EXCEPT US,CND)
RR17	1-249-393-11	CARBON	10	5%	1/4W F (EXCEPT US,CND)
< RELAY >					
RY301	1-755-267-11	RELAY			
RY350	1-755-170-11	RELAY (12V)			
RY355	1-755-170-11	RELAY (12V)			
RY360	1-755-170-11	RELAY (12V)			
RY375	1-755-170-11	RELAY (12V)			
< TERMINAL BOARD >					
TB601	1-780-215-11	TERMINAL BOARD (SP) (4P)			(SPEAKERS FRONT)
TB604	1-694-785-11	TERMINAL BOARD (SP) (4P)			(SPEAKERS SURROUND)
TB607	1-694-157-21	TERMINAL, PUSH (2P) (SPEAKERS CENTER)			

POWER BOARD					

< CONNECTOR >					
* CNP152	1-564-506-11	PLUG, CONNECTOR 3P			
< RESISTOR >					
R130	1-249-415-11	CARBON	680	5%	1/4W
< SWITCH >					
S120	1-771-410-21	SWITCH, TACTILE (SPEAKERS (ON/OFF))			
S153	1-771-410-21	SWITCH, TACTILE (I/⏻)			

	A-1379-916-A	STANDBY BOARD, COMPLETE (US,CND)			
	A-1379-917-A	STANDBY BOARD, COMPLETE			(AEP,UK,AUS,ECE)
	A-1528-669-A	STANDBY BOARD, COMPLETE (TW)			

	1-533-217-41	HOLDER, FUSE			
< 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

Ref. No.	Part No.	Description	Remark		
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			
D911	8-719-053-18	DIODE 1SR154-400TE-25			
D912	8-719-053-18	DIODE 1SR154-400TE-25			
D913	8-719-053-18	DIODE 1SR154-400TE-25			
D950	8-719-053-18	DIODE 1SR154-400TE-25			
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)			
< 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 F (US,CND)
R902	1-249-381-11	CARBON	1	5%	1/4W F
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 F
△ R911	1-243-634-11	FUSIBLE	0.22	5%	1/2W F
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	TRANSFORMER, POWER (SUB) (US,CND)			
△ T902	1-443-517-11	TRANSFORMER, POWER (SUB) (AEP,UK,AUS,ECE)			
△ T902	1-443-519-11	TRANSFORMER, POWER (SUB) (TW)			

A-1379-915-A		VIDEO BOARD, COMPLETE			

< CAPACITOR >					
C201	1-100-385-11	CERAMIC CHIP	0.47uF		25V
C202	1-100-385-11	CERAMIC CHIP	0.47uF		25V
C203	1-126-947-11	ELECT	47uF	20%	35V
C204	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C211	1-126-964-11	ELECT 10uF 20%	50V			MISCELLANEOUS	
C212	1-126-964-11	ELECT 10uF 20%	50V			*****	
C213	1-126-964-11	ELECT 10uF 20%	50V				
C215	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	57	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)	
C217	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	101	1-828-951-11	WIRE (FLAT TYPE) (9 CORE) (US,CND,AUS,TW)	
				101	1-828-961-51	WIRE (FLAT TYPE) (11 CORE) (AEP,UK,ECE)	
C224	1-126-964-11	ELECT 10uF 20%	50V	102	1-828-311-11	WIRE (FLAT TYPE) (9 CORE)	
C225	1-126-964-11	ELECT 10uF 20%	50V	104	1-828-299-51	WIRE (FLAT TYPE) (7 CORE)	
C226	1-126-964-11	ELECT 10uF 20%	50V				
C227	1-126-964-11	ELECT 10uF 20%	50V	△ 107	1-777-071-83	CORD, POWER (AEP,UK,ECE)	
C228	1-126-964-11	ELECT 10uF 20%	50V	△ 107	1-783-820-11	CORD, POWER (US,CND)	
				△ 107	1-827-597-42	CORD, POWER (TW)	
C229	1-126-964-11	ELECT 10uF 20%	50V	△ 107	1-833-566-21	CORD, POWER (AUS)	
C232	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	△ 108	1-770-019-61	ADAPTOR, CONVERSION PLUG (UK)	
C233	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V				
		< CONNECTOR >		△ F901	1-532-464-33	FUSE (T2.5AL/250V) (AEP,UK,AUS,ECE)	
* CNP203	1-564-507-11	PLUG, CONNECTOR 4P		△ F901	1-532-505-33	FUSE (5A/250V) (TW)	
CNS271	1-779-275-11	CONNECTOR, FFC (LIF(NON-ZIF)) 7P		△ F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V)	(US,CND)
		< DIODE >		△ F4001	1-532-465-33	FUSE (T3.15AL/250V)	
				△ F4002	1-532-465-33	FUSE (T3.15AL/250V)	
D210	6-501-817-01	DIODE MA2J11110GLSO		Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
D211	6-501-817-01	DIODE MA2J11110GLSO		Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
		< IC >		Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
IC201	8-759-231-53	IC TA7805S		Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
IC202	8-759-373-92	IC TA79005SB		Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
IC210	6-704-199-01	IC NJM2595M-TE2					
IC220	6-706-767-01	IC NJM2586AM		Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
		< JACK >		Q803	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
J210	1-815-043-11	JACK, PIN 2P (VIDEO VIDEO IN, MONITOR VIDEO OUT)		Q804	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
J211	1-794-978-11	JACK, PIN 3P (SAT VIDEO IN, DVD VIDEO IN, VIDEO VIDEO OUT)		Q853	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
J220	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO SAT IN,DVD IN,MONITOR OUT)		Q854	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
		< JUMPER RESISTOR >		△ T901	1-439-550-21	TRANSFORMER, POWER (MAIN)	(AEP,UK,AUS,ECE)
JR240	1-216-864-11	SHORT CHIP 0		△ T901	1-439-552-21	TRANSFORMER, POWER (MAIN) (TW)	
JR242	1-216-864-11	SHORT CHIP 0		△ T901	1-439-583-11	TRANSFORMER, POWER (MAIN) (US,CND)	
		< RESISTOR >		TN1	1-693-733-31	TUNER PACK (FM/AM) (ANTENNA) (US,CND)	
R211	1-211-990-11	METAL CHIP 75 0.5%	1/10W	TN1	1-693-735-21	TUNER PACK (FM/AM) (ANTENNA) (AUS,TW)	
R212	1-211-990-11	METAL CHIP 75 0.5%	1/10W	TN1	1-693-736-21	TUNER PACK (FM/AM) (ANTENNA)	(AEP,UK,ECE)
R213	1-211-990-11	METAL CHIP 75 0.5%	1/10W			*****	
R214	1-211-990-11	METAL CHIP 75 0.5%	1/10W			ACCESSORIES	
R215	1-211-990-11	METAL CHIP 75 0.5%	1/10W			*****	
R221	1-216-864-11	SHORT CHIP 0		1-480-585-11	REMOTE COMMANDER (RM-AAU020)		
R222	1-216-864-11	SHORT CHIP 0				(including BATTERY LID)	
R223	1-216-864-11	SHORT CHIP 0		1-501-374-12	ANTENNA, LOOP (AM)		
R224	1-211-990-11	METAL CHIP 75 0.5%	1/10W	1-501-807-12	ANTENNA (FM) (EXCEPT US,CND)		
R225	1-211-990-11	METAL CHIP 75 0.5%	1/10W	1-542-670-11	MEASUREMENT MIC (MONO) (EXCEPT US,CND)		
R226	1-211-990-11	METAL CHIP 75 0.5%	1/10W	1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM) (US,CND)		
R227	1-211-990-11	METAL CHIP 75 0.5%	1/10W	3-284-083-11	MANUAL, INSTRUCTION (ENGLISH) (US,CND)		
R228	1-211-990-11	METAL CHIP 75 0.5%	1/10W	3-284-083-21	MANUAL, INSTRUCTION (FRENCH) (CND)		
R229	1-211-990-11	METAL CHIP 75 0.5%	1/10W	3-284-083-31	MANUAL, INSTRUCTION (SPANISH) (US)		
R276	1-211-990-11	METAL CHIP 75 0.5%	1/10W	3-284-083-41	MANUAL, INSTRUCTION (ENGLISH)		
						(AEP,UK,AUS,ECE)	
R277	1-211-990-11	METAL CHIP 75 0.5%	1/10W	3-284-083-51	MANUAL, INSTRUCTION (FRENCH) (AEP,ECE)		
R278	1-211-990-11	METAL CHIP 75 0.5%	1/10W	3-284-083-61	MANUAL, INSTRUCTION (SPANISH) (AEP,ECE)		
				3-284-083-71	MANUAL, INSTRUCTION (DUTCH,SWEDISH, GERMAN) (AEP,ECE)		
				3-284-083-81	MANUAL, INSTRUCTION (ITALIAN,POLISH)		
						(AEP,ECE)	
				3-284-083-91	MANUAL, INSTRUCTION		
						(TRADITIONAL CHINESE) (TW)	
				3-295-368-11	MANUAL, INSTRUCTION (DANISH,FINNISH)		
						(AEP,ECE)	

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
	3-295-368-21	MANUAL, INSTRUCTION (PORTUGUESE)	(AEP,ECE)
	3-295-368-31	MANUAL, INSTRUCTION (RUSSIAN) (AEP,ECE)	
	3-298-967-11	MANUAL, INSTRUCTION (GREEK) (AEP,ECE)	
	3-298-967-21	MANUAL, INSTRUCTION (TURKISH) (AEP,ECE)	
	3-298-967-31	MANUAL, INSTRUCTION (HUNGARIAN,CZECH)	(AEP,ECE)
	3-298-967-41	MANUAL, INSTRUCTION (SLOVAKIAN)	(AEP,ECE)

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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.

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