

STR-DG810

SERVICE MANUAL

US Model

Ver. 1.0 2007. 03



This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

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** “DTS” and “DTS-ES | Neo:6” are registered trademarks of DTS, Inc. “96/24” is a trademark of DTS, Inc.

This receiver incorporates High-Definition Multimedia Interface (HDMI™) technology. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

XM is a registered trademark of XM Satellite Radio Inc.

This product is manufactured under license from Neural Audio Corporation.
Sony Corporation hereby grants the used a non-exclusive, non-transferable, limited license right to use this product under the US and foreign patents pending and other related technology owned by Neural Audio Corporation.

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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 100 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 ¹⁾

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

100 W + 100 W

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

110 W + 110 W

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

150 W/ch

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-887-624-01

2007C04-1

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Sony Corporation

Home Audio Division

Published by Sony Techno Create Corporation

SONY®

STR-DG810

1) Measured under the following conditions:

Area code	Power requirements
US	120 V AC, 60 Hz

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

Frequency response	
Analog	10 Hz – 70 kHz +0.5/-2 dB (with sound field and equalizer bypassed)
Inputs	
Analog	Sensitivity: 500 mV/ 50 kohms S/N 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
Equalizer	
Gain levels	±10 dB, 1 dB step

- 3) INPUT SHORT (with sound field and equalizer 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	
With 10-kHz tuning scale:	530 – 1,710 kHz ⁵⁾
With 9-kHz tuning scale:	531 – 1,710 kHz ⁵⁾
Antenna	Loop antenna
Intermediate frequency	450 kHz

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

Video section

Inputs/Outputs	
Video:	1 Vp-p/75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p/75 ohms Pb/Cb: 0.7 Vp-p/ 75 ohms Pr/Cr: 0.7 Vp-p/ 75 ohms 80 MHz HD Pass Through

General

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

Power output (DIGITAL MEDIA PORT)	
DC OUT	5 V, 700 mA

Power consumption	
Area code	Power consumption
US	250 W

Power consumption (during standby mode)	
	0.3 W (When “CONTROL” in VIDEO menu is set to “CTRL OFF”)

AC outlets:	
Area code	AC outlets
US	1 switch, 120 W/1A MAX

Dimensions (w/h/d) (Approx.)	
	430 × 157.5 × 316 mm (16 ⁷ / ₈ × 6 ² / ₈ × 12 ⁴ / ₈ inches) including projecting parts and controls
Mass (Approx.)	8.1 kg (17 lb 14 oz)

Supplied accessories	
	FM wire antenna (1) AM loop antenna (1) Remote commander RM-AAP016 (1) R6 (size-AA) batteries (2) Optimizer microphone ECM-AC2 (1)

Design and specifications are subject to change without notice.

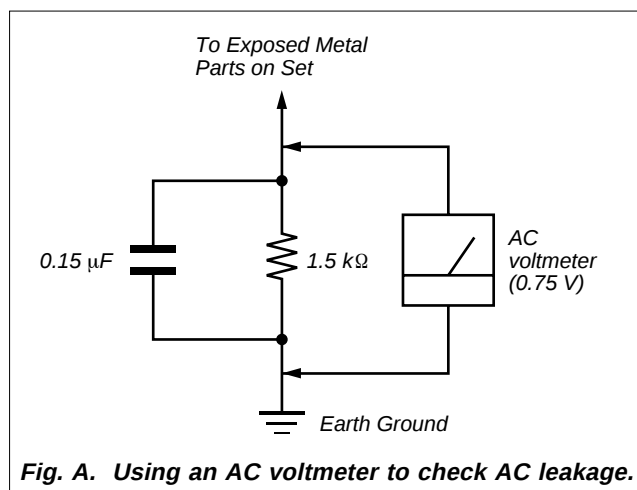
SAFETY CHECK-OUT (US MODEL)

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

LEAKAGE TEST

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

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

**MODEL IDENTIFICATION**

— BACK PANEL —



MODEL	PART No.
US	2-898-468-0□

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

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

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.

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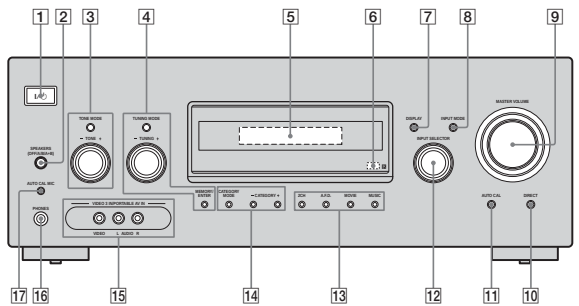
SECTION 1
GENERAL

This section is extracted from instruction manual.

Getting Started

Description and location of parts

Front panel



Name	Function
1 POWER (on/standby)	Press to turn the receiver on or off (page 27, 37, 38, 58, 91).
2 SPEAKERS (OFF/A/B/A+B)	Press to select OFF, A, B, A+B of the front speakers (page 28).
3 TONE MODE TONE +/-	Adjusts the tonal quality (bass/treble level) of the front speakers. Press TONE MODE repeatedly to select "BASS LVL" or "TRE LVL", then turn TONE +/- to adjust the level (page 40).
4 TUNING MODE TUNING +/- MEMORY/ENTER	Press to operate a tuner (FM/AM/XM) (page 58, 63).

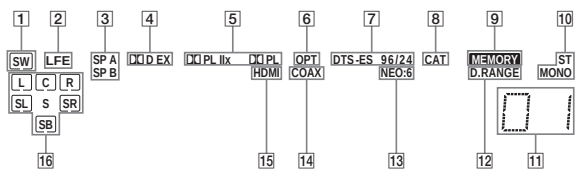
Name	Function
5 Display	The current status of the selected component or a list of selectable items appears here (page 7).
6 Remote sensor	Receives signals from remote commander.
7 DISPLAY	Press to select information displayed on the display (page 67, 77).
8 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks (page 71).
9 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time (page 34, 36, 37, 38).

continued

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Name	Function
10 DIRECT	Press to listen to high quality analog sound (page 57).
11 AUTO CAL	Press to activate the Auto Calibration function (page 30).
12 INPUT SELECTOR	Turn to select the input source to playback (page 35, 37, 38, 57, 59, 64, 71, 74, 76, 78).
13 MOVIE MUSIC A.F.D. 2CH	Press to select a sound field (page 52, 54, 57).
14 CATEGORY +/- CATEGORY MODE	Used when listening to XM Radio (page 66).
15 VIDEO 3 IN/PORTABLE AV IN jacks	Connect to a camcorder or video game (page 25, 36).
16 PHONES jack	Connects to headphones (page 87).
17 AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Auto Calibration function (page 29).

About the indicators on the display



Name	Function
1 SW	Lights up when sub woofer is set to "YES" (page 42) and the audio signal is output from the SUB WOOFER jack.
2 LFE	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 SP A/SP B	Lights up according to the speaker system used. However, these indicators do not light up if the speaker output is turned off or if headphones are connected.
4 D/ D EX	"D" lights up when Dolby Digital signals are input. "D EX" lights up when Dolby Digital Surround EX signals are decoded. Note When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 71).

Name	Function
5 PL/ PL II/ PL IIx	"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 PL II" lights up when the Pro Logic II Movie/Music/Game decoder is activated. "D PL IIx" lights up when the Pro Logic IIx Movie/Music/Game decoder is activated. However, these indicators do not light up if both the center and surround speakers are set to "NO" (page 42) and you select a sound field using the A.F.D. button. Note Dolby Pro Logic IIx decoding does not function for DTS format signals or for signals with a sampling frequency of more than 48 kHz.
6 OPT	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to "OPT IN" (page 71).

continued

7^{US}

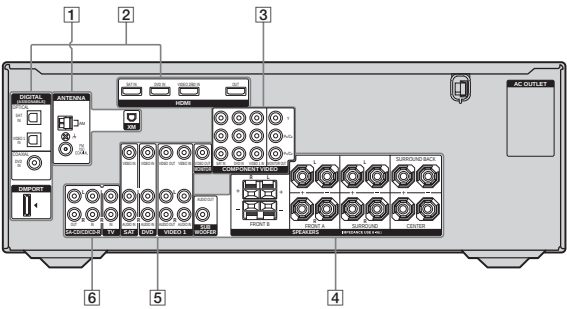
Name	Function
7 DTS/ DTS-ES/ DTS 96/24	"DTS" lights up when DTS signals are input. "DTS-ES" lights up when DTS-ES signals are input. "DTS 96/24" lights up when the receiver is decoding DTS 96 kHz/24 bit signals. Note When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 71).
8 CAT	Lights up when you select category mode to "ONE CAT". For details on presetting XM Radio station, see page 60.
9 MEMORY	Lights up when a memory function, such as Preset Memory (page 61), etc., is activated.
10 Tuner indicators	Lights up when using the receiver to tune in radio stations (page 58), etc.
11 Preset station indicators	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations, see page 60.
12 D.RANGE	Lights up when dynamic range compression is activated (page 40).
13 NEO:6	Lights up when DTS Neo:6 Cinema/Music decoder is activated (page 53).
14 COAX	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to "COAX IN" (page 71).
15 HDMI	Lights up when the receiver recognizes a component connected via an HDMI IN jack (page 19).

Name	Function
16 Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speaker settings). L Front Left R Front Right C Center (monaural) SL Surround Left SR Surround Right S Surround (monaural or the surround components obtained by Pro Logic processing) SB Surround back (the surround back components obtained by 6.1 channel decoding) Example: Recording format (Front/ Surround): 3/2.1 Output channel: When surround speakers are set to "NO" (page 42) Sound Field: A.F.D. AUTO



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Rear panel



1 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna supplied with this receiver (page 26).
	AM ANTENNA terminals	Connects to the AM loop antenna supplied with this receiver (page 26).
	XM jack	Connects to the XM Connect-and-Play antenna (not supplied with this receiver) (page 63).

2 DIGITAL INPUT/OUTPUT section

	OPTICAL IN jack	Connects to a DVD player, etc. The COAXIAL jack provides a better quality of loud sound (page 22, 24).
	COAXIAL IN jack	
	HDMI IN/OUT jack*	Connects to a DVD player or a satellite tuner, etc. The image and the sound are output to TV or a projector (page 19).
	DMPORT	Connects to a DIGITAL MEDIA PORT adapter (page 73).

3 COMPONENT VIDEO INPUT/OUTPUT section

	Green (Y)	Connects to a DVD player, TV or a satellite tuner, etc. You can enjoy high quality image (page 21 – 24).
	Blue (Pb/Cb)	
	Red (Pr/Cr)	

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Getting Started

4 SPEAKER section

	Connects to speakers (page 16).
	Connects to sub woofer (page 16).

5 VIDEO/AUDIO INPUT/OUTPUT section

	AUDIO IN/ OUT jack	Connects the video and audio jacks of a VCR or a DVD player (page 21 – 25).
	Red (R)	
	VIDEO IN/ OUT jack*	

6 AUDIO INPUT/OUTPUT section

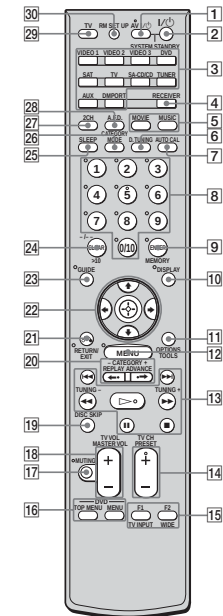
	AUDIO IN/ OUT jack	Connects to a Super Audio CD player or CD player, etc. (page 17).
	Red (R)	

* You can watch the selected input image when you connect the MONITOR OUT jack to a TV monitor (page 21).

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. You can also program the remote to control non-Sony audio/video components. For details, see “Programming the remote” (page 79).

RM-AAP016



Name	Function
1 AV I/⏻ (on/standby)	Press to turn on or off the audio/video components that the remote is programmed to operate. To turn the TV on or off, press TV (28) and then press AV I/⏻. 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).

Name	Function
3 Input buttons	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can program the remote to control non-Sony components by changing the code. For details see “Programming the remote” (page 79).
Button	Assigned Sony component
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 2)
VIDEO 3	VCR (VTR mode 1)
DVD	DVD player
SAT	Satellite tuner
TV	TV
SA-CD/CD	Super Audio CD/CD player
TUNER	Built-in tuner
AUX	Not assigned.
DMPORT	DIGITAL MEDIA PORT adapter
4 RECEIVER	Press to activate the receiver operation (page 39).
5 MOVIE, MUSIC	Press to select sound fields (MOVIE, MUSIC).
6 D.TUNING	Press to enter direct tuning mode.
7 AUTO CAL	Press to activate the Auto Calibration function.

Getting Started

Name	Function
8 Numeric buttons (number 5 ^a)	Press to – preset/tune to preset stations. – select track numbers of the CD player, VCD player, DVD player, LD player, DAT deck, tape deck or MD deck. Press 0/10 to select track number 10. – select channel numbers of the VCR, satellite tuner, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO. Press TV (28) and then press the numeric buttons to select the TV channels.
9 ENTER	Press to enter the value after selecting a channel, disc or track using the numeric buttons of the VCR, CD player, VCD player, LD player, MD deck, DAT deck, tape deck, satellite tuner, Blu-ray disc recorder, or PSX. To enter the value of Sony TV, press TV (28) and then press ENTER.
MEMORY	Press to store a station during tuner operation.
10 DISPLAY	Press to select information displayed on the TV screen of the VCR, VCD player, LD player, satellite tuner, CD player, DVD player, MD deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO. To select information of Sony TV, press TV (28) and then press DISPLAY.
11 OPTIONS TOOLS	Press to display and select items from the option menus for DVD player or DVD/VHS COMBO. To display the options of Sony TV, press TV (28) and then press OPTIONS TOOLS.

Name	Function
12 MENU	Press to display the menus of the receiver, VCR, DVD player, satellite tuner, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO on the TV screen. Then, use ⬅➡⬅➡ and ⬅➡ to perform menu operations. To display the menus of Sony TV, press TV (28) and then press MENU.
13 ⏮⏭⏮⏭ ^b	Press to skip tracks of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO.
⏮⏭ ^b	Press to – search tracks in the forward/backward direction of the CD player, VCD player, DVD player, LD player, MD deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO. – fast forward/rewind of the VCR, DAT deck or tape deck.
▶ ^a ⏮ ^b	Press to start playback of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO.
⏸ ^b	Press to pause playback or recording of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO. (Also starts recording with components in recording standby.)

Name	Function
 ^{b)}	Press to stop playback of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO.
TUNING +/-	Press to scan a station.
14 TV CH ^{a)} +/-	Press TV (29), and then press TV CH +/- to select preset TV channels.
PRESET ^{a)} +/-	Press to select – preset stations, – preset channels of the VCR, satellite tuner, Blu-ray disc recorder, DVD player, DVD/VHS COMBO or DVD/HDD COMBO.
15 F1, F2	Press F1 or F2 to select a component. • DVD/HDD COMBO F1: HDD mode F2: DVD mode • DVD/VHS COMBO F1: DVD mode F2: VHS mode
WIDE	Press TV (29), and then press WIDE to select the wide picture mode.
TV INPUT	Press TV (29) and then press TV INPUT to select the input signal (TV input or video input).
16 DVD TOP MENU	Press to display the menu or on-screen guide of the DVD player on the TV screen. Then, use  ,  ,  and  to perform menu operations.
DVD MENU	Press to display the menu of the DVD player on the TV screen. Then, use  ,  ,  and  to perform menu operations.
17 MUTING	Press to mute the sound (page 36). To mute the sound of the TV, press TV (29) and then press MUTING.

Name	Function
18 TV VOL +/-	Press TV (29) and then press TV VOL +/- to adjust the TV volume level.
MASTER VOL +/-	Press to adjust the volume level of all speakers at the same time.
19 DISC SKIP	Press to skip disc of the CD player, VCD player, DVD player or MD deck (multi-disc changer only).
20 REPLAY  / ADVANCE 	Press to replay the previous scene or fast forward the current scene of the DVD player, Blu-ray disc recorder, DVD/VHS COMBO or DVD/HDD COMBO.
CATEGORY +/-	Press to select XM Radio category you want.
21 RETURN/EXIT 	Press to – return to the previous menu. – exit the menu while the menu or on-screen guide of the VCD player, DVD player, LD player, Blu-ray disc recorder, PSX, DVD/VHS COMBO or satellite tuner is displayed on the TV screen. To return to the previous menu of Sony TV, press TV (29), and then press RETURN/EXIT  .
22     	After pressing RECEIVER (4), press MENU (12) for receiver operation, then press  ,  ,  and  to select the settings. After pressing DVD TOP MENU (16) or DVD MENU (16), press  ,  ,  and  to select the settings, and then press  to enter the selection. Press  also to enter the selection of the receiver, VCR, satellite tuner, DVD player, Blu-ray disc recorder, PSX, DVD/VHS COMBO, or DVD/HDD COMBO.
23 GUIDE	Press to display the EPG (Electronic Program Guide) of the TV, DVD player, satellite tuner, Blu-ray disc recorder, PSX or DVD/HDD COMBO.

Getting Started

Name	Function
24 +/-	Press to select the channel entry mode, either one or two digits of the VCR or satellite tuner. To select the channel entry mode of the TV, press TV (29) and then press +/-.
>10	Press to select track numbers over 10 of the VCR, VCD player, LD player, CD player, MD deck, tape deck, TV or satellite tuner.
CLEAR	Press to clear a mistake when you press the incorrect numeric button of the DVD player, satellite tuner, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO.
25 SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.
26 CATEGORY MODE	Press to select the category mode for XM radio.
27 2CH	Press to select 2CH STEREO mode.
28 A.F.D.	Press to select A.F.D. mode.
29 TV	Press to light up the button. It changes the remote key function to activate the buttons with orange printing. It also activate the OPTIONS TOOLS (11), MENU (12), RETURN/EXIT  (21), DISPLAY (10),  (22) and  ,  (22) buttons to perform menu operations for Sony TVs only.
30 RM SET UP	Press to set-up the remote.

Notes

- The AUX on the remote is not available for receiver operation.
- 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.

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

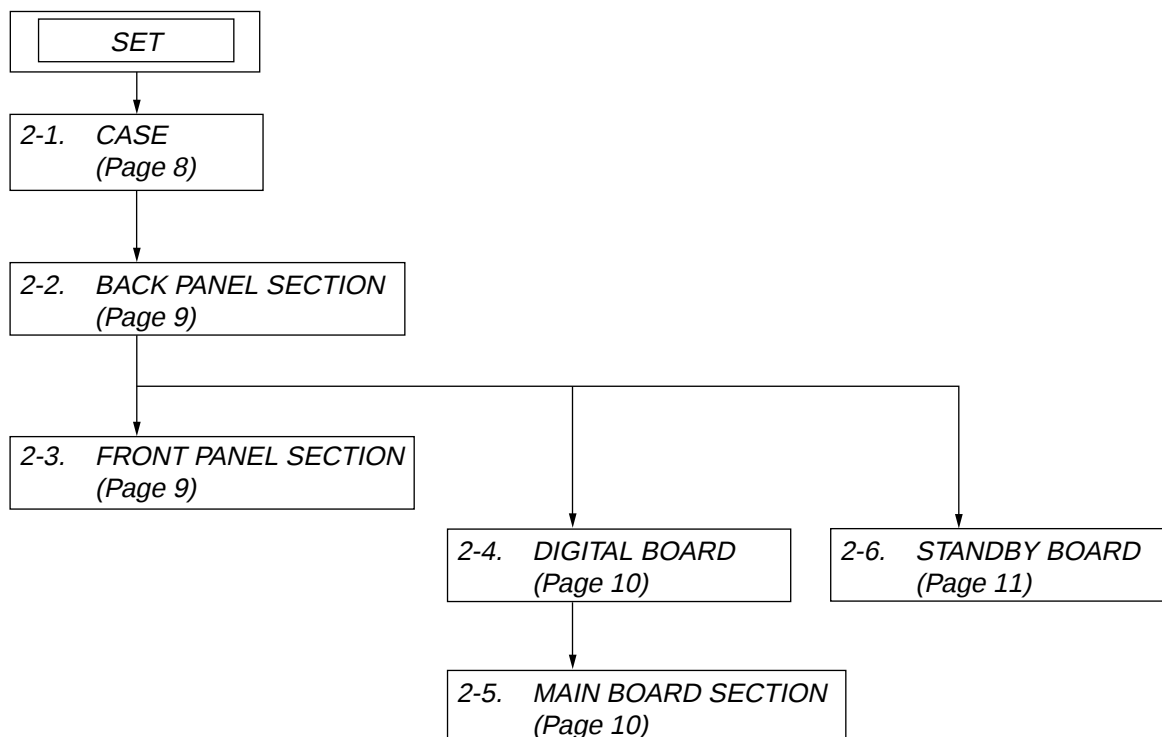
^{b)}This button is also available for Sony DIGITAL MEDIA PORT adapter operation. For details on the function of the button, see the operating instructions supplied with the DIGITAL MEDIA PORT adapter.

continued

13^{US}14^{US}

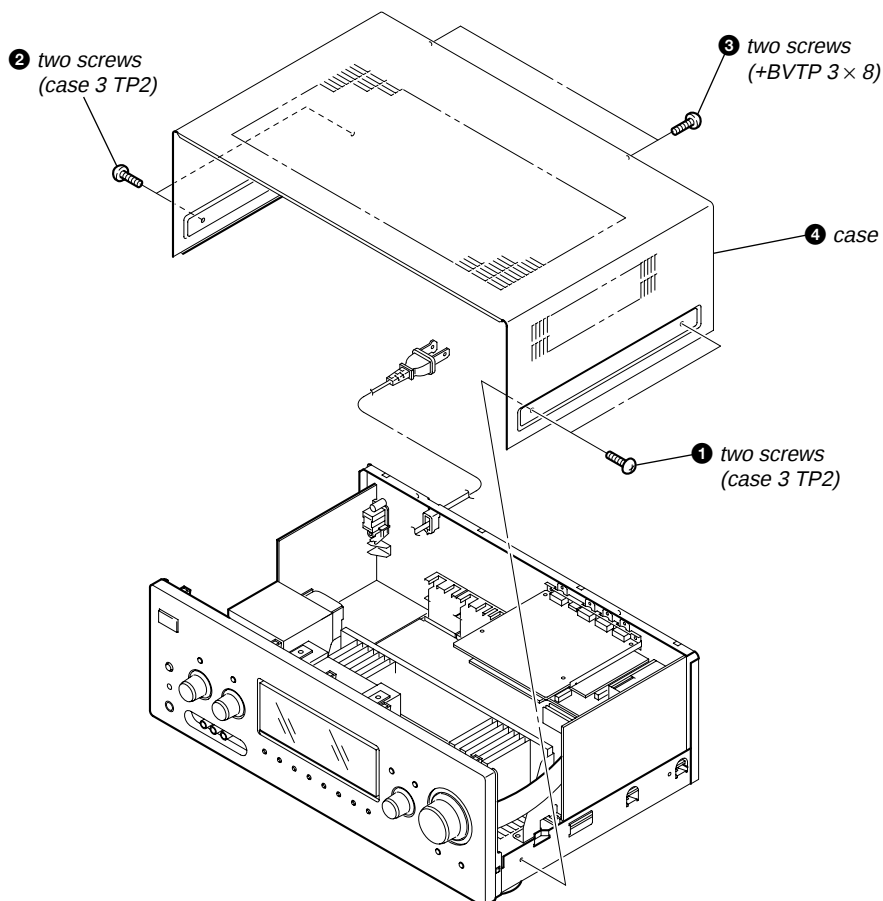
SECTION 2 DISASSEMBLY

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

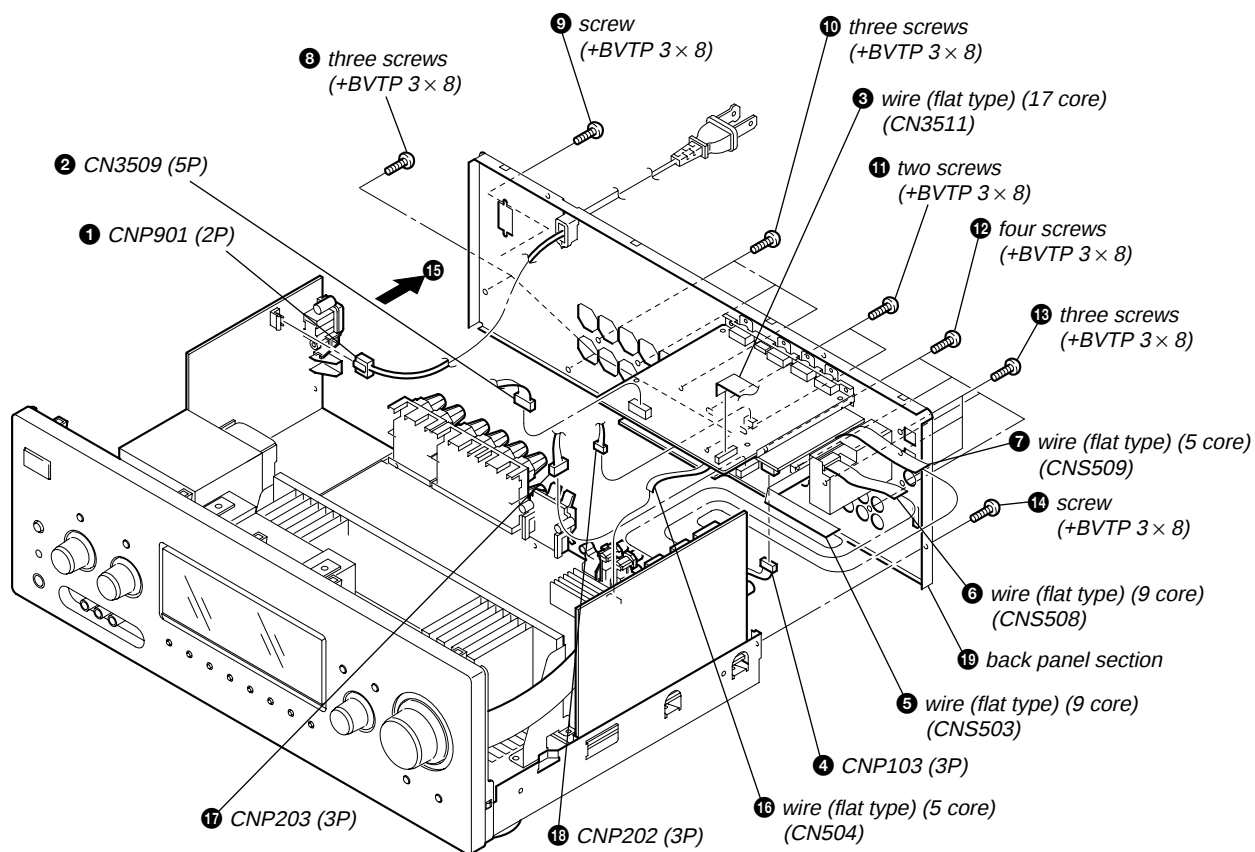


Note : Follow the disassembly procedure in the numerical order given.

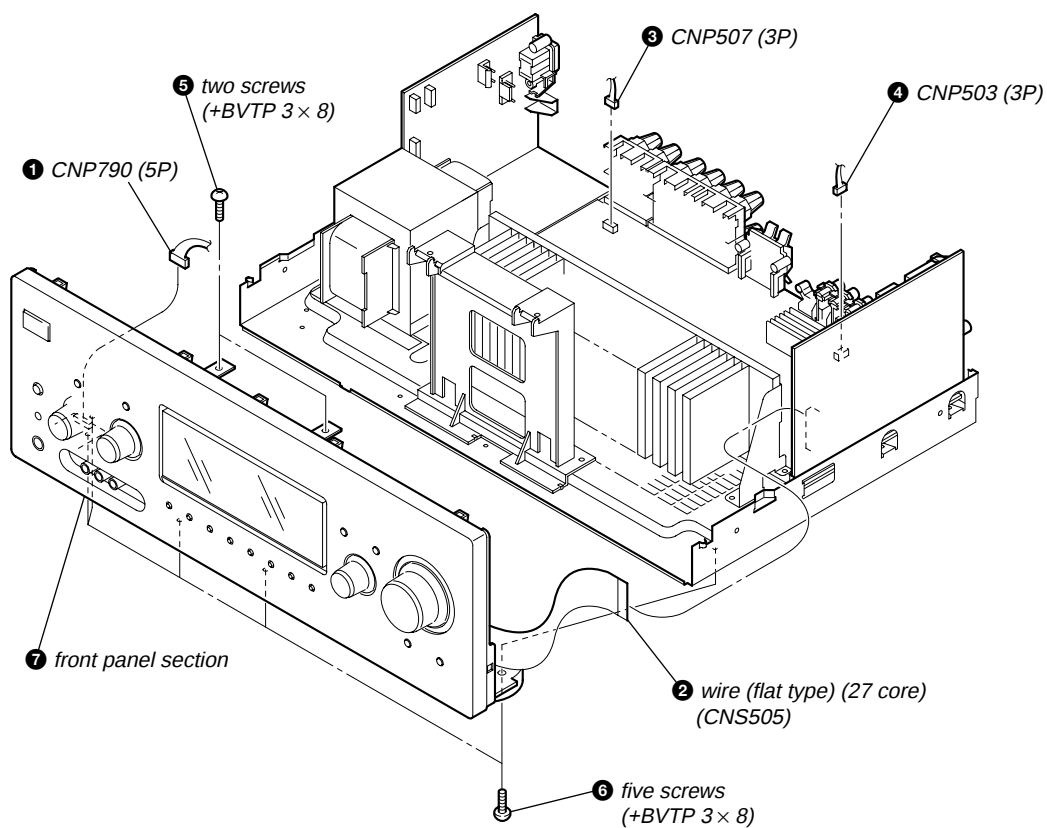
2-1. CASE



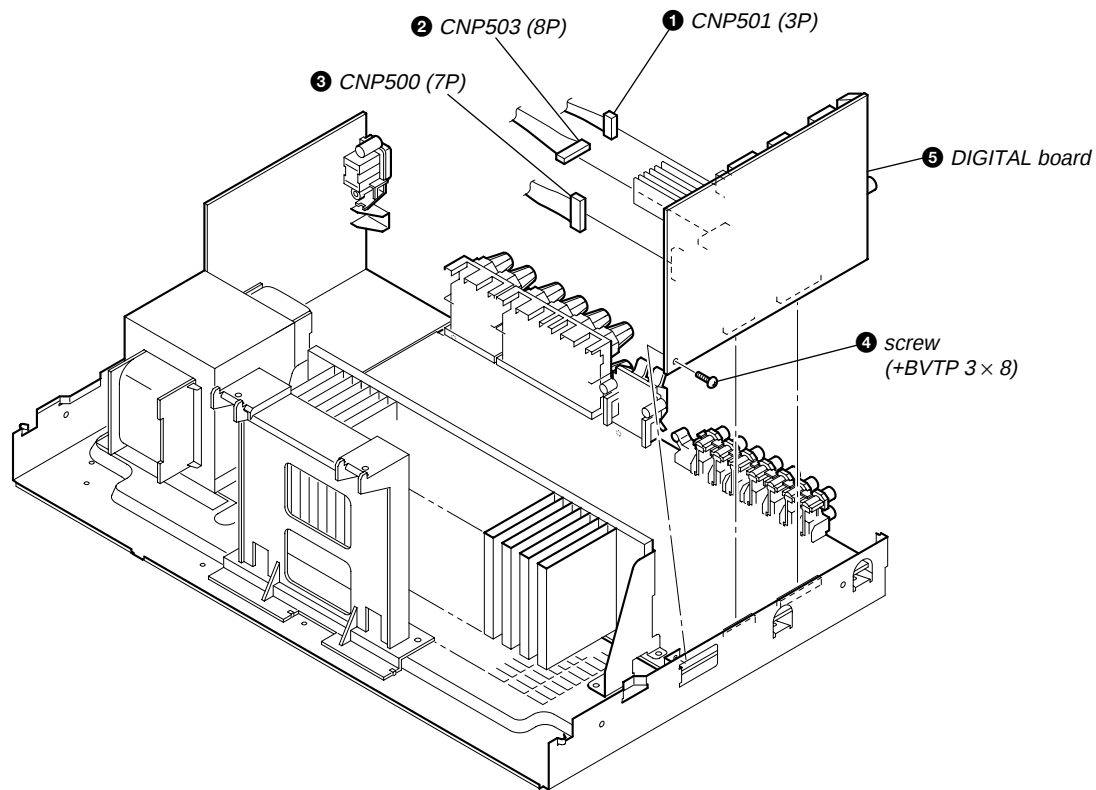
2-2. BACK PANEL SECTION



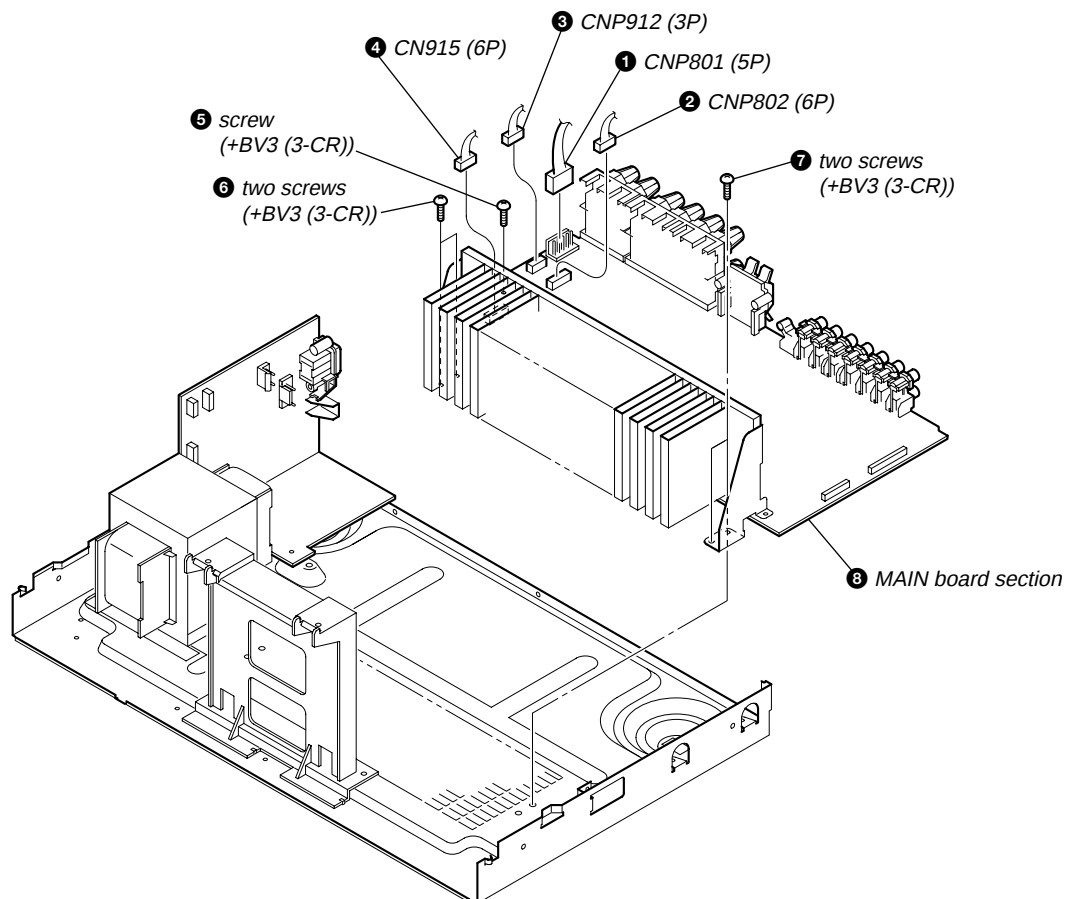
2-3. FRONT PANEL SECTION



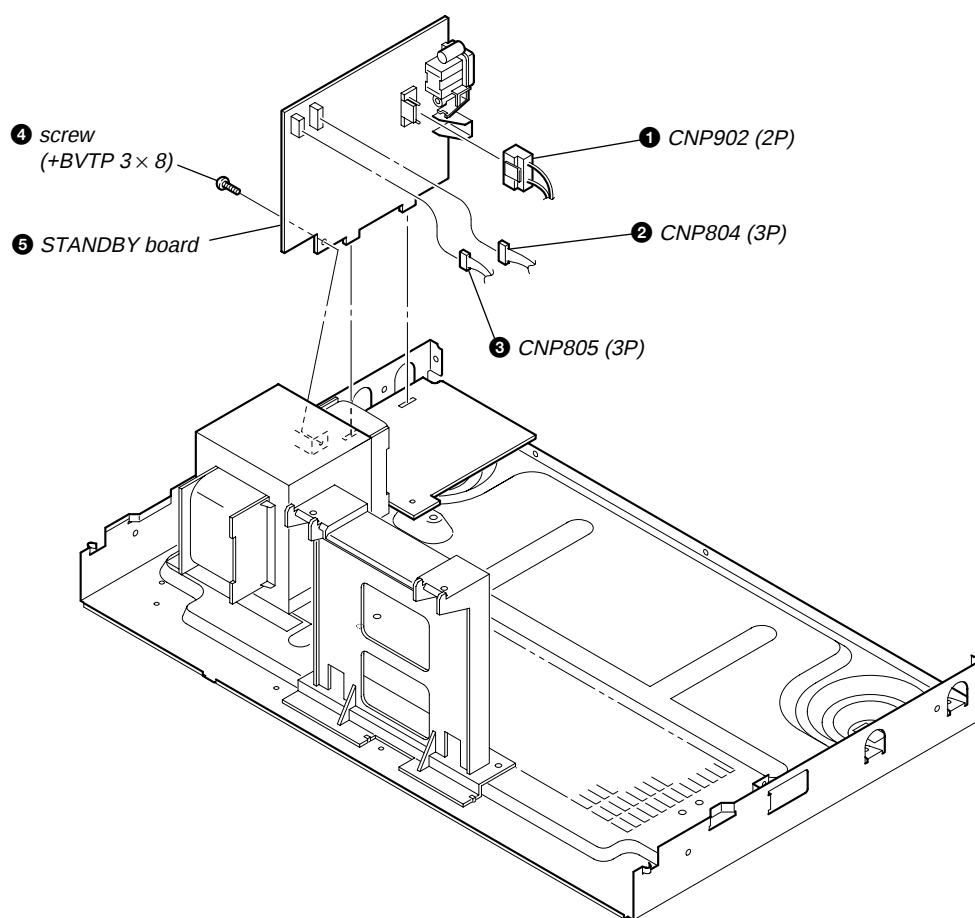
2-4. DIGITAL BOARD



2-5. MAIN BOARD SECTION



2-6. STANDBY BOARD



SECTION 3 TEST MODE

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

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

* Procedure:

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

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

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

VACUUM FLUORESCENT DISPLAY TEST MODE

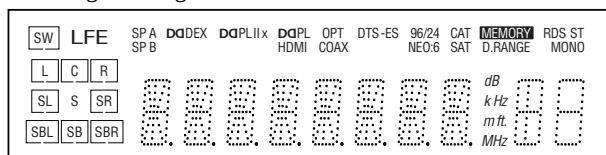
* All fluorescent segments are tested.

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

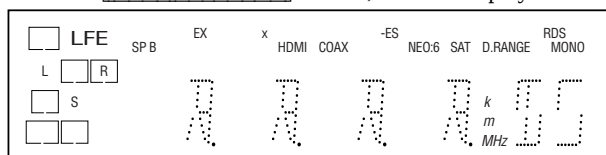
* Procedure:

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

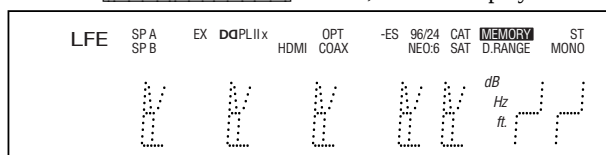
1. ALL segments light on.



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



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



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

SOUND FIELD CLEAR MODE

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

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

* Procedure:

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

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

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.

* Procedure:

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

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

KEY CHECK MODE

* Button check

* Procedure:

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

Either the message “REST 15” appears.

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

SWAP ALL MODE

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

* Procedure:

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

SHIPMENT MODE

All preset contents are reset to the default setting.

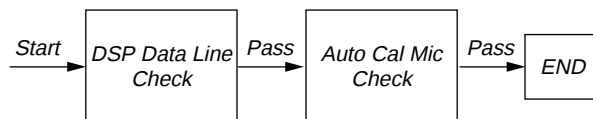
* Procedure:

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

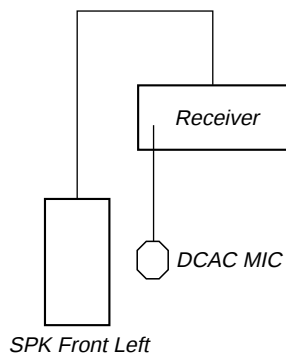
DCAC FACTORY TEST MODE

DCAC Factory Test mode have two stages:

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



Factory Test System Setup



1. When power off:
Press the three buttons **[MEMORY/ENTER]** + **[MOVIE]** + **[I/⏻]**.
“DCAC FTM” appears.
Afterward, press the **[TUNING MODE]** to start DCAC factory test mode.

SECTION 4

FM TUNER CHECK

1. DCAC DSP Data Line Checking

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

“DCAC□□□x” x=1, 2, 3

If there is error happen, below display will show:

“ERR□SD0x” x=1 → D1501 or R1530 problem
 x=2 → D1502 problem
 x=3 → D1503 problem

2. DCAC board Checking

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

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

FM AUTO STOP CHECK

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

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

Deviation : 75 kHz

Modulation : 1 kHz

ANT input : 35 dBu (EMF)

(Note)

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

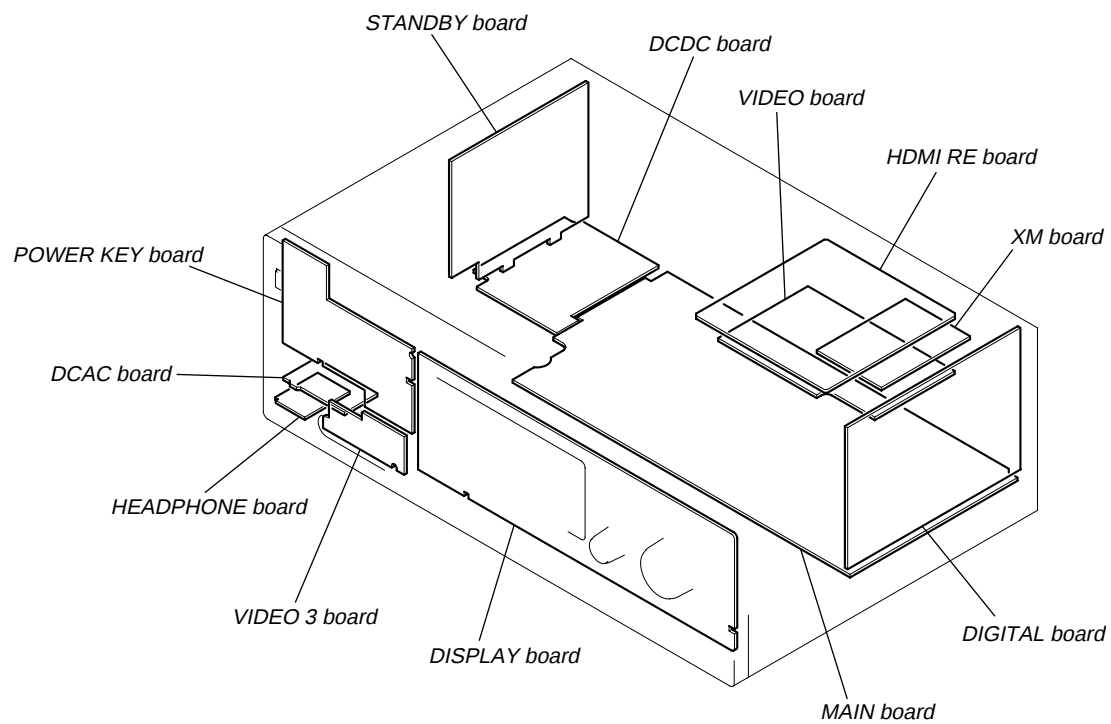
Please use SG whose output impedance is 75 ohm.

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

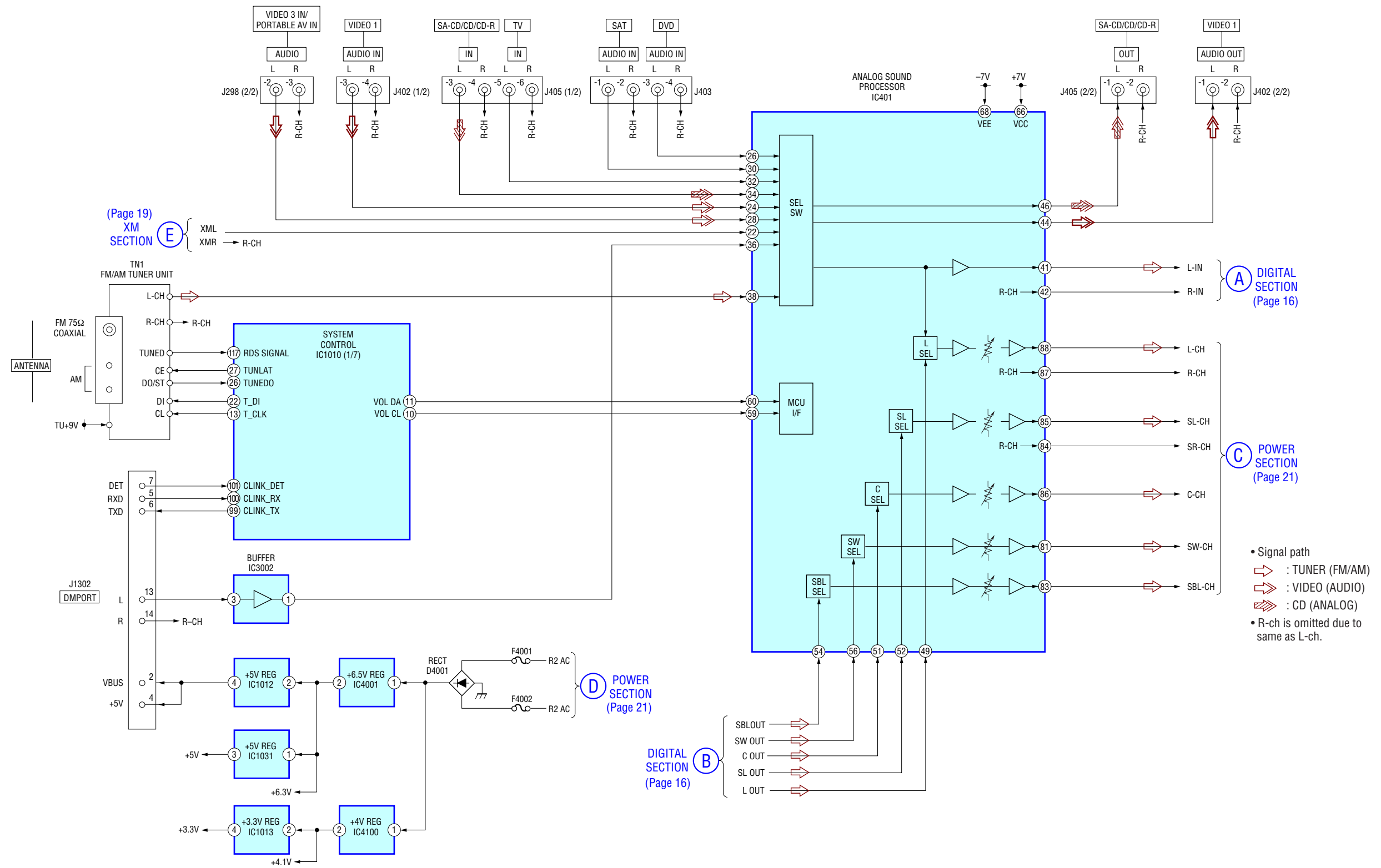
The stop of automatic scanning means “The station signal is received in good condition.”

SECTION 5 DIAGRAMS

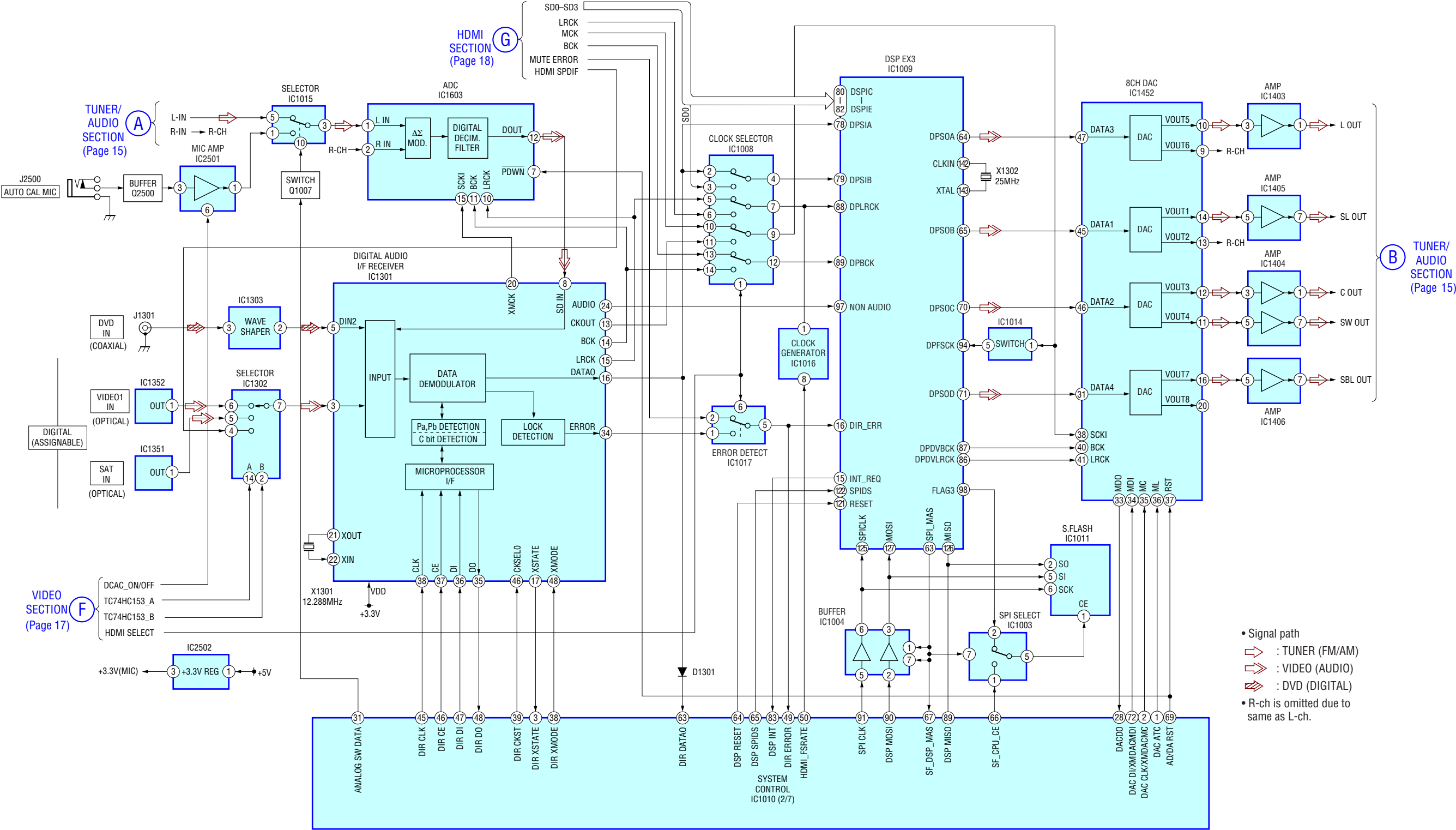
• Circuit Boards Location



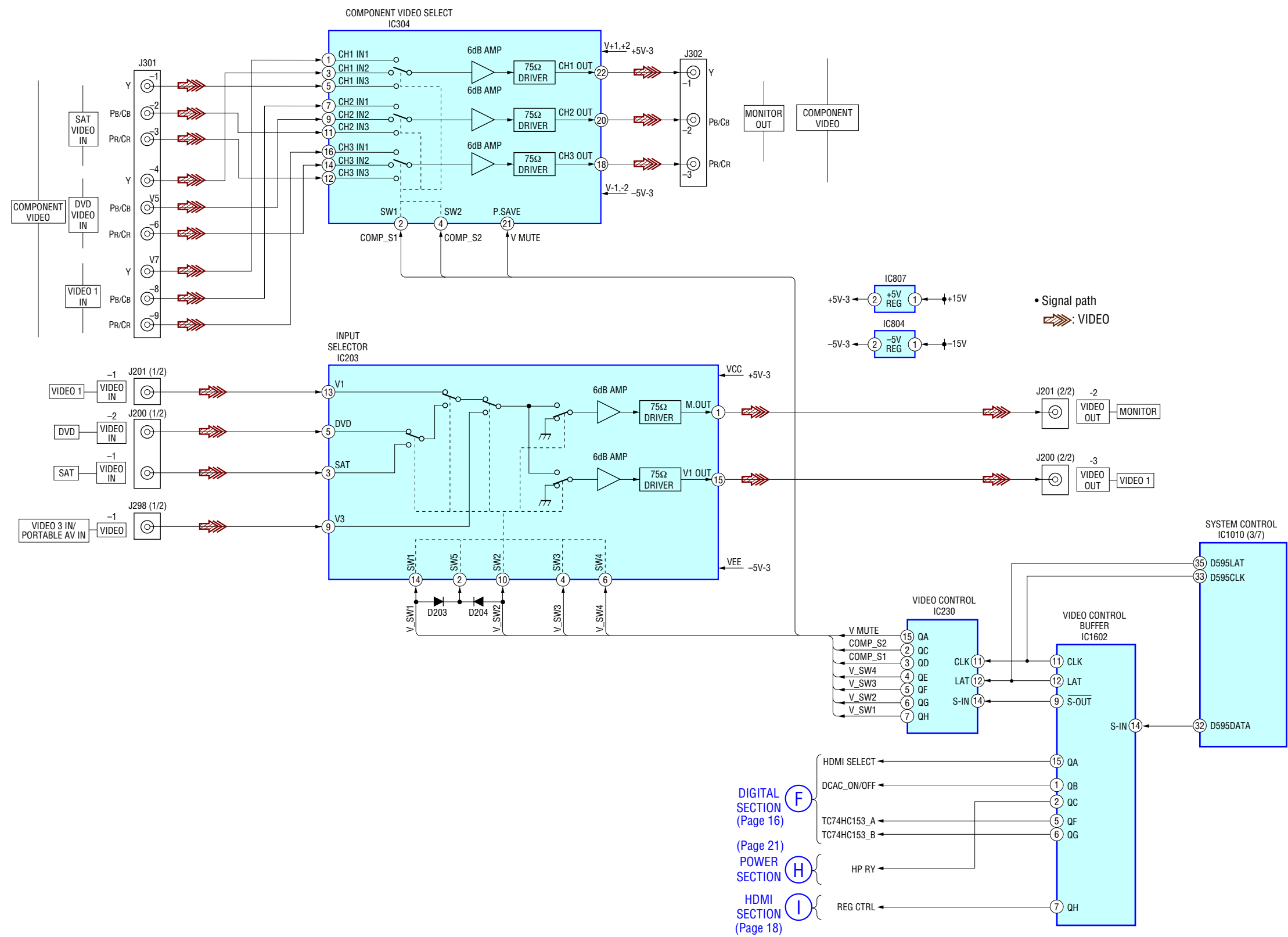
5-1. BLOCK DIAGRAM — TUNER/AUDIO SECTION —



5-2. BLOCK DIAGRAM — DIGITAL SECTION —



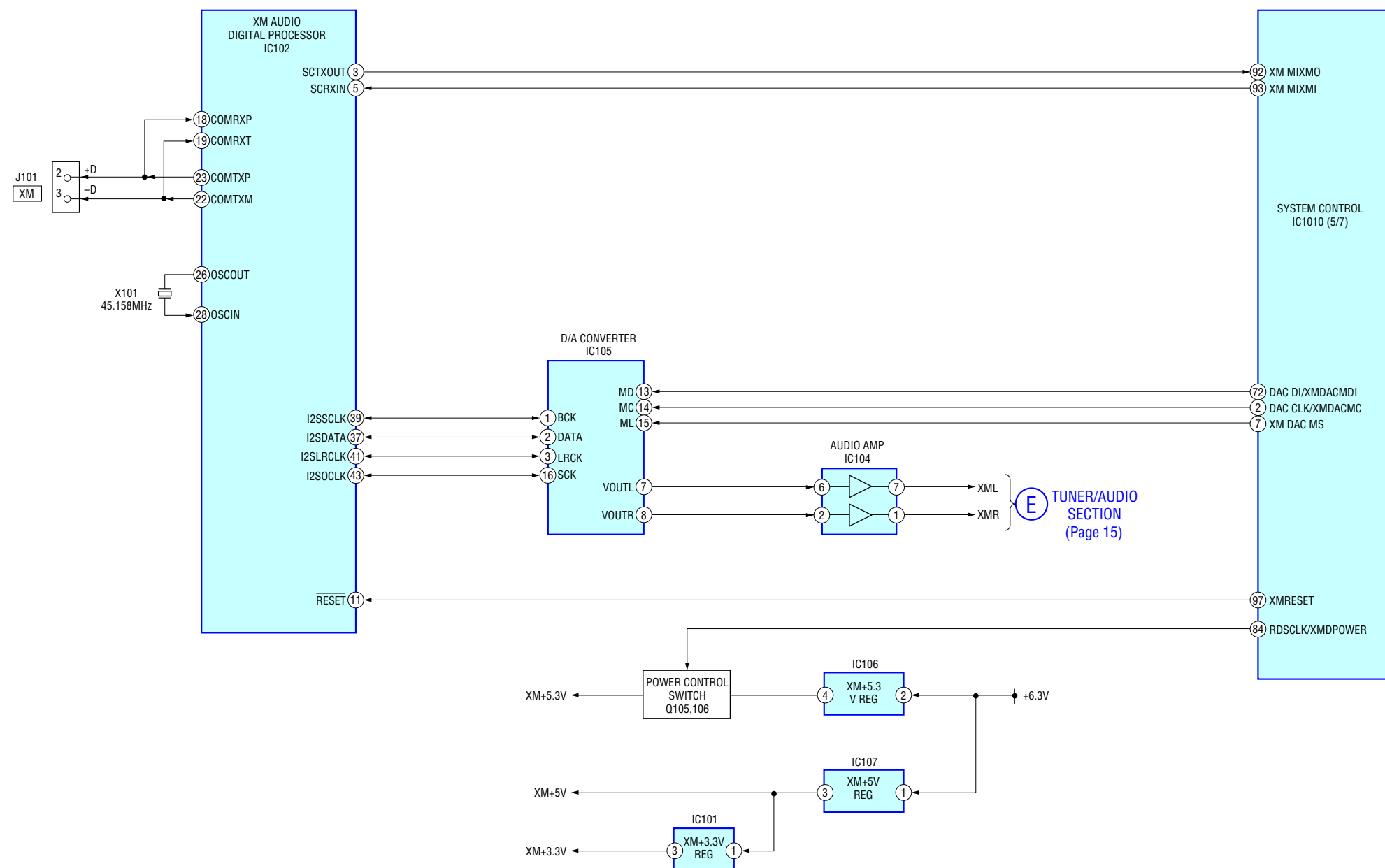
5-3. BLOCK DIAGRAM — VIDEO SECTION —



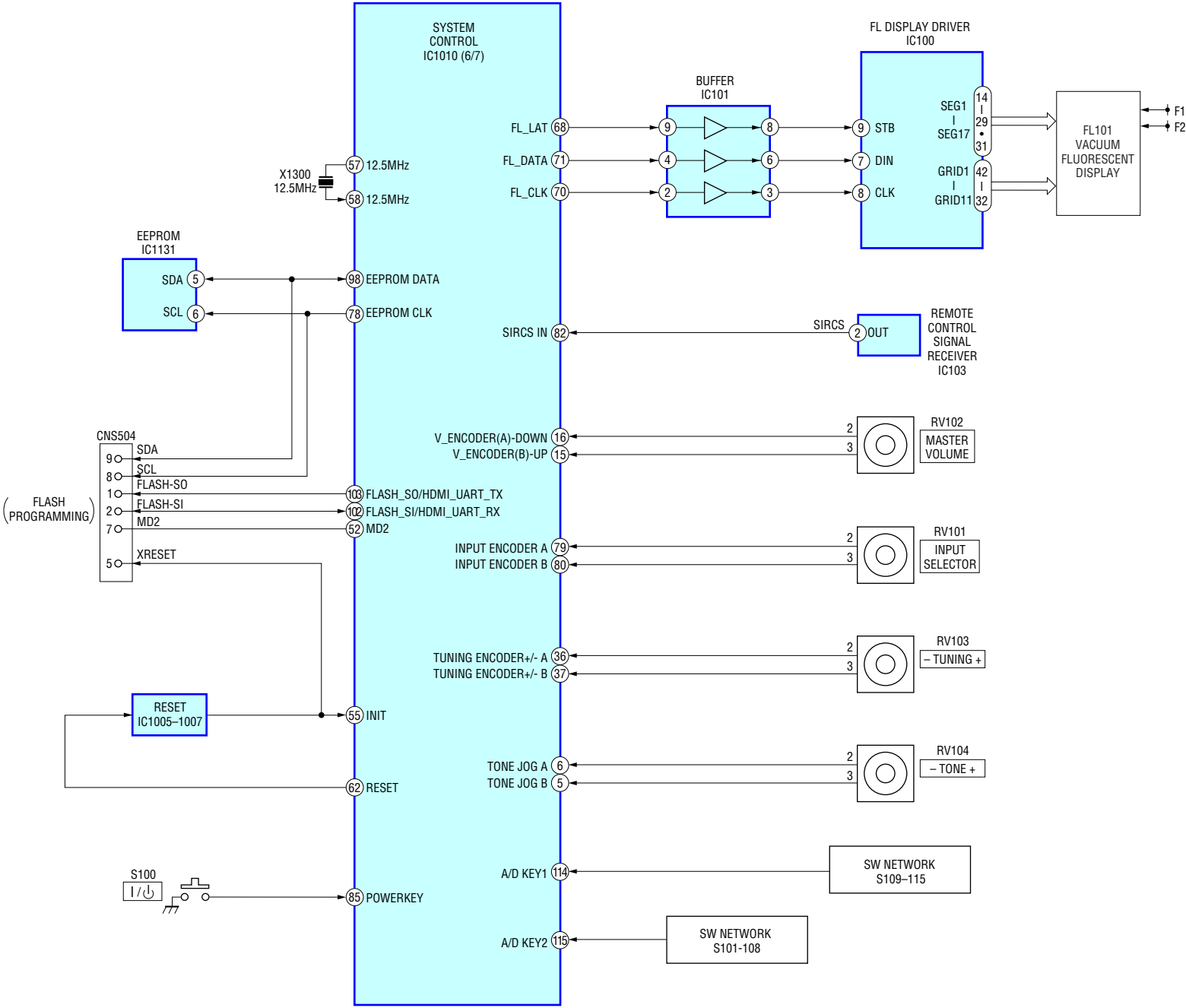
18



5-5. BLOCK DIAGRAM — XM SECTION —



5-6. BLOCK DIAGRAM — KEY/DISPLAY SECTION —



21



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

for schematic diagram:

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

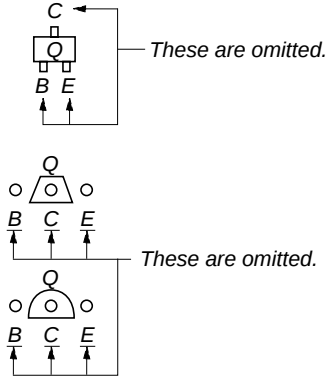
Note: The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

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

for printed wiring boards:

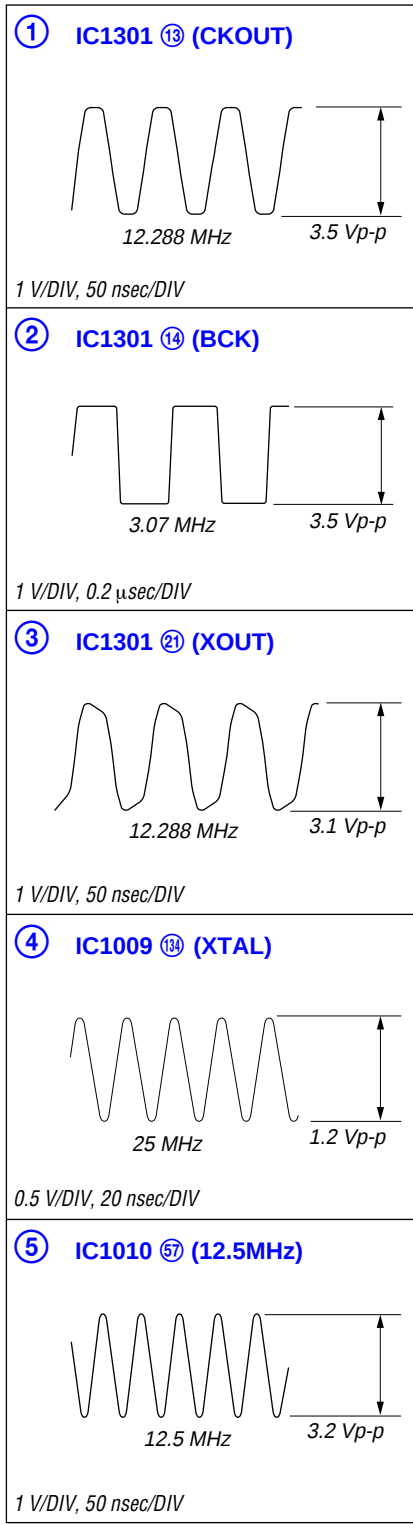
-  : parts extracted from the component side.
- $\triangle$: internal component.
-  : Pattern from the side which enables seeing.

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

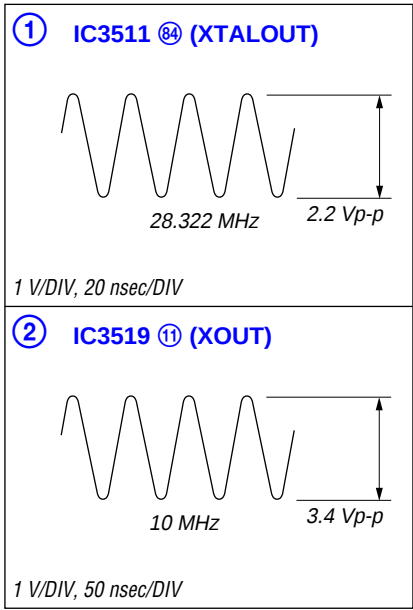


• Waveforms

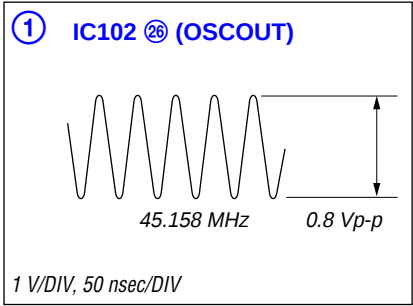
— DIGITAL Board —



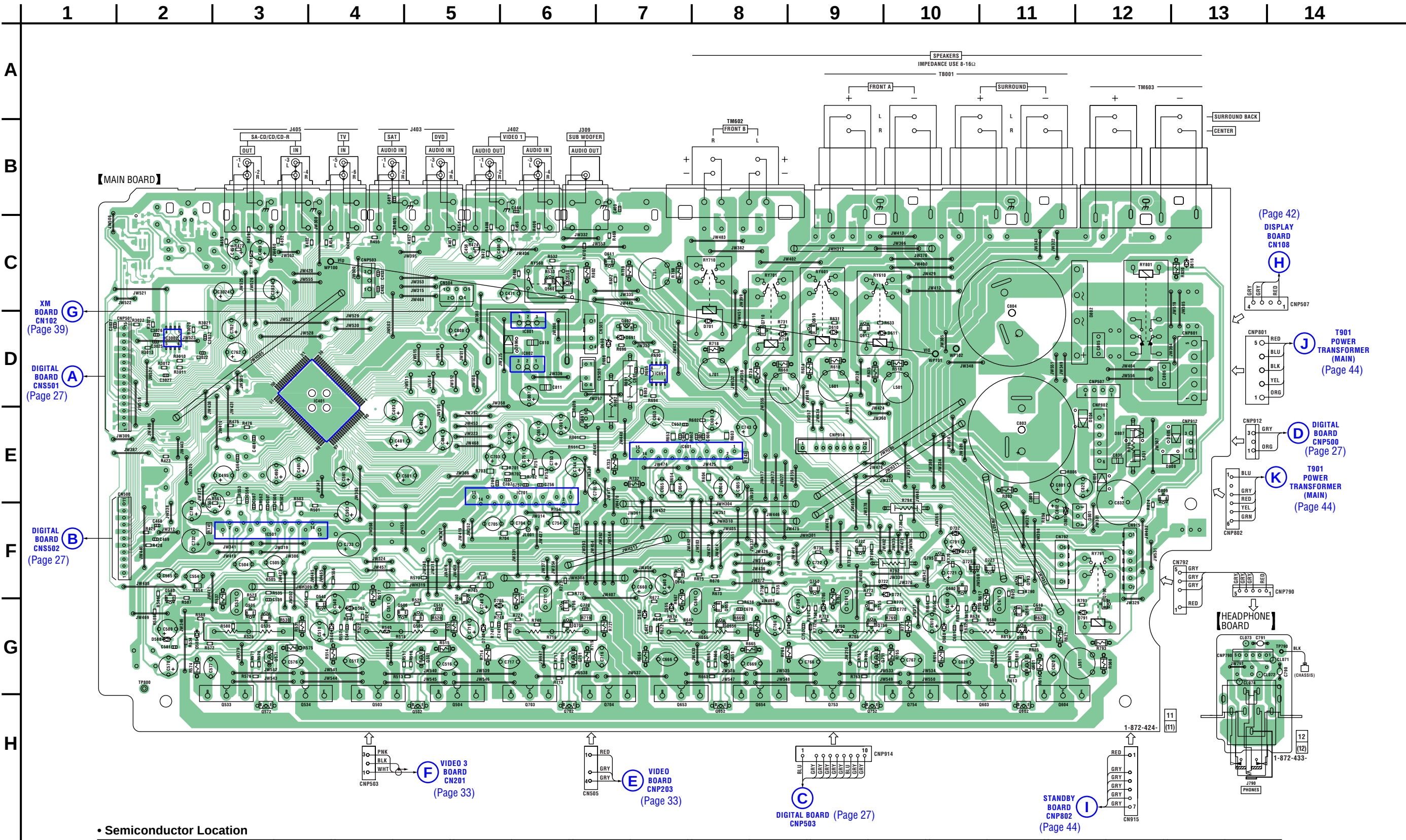
— HDMI RE Board —



— XM Board —



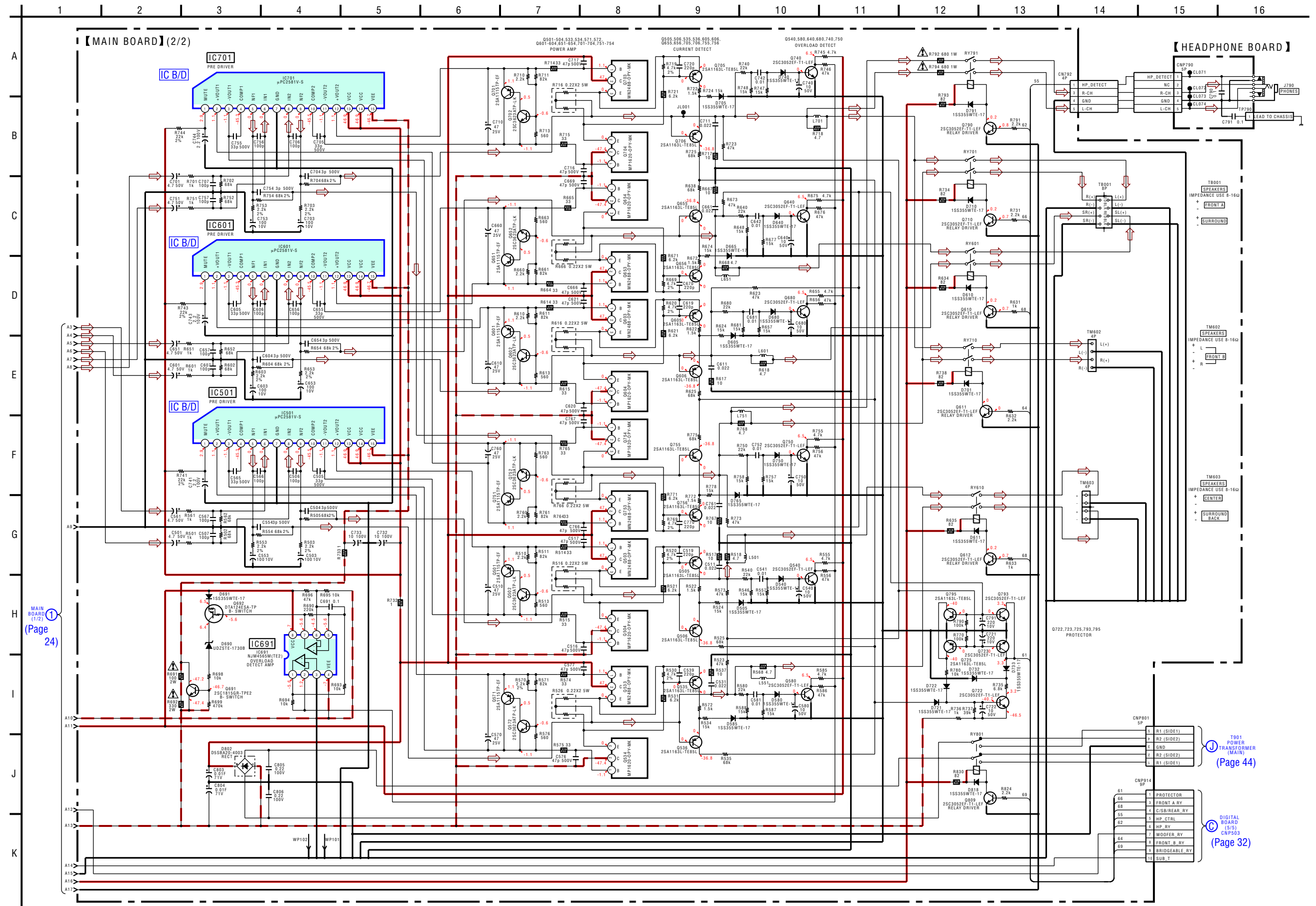
5-8. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



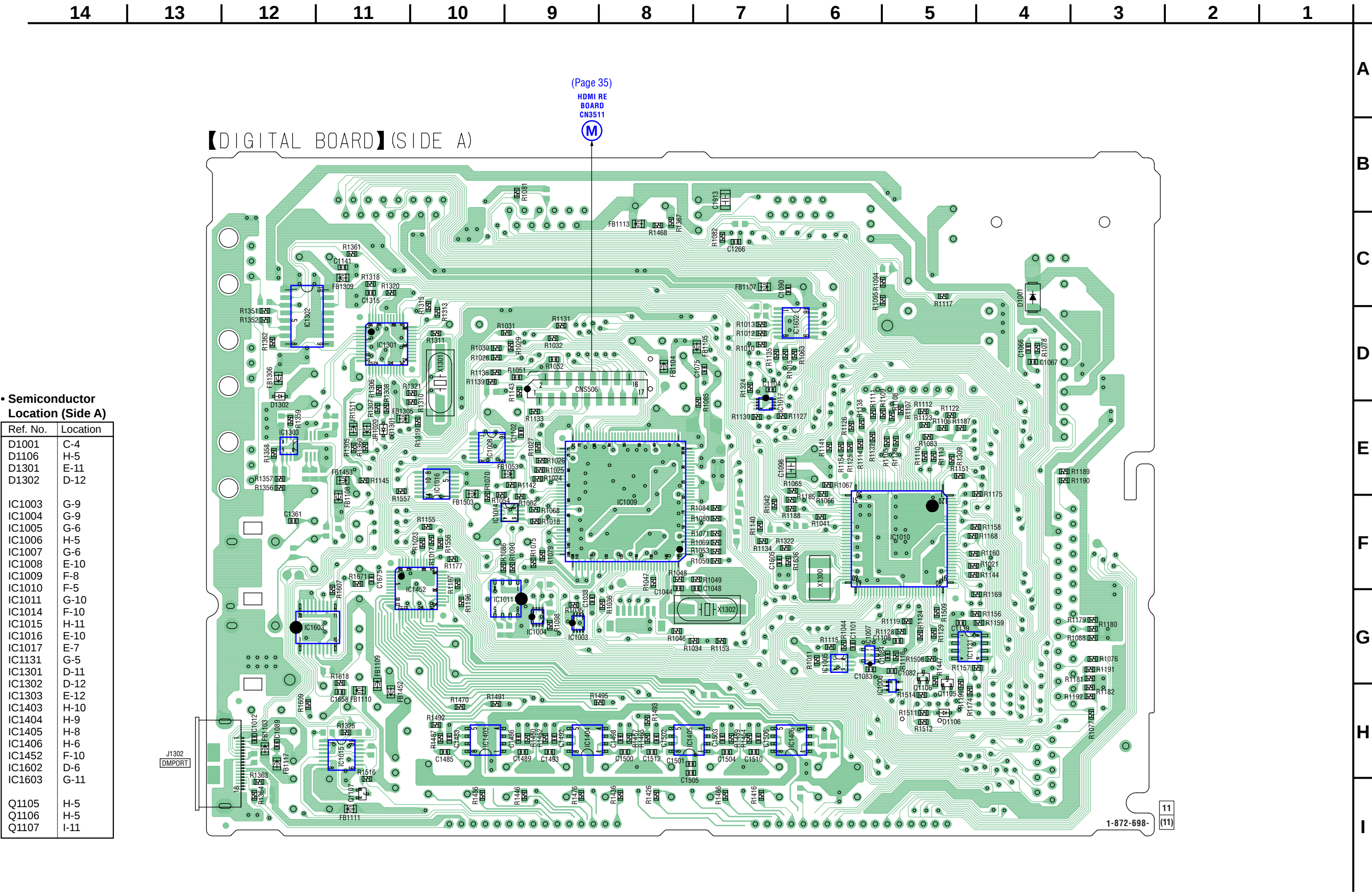
24



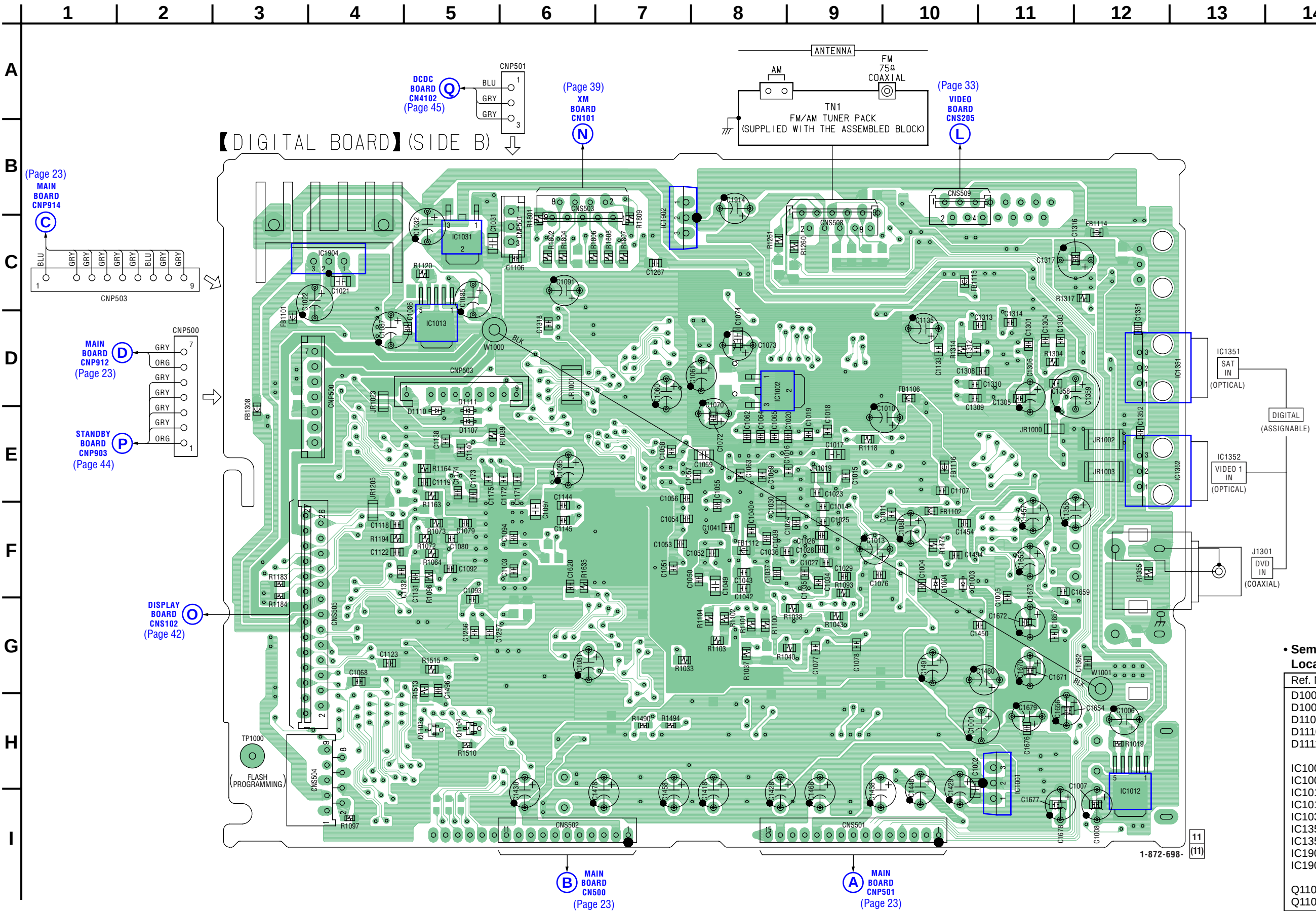
5-10. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 46 for IC Block Diagrams.



5-11. PRINTED WIRING BOARD — DIGITAL SECTION (1/2) — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



5-12. PRINTED WIRING BOARD — DIGITAL SECTION (2/2) — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location (Side B)

Ref. No.	Location
D1003	F-10
D1004	F-10
D1107	E-5
D1110	E-5
D1111	E-5
IC1001	H-11
IC1002	D-8
IC1012	I-12
IC1013	D-5
IC1031	C-5
IC1351	D-13
IC1352	E-13
IC1902	C-7
IC1904	C-4
Q1103	H-5
Q1104	H-5

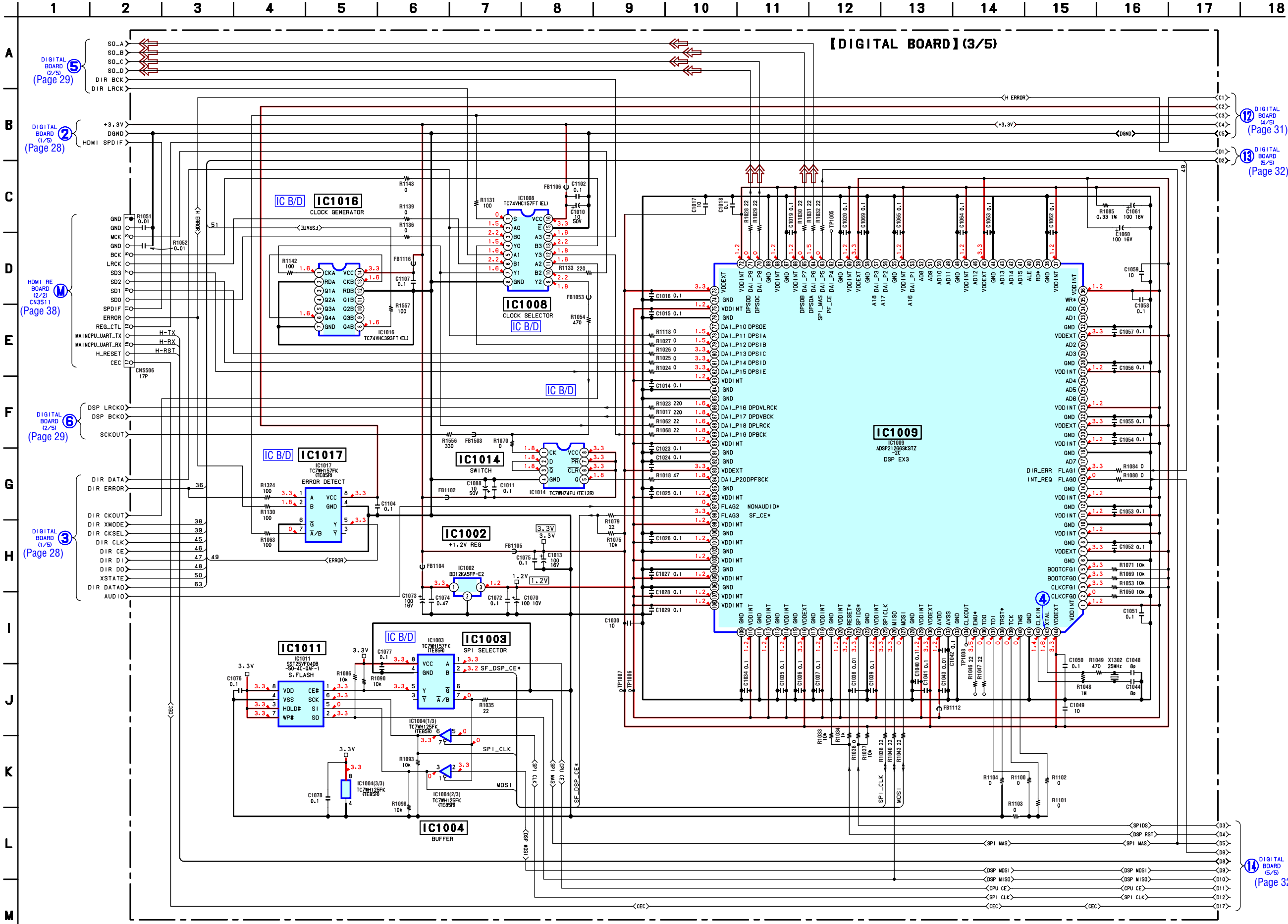
28



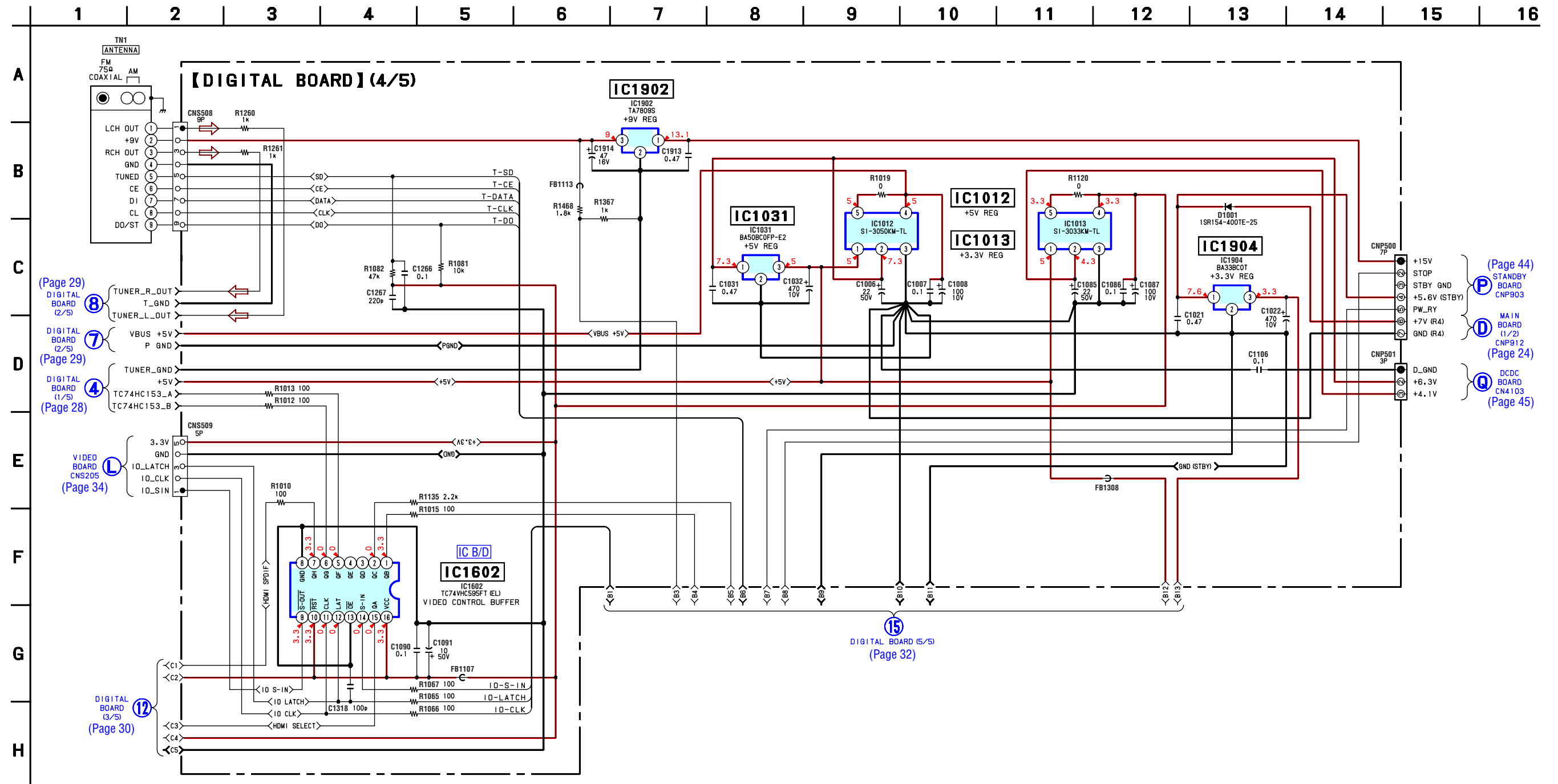
29



5-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/5) — • Refer to page 22 for Waveforms, page 47 for IC Block Diagrams and page 53 IC Pin Descriptions.



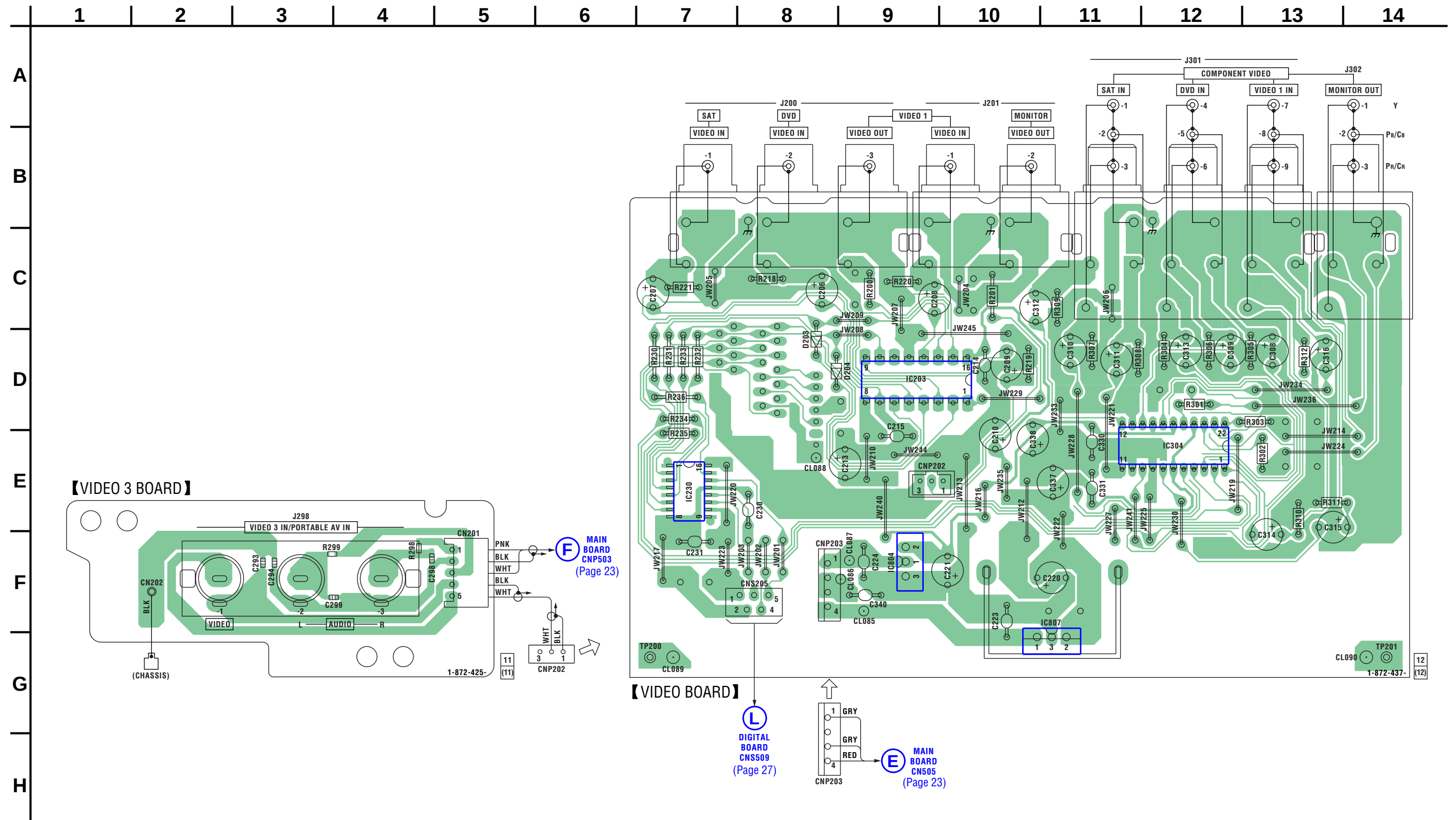
5-16. SCHEMATIC DIAGRAM — DIGITAL SECTION (4/5) — • Refer to page 47 for IC Pin Descriptions.



32



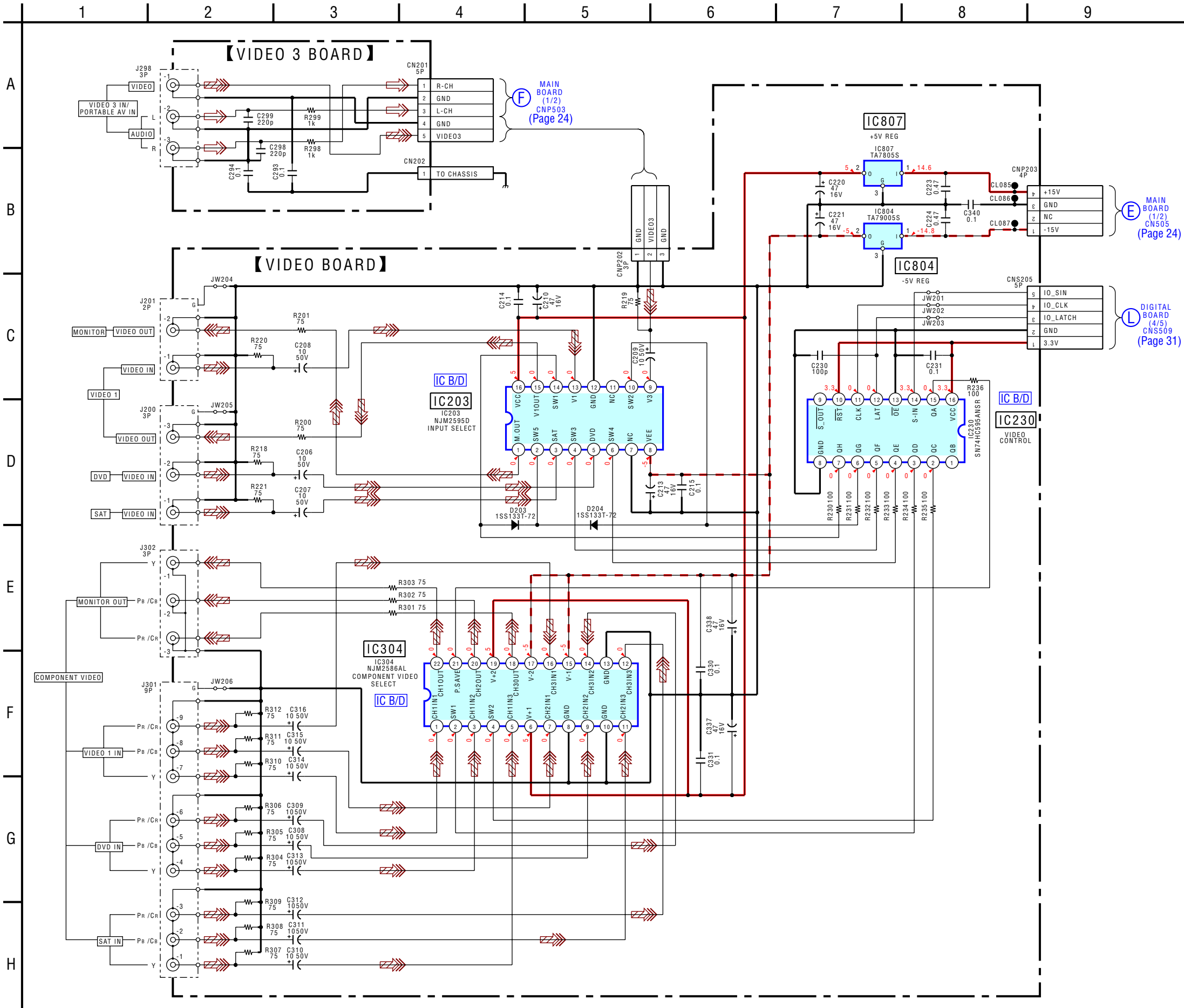
5-18. PRINTED WIRING BOARD — VIDEO SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



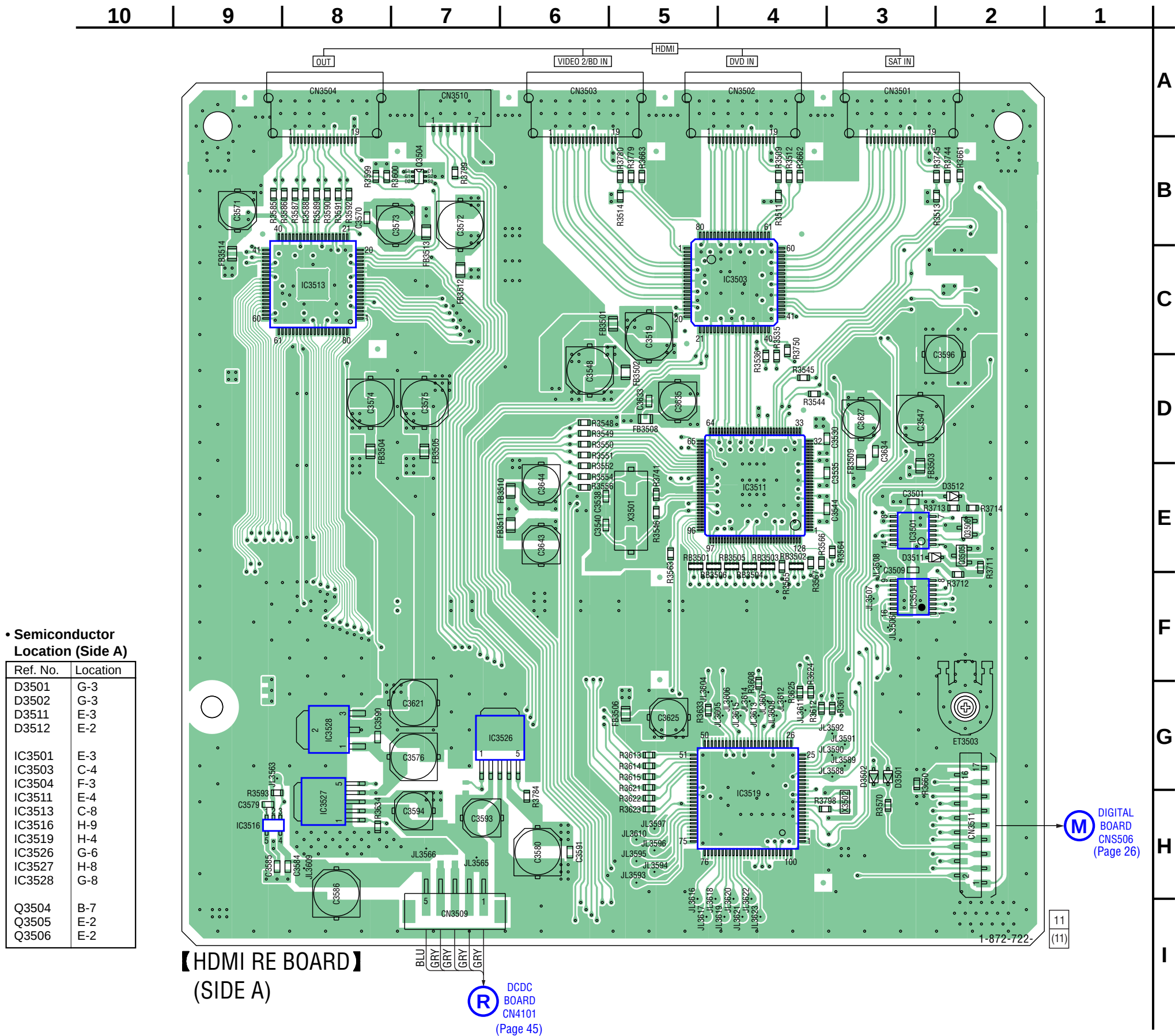
- **Semiconductor Location**

Ref. No.	Location
D203	D-8
D204	D-9
IC203	D-9
IC230	E-7
IC304	E-12
IC804	F-9
IC807	F-11

5-19. SCHEMATIC DIAGRAM — VIDEO SECTION — • Refer to page 48 for IC Block Diagrams.

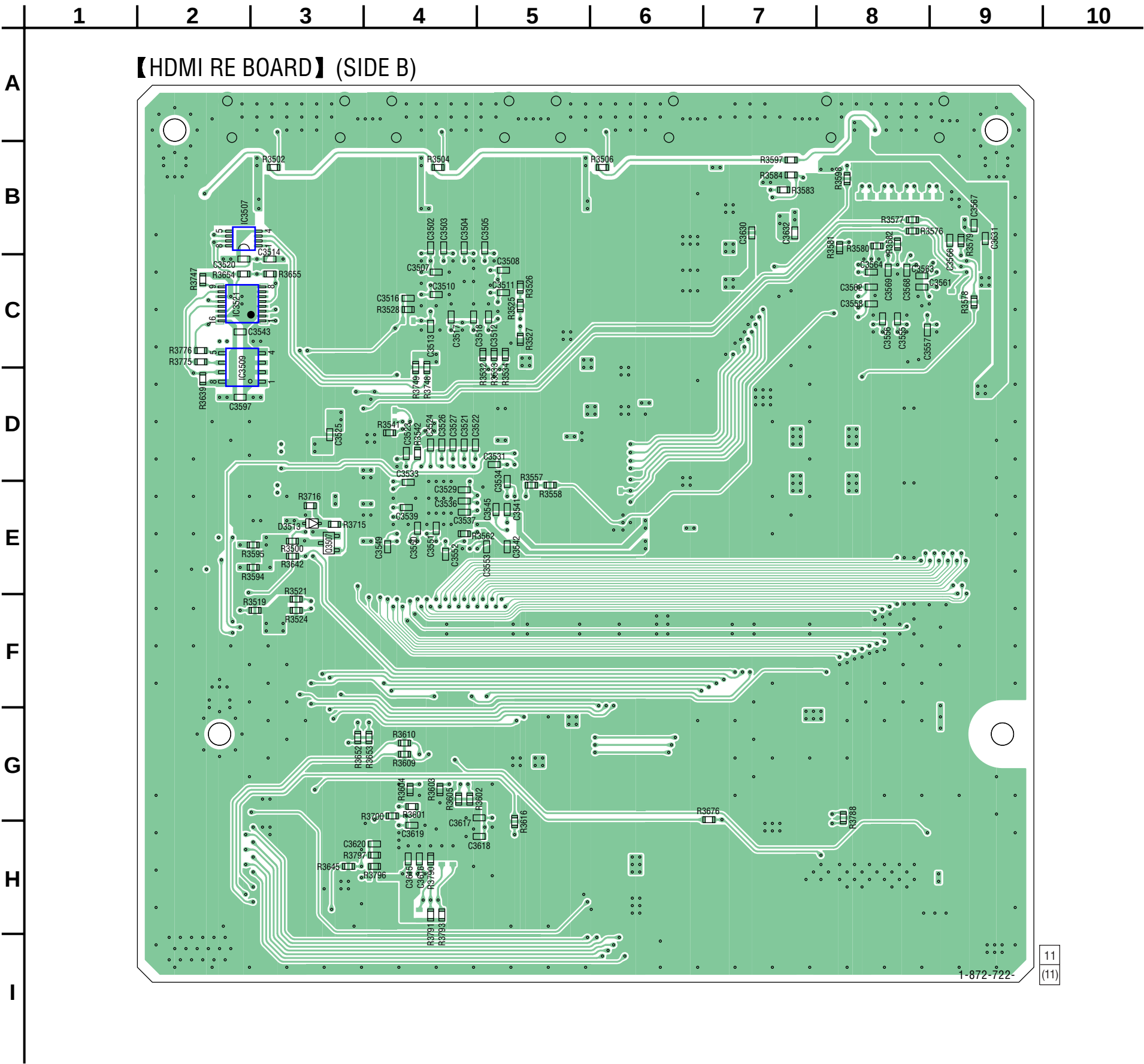


5-20. PRINTED WIRING BOARD — HDMI RE SECTION (1/2) — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



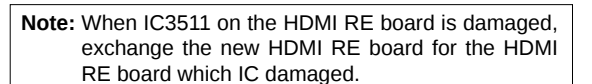
Note: When IC3511 and IC3513 on the HDMI RE board are damaged, exchange the new HDMI RE board for the HDMI RE board which IC damaged.

5-21. PRINTED WIRING BOARD — HDMI RE SECTION (2/2) — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

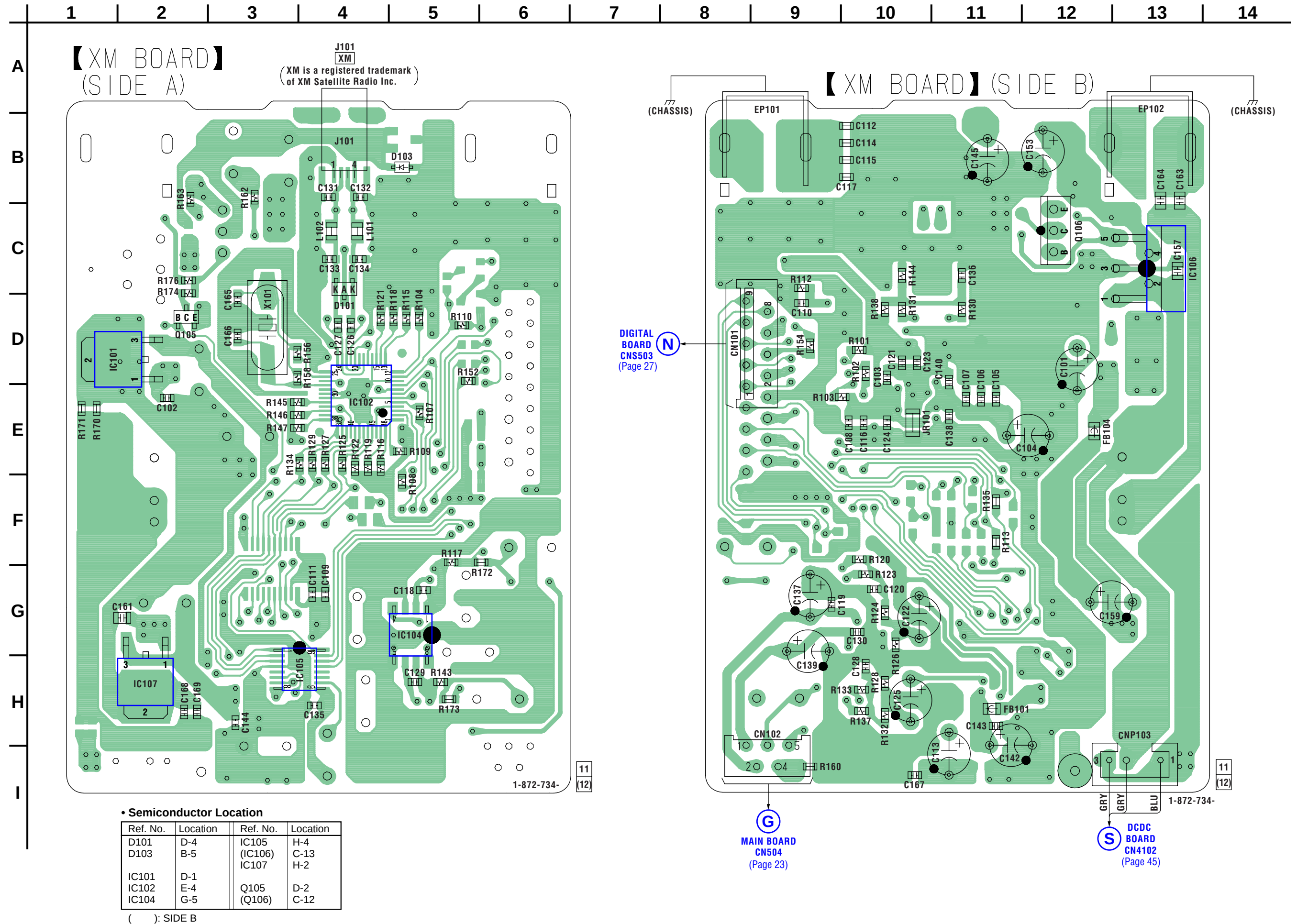


• Semiconductor Location (Side B)	
Ref. No.	Location
D3513	E-3
IC3507	B-2
IC3509	C-2
IC3521	C-2
Q3507	E-3

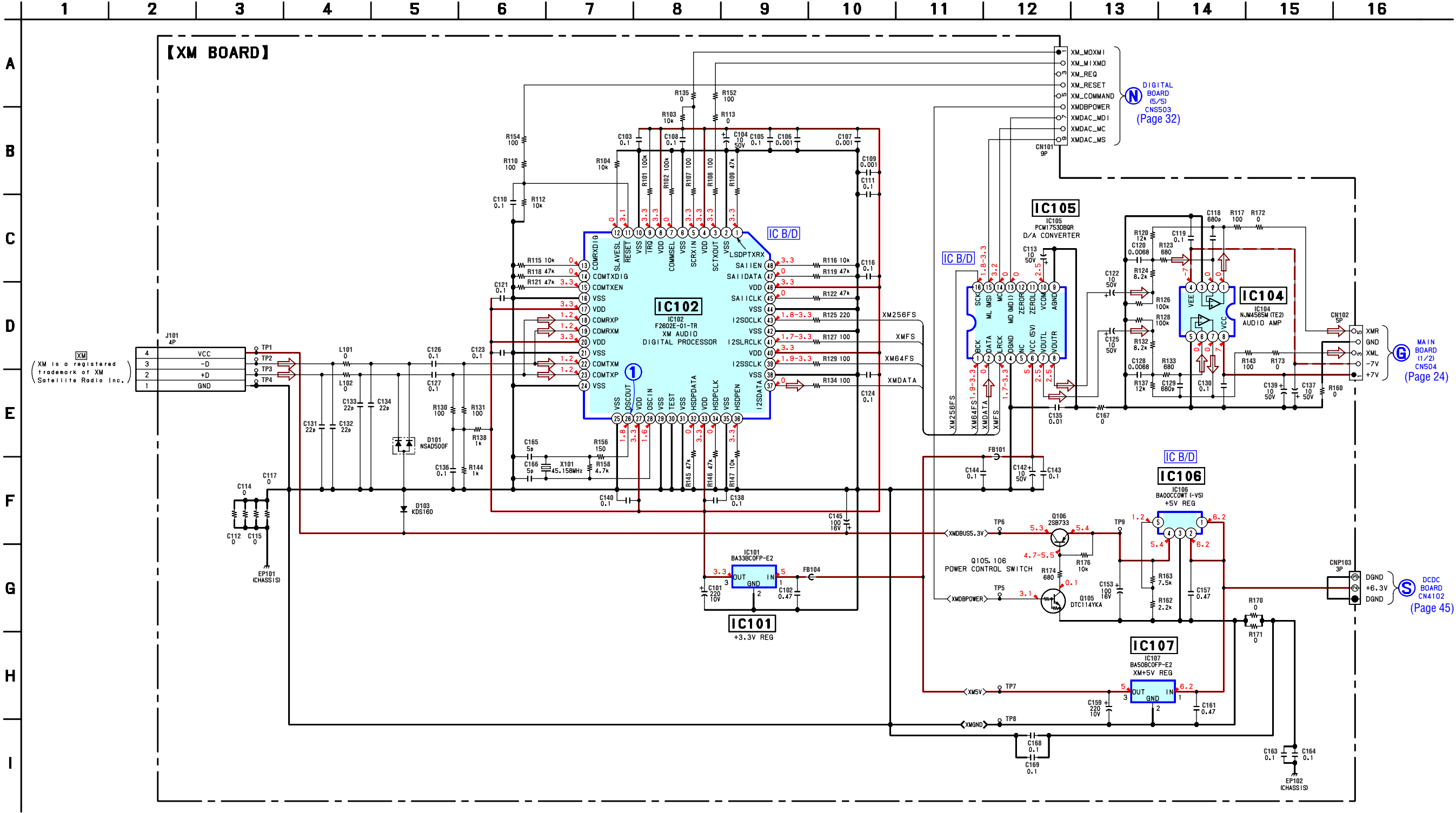
37



5-24. PRINTED WIRING BOARD — XM SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.

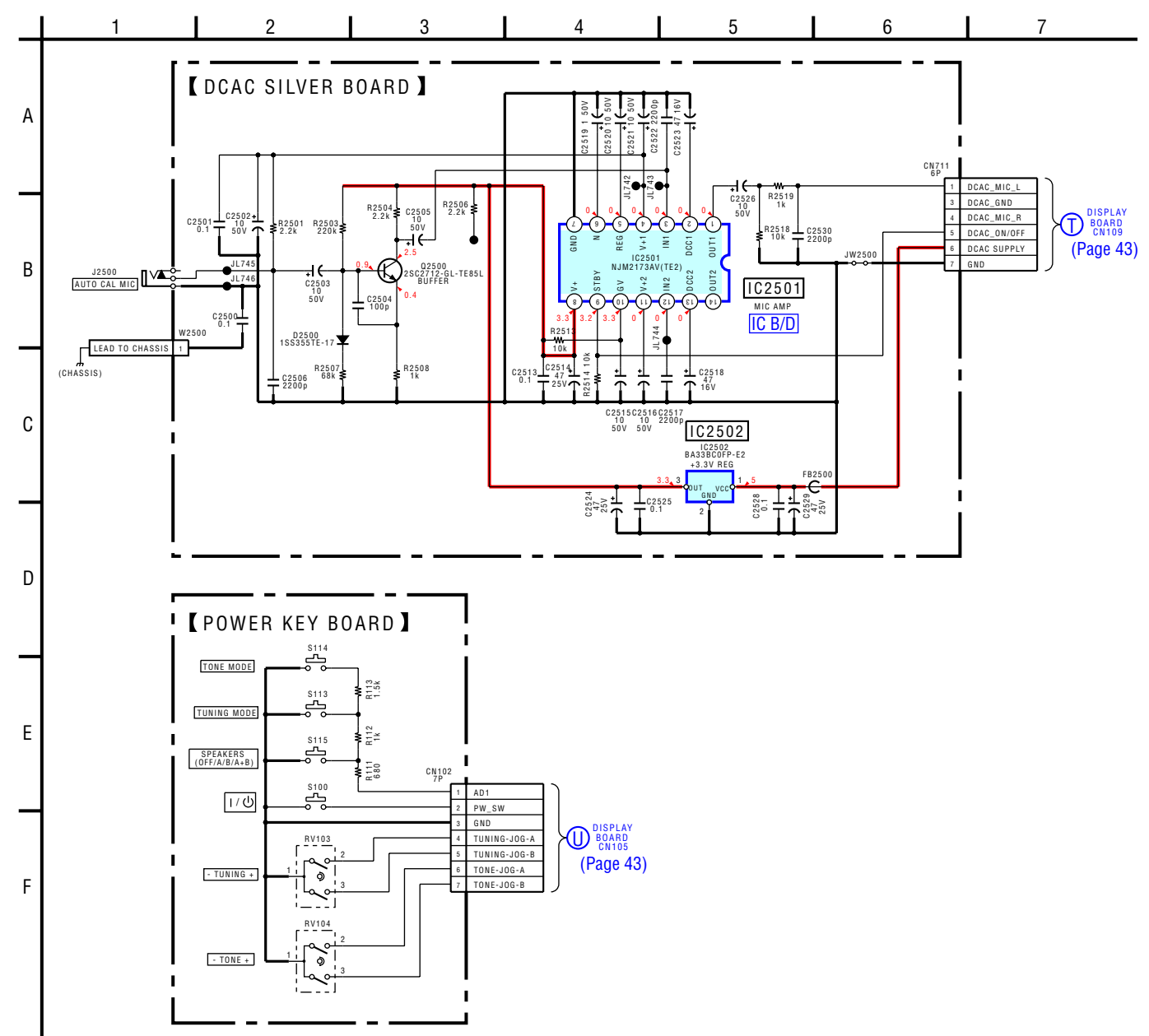


5-25. SCHEMATIC DIAGRAM — XM SECTION — • Refer to page 50 for IC Block Diagrams.

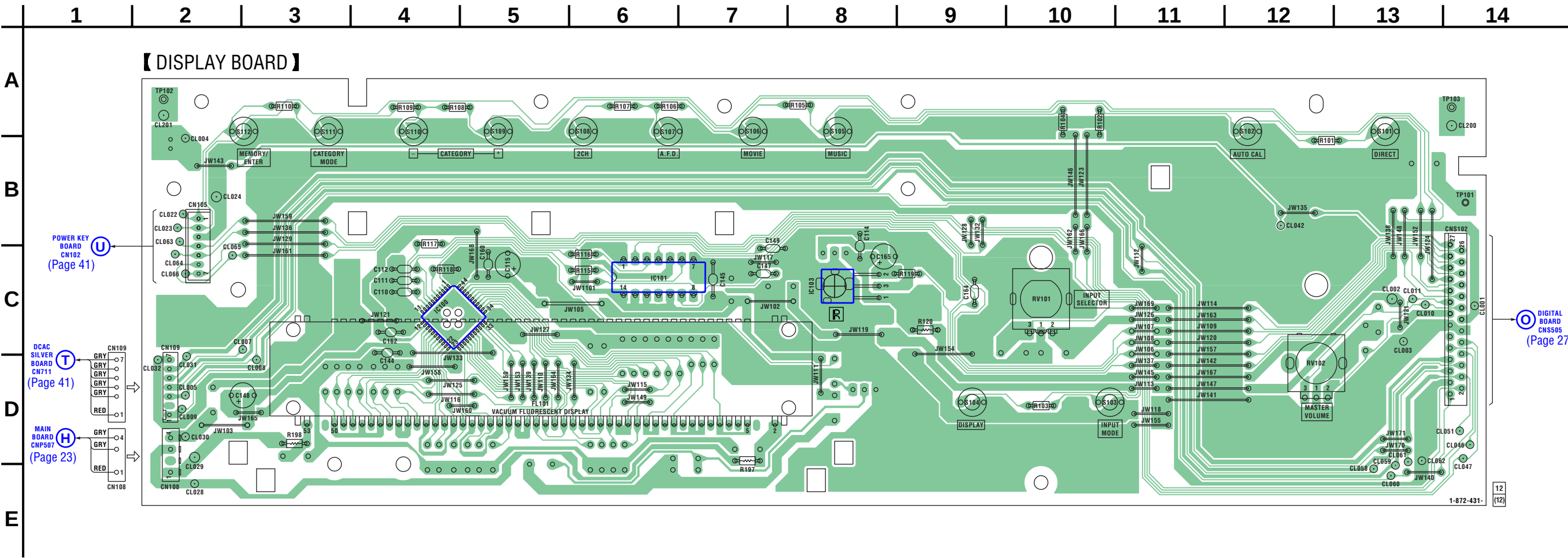


- Refer to page 51 for IC Block Diagrams.

- Refer to page 51 for IC Block Diagrams.



5-28. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

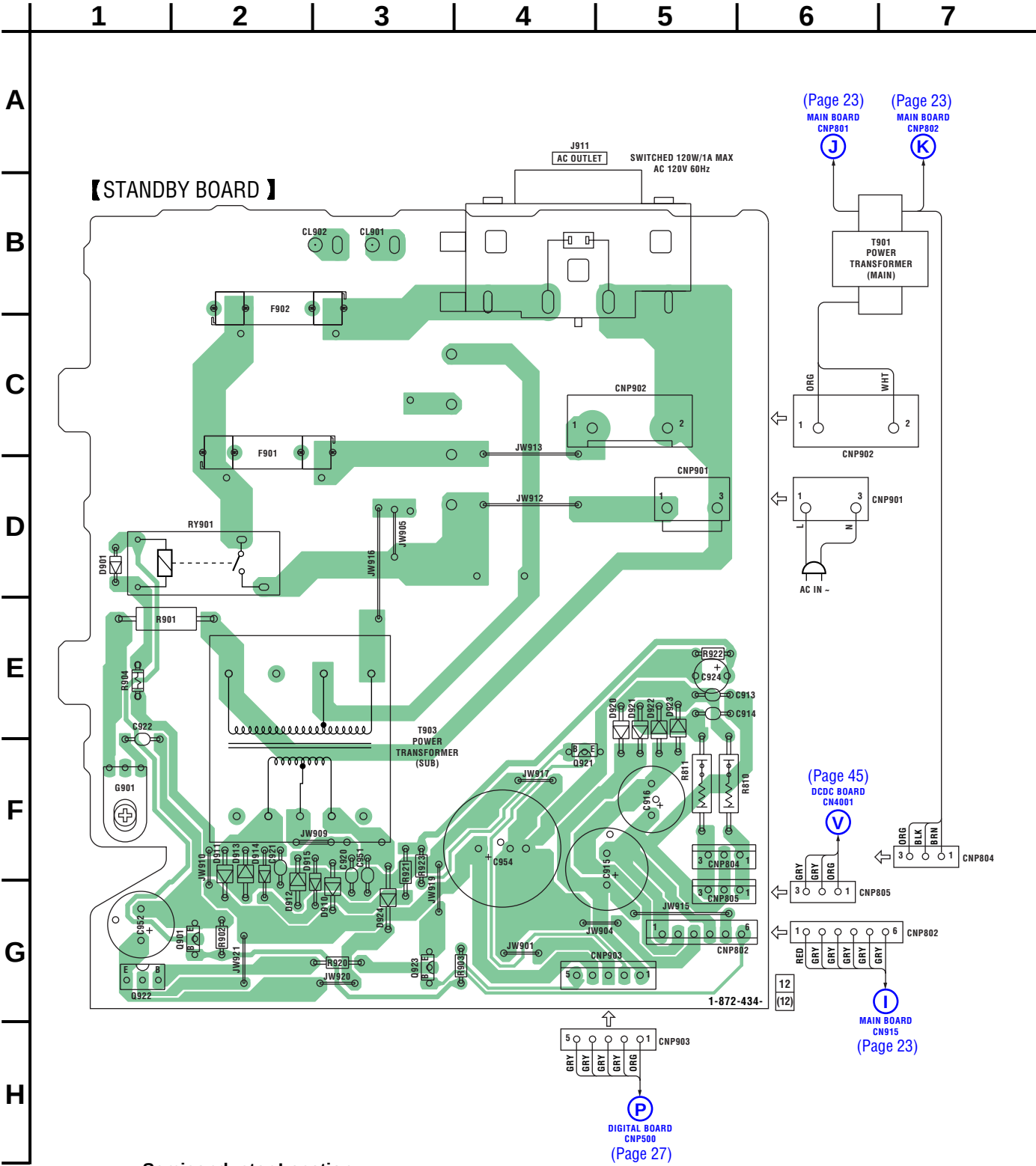


43



5-30. PRINTED WIRING BOARD — POWER SECTION —

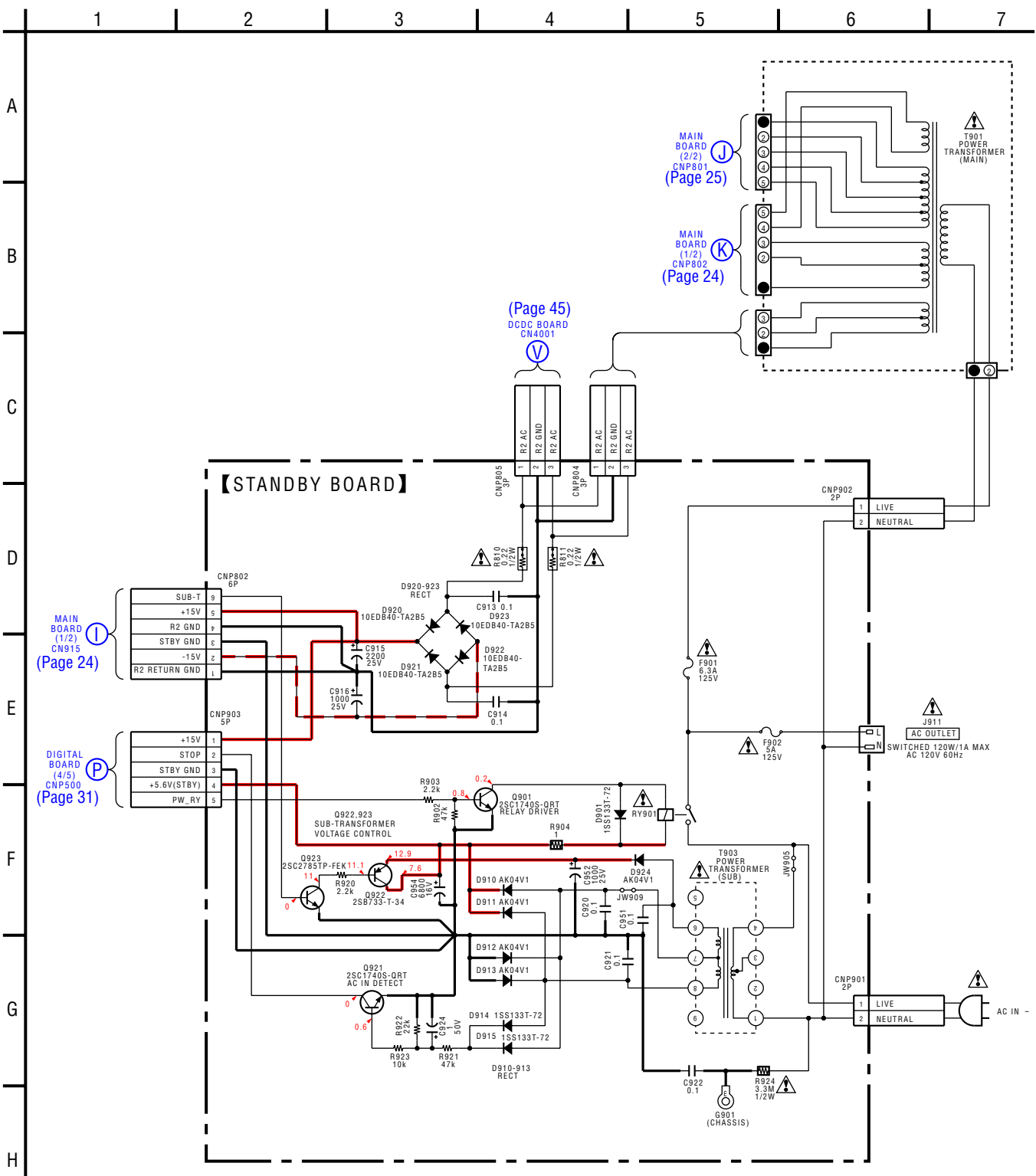
• Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

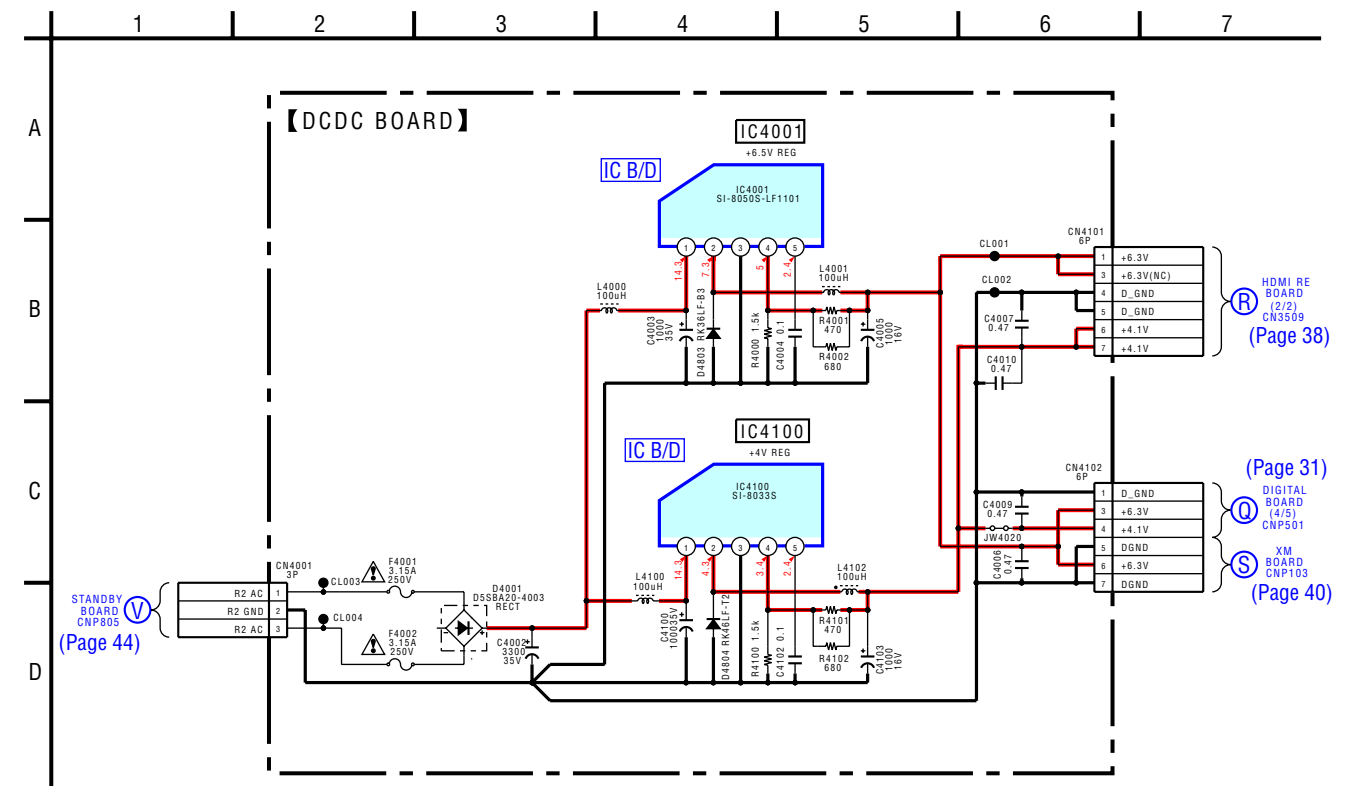
Ref. No.	Location	Ref. No.	Location
D901	D-1	D922	E-5
D910	G-3	D923	E-5
D911	F-2	D924	G-3
D912	G-2		
D913	F-2	Q901	G-2
D914	F-2	Q921	F-4
D915	G-3	Q922	G-1
D920	E-5	Q923	G-3
D921	E-5		

5-31. SCHEMATIC DIAGRAM — POWER SECTION —



- Refer to page 52 for IC Block Diagrams.

- Refer to page 52 for IC Block Diagrams.

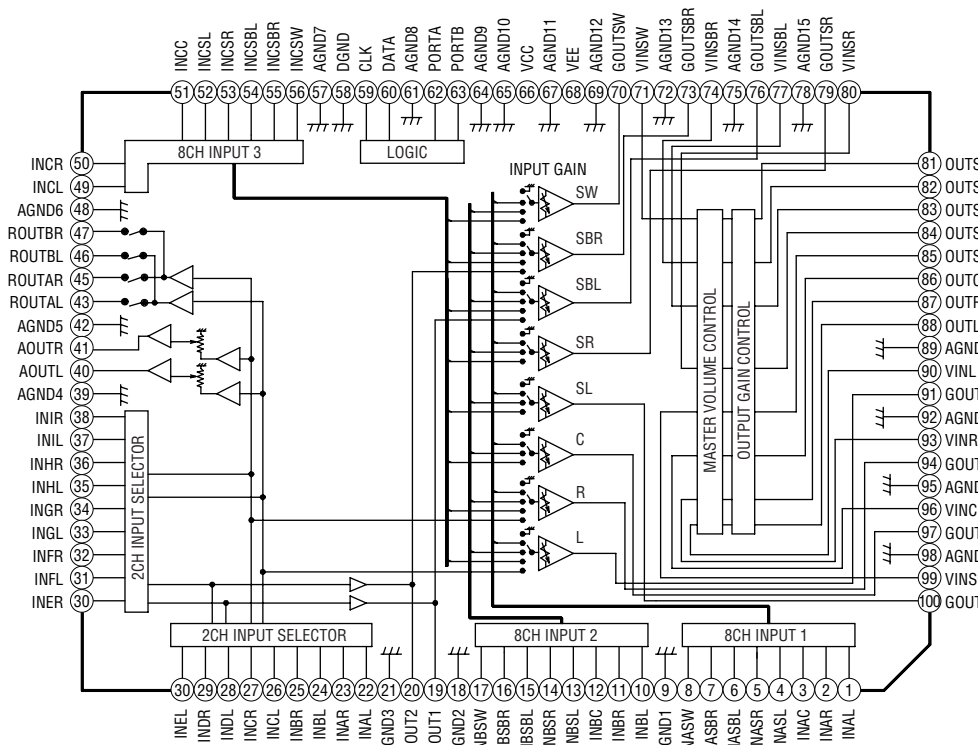


Ref. No.	Location
D4001	A-4
D4803	F-3
D4804	C-4
IC4001	G-3
IC4100	D-4

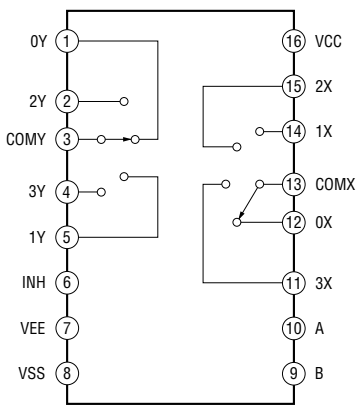
Ref. No.	Location
D4001	A-4
D4803	F-3
D4804	C-4
IC4001	G-3
IC4100	D-4

• IC Block Diagrams

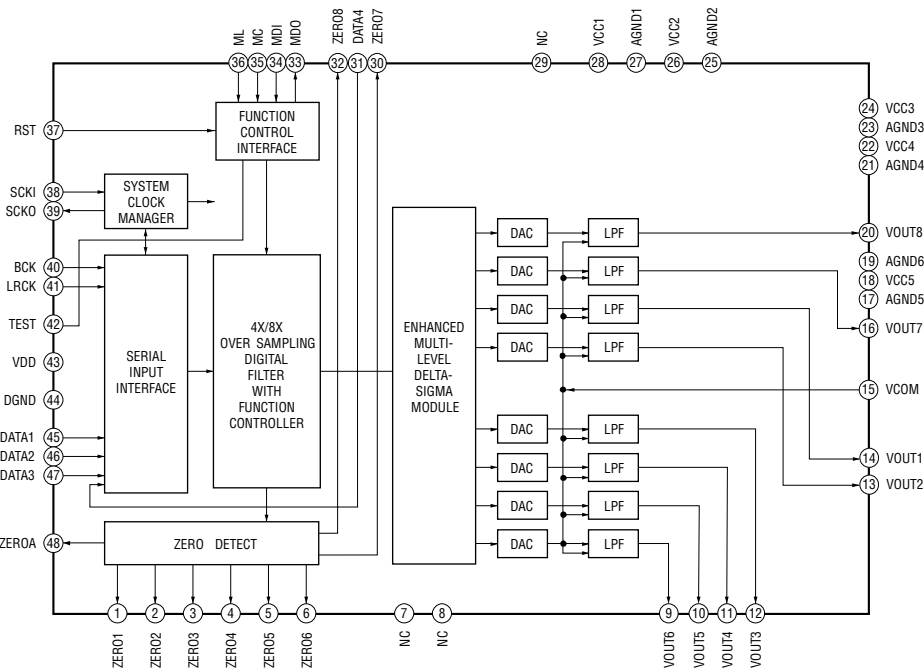
IC401 BD3451KS (MAIN BOARD (1/2))



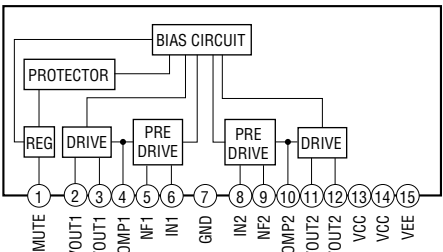
IC1015 TC4052BFT(EL, N)
(DIGITAL BOARD (2/5))



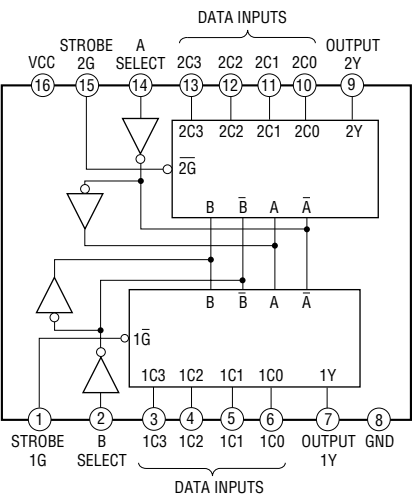
IC1452 PCM1609APT (DIGITAL BOARD (2/5))



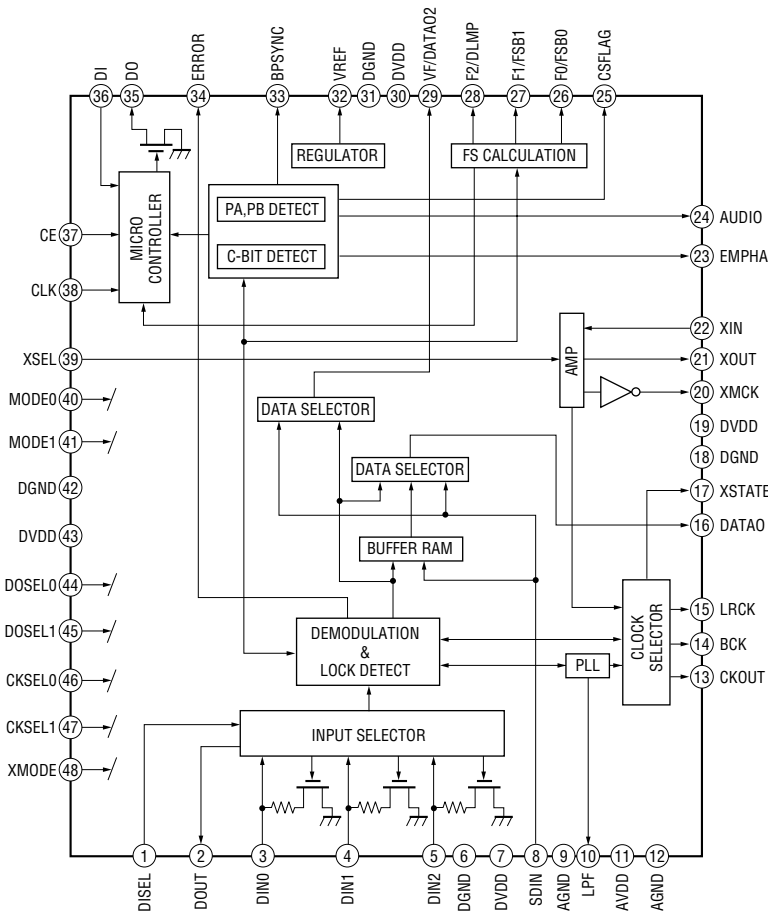
IC501 μPC2581V-S (MAIN BOARD (2/2))
IC601 μPC2581V-S (MAIN BOARD (2/2))
IC701 μPC2581V-S (MAIN BOARD (2/2))



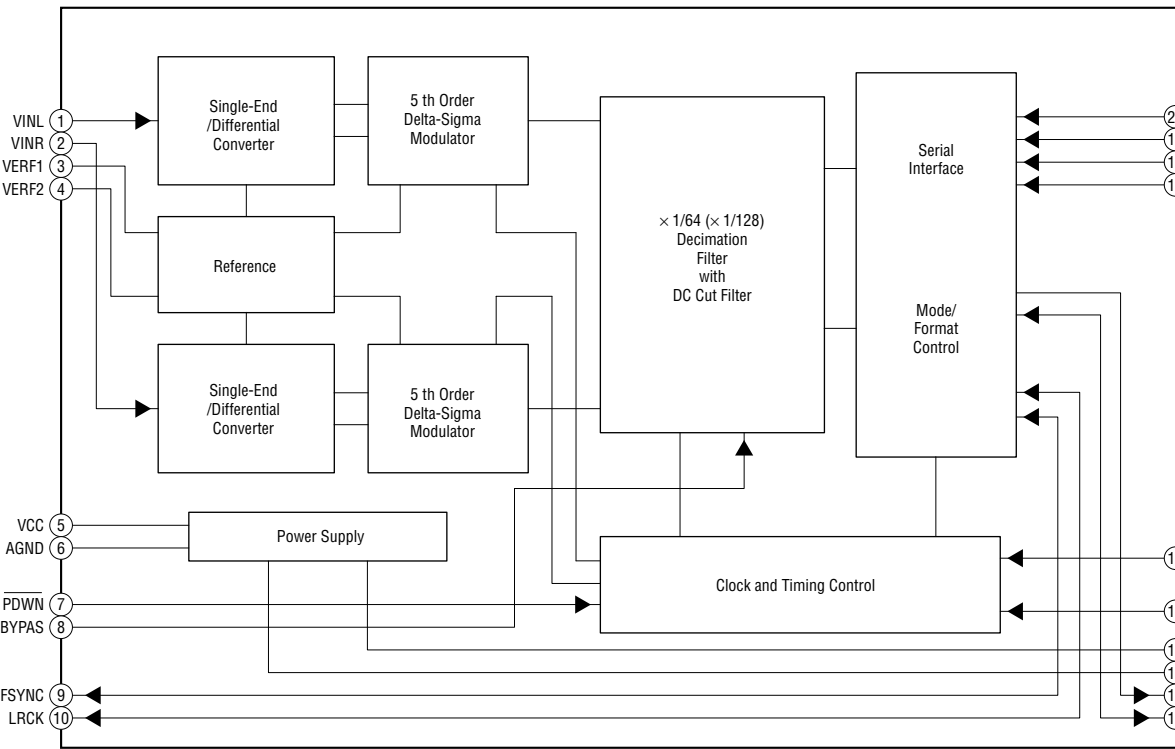
IC1302 TC74ACT153F(EL) (DIGITAL BOARD (1/5))



IC1301 LC890561W (DIGITAL BOARD (1/5))

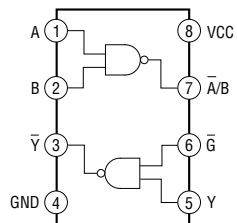


IC1603 PCM1803DBR (DIGITAL BOARD (2/5))

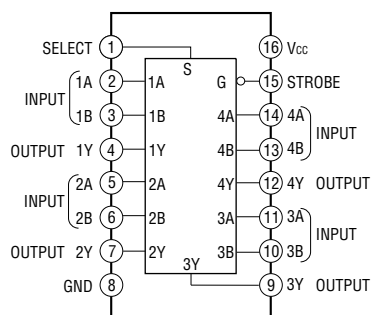


IC1003 TC7WH157FK(TE85R)
(DIGITAL BOARD (3/5))

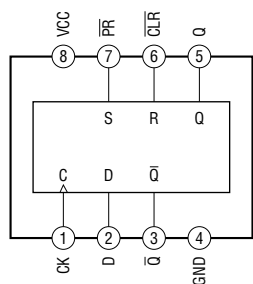
IC1017 TC7WH157FK(TE85R)
(DIGITAL BOARD (3/5))



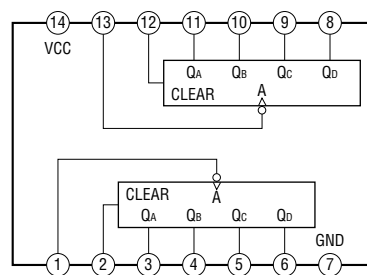
IC1008 TC74VHC157FT(EL) (DIGITAL BOARD (3/5))



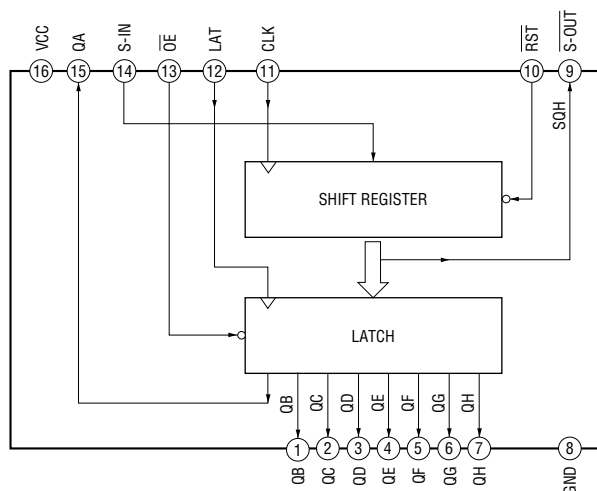
IC1014 TC7WH74FU(TE12R)
(DIGITAL BOARD (3/5))



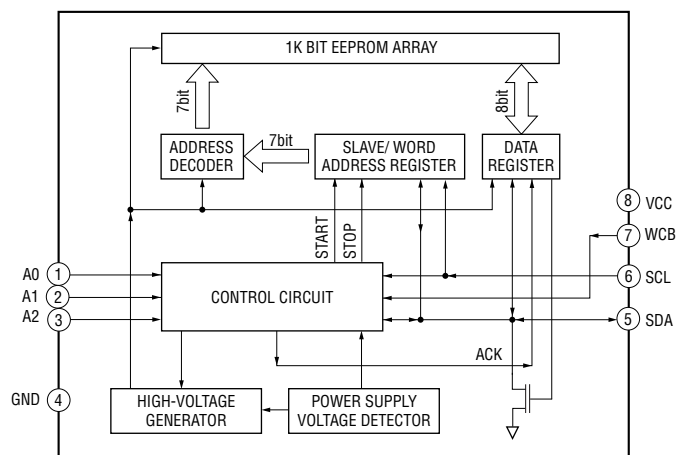
IC1016 TC74VHC393FT(EL) (DIGITAL BOARD (3/5))



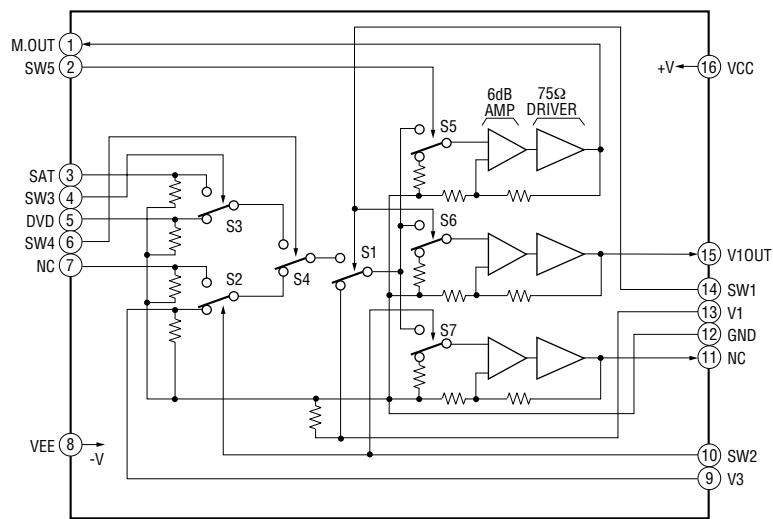
IC1602 TC74VHC595FT(EL) (DIGITAL BOARD (4/5))



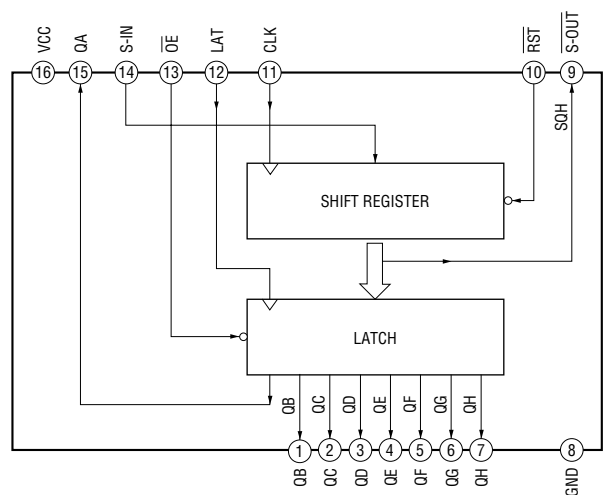
IC1131 BR24L32F-WE2 (DIGITAL BOARD (5/5))



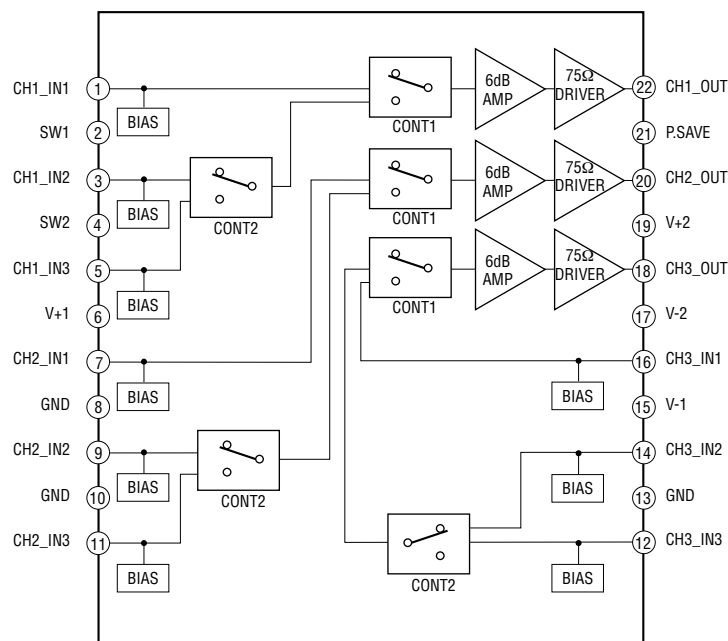
IC203 NJM2595D (VIDEO BOARD)



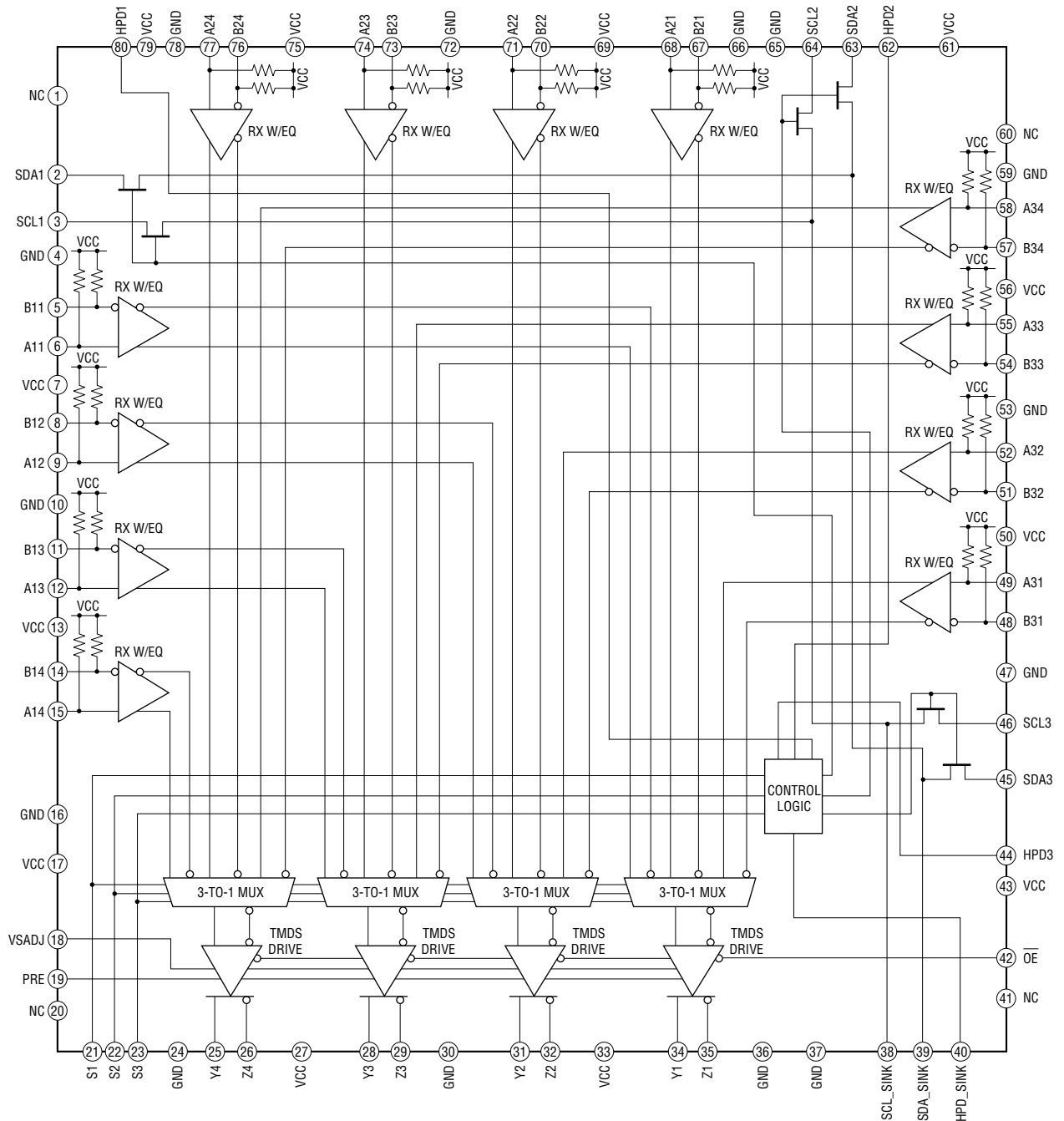
IC230 SN74HC595ANSR (VIDEO BOARD)



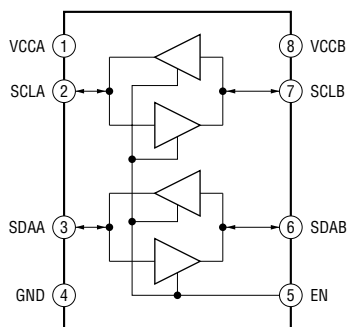
IC304 NJM2586AL (VIDEO BOARD)



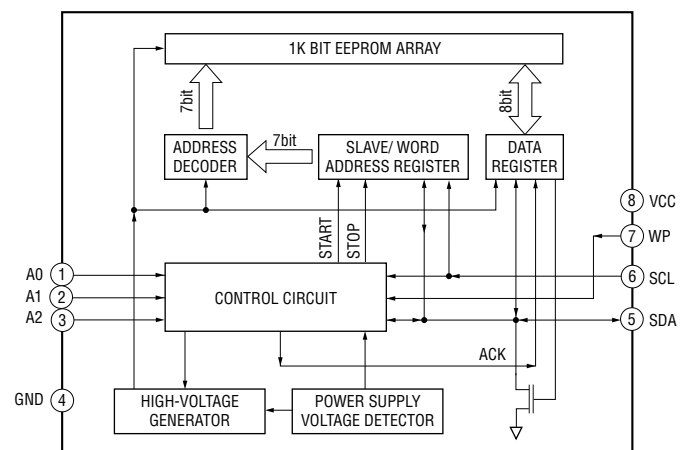
IC3503 TMD5341APFCR (HDMI RE BOARD (1/2))



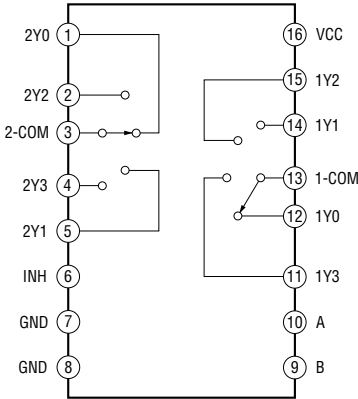
IC3507 PCA9517DP.118 (HDMI RE BOARD (1/2))



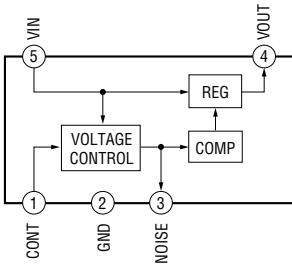
IC3509 BR24L02F-WE2 (HDMI RE BOARD (1/2))



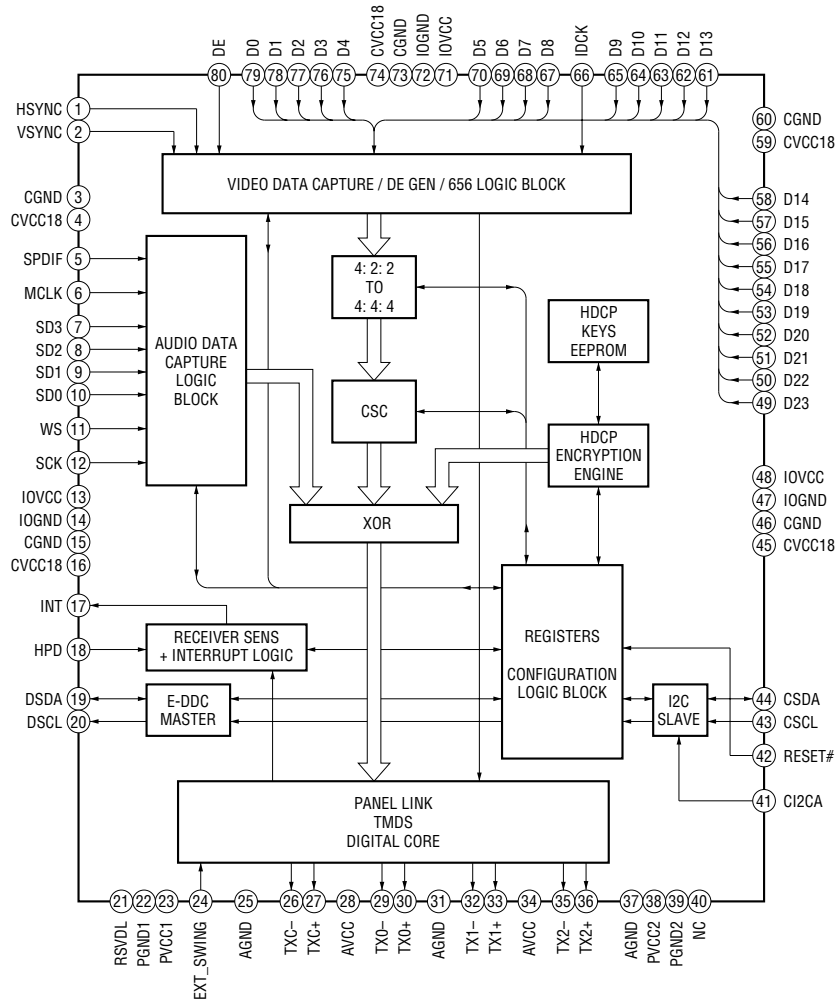
IC3521 SN74LV4052APWR
(HDMI RE BOARD (1/2))
IC3504 SN74LV4052APWR
(HDMI RE BOARD (2/2))



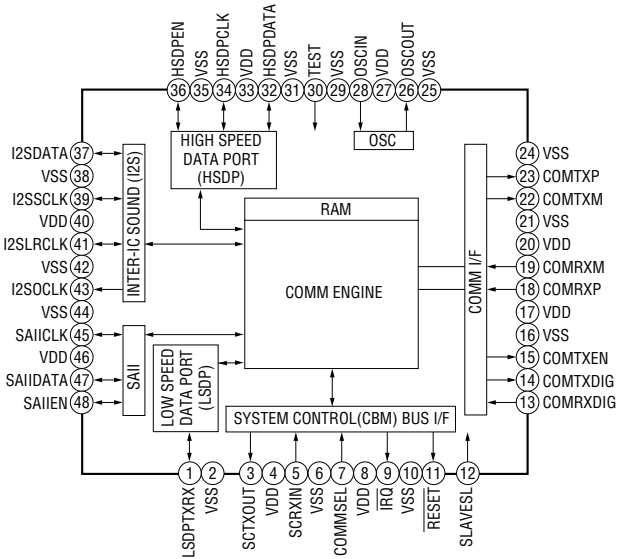
IC3516 TK11150CSSL-G
(HDMI RE BOARD (2/2))



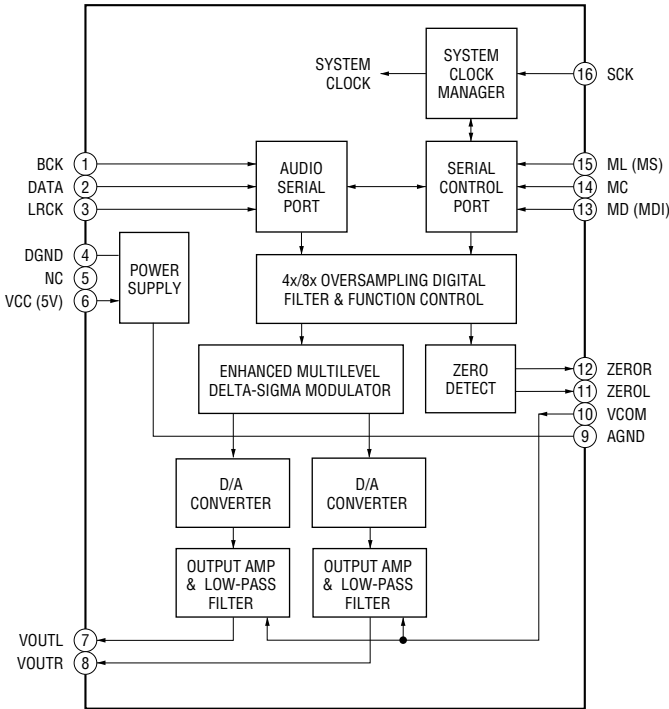
IC3513 SII9030CTU-7 (HDMI RE BOARD (2/2))



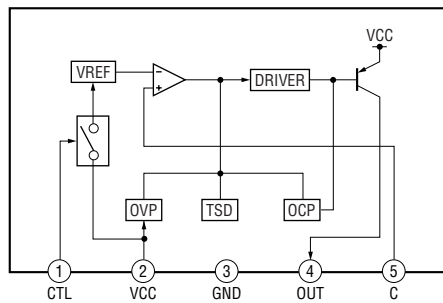
IC102 F2602E-01-TR (XM BOARD)



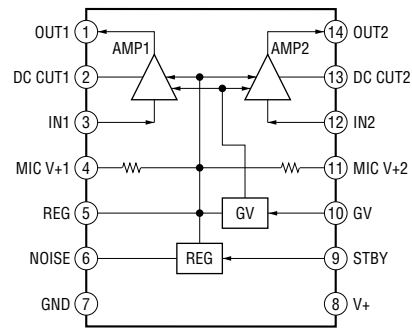
IC105 PCM1753DBQR (XM BOARD)



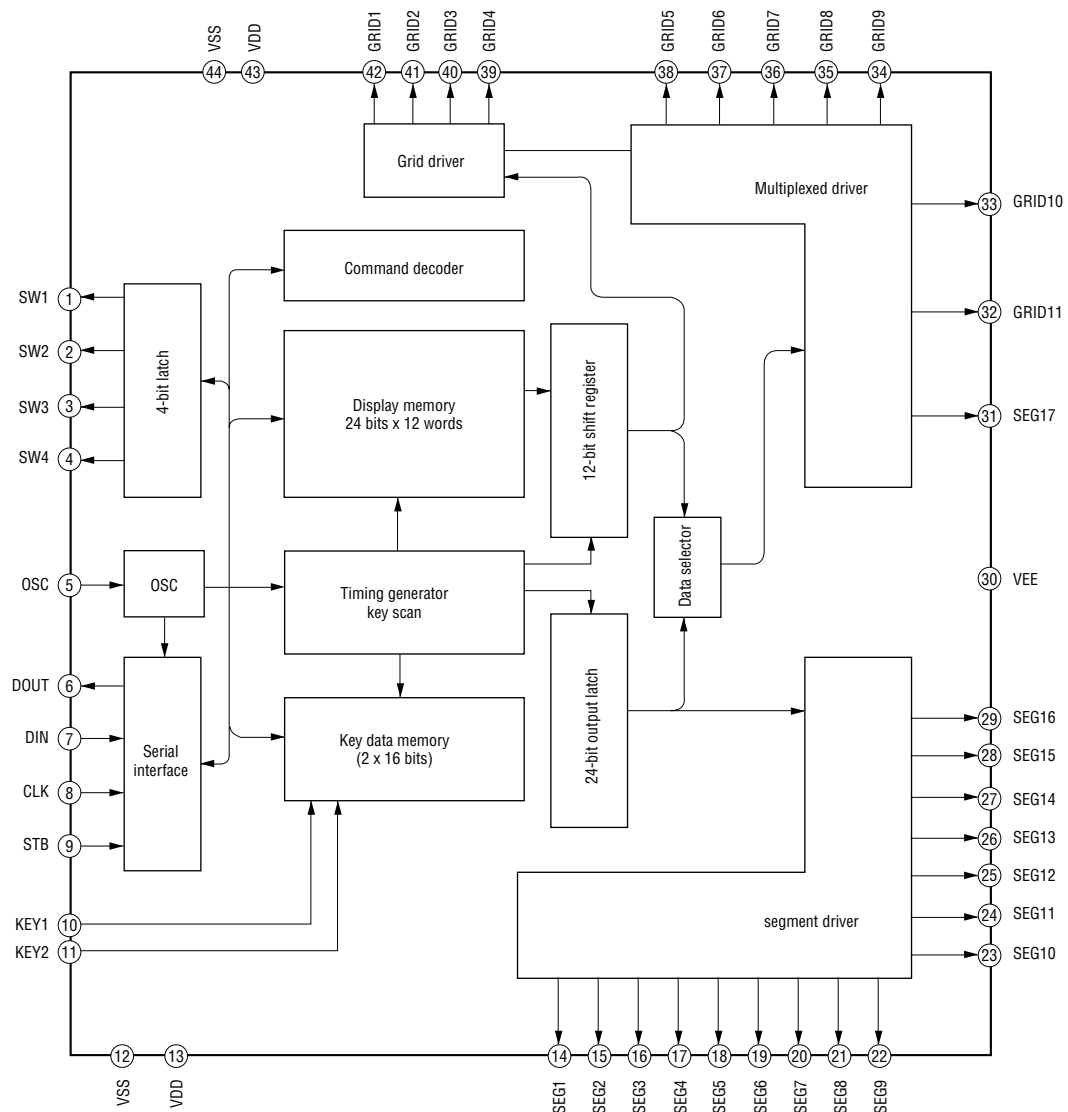
IC106 BA00CC0WT(-V5) (XM BOARD)



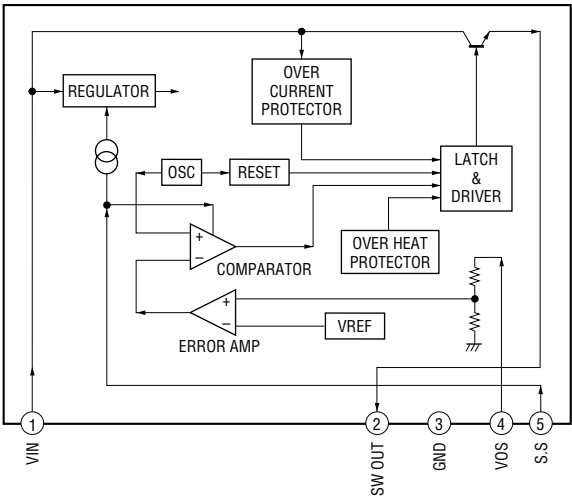
IC2501 NJM2173AV(TE2) (DCAC SILVER BOARD)



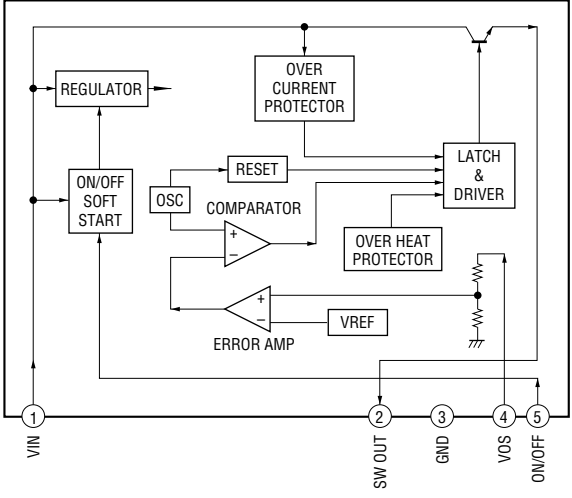
IC100 PT6315 (DISPLAY BOARD)



IC4001 SI-8050S-LF1101 (DCDC BOARD)



IC4100 SI-8033S (DCDC BOARD)



• IC Pin Descriptions

IC1009 ADSP21266SKSTZ-2C (DSP EX3) (DIGITAL BOARD (3/5))

Pin No.	Pin Name	I/O	Pin Description
1	VDDINT	—	Power supply terminal (+1.2 V)
2	CLKCFG0	I	Clock frequency setting signal input 0
3	CLKCFG1	I	Clock frequency setting signal input 1
4	BOOTCFG0	I	Boot mode setting signal input 0 from DSP.
5	BOOTCFG1	I	Boot mode setting signal input 1 from DSP.
6	GND	—	Ground
7	VDDEXT	—	Power supply terminal (+3.3 V)
8	GND	—	Ground
9	VDDINT	—	Power supply terminal (+1.2 V)
10	GND	—	Ground
11	VDDINT	—	Power supply terminal (+1.2 V)
12	GND	—	Ground
13	VDDINT	—	Power supply terminal (+1.2 V)
14	GND	—	Ground
15	INT_REQ	O	Interrupt status output for main system controller.
16	DIR_ERR	O	PLL lock error signal and data error flag output for main system controller.
17	AD7	I/O	Two-way data bus and address signal output 7 with S-RAM.
18	GND	—	Ground
19	VDDINT	—	Power supply terminal (+1.2 V)
20	GND	—	Ground
21	VDDEXT	—	Power supply terminal (+3.3 V)
22	GND	—	Ground
23	VDDINT	—	Power supply terminal (+1.2 V)
24 to 26	AD6 to AD4	I/O	Two-way data bus and address signal output 6 to 4 with S-RAM.
27	VDDINT	—	Power supply terminal (+1.2 V)
28	GND	—	Ground
29, 30	AD3, AD2	I/O	Two-way data bus and address signal output 3, 2 with S-RAM.
31	VDDEXT	—	Power supply terminal (+3.3 V)
32	GND	—	Ground
33, 34	AD1, AD0	I/O	Two-way data bus and address signal output 1, 0 with S-RAM.
35	XWR	O	Data write enable signal output for S-RAM. (L: active)
36, 37	VDDINT	—	Power supply terminal (+1.2 V)
38	GND	—	Ground
39	XRD	O	Read strobe signal output for S-RAM. (L: active)
40	ALE	O	Address latch enable signal output
41 to 43	AD15 to AD13	I/O	Two-way data bus and address signal output 15 to 13 with S-RAM.
44	GND	—	Ground
45	VDDEXT	—	Power supply terminal (+3.3 V)
46	AD12	I/O	Two-way data bus and address signal output 12 with S-RAM.
47	VDDINT	—	Power supply terminal (+1.2 V)
48	GND	—	Ground
49 to 52	AD11 to AD8	I/O	Two-way data bus and address signal output 11 to 8 with S-RAM.
53	A16	O	Address signal output 16 for S-RAM.
54	VDDINT	—	Power supply terminal (+1.2 V)
55	GND	—	Ground
56, 57	A17, A18	O	Address signal output 17, 18 for S-RAM.
58	GND	—	Ground
59	VDDEXT	—	Power supply terminal (+3.3 V)
60	VDDINT	—	Power supply terminal (+1.2 V)
61	GND	—	Ground
62	PF_CE	I/O	Chip enable signal input/output (Not used in this set)

Pin No.	Pin Name	I/O	Pin Description
63	SPI_MAS	O	Master/slave select signal output (L: DSP is master)
64	DPSOA	O	PCM audio signal (front L/R) output
65	DPSOB	O	PCM audio signal (surround L/R) output
66	VDDINT	—	Power supply terminal (+1.2 V)
67	GND	—	Ground
68	VDDINT	—	Power supply terminal (+1.2 V)
69	GND	—	Ground
70	DPSOC	O	PCM audio signal (center, sub woofer) output
71	DPSOD	O	PCM audio signal (surround back L/R) output
72	VDDINT	—	Power supply terminal (+1.2 V)
73	VDDEXT	—	Power supply terminal (+3.3 V)
74	GND	—	Ground
75	VDDINT	—	Power supply terminal (+1.2 V)
76	GND	—	Ground
77	DPSOE	O	PCM audio signal output (Not used in this set)
78	DPSIA	I	PCM audio signal (digital input) input
79	DPSIB	I	PCM audio signal (front L/R) input
80	DPSIC	I	PCM audio signal (surround L/R) input
81	DPSID	I	PCM audio signal (center, sub woofer) input
82	DPSIE	I	PCM audio signal (surround back L/R) input
83	VDDINT	—	Power supply terminal (+1.2 V)
84, 85	GND	—	Ground
86	DPDVLCK	O	L/R sampling clock signal (44.1 kHz) output for PCM audio output.
87	DPDVCLK	O	Bit clock signal (2.8224 MHz) output for PCM audio output.
88	DPLRCK	I	L/R sampling clock signal (44.1 kHz) input from PCM audio input.
89	DPBCK	I	Bit clock signal (2.8224 MHz) input from PCM audio input.
90	VDDINT	—	Power supply terminal (+1.2 V)
91, 92	GND	—	Ground
93	VDDEXT	—	Power supply terminal (+3.3 V)
94	DPFSCK	I	Master clock signal input
95	GND	—	Ground
96	VDDINT	—	Power supply terminal (+1.2 V)
97	XNONAUDIO	I	Digital input signal select control signal input
98	XSF_CE	O	Chip enable signal output for flash memory.
99	VDDINT	—	Power supply terminal (+1.2 V)
100	GND	—	Ground
101	VDDINT	—	Power supply terminal (+1.2 V)
102	GND	—	Ground
103	VDDINT	—	Power supply terminal (+1.2 V)
104	GND	—	Ground
105	VDDINT	—	Power supply terminal (+1.2 V)
106	GND	—	Ground
107, 108	VDDINT	—	Power supply terminal (+1.2 V)
109	GND	—	Ground
110	VDDINT	—	Power supply terminal (+1.2 V)
111	GND	—	Ground
112	VDDINT	—	Power supply terminal (+1.2 V)
113	GND	—	Ground
114	VDDINT	—	Power supply terminal (+1.2 V)
115	GND	—	Ground
116	VDDEXT	—	Power supply terminal (+3.3 V)
117	GND	—	Ground
118	VDDINT	—	Power supply terminal (+1.2 V)

Pin No.	Pin Name	I/O	Pin Description
119	GND	—	Ground
120	VDDINT	—	Power supply terminal (+1.2 V)
121	XRESET	I	System reset signal input from main system controller.
122	XSPIDS	I	Serial data latch pulse signal input from main system controller.
123	GND	—	Ground
124	VDDINT	—	Power supply terminal (+1.2 V)
125	SPICLK	I/O	Serial data transfer clock signal input/output with flash memory.
126	MISO	I/O	When DSP is master: Serial data input from flash memory. When DSP is slave: Serial data output for main system controller.
127	MOSI	I/O	When DSP is master: Serial data output for flash memory. When DSP is slave: Serial data input from main system controller.
128	GND	—	Ground
129	VDDINT	—	Power supply terminal (+1.2 V)
130	VDDEXT	—	Power supply terminal (+3.3 V)
131	AVDD	—	Power supply terminal (+3.3 V)
132	AVSS	—	Ground
133	GND	—	Ground
134	CLKOUT	—	Not used. (Open)
135	XEMU	—	Not used. (Open)
136	TDO	—	Not used. (Open)
137	TDI	—	Not used. (Open)
138	CTRST	—	Not used. (Open)
139	TCK	—	Not used. (Open)
140	TMS	—	Not used. (Open)
141	GND	—	Ground
142	CLKIN	I	System clock input (25 MHz)
143	XTAL	O	System clock output (25 MHz)
144	VDDEXT	—	Power supply terminal (+3.3 V)

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

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

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

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

Pin No.	Pin Name	I/O	Pin Description
1	HSYNC	I	Horizontal synchronize signal input from HDMI RX.
2	VSYNC	I	Vertical synchronize signal input from HDMI RX.
3	CGND	—	Ground
4	CVCC18	—	Power supply terminal (+1.8 V)
5	SPDIF	I	SPDIF signal input from HDMI RX.
6	MCLK	I	Audio master clock signal input from HDMI RX.
7 to 10	SD3 to SD0	I	Serial data input from HDMI RX.
11	WS	I	Word select signal input from HDMI RX.
12	SCK	I	Serial clock signal input from HDMI RX.
13	IOVCC	—	Power supply terminal (+3.3 V)
14	IOGND	—	Ground
15	CGND	—	Ground
16	CVCC18	—	Power supply terminal (+1.8 V)
17	INT	O	Interrupt signal output for HDMI controller.
18	HPD	I	Hot plug detect signal input from HDMI OUT connector.
19	DSDA	I/O	I2C two-way data bus with HDMI OUT connector.
20	DSCL	O	I2C clock signal output for HDMI OUT connector.
21	RSVDL	—	Not used. (Fixed at L)
22	PGND1	—	Ground
23	PVCC1	—	Power supply terminal (+3.3 V)
24	EXT_SWING	—	Not used. (Fixed at H)
25	AGND	—	Ground
26	TXC–	O	TMDS clock signal output for HDMI OUT connector.
27	TXC+	O	TMDS clock signal output for HDMI OUT connector.
28	AVCC	—	Power supply terminal (+3.3 V)
29	TX0–	O	TMDS data output 0 for HDMI OUT connector.
30	TX0+	O	TMDS data output 0 for HDMI OUT connector.
31	AGND	—	Ground
32	TX1–	O	TMDS data output 1 for HDMI OUT connector.
33	TX1+	O	TMDS data output 1 for HDMI OUT connector.
34	AVCC	—	Power supply terminal (+3.3 V)
35	TX1–	O	TMDS data output 2 for HDMI OUT connector.
36	TX1+	O	TMDS data output 2 for HDMI OUT connector.
37	AGND	—	Ground
38	PVCC2	—	Power supply terminal (+3.3 V)
39	PGND2	—	Ground
40	NC	—	Not used. (Open)
41	CI2CA	—	Not used. (Fixed at L)
42	RESET	I	Reset signal input from HDMI controller. (L: Reset)
43	CSCL	I	I2C clock signal input from HDMI controller.
44	CSDA	I/O	I2C two-way data bus with HDMI section.
45	CVCC18	—	Power supply terminal (+1.8 V)
46	CGND	—	Ground
47	IOGND	—	Ground
48	IOVCC	—	Power supply terminal (+3.3 V)
49 to 58	D23 to D14	I	Serial data input 23 to 14 from HDMI RX and video processor.
59	CVCC18	—	Power supply terminal (+1.8 V)
60	CGND	—	Ground
61 to 65	D13 to D9	I	Serial data input 13 to 9 from HDMI RX and video processor.
66	IDCK	I	Output data clock signal input from HDMI RX.
67 to 70	D8 to D5	I	Serial data input 8 to 5 from HDMI RX and video processor.
71	IOVCC	—	Power supply terminal (+3.3 V)

Pin No.	Pin Name	I/O	Pin Description
72	I0GND	—	Ground
73	CGND	—	Ground
74	CVCC18	—	Power supply terminal (+1.8 V)
75 to 79	D4 to D0	I	Serial data input 4 to 0 from HDMI RX and video processor.
80	DE	I	Data enable signal input from HDMI RX.

SECTION 6

EXPLODED VIEWS

NOTE:

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

- Color Indication of Appearance Parts
Example :

↑
Parts Color

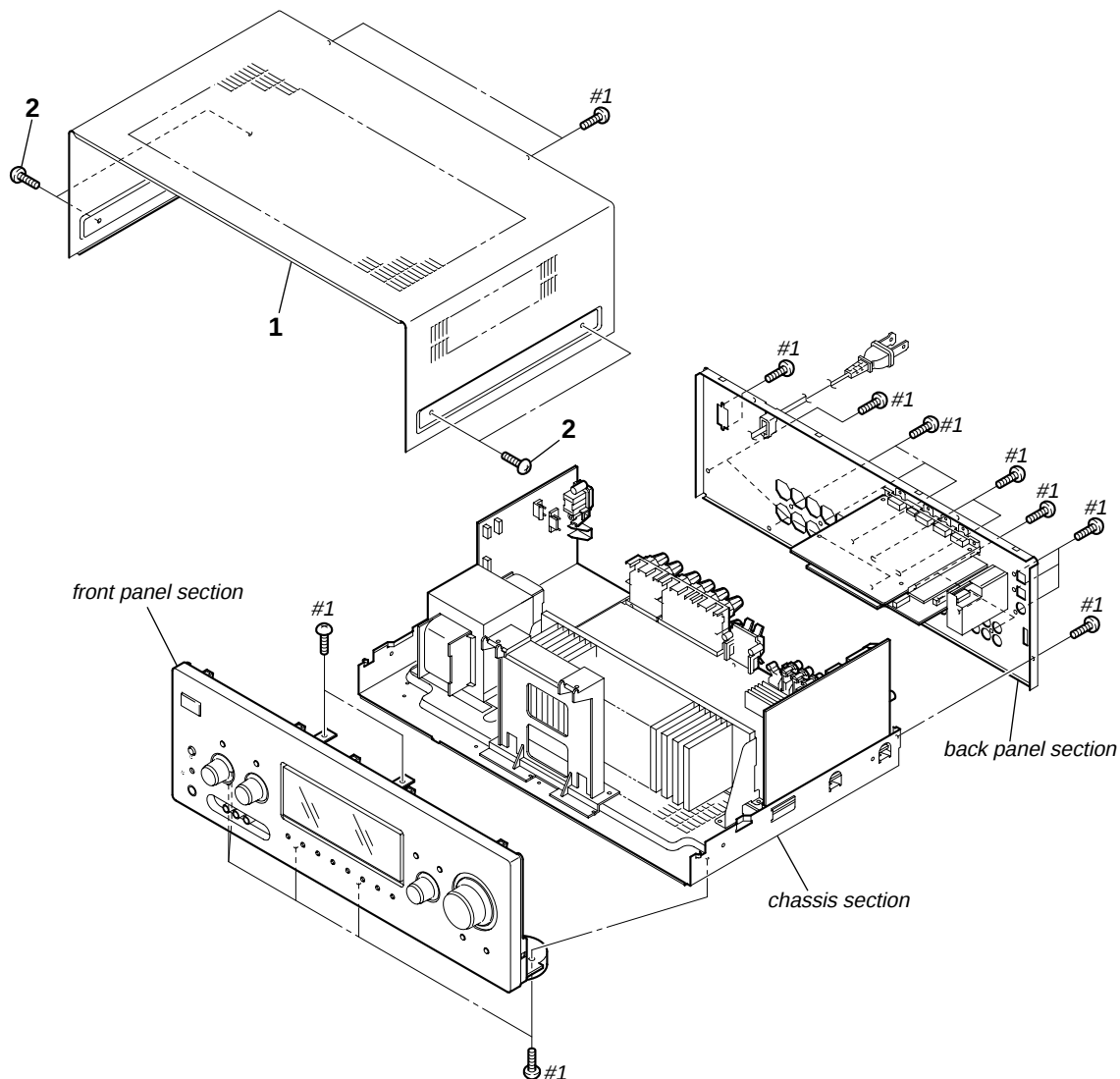
KNOB, BALANCE (WHITE) ... (RED)

↑
Cabinet's Color
- Accessories are given in the last of this parts list.

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

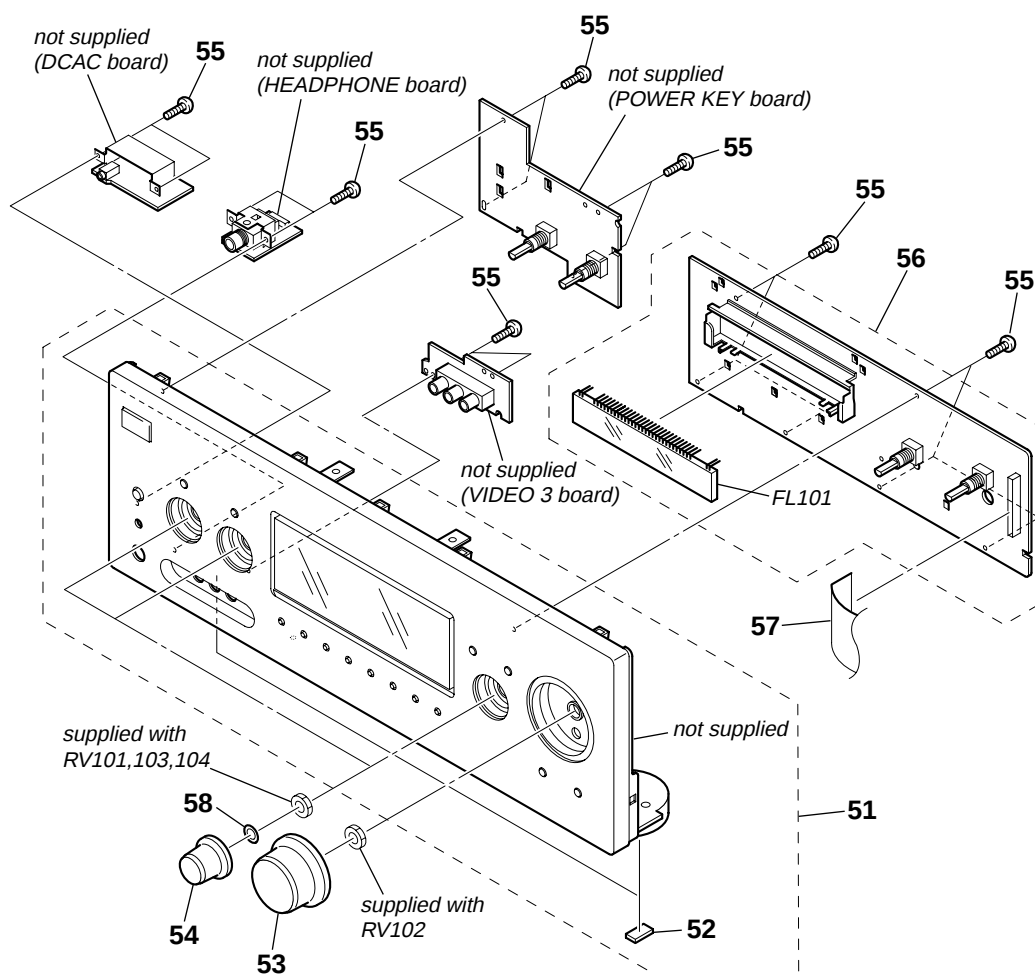
The components identified by mark  contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

6-1. CASE SECTION



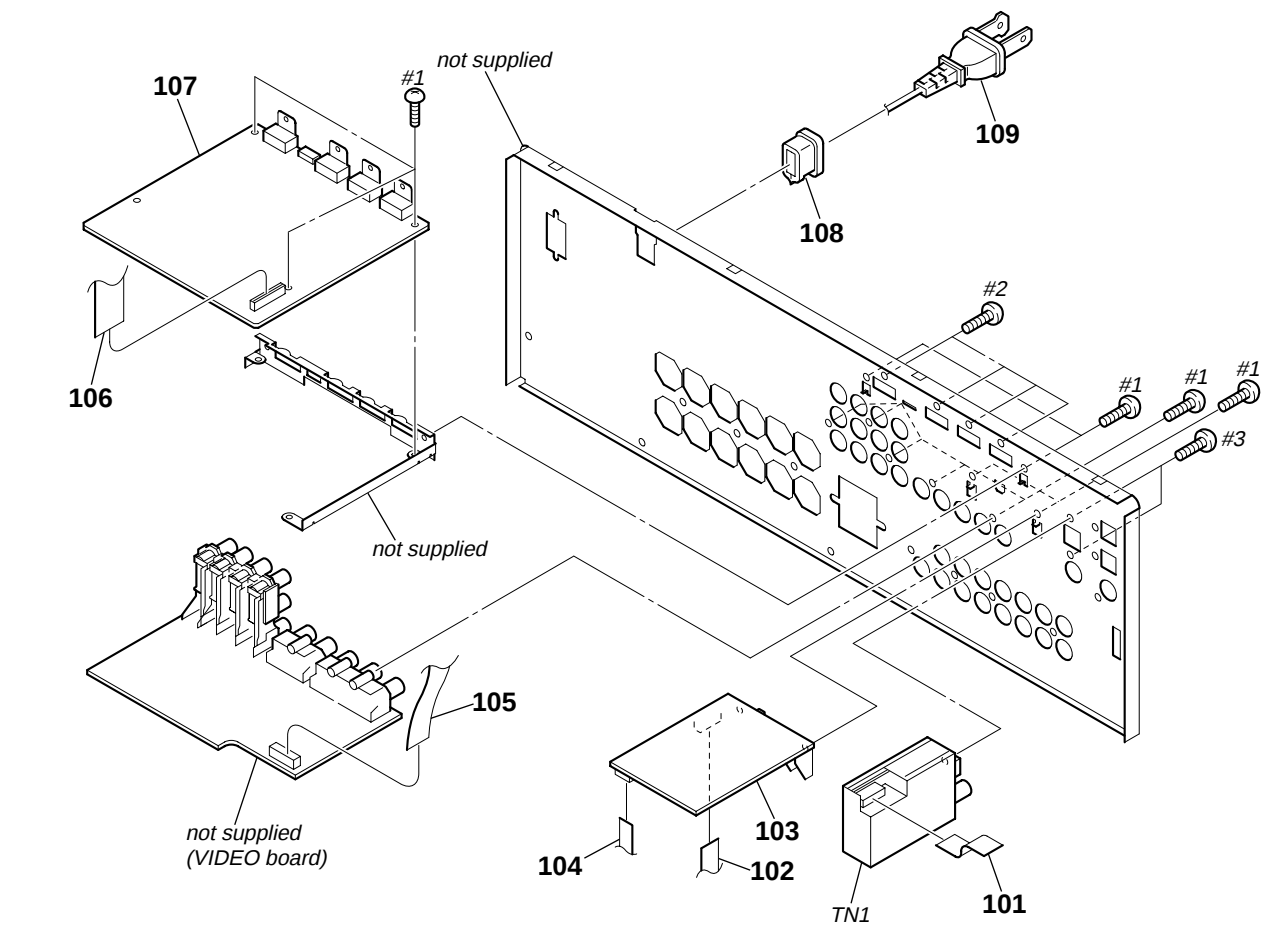
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	2-661-145-11	CASE		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
2	3-363-099-02	SCREW (CASE 3 TP2)					

6-2. FRONT PANEL SECTION



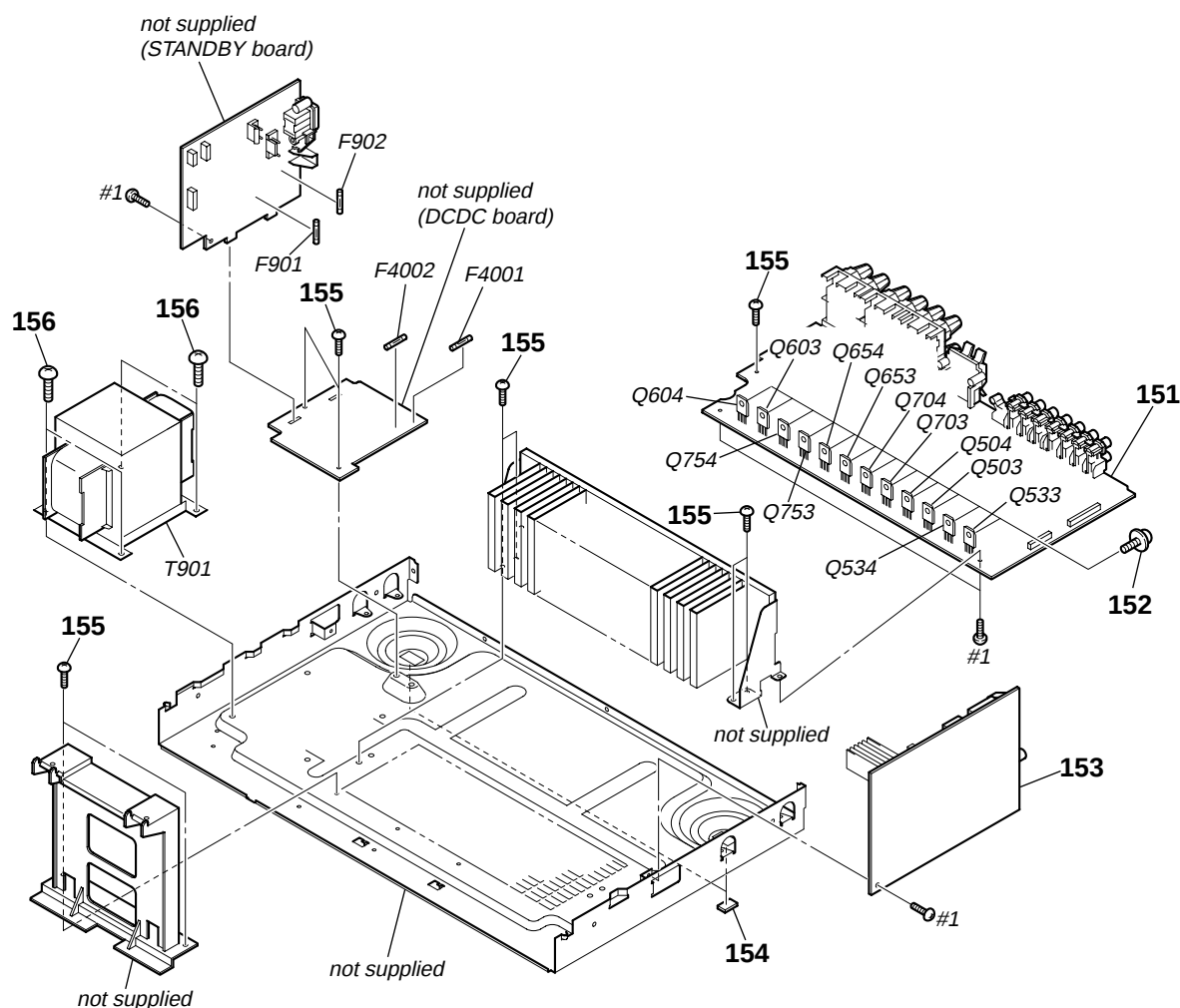
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2176-237-1	FRONT PANEL ASSY		56	A-1225-211-A	DISPLAY BOARD, COMPLETE	
52	4-977-358-01	CUSHION		57	1-829-042-11	WIRE (FLAT TYPE) (27 CORE)	
53	2-661-142-01	KNOB (VOLUME)		58	3-354-981-11	SPRING (SUS), RING	
54	2-661-141-01	KNOB (MENU)		FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY	
55	3-087-053-01	+BVTP 2.6 (3CR)					

6-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-828-953-11	WIRE (FLAT TYPE) (9 CORE)		* 108	3-703-244-00	BUSHING (2104), CORD	
102	1-828-957-11	WIRE (FLAT TYPE) (9 CORE)		△ 109	1-783-820-11	CORD, POWER	
103	A-1222-793-A	XM BOARD, COMPLETE		TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA)	
104	1-828-937-11	WIRE (FLAT TYPE) (5 CORE)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
105	1-828-936-11	WIRE (FLAT TYPE) (5 CORE)		#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
106	1-828-349-51	WIRE (FLAT TYPE) (17 CORE)		#3	7-685-862-09	SCREW +BVTT 2.6X6 (S)	
△ 107	A-1253-210-A	HDMI RE BOARD, COMPLETE (for SERVICE)					

6-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1224-709-A	MAIN BOARD, COMPLETE		Q533	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
152	3-905-609-01	SCREW (TRANSISTOR)		Q534	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	A-1225-232-A	DIGITAL BOARD, COMPLETE		Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
154	4-977-358-01	CUSHION		Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
155	3-077-331-21	+BV 3 (3-CR)		Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
156	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
△ F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V)		Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
△ F902	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (5A/125V)		Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
△ F4001	1-532-465-33	FUSE (3.15A/250V)		Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
△ F4002	1-532-465-33	FUSE (3.15A/250V)		Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK		△ T901	1-439-583-11	TRANSFORMER, POWER (MAIN)	
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 7

ELECTRICAL PARTS LIST

NOTE:

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

- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H

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

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

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

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark	
DCAC SILVER BOARD							< JACK >							
*****							J2500	1-820-056-11	JACK (SMALL TYPE) (AUTO CAL MIC)					
< CAPACITOR >							< TRANSISTOR >							
C2500	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		Q2500	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L					
C2501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		< RESISTOR >							
C2502	1-126-795-11	ELECT	10uF	20%	50V		R2501	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		
C2503	1-126-795-11	ELECT	10uF	20%	50V		R2503	1-216-849-11	METAL CHIP	220K	5%	1/10W		
C2504	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		R2504	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		
C2505	1-126-795-11	ELECT	10uF	20%	50V		R2506	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		
C2506	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		R2507	1-216-843-11	METAL CHIP	68K	5%	1/10W		
C2513	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V		R2508	1-216-821-11	METAL CHIP	1K	5%	1/10W		
C2514	1-119-772-11	ELECT	47uF	20%	35V		R2513	1-216-833-11	METAL CHIP	10K	5%	1/10W		
C2515	1-126-795-11	ELECT	10uF	20%	50V		R2514	1-216-833-11	METAL CHIP	10K	5%	1/10W		
C2516	1-126-795-11	ELECT	10uF	20%	50V		R2518	1-216-833-11	METAL CHIP	10K	5%	1/10W		
C2517	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		R2519	1-216-821-11	METAL CHIP	1K	5%	1/10W		
C2518	1-104-957-11	ELECT	47uF	20%	25V		< LEAD WIRE >							
C2519	1-126-160-11	ELECT	1uF	20%	50V		* W2500	1-690-880-31	LEAD (WITH CONNECTOR)					
C2520	1-126-795-11	ELECT	10uF	20%	50V		*****							
C2521	1-126-795-11	ELECT	10uF	20%	50V		DCDC BOARD							
C2522	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		*****							
C2523	1-104-957-11	ELECT	47uF	20%	25V		1-533-313-11	HOLDER, FUSE						
C2524	1-119-772-11	ELECT	47uF	20%	35V		7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3						
C2525	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V		< CAPACITOR >							
C2526	1-126-795-11	ELECT	10uF	20%	50V		C4002	1-128-549-11	ELECT	3300uF	20%	35V		
C2528	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V		C4003	1-115-814-11	ELECT	0.001F	20%	35V		
C2529	1-119-772-11	ELECT	47uF	20%	35V		C4004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V		
C2530	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		C4005	1-128-950-21	ELECT	1000uF	20%	16V		
< CONNECTOR >							C4006	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V		
CN711	1-779-977-11	PIN, CONNECTOR 6P					C4007	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V		
< DIODE >							C4009	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V		
D2500	8-719-988-61	DIODE 1SS355TE-17					C4010	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V		
< FERRITE BEAD >							C4100	1-115-814-11	ELECT	0.001F	20%	35V		
FB2500	1-469-152-11	FERRITE, EMI (SMD) (2012)					C4102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V		
< IC >							C4103	1-128-950-21	ELECT	1000uF	20%	16V		
IC2501	8-759-825-56	IC	NJM2173AV(TE2)				< CONNECTOR >							
IC2502	6-705-468-01	IC	BA33BC0FP-E2				CN4101	1-779-977-11	PIN, CONNECTOR 6P					

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
< DIODE >						C1031	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
D4001	8-719-081-52	DIODE D5SBA20-4003				C1032	1-135-372-31	ELECT	470uF	20%	10V
D4803	8-719-080-53	DIODE RK36LF-B3				C1034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
D4804	8-719-059-21	DIODE RK46LF-T2				C1035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
< IC >						C1036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
IC4001	8-759-474-09	IC SI-8050S-LF1101				C1037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
IC4100	8-759-659-28	IC SI-8033S				C1038	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
< COIL >						C1039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
L4000	1-456-545-11	INDUCTOR	100uH			C1040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
L4001	1-456-545-11	INDUCTOR	100uH			C1041	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
L4100	1-456-545-11	INDUCTOR	100uH			C1042	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
L4102	1-456-721-11	INDUCTOR	100uH			C1043	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
< RESISTOR >						C1044	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
R4000	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	C1048	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
R4001	1-216-817-11	METAL CHIP	470	5%	1/10W	C1049	1-117-370-11	CERAMIC CHIP	10uF		10V
R4002	1-216-819-11	METAL CHIP	680	5%	1/10W	C1050	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R4100	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	C1051	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R4101	1-216-817-11	METAL CHIP	470	5%	1/10W	C1052	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R4102	1-216-819-11	METAL CHIP	680	5%	1/10W	C1053	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
*****						C1054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
A-1225-232-A	DIGITAL BOARD, COMPLETE					C1055	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
	*****					C1056	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3					C1057	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
< CAPACITOR >						C1058	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1001	1-126-925-11	ELECT	470uF	20%	10V	C1059	1-117-370-11	CERAMIC CHIP	10uF		10V
C1002	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	C1060	1-126-933-11	ELECT	100uF	20%	16V
C1004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1061	1-126-933-11	ELECT	100uF	20%	16V
C1005	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1062	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1006	1-126-965-11	ELECT	22uF	20%	50V	C1063	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1007	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1064	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1008	1-165-722-11	ELECT	100uF	20%	10V	C1065	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1010	1-126-964-11	ELECT	10uF	20%	50V	C1066	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1011	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1067	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1012	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1068	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1013	1-126-933-11	ELECT	100uF	20%	16V	C1069	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1070	1-165-722-11	ELECT	100uF	20%	10V
C1015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1072	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1073	1-126-933-11	ELECT	100uF	20%	16V
C1017	1-117-370-11	CERAMIC CHIP	10uF		10V	C1074	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C1018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1075	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1076	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1077	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1021	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	C1078	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1022	1-135-372-31	ELECT	470uF	20%	10V	C1079	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1081	1-126-960-11	ELECT	1uF	20%	50V
C1025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1082	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1083	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1084	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1085	1-126-965-11	ELECT	22uF	20%	50V
C1029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1086	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1030	1-117-370-11	CERAMIC CHIP	10uF		10V	C1087	1-165-722-11	ELECT	100uF	20%	10V
						C1088	1-112-100-11	ELECT	10uF	20%	50V
						C1089	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1090	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1091	1-126-964-11	ELECT	10uF	20%	50V
						C1092	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C1093	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

DIGITAL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C1094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1429	1-126-964-11	ELECT	10uF	20%	50V
C1095	1-126-933-11	ELECT	100uF	20%	16V	C1430	1-126-964-11	ELECT	10uF	20%	50V
C1096	1-117-370-11	CERAMIC CHIP	10uF		10V	C1438	1-126-964-11	ELECT	10uF	20%	50V
C1097	1-117-370-11	CERAMIC CHIP	10uF		10V	C1448	1-126-964-11	ELECT	10uF	20%	50V
C1101	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1450	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1454	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1457	1-126-964-11	ELECT	10uF	20%	50V
C1104	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1458	1-126-964-11	ELECT	10uF	20%	50V
C1106	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1460	1-126-964-11	ELECT	10uF	20%	50V
C1107	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1468	1-126-964-11	ELECT	10uF	20%	50V
C1108	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1478	1-126-964-11	ELECT	10uF	20%	50V
C1118	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1483	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C1119	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1485	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C1122	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1486	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C1123	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1489	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C1131	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1491	1-126-964-11	ELECT	10uF	20%	50V
C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1492	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C1133	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1493	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C1135	1-126-947-11	ELECT	47uF	20%	35V	C1494	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1138	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1496	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1498	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C1140	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1500	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C1141	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1501	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1144	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1502	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C1145	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1503	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C1171	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1504	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C1172	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1505	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1173	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1506	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C1174	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1510	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C1175	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1512	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C1256	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C1605	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1257	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C1620	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1266	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1653	1-126-964-11	ELECT	10uF	20%	50V
C1267	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1654	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1301	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1656	1-126-964-11	ELECT	10uF	20%	50V
C1303	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1657	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C1304	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V	C1658	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C1305	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1659	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1306	1-126-964-11	ELECT	10uF	20%	50V	C1670	1-126-964-11	ELECT	10uF	20%	50V
C1308	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1671	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	C1672	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	C1673	1-126-964-11	ELECT	10uF	20%	50V
C1312	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1675	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C1676	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1314	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1677	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1315	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1678	1-126-964-11	ELECT	10uF	20%	50V
C1316	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1679	1-126-964-11	ELECT	10uF	20%	50V
C1317	1-126-964-11	ELECT	10uF	20%	50V	C1913	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C1318	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C1914	1-126-947-11	ELECT	47uF	20%	35V
C1351	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	< CONNECTOR >					
C1352	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	* CNP500	1-564-510-11	PLUG, CONNECTOR 7P			
C1355	1-126-965-11	ELECT	22uF	20%	50V	* CNP501	1-564-506-11	PLUG, CONNECTOR 3P			
C1358	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	CNP503	1-779-799-11	PIN, CONNECTOR 9P			
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V	CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
C1361	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	CNS502	1-573-825-11	CONNECTOR, BOARD TO BOARD 11P			
C1362	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	CNS503	1-568-828-11	CONNECTOR, FFC 9P			
C1418	1-126-964-11	ELECT	10uF	20%	50V	CNS504	1-784-731-11	CONNECTOR, FFC 9P			
C1428	1-126-964-11	ELECT	10uF	20%	50V						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
CNS505	1-784-788-11	CONNECTOR, FFC 27P		IC1016	8-759-524-48	IC TC74VHC393FT(EL)	
CNS506	1-820-116-41	CONNECTOR, FFC/FPC 17P		IC1017	8-759-680-48	IC TC7WH157FK(TE85R)	
CNS508	1-568-828-11	CONNECTOR, FFC 9P		IC1031	6-705-469-01	IC BA50BC0FP-E2	
CNS509	1-784-766-11	CONNECTOR, FFC 5P		IC1131	6-704-005-01	IC BR24L32F-WE2	
		< DIODE >		IC1301	6-805-692-01	IC LC890561W	
D1001	8-719-053-18	DIODE 1SR154-400TE-25		IC1302	8-759-595-15	IC TC74ACT153F(EL)	
D1003	8-719-049-09	DIODE 1SS367-T3SONY		IC1303	8-759-096-87	IC TC7WU04FU(TE12R)	
D1004	8-719-049-09	DIODE 1SS367-T3SONY		IC1351	6-600-466-01	IC TORX147L(SONY) (DIGITAL (ASSIGNABLE) SAT IN (OPTICAL))	
D1106	8-719-060-48	DIODE RB751V-40TE-17		IC1352	6-600-466-01	IC TORX147L(SONY) (DIGITAL (ASSIGNABLE) VIDEO 1 IN (OPTICAL))	
D1107	8-719-404-50	DIODE MA111-TX		IC1403	8-759-710-97	IC NJM4565M-D	
D1110	8-719-404-50	DIODE MA111-TX		IC1404	8-759-710-97	IC NJM4565M-D	
D1111	8-719-404-50	DIODE MA111-TX		IC1405	8-759-710-97	IC NJM4565M-D	
D1301	8-719-404-50	DIODE MA111-TX		IC1406	8-759-710-97	IC NJM4565M-D	
D1302	8-719-404-50	DIODE MA111-TX		IC1452	6-708-785-01	IC PCM1609APT	
		< FERRITE BEAD >		IC1602	8-759-529-76	IC TC74VHC595FT(EL)	
FB1053	1-469-139-21	FERRITE, EMI (SMD) (2012)		IC1603	6-707-608-01	IC PCM1803DBR	
FB1101	1-400-862-11	BEAD, FERRITE		IC1902	8-759-231-56	IC TA7809S	
FB1102	1-400-862-11	BEAD, FERRITE		IC1904	6-705-463-01	IC BA33BC0T	
FB1103	1-469-670-21	FERRITE, EMI (SMD) (2012)				< JACK >	
FB1104	1-469-670-21	FERRITE, EMI (SMD) (2012)		J1301	1-793-446-21	JACK, PIN 1P (DIGITAL (ASSIGNABLE) DVD IN (COAXIAL))	
FB1105	1-400-862-11	BEAD, FERRITE				< CONNECTOR >	
FB1106	1-400-862-11	BEAD, FERRITE		J1302	1-817-615-21	CONNECTOR, BOARD TO BOARD 18P (DMPORT)	
FB1107	1-400-862-11	BEAD, FERRITE				< JUMPER RESISTOR >	
FB1108	1-400-862-11	BEAD, FERRITE		JR1000	1-216-296-11	SHORT CHIP 0	
FB1109	1-400-862-11	BEAD, FERRITE		JR1001	1-211-950-11	SHORT CHIP 0	
FB1110	1-400-862-11	BEAD, FERRITE		JR1002	1-211-950-11	SHORT CHIP 0	
FB1111	1-400-862-11	BEAD, FERRITE		JR1003	1-211-950-11	SHORT CHIP 0	
FB1112	1-469-670-21	FERRITE, EMI (SMD) (2012)		JR1019	1-216-296-11	SHORT CHIP 0	
FB1113	1-400-862-11	BEAD, FERRITE		JR1020	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB1114	1-400-862-11	BEAD, FERRITE		JR1023	1-216-296-11	SHORT CHIP 0	
FB1115	1-400-862-11	BEAD, FERRITE		JR1205	1-216-296-11	SHORT CHIP 0	
FB1116	1-400-862-11	BEAD, FERRITE		JR1511	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB1117	1-400-862-11	BEAD, FERRITE				< TRANSISTOR >	
FB1305	1-469-139-21	FERRITE, EMI (SMD) (2012)		Q1103	8-729-027-43	TRANSISTOR DTC114EKA-T146	
FB1306	1-400-862-11	BEAD, FERRITE		Q1104	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	
FB1308	1-400-862-11	BEAD, FERRITE		Q1105	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	
FB1309	1-400-862-11	BEAD, FERRITE		Q1106	8-729-620-10	TRANSISTOR 2SA1602TP-1EF	
FB1452	1-400-862-11	BEAD, FERRITE		Q1107	8-729-027-43	TRANSISTOR DTC114EKA-T146	
FB1453	1-400-862-11	BEAD, FERRITE				< RESISTOR >	
FB1503	1-469-139-21	FERRITE, EMI (SMD) (2012)		R1010	1-216-809-11	METAL CHIP 100 5% 1/10W	
		< IC >		R1011	1-216-845-11	METAL CHIP 100K 5% 1/10W	
IC1001	6-703-547-01	IC TA7805LS		R1012	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1002	6-710-766-01	IC BD12KA5FP-E2		R1013	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1003	8-759-680-48	IC TC7WH157FK(TE85R)		R1015	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1004	8-759-831-52	IC TC7WH125FK(TE85R)		R1017	1-216-813-11	METAL CHIP 220 5% 1/10W	
IC1005	8-759-277-63	IC TC7W14FU(TE12R)		R1018	1-216-805-11	METAL CHIP 47 5% 1/10W	
IC1006	8-759-058-62	IC TC7S08FU(TE85R)		R1019	1-216-864-11	SHORT CHIP 0	
IC1007	6-702-913-01	IC S-80929CNMC-G8ZT2G		R1021	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1008	8-759-524-10	IC TC74VHC157FT(EL)		R1023	1-216-813-11	METAL CHIP 220 5% 1/10W	
IC1009	6-706-764-01	IC ADSP21266SKSTZ-2C		R1024	1-216-864-11	SHORT CHIP 0	
IC1010	6-807-249-01	IC MB91353APMT-G-113E1					
IC1011	6-807-120-01	IC SST25VF040B-50-4C-QAF-1					
IC1012	6-707-745-10	IC SI-3050KM-TL					
IC1013	6-707-744-01	IC SI-3033KM-TL					
IC1014	8-759-447-77	IC TC7WH74FU(TE12R)					
IC1015	8-759-530-27	IC TC4052BFT(EL,N)					

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Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
R1025	1-216-864-11	SHORT CHIP	0				R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1026	1-216-864-11	SHORT CHIP	0				R1097	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1027	1-216-864-11	SHORT CHIP	0				R1098	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1028	1-216-801-11	METAL CHIP	22	5%	1/10W		R1100	1-216-864-11	SHORT CHIP	0			
R1029	1-216-801-11	METAL CHIP	22	5%	1/10W		R1101	1-216-864-11	SHORT CHIP	0			
R1030	1-216-801-11	METAL CHIP	22	5%	1/10W		R1102	1-216-864-11	SHORT CHIP	0			
R1031	1-216-801-11	METAL CHIP	22	5%	1/10W		R1103	1-216-864-11	SHORT CHIP	0			
R1032	1-216-801-11	METAL CHIP	22	5%	1/10W		R1104	1-216-864-11	SHORT CHIP	0			
R1033	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1034	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1106	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1035	1-216-801-11	METAL CHIP	22	5%	1/10W		R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1036	1-216-864-11	SHORT CHIP	0				R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1037	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1109	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1038	1-216-801-11	METAL CHIP	22	5%	1/10W		R1110	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1040	1-216-801-11	METAL CHIP	22	5%	1/10W		R1112	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W		R1113	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1042	1-216-809-11	METAL CHIP	100	5%	1/10W		R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1043	1-216-801-11	METAL CHIP	22	5%	1/10W		R1115	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1044	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1116	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1046	1-216-801-11	METAL CHIP	22	5%	1/10W		R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1047	1-216-801-11	METAL CHIP	22	5%	1/10W		R1118	1-216-864-11	SHORT CHIP	0			
R1048	1-216-857-11	METAL CHIP	1M	5%	1/10W		R1119	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1049	1-216-817-11	METAL CHIP	470	5%	1/10W		R1120	1-216-864-11	SHORT CHIP	0			
R1050	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1122	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1051	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		R1123	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1052	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		R1124	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1053	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1125	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1054	1-216-817-11	METAL CHIP	470	5%	1/10W		R1126	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1062	1-216-801-11	METAL CHIP	22	5%	1/10W		R1127	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1063	1-216-809-11	METAL CHIP	100	5%	1/10W		R1128	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1064	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1129	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1065	1-216-809-11	METAL CHIP	100	5%	1/10W		R1130	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1066	1-216-809-11	METAL CHIP	100	5%	1/10W		R1131	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1067	1-216-809-11	METAL CHIP	100	5%	1/10W		R1132	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1068	1-216-801-11	METAL CHIP	22	5%	1/10W		R1133	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1069	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1134	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1070	1-216-864-11	SHORT CHIP	0				R1135	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1071	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1136	1-216-864-11	SHORT CHIP	0			
R1072	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		R1138	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1073	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		R1139	1-216-864-11	SHORT CHIP	0			
R1075	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1140	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W		R1141	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W		R1142	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W		R1143	1-216-864-11	SHORT CHIP	0			
R1079	1-216-801-11	METAL CHIP	22	5%	1/10W		R1144	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1080	1-216-864-11	SHORT CHIP	0				R1145	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1081	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1151	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1082	1-216-841-11	METAL CHIP	47K	5%	1/10W		R1153	1-216-864-11	SHORT CHIP	0			
R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1154	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1084	1-216-864-11	SHORT CHIP	0				R1155	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1085	1-243-227-11	RES-CHIP	0.33	1%	1/8W		R1156	1-216-864-11	SHORT CHIP	0			
R1086	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1157	1-216-864-11	SHORT CHIP	0			
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1158	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1090	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R1093	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1160	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1094	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1095	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1164	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R1168	1-216-809-11	METAL CHIP	100	5%	1/10W	R1426	1-216-809-11	METAL CHIP	100	5%	1/10W
R1169	1-216-809-11	METAL CHIP	100	5%	1/10W	R1436	1-216-809-11	METAL CHIP	100	5%	1/10W
R1174	1-216-809-11	METAL CHIP	100	5%	1/10W	R1446	1-216-809-11	METAL CHIP	100	5%	1/10W
R1175	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1447	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1177	1-216-809-11	METAL CHIP	100	5%	1/10W	R1450	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1452	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1454	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1457	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1459	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1183	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1465	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1184	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1466	1-216-809-11	METAL CHIP	100	5%	1/10W
R1185	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1468	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1470	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1188	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1476	1-216-809-11	METAL CHIP	100	5%	1/10W
R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1486	1-216-809-11	METAL CHIP	100	5%	1/10W
R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1487	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1490	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1491	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1194	1-216-864-11	SHORT CHIP	0			R1492	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1196	1-216-809-11	METAL CHIP	100	5%	1/10W	R1493	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1197	1-216-809-11	METAL CHIP	100	5%	1/10W	R1494	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1199	1-216-809-11	METAL CHIP	100	5%	1/10W	R1495	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1508	1-216-864-11	SHORT CHIP	0		
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1509	1-216-864-11	SHORT CHIP	0		
R1304	1-216-813-11	METAL CHIP	220	5%	1/10W	R1510	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1305	1-216-817-11	METAL CHIP	470	5%	1/10W	R1511	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W	R1512	1-216-813-11	METAL CHIP	220	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W	R1513	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W	R1514	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W	R1515	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W	R1516	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W	R1556	1-216-815-11	METAL CHIP	330	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W	R1557	1-216-809-11	METAL CHIP	100	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1607	1-216-809-11	METAL CHIP	100	5%	1/10W
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W	R1609	1-216-817-11	METAL CHIP	470	5%	1/10W
R1317	1-216-864-11	SHORT CHIP	0			R1618	1-216-817-11	METAL CHIP	470	5%	1/10W
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1319	1-216-817-11	METAL CHIP	470	5%	1/10W	R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1320	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1671	1-216-864-11	SHORT CHIP	0		
R1321	1-216-864-11	SHORT CHIP	0			R1801	1-216-809-11	METAL CHIP	100	5%	1/10W
R1322	1-216-809-11	METAL CHIP	100	5%	1/10W	R1802	1-216-809-11	METAL CHIP	100	5%	1/10W
R1324	1-216-809-11	METAL CHIP	100	5%	1/10W	R1804	1-216-809-11	METAL CHIP	100	5%	1/10W
R1325	1-216-864-11	SHORT CHIP	0			R1806	1-216-809-11	METAL CHIP	100	5%	1/10W
R1351	1-216-809-11	METAL CHIP	100	5%	1/10W	R1807	1-216-809-11	METAL CHIP	100	5%	1/10W
R1352	1-216-809-11	METAL CHIP	100	5%	1/10W	R1808	1-216-809-11	METAL CHIP	100	5%	1/10W
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W	R1809	1-216-809-11	METAL CHIP	100	5%	1/10W
R1356	1-216-821-11	METAL CHIP	1K	5%	1/10W	< VIBRATOR >					
R1357	1-216-837-11	METAL CHIP	22K	5%	1/10W	X1300	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			
R1358	1-216-854-11	METAL CHIP	560K	5%	1/10W	X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)			
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W	X1302	1-795-807-11	VIBRATOR, CRYSTAL (25MHz)			
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W	*****					
R1361	1-216-864-11	SHORT CHIP	0								
R1362	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1363	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1364	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1367	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1416	1-216-809-11	METAL CHIP	100	5%	1/10W						

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DISPLAY HDMI RE

Ref. No.	Part No.	Description	Remark			
	A-1225-211-A	DISPLAY BOARD, COMPLETE	*****			
		< CAPACITOR >				
C110	1-162-286-31	CERAMIC	220PF	10%	50V	
C111	1-162-286-31	CERAMIC	220PF	10%	50V	
C112	1-162-286-31	CERAMIC	220PF	10%	50V	
C114	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C115	1-126-964-11	ELECT	10uF	20%	50V	
C144	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C145	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C147	1-162-286-31	CERAMIC	220PF	10%	50V	
C148	1-126-964-11	ELECT	10uF	20%	50V	
C149	1-162-286-31	CERAMIC	220PF	10%	50V	
C160	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C162	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C164	1-162-286-31	CERAMIC	220PF	10%	50V	
C165	1-126-964-11	ELECT	10uF	20%	50V	
		< CONNECTOR >				
* CN105	1-691-406-11	CONNECTOR, BOARD TO BOARD 7P				
CNS102	1-784-788-11	CONNECTOR, FFC 27P				
		< VACUUM FLUORESCENT DISPLAY >				
FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY				
		< IC >				
IC100	8-759-643-83	IC uPD16315GB-3BS				
IC101	8-759-243-51	IC TC74ACT08P				
IC103	6-600-349-31	IC NJL24H400A (IR)				
		< RESISTOR >				
R101	1-249-409-11	CARBON	220	5%	1/4W	
R102	1-249-411-11	CARBON	330	5%	1/4W	
R103	1-249-413-11	CARBON	470	5%	1/4W	
R104	1-249-415-11	CARBON	680	5%	1/4W	
R105	1-247-831-11	CARBON	1K	5%	1/4W	
R106	1-249-419-11	CARBON	1.5K	5%	1/4W	
R107	1-249-421-11	CARBON	2.2K	5%	1/4W	
R108	1-249-409-11	CARBON	220	5%	1/4W	
R109	1-249-411-11	CARBON	330	5%	1/4W	
R110	1-249-413-11	CARBON	470	5%	1/4W	
R115	1-247-807-31	CARBON	100	5%	1/4W	
R116	1-247-807-31	CARBON	100	5%	1/4W	
R117	1-247-807-31	CARBON	100	5%	1/4W	
R118	1-249-440-11	CARBON	82K	5%	1/4W	
R119	1-247-807-31	CARBON	100	5%	1/4W	
R120	1-249-393-11	CARBON	10	5%	1/4W	F
R197	1-249-387-81	CARBON	3.3	5%	1/4W	F
R198	1-249-387-81	CARBON	3.3	5%	1/4W	F
		< ROTARY ENCODER >				
RV101	1-418-817-11	ENCODER, ROTARY (INPUT SELECTOR)				
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE)				
		(MASTER VOLUME)				

Ref. No.	Part No.	Description	Remark			
		< SWITCH >				
S101	1-771-410-21	SWITCH, TACTILE (DIRECT)				
S102	1-771-410-21	SWITCH, TACTILE (AUTO CAL)				
S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)				
S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)				
S105	1-771-410-21	SWITCH, TACTILE (MUSIC)				
S106	1-771-410-21	SWITCH, TACTILE (MOVIE)				
S107	1-771-410-21	SWITCH, TACTILE (A.F.D.)				
S108	1-771-410-21	SWITCH, TACTILE (2CH)				
S109	1-771-410-21	SWITCH, TACTILE (CATEGORY +)				
S110	1-771-410-21	SWITCH, TACTILE (CATEGORY -)				
S111	1-771-410-21	SWITCH, TACTILE (CATEGORY MODE)				
S112	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)				

Ⓔ	A-1253-210-A	HDMI RE BOARD, COMPLETE (for SERVICE)	*****			
		< CAPACITOR >				
C3501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3519	1-126-210-21	ELECT CHIP	220uF	20%	4V	
C3520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3521	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3522	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3526	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3529	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3530	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3535	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3536	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3537	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3538	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
C3539	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3540	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
C3541	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3542	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3543	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C3544	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< CONNECTOR >					
C3545	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	CN3501	1-820-735-11	CONNECTOR, HDMI 19P (HDMI SAT IN)			
C3547	1-100-053-21	ELECT CHIP	220uF	20%	6.3V	CN3502	1-820-735-11	CONNECTOR, HDMI 19P (HDMI DVD IN)			
C3548	1-126-210-21	ELECT CHIP	220uF	20%	4V	CN3503	1-820-735-11	CONNECTOR, HDMI 19P (HDMI VIDEO 2/BD IN)			
C3549	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	CN3504	1-820-735-11	CONNECTOR, HDMI 19P (HDMI OUT)			
C3550	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	CN3509	1-779-993-11	PIN, CONNECTOR (PWB) 5P			
C3551	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	CN3510	1-784-859-51	CONNECTOR, FFC (LIF(NON-ZIF)) 7P			
C3552	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	CN3511	1-820-116-41	CONNECTOR, FFC/FPC 17P			
C3553	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< DIODE >					
C3555	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D3501	8-719-988-61	DIODE 1SS355TE-17			
C3556	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D3502	8-719-988-61	DIODE 1SS355TE-17			
C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D3511	8-719-988-61	DIODE 1SS355TE-17			
C3561	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D3512	8-719-988-61	DIODE 1SS355TE-17			
C3562	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D3513	8-719-988-61	DIODE 1SS355TE-17			
C3563	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< TERMINAL >					
C3564	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	ET3503	1-780-318-11	TERMINAL			
C3566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< FERRITE BEAD >					
C3567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB3501	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB3502	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB3503	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB3504	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3571	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	FB3505	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3572	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	FB3506	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3573	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	FB3508	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3574	1-126-210-21	ELECT CHIP	220uF	20%	4V	FB3509	1-469-152-11	FERRITE, EMI (SMD) (2012)			
C3575	1-100-053-21	ELECT CHIP	220uF	20%	6.3V	FB3510	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3576	1-165-667-21	ELECT CHIP	100uF	20%	6.3V	FB3511	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3579	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	FB3512	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3580	1-165-667-21	ELECT CHIP	100uF	20%	6.3V	FB3513	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3584	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	FB3514	1-414-234-22	INDUCTOR, FERRITE BEAD			
C3585	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	< IC >					
C3586	1-128-995-21	ELECT CHIP	100uF	20%	10V	IC3501	8-759-389-26	IC 74LCX08MTCX			
C3590	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V	IC3503	6-710-819-01	IC TMD5341APFCR			
C3591	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC3504	8-759-596-39	IC SN74LV4052APWR			
C3593	1-128-994-21	ELECT CHIP	47uF	20%	10V	IC3507	6-708-758-01	IC PCA9517DP.118			
C3594	1-128-994-21	ELECT CHIP	47uF	20%	10V	IC3509	6-704-001-01	IC BR24L02F-WE2			
C3596	1-128-994-21	ELECT CHIP	47uF	20%	10V	IC3511	(Not supplied)	IC SII9011CLU			
C3597	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC3513	(Not supplied)	IC SII9030CTU-7			
C3615	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC3516	6-705-337-01	IC TK11150CSCSCL-G			
C3616	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC3519	6-807-228-01	IC M30620FCPGP-RPT02			
C3617	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC3521	8-759-596-39	IC SN74LV4052APWR			
C3618	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC3526	6-707-744-01	IC SI-3033KM-TL			
C3619	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	IC3527	6-707-744-01	IC SI-3033KM-TL			
C3620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC3528	8-759-832-05	IC BA188C0FP-E2			
C3621	1-112-791-11	ELECT CHIP	100uF	20%	16V	< TRANSISTOR >					
C3625	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	Q3504	6-550-014-01	FET SSM6N15FU(TE85R)			
C3627	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	Q3505	8-729-600-22	TRANSISTOR 2SA1235-F			
C3630	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	Q3506	8-729-600-22	TRANSISTOR 2SA1235-F			
C3631	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	Q3507	8-729-600-22	TRANSISTOR 2SA1235-F			
C3632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< RESISTOR >					
C3633	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R3500	1-216-833-11	METAL CHIP 10K 5% 1/10W			
C3634	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C3635	1-126-205-11	ELECT CHIP	47uF	20%	6.3V						
C3643	1-126-205-11	ELECT CHIP	47uF	20%	6.3V						
C3644	1-126-205-11	ELECT CHIP	47uF	20%	6.3V						

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

STR-DG810

HDMI RE

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
R3502	1-216-864-11	SHORT CHIP	0				R3593	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3504	1-216-864-11	SHORT CHIP	0				R3594	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3506	1-216-864-11	SHORT CHIP	0				R3595	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3509	1-216-805-11	METAL CHIP	47	5%	1/10W		R3597	1-216-864-11	SHORT CHIP	0			
R3511	1-216-841-11	METAL CHIP	47K	5%	1/10W		R3598	1-216-864-11	SHORT CHIP	0			
R3512	1-216-805-11	METAL CHIP	47	5%	1/10W		R3599	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R3513	1-216-841-11	METAL CHIP	47K	5%	1/10W		R3600	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R3514	1-216-841-11	METAL CHIP	47K	5%	1/10W		R3601	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3519	1-216-864-11	SHORT CHIP	0				R3602	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3521	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3603	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3524	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3604	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3525	1-218-844-11	METAL CHIP	750	0.5%	1/10W		R3605	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3526	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W		R3608	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3527	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3609	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3528	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3610	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3532	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3611	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3533	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3612	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3534	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3613	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3535	1-216-864-11	SHORT CHIP	0				R3614	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3536	1-216-864-11	SHORT CHIP	0				R3615	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3541	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3616	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3542	1-216-864-11	SHORT CHIP	0				R3621	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3544	1-216-805-11	METAL CHIP	47	5%	1/10W		R3622	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3545	1-216-805-11	METAL CHIP	47	5%	1/10W		R3623	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3546	1-216-857-11	METAL CHIP	1M	5%	1/10W		R3624	1-216-801-11	METAL CHIP	22	5%	1/10W	
R3548	1-216-803-11	METAL CHIP	33	5%	1/10W		R3625	1-216-801-11	METAL CHIP	22	5%	1/10W	
R3549	1-216-809-11	METAL CHIP	100	5%	1/10W		R3633	1-216-864-11	SHORT CHIP	0			
R3550	1-216-809-11	METAL CHIP	100	5%	1/10W		R3634	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3551	1-216-809-11	METAL CHIP	100	5%	1/10W		R3639	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R3552	1-216-809-11	METAL CHIP	100	5%	1/10W		R3642	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R3554	1-216-809-11	METAL CHIP	100	5%	1/10W		R3645	1-216-809-11	METAL CHIP	100	5%	1/10W	
R3556	1-216-809-11	METAL CHIP	100	5%	1/10W		R3652	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R3557	1-216-805-11	METAL CHIP	47	5%	1/10W		R3653	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R3558	1-216-864-11	SHORT CHIP	0				R3654	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R3562	1-216-864-11	SHORT CHIP	0				R3655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R3563	1-216-809-11	METAL CHIP	100	5%	1/10W		R3660	1-216-864-11	SHORT CHIP	0			
R3564	1-218-285-11	METAL CHIP	75	5%	1/10W		R3661	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R3565	1-216-805-11	METAL CHIP	47	5%	1/10W		R3662	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R3566	1-218-285-11	METAL CHIP	75	5%	1/10W		R3663	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R3567	1-218-285-11	METAL CHIP	75	5%	1/10W		R3676	1-216-809-11	METAL CHIP	100	5%	1/10W	
R3570	1-216-809-11	METAL CHIP	100	5%	1/10W		R3700	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3576	1-216-805-11	METAL CHIP	47	5%	1/10W		R3711	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R3577	1-216-805-11	METAL CHIP	47	5%	1/10W		R3712	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R3578	1-216-809-11	METAL CHIP	100	5%	1/10W		R3713	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R3579	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3714	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R3580	1-218-839-11	METAL CHIP	470	0.5%	1/10W		R3715	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R3581	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3716	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R3582	1-216-793-11	METAL CHIP	4.7	5%	1/10W		R3741	1-216-817-11	METAL CHIP	470	5%	1/10W	
R3583	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R3744	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3584	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R3745	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3585	1-216-864-11	SHORT CHIP	0				R3747	1-216-864-11	SHORT CHIP	0			
R3586	1-216-864-11	SHORT CHIP	0				R3748	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R3587	1-216-864-11	SHORT CHIP	0				R3749	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R3588	1-216-864-11	SHORT CHIP	0				R3750	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3589	1-216-864-11	SHORT CHIP	0				R3775	1-216-797-11	METAL CHIP	10	5%	1/10W	
R3590	1-216-864-11	SHORT CHIP	0				R3776	1-216-797-11	METAL CHIP	10	5%	1/10W	
R3591	1-216-864-11	SHORT CHIP	0				R3779	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3592	1-216-864-11	SHORT CHIP	0				R3780	1-216-805-11	METAL CHIP	47	5%	1/10W	

HDMI RE

HEADPHONE

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R3784	1-216-864-11	SHORT CHIP	0			C471	1-126-963-11	ELECT	4.7uF	20%	50V
R3788	1-216-864-11	SHORT CHIP	0			C481	1-126-964-11	ELECT	10uF	20%	50V
R3790	1-216-833-11	METAL CHIP	10K	5%	1/10W	C484	1-126-964-11	ELECT	10uF	20%	50V
R3791	1-216-833-11	METAL CHIP	10K	5%	1/10W	C485	1-126-964-11	ELECT	10uF	20%	50V
R3793	1-216-833-11	METAL CHIP	10K	5%	1/10W	C488	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R3796	1-216-833-11	METAL CHIP	10K	5%	1/10W	C490	1-126-964-11	ELECT	10uF	20%	50V
R3797	1-216-833-11	METAL CHIP	10K	5%	1/10W	C492	1-126-964-11	ELECT	10uF	20%	50V
R3798	1-216-864-11	SHORT CHIP	0			C493	1-126-964-11	ELECT	10uF	20%	50V
R3799	1-216-805-11	METAL CHIP	47	5%	1/10W	C495	1-126-964-11	ELECT	10uF	20%	50V
		< NETWORK RESISTOR >				C501	1-126-963-11	ELECT	4.7uF	20%	50V
RB3501	1-234-723-11	RES, NETWORK 75X4 (1005)				C503	1-165-722-11	ELECT	100uF	20%	10V
RB3502	1-234-723-11	RES, NETWORK 75X4 (1005)				C504	1-107-583-11	CERAMIC	3PF	0.25PF	500V
RB3503	1-234-723-11	RES, NETWORK 75X4 (1005)				C505	1-102-233-00	CERAMIC	33PF	10%	500V
RB3504	1-234-723-11	RES, NETWORK 75X4 (1005)				C506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
RB3505	1-234-723-11	RES, NETWORK 75X4 (1005)				C507	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
RB3506	1-234-723-11	RES, NETWORK 75X4 (1005)				C510	1-126-947-11	ELECT	47uF	20%	35V
		< VIBRATOR >				C511	1-136-157-00	FILM	0.022uF	5%	50V
X3501	1-813-570-21	VIBRATOR, CRYSTAL (28.322MHz)				C516	1-162-815-11	CERAMIC	47PF	5%	500V
X3502	1-795-244-11	VIBRATOR, CERAMIC (10MHz)				C517	1-162-815-11	CERAMIC	47PF	5%	500V
*****						C519	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
		HEADPHONE BOARD				C531	1-136-157-00	FILM	0.022uF	5%	50V
		*****				C539	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
		< CAPACITOR >				C540	1-126-964-11	ELECT	10uF	20%	50V
C790	1-127-888-11	CERAMIC	0.1uF	10%	50V	C541	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C791	1-127-888-11	CERAMIC	0.1uF	10%	50V	C553	1-165-722-11	ELECT	100uF	20%	10V
		< CONNECTOR >				C554	1-107-583-11	CERAMIC	3PF	0.25PF	500V
* CNP790	1-564-508-11	PLUG, CONNECTOR 5P				C561	1-126-963-11	ELECT	4.7uF	20%	50V
		< JACK >				C565	1-102-233-00	CERAMIC	33PF	10%	500V
J790	1-815-314-21	JACK (PHONES)				C566	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		< LEAD WIRE >				C567	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
* TP790	1-690-880-31	LEAD (WITH CONNECTOR)				C570	1-126-947-11	ELECT	47uF	20%	35V
*****						C576	1-162-815-11	CERAMIC	47PF	5%	500V
A-1224-709-A	MAIN BOARD, COMPLETE					C577	1-162-815-11	CERAMIC	47PF	5%	500V
	*****					C580	1-126-964-11	ELECT	10uF	20%	50V
7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3					C581	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CAPACITOR >				C601	1-126-963-11	ELECT	4.7uF	20%	50V
C400	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C603	1-165-722-11	ELECT	100uF	20%	10V
C403	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C408	1-126-963-11	ELECT	4.7uF	20%	50V	C605	1-102-233-00	CERAMIC	33PF	10%	500V
C409	1-126-963-11	ELECT	4.7uF	20%	50V	C606	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C444	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C607	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C453	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C610	1-126-947-11	ELECT	47uF	20%	35V
C458	1-126-963-11	ELECT	4.7uF	20%	50V	C611	1-136-157-00	FILM	0.022uF	5%	50V
C459	1-126-963-11	ELECT	4.7uF	20%	50V	C619	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C463	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C620	1-162-815-11	CERAMIC	47PF	5%	500V
C464	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C621	1-162-815-11	CERAMIC	47PF	5%	500V
C468	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C640	1-126-964-11	ELECT	10uF	20%	50V
C469	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C642	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
						C651	1-126-963-11	ELECT	4.7uF	20%	50V
						C653	1-165-722-11	ELECT	100uF	20%	10V
						C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
						C655	1-102-233-00	CERAMIC	33PF	10%	500V
						C656	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
						C657	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
						C660	1-126-947-11	ELECT	47uF	20%	35V
						C661	1-136-157-00	FILM	0.022uF	5%	50V
						C666	1-162-815-11	CERAMIC	47PF	5%	500V
						C669	1-162-815-11	CERAMIC	47PF	5%	500V

MAIN

Ref. No.	Part No.	Description	Remark		
C670	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C680	1-126-964-11	ELECT	10uF	20%	50V
C681	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C691	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C701	1-126-963-11	ELECT	4.7uF	20%	50V
C702	1-126-964-11	ELECT	10uF	20%	50V
C703	1-165-722-11	ELECT	100uF	20%	10V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C706	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C707	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C710	1-126-947-11	ELECT	47uF	20%	35V
C711	1-136-157-00	FILM	0.022uF	5%	50V
C716	1-162-815-11	CERAMIC	47PF	5%	500V
C717	1-162-815-11	CERAMIC	47PF	5%	500V
C720	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C721	1-126-923-11	ELECT	220uF	20%	10V
C722	1-126-964-11	ELECT	10uF	20%	50V
C732	1-128-582-11	ELECT	10uF	20%	100V
C733	1-128-582-11	ELECT	10uF	20%	100V
C740	1-126-964-11	ELECT	10uF	20%	50V
C741	1-128-579-11	ELECT	2.2uF	20%	100V
C742	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C743	1-128-579-11	ELECT	2.2uF	20%	100V
C744	1-128-579-11	ELECT	2.2uF	20%	100V
C750	1-126-964-11	ELECT	10uF	20%	50V
C751	1-126-963-11	ELECT	4.7uF	20%	50V
C752	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C753	1-165-722-11	ELECT	100uF	20%	10V
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C756	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C757	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C760	1-126-947-11	ELECT	47uF	20%	35V
C761	1-136-157-00	FILM	0.022uF	5%	50V
C762	1-126-964-11	ELECT	10uF	20%	50V
C766	1-162-815-11	CERAMIC	47PF	5%	500V
C767	1-162-815-11	CERAMIC	47PF	5%	500V
C770	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C791	1-126-923-11	ELECT	220uF	20%	10V
C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-126-947-11	ELECT	47uF	20%	35V
C803	1-109-932-14	ELECT(BLOCK)	0.01F	20%	71V
C804	1-109-932-14	ELECT(BLOCK)	0.01F	20%	71V
C805	1-135-851-21	MYLAR	0.22uF		100V
C806	1-135-851-21	MYLAR	0.22uF		100V
C807	1-126-947-11	ELECT	47uF	20%	35V
C808	1-126-947-11	ELECT	47uF	20%	35V
C809	1-100-623-11	CERAMIC CHIP	0.1uF	10%	100V
C810	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C811	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C822	1-126-947-11	ELECT	47uF	20%	35V
C830	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C831	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C832	1-126-936-11	ELECT	3300uF	20%	16V
C3022	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3024	1-126-963-11	ELECT	4.7uF	20%	50V
C3025	1-164-156-11	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description	Remark		
C3026	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3027	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3032	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3034	1-126-963-11	ELECT	4.7uF	20%	50V
C3037	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
< CONNECTOR >					
CN500	1-573-843-11	CONNECTOR, BOARD TO BOARD	11P		
CN504	1-784-766-11	CONNECTOR, FFC	5P		
CN506	1-779-978-11	PIN, CONNECTOR	3P		
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD	15P		
* CNP503	1-564-506-11	PLUG, CONNECTOR	3P		
* CNP507	1-564-507-11	PLUG, CONNECTOR	4P		
* CNP801	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH)	5P		
* CNP802	1-564-509-11	PLUG, CONNECTOR	6P		
* CNP912	1-564-506-11	PLUG, CONNECTOR	3P		
< DIODE >					
D505	6-501-193-01	DIODE	1SS355WTE-17		
D540	6-501-193-01	DIODE	1SS355WTE-17		
D560	6-501-193-01	DIODE	1SS355WTE-17		
D580	6-501-193-01	DIODE	1SS355WTE-17		
D585	6-501-193-01	DIODE	1SS355WTE-17		
D605	6-501-193-01	DIODE	1SS355WTE-17		
D610	6-501-193-01	DIODE	1SS355WTE-17		
D611	6-501-193-01	DIODE	1SS355WTE-17		
D640	6-501-193-01	DIODE	1SS355WTE-17		
D665	6-501-193-01	DIODE	1SS355WTE-17		
D680	6-501-193-01	DIODE	1SS355WTE-17		
D690	8-719-083-71	DIODE	UDZSTE-1730B		
D691	6-501-193-01	DIODE	1SS355WTE-17		
D701	6-501-193-01	DIODE	1SS355WTE-17		
D705	6-501-193-01	DIODE	1SS355WTE-17		
D710	6-501-193-01	DIODE	1SS355WTE-17		
D721	6-501-193-01	DIODE	1SS355WTE-17		
D722	6-501-193-01	DIODE	1SS355WTE-17		
D732	6-501-193-01	DIODE	1SS355WTE-17		
D733	6-501-193-01	DIODE	1SS355WTE-17		
D740	6-501-193-01	DIODE	1SS355WTE-17		
D750	6-501-193-01	DIODE	1SS355WTE-17		
D765	6-501-193-01	DIODE	1SS355WTE-17		
D791	6-501-193-01	DIODE	1SS355WTE-17		
D801	8-719-083-85	DIODE	UDZSTE-1722B		
D802	8-719-081-52	DIODE	D5SBA20-4003		
D804	6-500-295-01	DIODE	PTZ-TE25-5.6B		
D805	8-719-053-18	DIODE	1SR154-400TE-25		
D806	8-719-053-18	DIODE	1SR154-400TE-25		
D807	8-719-053-18	DIODE	1SR154-400TE-25		
D808	8-719-053-18	DIODE	1SR154-400TE-25		
D818	6-501-193-01	DIODE	1SS355WTE-17		
D896	8-719-053-18	DIODE	1SR154-400TE-25		
< IC >					
IC401	6-707-362-01	IC	BD3451KS		
IC501	6-700-943-01	IC	uPC2581V-S		
IC601	6-700-943-01	IC	uPC2581V-S		
IC691	8-759-710-97	IC	NJM4565M-D		
IC701	6-700-943-01	IC	uPC2581V-S		

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
IC801	8-759-071-48	IC TA7807S		Q756	8-729-216-31	TRANSISTOR 2SA1163-G	
IC802	8-759-071-47	IC TA79007S		Q790	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
IC3002	8-759-710-97	IC NJM4565M-D		Q793	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
	< JACK >			Q795	8-729-216-31	TRANSISTOR 2SA1163-G	
J309	1-770-377-21	JACK, PIN 1P (SUB WOOFER AUDIO OUT)		Q801	8-729-140-97	TRANSISTOR 2SB734-34	
J402	1-770-614-11	JACK, PIN 4P (VIDEO 1 AUDIO OUT/AUDIO IN)		Q809	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
J403	1-770-614-11	JACK, PIN 4P (SAT AUDIO IN,DVD AUDIO IN)			< RESISTOR >		
J405	1-774-411-11	JACK, PIN 6P (SA-CD/CD/CD-R OUT/IN,TV IN)		R402	1-216-821-11	METAL CHIP 1K 5%	1/10W
	< COIL >			R404	1-216-821-11	METAL CHIP 1K 5%	1/10W
L501	1-420-872-52	COIL, AIR-CORE		R405	1-216-821-11	METAL CHIP 1K 5%	1/10W
L551	1-420-872-52	COIL, AIR-CORE		R406	1-216-821-11	METAL CHIP 1K 5%	1/10W
L601	1-420-872-52	COIL, AIR-CORE		R407	1-216-821-11	METAL CHIP 1K 5%	1/10W
L651	1-420-872-52	COIL, AIR-CORE		R408	1-216-821-11	METAL CHIP 1K 5%	1/10W
L701	1-420-872-52	COIL, AIR-CORE		R409	1-216-821-11	METAL CHIP 1K 5%	1/10W
L751	1-420-872-52	COIL, AIR-CORE		R423	1-216-864-11	SHORT CHIP 0	
	< TRANSISTOR >			R428	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE		R429	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q502	8-729-141-30	TRANSISTOR 2SC3623A-LK		R452	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q505	8-729-216-31	TRANSISTOR 2SA1163-G		R454	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q506	8-729-216-31	TRANSISTOR 2SA1163-G		R455	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q535	8-729-216-31	TRANSISTOR 2SA1163-G		R456	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q536	8-729-216-31	TRANSISTOR 2SA1163-G		R457	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q540	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R458	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q560	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R459	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q571	8-729-119-76	TRANSISTOR 2SA1175-HFE		R468	1-216-845-11	METAL CHIP 100K 5%	1/10W
Q572	8-729-141-30	TRANSISTOR 2SC3623A-LK		R469	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q580	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R470	1-216-841-11	METAL CHIP 47K 5%	1/10W
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE		R471	1-216-841-11	METAL CHIP 47K 5%	1/10W
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK		R472	1-216-841-11	METAL CHIP 47K 5%	1/10W
Q605	8-729-216-31	TRANSISTOR 2SA1163-G		R473	1-216-841-11	METAL CHIP 47K 5%	1/10W
Q606	8-729-216-31	TRANSISTOR 2SA1163-G		R474	1-216-841-11	METAL CHIP 47K 5%	1/10W
Q610	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R475	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q611	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R476	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q612	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R501	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q640	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R502	1-216-843-11	METAL CHIP 68K 5%	1/10W
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE		R503	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK		R505	1-208-826-11	METAL CHIP 68K 0.5%	1/10W
Q655	8-729-216-31	TRANSISTOR 2SA1163-G		R510	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
Q656	8-729-216-31	TRANSISTOR 2SA1163-G		R511	1-216-844-11	METAL CHIP 82K 5%	1/10W
Q680	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R513	1-216-818-11	METAL CHIP 560 5%	1/10W
Q691	8-729-281-53	TRANSISTOR 2SC1815-GR		R514	1-249-399-11	CARBON 33 5%	1/4W F
Q692	8-729-029-40	TRANSISTOR DTA124ESA		R515	1-249-399-11	CARBON 33 5%	1/4W F
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE		R516	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W	
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK		R517	1-249-393-11	CARBON 10 5%	1/4W F
Q705	8-729-216-31	TRANSISTOR 2SA1163-G		R518	1-249-389-11	CARBON 4.7 5%	1/4W F
Q706	8-729-216-31	TRANSISTOR 2SA1163-G		R520	1-216-214-00	RES-CHIP 4.7K 2%	1/8W
Q710	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R521	1-240-855-11	CARBON 6.2K 5%	1/4W F
Q722	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R522	1-216-823-11	METAL CHIP 1.5K 5%	1/10W
Q723	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R523	1-216-841-11	METAL CHIP 47K 5%	1/10W
Q725	8-729-216-31	TRANSISTOR 2SA1163-G		R524	1-216-835-11	METAL CHIP 15K 5%	1/10W
Q740	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R525	1-216-843-11	METAL CHIP 68K 5%	1/10W
Q750	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R526	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W	
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE		R530	1-216-214-00	RES-CHIP 4.7K 2%	1/8W
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK		R531	1-240-855-11	CARBON 6.2K 5%	1/4W F
Q755	8-729-216-31	TRANSISTOR 2SA1163-G		R532	1-216-833-11	METAL CHIP 10K 5%	1/10W
				R533	1-216-841-11	METAL CHIP 47K 5%	1/10W
				R534	1-216-835-11	METAL CHIP 15K 5%	1/10W

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Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R535	1-216-843-11	METAL CHIP	68K	5%	1/10W	R661	1-216-844-11	METAL CHIP	82K	5%	1/10W
R537	1-249-393-11	CARBON	10	5%	1/4W F	R663	1-216-818-11	METAL CHIP	560	5%	1/10W
R540	1-216-837-11	METAL CHIP	22K	5%	1/10W	R664	1-249-399-11	CARBON	33	5%	1/4W F
R546	1-216-835-11	METAL CHIP	15K	5%	1/10W	R665	1-249-399-11	CARBON	33	5%	1/4W F
R553	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R666	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W	
R554	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	R667	1-249-393-11	CARBON	10	5%	1/4W F
R555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R668	1-249-389-11	CARBON	4.7	5%	1/4W F
R556	1-216-841-11	METAL CHIP	47K	5%	1/10W	R669	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R557	1-216-835-11	METAL CHIP	15K	5%	1/10W	R671	1-240-855-11	CARBON	6.2K	5%	1/4W F
R561	1-216-821-11	METAL CHIP	1K	5%	1/10W	R672	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R562	1-216-843-11	METAL CHIP	68K	5%	1/10W	R673	1-216-841-11	METAL CHIP	47K	5%	1/10W
R568	1-249-389-11	CARBON	4.7	5%	1/4W F	R674	1-216-835-11	METAL CHIP	15K	5%	1/10W
R570	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R675	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R571	1-216-844-11	METAL CHIP	82K	5%	1/10W	R676	1-216-841-11	METAL CHIP	47K	5%	1/10W
R572	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R677	1-216-835-11	METAL CHIP	15K	5%	1/10W
R573	1-216-841-11	METAL CHIP	47K	5%	1/10W	R680	1-216-837-11	METAL CHIP	22K	5%	1/10W
R574	1-249-399-11	CARBON	33	5%	1/4W F	R681	1-216-835-11	METAL CHIP	15K	5%	1/10W
R575	1-249-399-11	CARBON	33	5%	1/4W F	R690	1-216-849-11	METAL CHIP	220K	5%	1/10W
R576	1-216-818-11	METAL CHIP	560	5%	1/10W	△ R691	1-215-886-11	METAL OXIDE	100	5%	2W F
R580	1-216-837-11	METAL CHIP	22K	5%	1/10W	△ R692	1-215-889-00	METAL OXIDE	330	5%	2W F
R585	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R693	1-216-833-11	METAL CHIP	10K	5%	1/10W
R586	1-216-841-11	METAL CHIP	47K	5%	1/10W	R694	1-216-833-11	METAL CHIP	10K	5%	1/10W
R587	1-216-835-11	METAL CHIP	15K	5%	1/10W	R695	1-216-833-11	METAL CHIP	10K	5%	1/10W
R588	1-216-835-11	METAL CHIP	15K	5%	1/10W	R696	1-216-841-11	METAL CHIP	47K	5%	1/10W
R601	1-216-821-11	METAL CHIP	1K	5%	1/10W	R698	1-216-833-11	METAL CHIP	10K	5%	1/10W
R602	1-216-843-11	METAL CHIP	68K	5%	1/10W	R699	1-216-853-11	METAL CHIP	470K	5%	1/10W
R603	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R701	1-216-821-11	METAL CHIP	1K	5%	1/10W
R604	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	R702	1-216-843-11	METAL CHIP	68K	5%	1/10W
R610	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R703	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R611	1-216-844-11	METAL CHIP	82K	5%	1/10W	R704	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R613	1-216-818-11	METAL CHIP	560	5%	1/10W	R710	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R614	1-249-399-11	CARBON	33	5%	1/4W F	R711	1-216-844-11	METAL CHIP	82K	5%	1/10W
R615	1-249-399-11	CARBON	33	5%	1/4W F	R713	1-216-818-11	METAL CHIP	560	5%	1/10W
R616	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W		R714	1-249-399-11	CARBON	33	5%	1/4W F
R617	1-249-393-11	CARBON	10	5%	1/4W F	R715	1-249-399-11	CARBON	33	5%	1/4W F
R618	1-249-389-11	CARBON	4.7	5%	1/4W F	R716	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W	
R620	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	R717	1-249-393-11	CARBON	10	5%	1/4W F
R621	1-240-855-11	CARBON	6.2K	5%	1/4W F	R718	1-249-389-11	CARBON	4.7	5%	1/4W F
R622	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R719	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R623	1-216-841-11	METAL CHIP	47K	5%	1/10W	R721	1-240-855-11	CARBON	6.2K	5%	1/4W F
R624	1-216-835-11	METAL CHIP	15K	5%	1/10W	R722	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R625	1-216-843-11	METAL CHIP	68K	5%	1/10W	R723	1-216-841-11	METAL CHIP	47K	5%	1/10W
R631	1-216-821-11	METAL CHIP	1K	5%	1/10W	R724	1-216-835-11	METAL CHIP	15K	5%	1/10W
R632	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R725	1-216-843-11	METAL CHIP	68K	5%	1/10W
R633	1-216-821-11	METAL CHIP	1K	5%	1/10W	R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R634	1-249-404-00	CARBON	82	5%	1/4W F	R732	1-249-381-11	CARBON	1	5%	1/4W F
R635	1-249-404-00	CARBON	82	5%	1/4W F	R733	1-249-381-11	CARBON	1	5%	1/4W F
R638	1-216-843-11	METAL CHIP	68K	5%	1/10W	R734	1-249-404-00	CARBON	82	5%	1/4W F
R640	1-216-837-11	METAL CHIP	22K	5%	1/10W	R735	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R648	1-216-835-11	METAL CHIP	15K	5%	1/10W	R736	1-216-821-11	METAL CHIP	1K	5%	1/10W
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W	R737	1-216-840-11	METAL CHIP	39K	5%	1/10W
R652	1-216-843-11	METAL CHIP	68K	5%	1/10W	R738	1-249-404-00	CARBON	82	5%	1/4W F
R653	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R740	1-216-837-11	METAL CHIP	22K	5%	1/10W
R654	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	R741	1-216-230-00	RES-CHIP	22K	2%	1/8W
R655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R743	1-216-230-00	RES-CHIP	22K	2%	1/8W
R656	1-216-841-11	METAL CHIP	47K	5%	1/10W	R744	1-216-230-00	RES-CHIP	22K	2%	1/8W
R657	1-216-835-11	METAL CHIP	15K	5%	1/10W	R745	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R660	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R746	1-216-841-11	METAL CHIP	47K	5%	1/10W

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STANDBY

VIDEO

Ref. No.	Part No.	Description	Remark			
< DIODE >						
D901	8-719-991-33	DIODE 1SS133T-77				
D910	8-719-043-76	DIODE AK04V0				
D911	8-719-043-76	DIODE AK04V0				
D912	8-719-043-76	DIODE AK04V0				
D913	8-719-043-76	DIODE AK04V0				
D914	8-719-991-33	DIODE 1SS133T-77				
D915	8-719-991-33	DIODE 1SS133T-77				
D920	6-500-522-11	DIODE 10EDB40-TA2B5				
D921	6-500-522-11	DIODE 10EDB40-TA2B5				
D922	6-500-522-11	DIODE 10EDB40-TA2B5				
D923	6-500-522-11	DIODE 10EDB40-TA2B5				
D924	8-719-043-76	DIODE AK04V0				
< GROUND TERMINAL >						
G901	1-537-738-21	TERMINAL, GROUND				
< AC OUTLET >						
△ J911	1-785-834-11	OUTLET, AC (1P) (AC OUTLET)				
< TRANSISTOR >						
Q901	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q921	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q922	8-729-140-93	TRANSISTOR 2SB733-34				
Q923	8-729-119-79	TRANSISTOR 2SC2785-FEK				
< RESISTOR >						
△ R810	1-243-634-91	FUSIBLE	0.22	5%	1/2W	F
△ R811	1-243-634-91	FUSIBLE	0.22	5%	1/2W	F
△ R901	1-219-237-91	SOLID	3.3M	20%	1/2W	F
R902	1-247-871-11	CARBON	47K	5%	1/4W	
R903	1-249-421-11	CARBON	2.2K	5%	1/4W	
R904	1-249-381-11	CARBON	1	5%	1/4W	F
R920	1-249-421-11	CARBON	2.2K	5%	1/4W	
R921	1-247-871-11	CARBON	47K	5%	1/4W	
R922	1-247-863-11	CARBON	22K	5%	1/4W	
R923	1-249-429-11	CARBON	10K	5%	1/4W	
< RELAY >						
△ RY901	1-755-541-11	RELAY				
< TRANSFORMER >						
△ T903	1-437-312-11	TRANSFORMER, POWER (SUB)				

VIDEO BOARD						

< CAPACITOR >						
C206	1-126-964-11	ELECT	10uF	20%	50V	
C207	1-126-964-11	ELECT	10uF	20%	50V	
C208	1-126-964-11	ELECT	10uF	20%	50V	
C209	1-126-964-11	ELECT	10uF	20%	50V	
C210	1-126-947-11	ELECT	47uF	20%	35V	
C213	1-126-947-11	ELECT	47uF	20%	35V	
C214	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C215	1-127-888-11	CERAMIC	0.1uF	10%	50V	

Ref. No.	Part No.	Description			Remark
C220	1-126-947-11	ELECT	47uF	20%	35V
C221	1-126-947-11	ELECT	47uF	20%	35V
C223	1-135-799-11	CERAMIC	0.47uF		50V
C224	1-135-799-11	CERAMIC	0.47uF		50V
C230	1-128-809-11	CERAMIC	100PF	5%	50V
C231	1-127-888-11	CERAMIC	0.1uF	10%	50V
C308	1-126-964-11	ELECT	10uF	20%	50V
C309	1-126-964-11	ELECT	10uF	20%	50V
C310	1-126-964-11	ELECT	10uF	20%	50V
C311	1-126-964-11	ELECT	10uF	20%	50V
C312	1-126-964-11	ELECT	10uF	20%	50V
C313	1-126-964-11	ELECT	10uF	20%	50V
C314	1-126-964-11	ELECT	10uF	20%	50V
C315	1-126-964-11	ELECT	10uF	20%	50V
C316	1-126-964-11	ELECT	10uF	20%	50V
C330	1-127-888-11	CERAMIC	0.1uF	10%	50V
C331	1-127-888-11	CERAMIC	0.1uF	10%	50V
C337	1-126-947-11	ELECT	47uF	20%	35V
C338	1-126-947-11	ELECT	47uF	20%	35V
C340	1-127-888-11	CERAMIC	0.1uF	10%	50V
< CONNECTOR >					
CNP202	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
* CNP203	1-564-507-11	PLUG, CONNECTOR 4P			
CNS205	1-784-766-11	CONNECTOR, FFC 5P			
< DIODE >					
D203	8-719-991-33	DIODE	1SS133T-77		
D204	8-719-991-33	DIODE	1SS133T-77		
< IC >					
IC203	6-701-890-01	IC	NJM2595D		
IC230	8-759-268-29	IC	SN74HC595ANS		
IC304	6-707-363-01	IC	NJM2586AL		
IC804	8-759-245-79	IC	TA79005S		
IC807	8-759-231-53	IC	TA7805S		
< JACK >					
J200	1-794-978-11	JACK, PIN 3P (SAT VIDEO IN,	DVD VIDEO IN,VIDEO 1 VIDEO OUT)		
J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN,	MONITOR VIDEO OUT)		
J301	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO	SAT IN,DVD IN,VIDEO 1 IN)		
J302	1-815-360-11	JACK, PIN 3P (COMPONENT VIDEO	MONITOR OUT)		
< RESISTOR >					
R200	1-247-804-11	CARBON	75	5%	1/4W
R201	1-247-804-11	CARBON	75	5%	1/4W
R218	1-247-804-11	CARBON	75	5%	1/4W
R219	1-247-804-11	CARBON	75	5%	1/4W
R220	1-247-804-11	CARBON	75	5%	1/4W
R221	1-247-804-11	CARBON	75	5%	1/4W
R230	1-247-807-31	CARBON	100	5%	1/4W
R231	1-247-807-31	CARBON	100	5%	1/4W
R232	1-247-807-31	CARBON	100	5%	1/4W
R233	1-247-807-31	CARBON	100	5%	1/4W
R234	1-247-807-31	CARBON	100	5%	1/4W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R235	1-247-807-31	CARBON	100	5%	1/4W	C118	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
R236	1-247-807-31	CARBON	100	5%	1/4W	C119	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R301	1-247-804-11	CARBON	75	5%	1/4W	C120	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
R302	1-247-804-11	CARBON	75	5%	1/4W	C121	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R303	1-247-804-11	CARBON	75	5%	1/4W	C122	1-112-100-11	ELECT	10uF	20%	50V
R304	1-247-804-11	CARBON	75	5%	1/4W	C123	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R305	1-247-804-11	CARBON	75	5%	1/4W	C124	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R306	1-247-804-11	CARBON	75	5%	1/4W	C125	1-112-100-11	ELECT	10uF	20%	50V
R307	1-247-804-11	CARBON	75	5%	1/4W	C126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R308	1-247-804-11	CARBON	75	5%	1/4W	C127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R309	1-247-804-11	CARBON	75	5%	1/4W	C128	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
R310	1-247-804-11	CARBON	75	5%	1/4W	C129	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
R311	1-247-804-11	CARBON	75	5%	1/4W	C130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R312	1-247-804-11	CARBON	75	5%	1/4W	C131	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
*****						C132	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
VIDEO 3 BOARD						C133	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
*****						C134	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
< CAPACITOR >						C135	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C293	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C136	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C294	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C137	1-126-964-11	ELECT	10uF	20%	50V
C298	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C138	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C299	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C139	1-126-964-11	ELECT	10uF	20%	50V
< CONNECTOR >						C140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
CN201	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P				C142	1-126-964-11	ELECT	10uF	20%	50V
* CN202	1-690-880-31	LEAD (WITH CONNECTOR)				C143	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
< JACK >						C144	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
J298	1-819-187-11	JACK, PIN 3P (VIDEO 3 IN/PORTABLE AV IN VIDEO,AUDIO)				C145	1-126-933-11	ELECT	100uF	20%	16V
< RESISTOR >						C153	1-126-933-11	ELECT	100uF	20%	16V
R298	1-216-821-11	METAL CHIP	1K	5%	1/10W	C157	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
R299	1-216-821-11	METAL CHIP	1K	5%	1/10W	C159	1-137-649-31	ELECT	220uF	20%	10V
*****						C161	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
A-1222-793-A XM BOARD, COMPLETE						C163	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
*****						C164	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
< CAPACITOR >						C165	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C101	1-137-649-31	ELECT	220uF	20%	10V	C166	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C102	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C167	1-216-864-11	SHORT CHIP	0		
C103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C168	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C104	1-112-100-11	ELECT	10uF	20%	50V	C169	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C105	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< CONNECTOR >					
C106	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	CN101	1-568-828-11	CONNECTOR, FFC 9P			
C107	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	CN102	1-784-766-11	CONNECTOR, FFC 5P			
C108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	CNP103	1-779-978-11	PIN, CONNECTOR 3P			
C109	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	< DIODE >					
C110	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D101	6-500-462-01	DIODE NSAD500F-T1B			
C111	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D103	8-719-083-02	DIODE KDS160-RTK			
C112	1-216-864-11	SHORT CHIP	0			< FERRITE BEAD >					
C113	1-126-964-11	ELECT	10uF	20%	50V	FB101	1-469-152-11	FERRITE, EMI (SMD) (2012)			
C114	1-216-864-11	SHORT CHIP	0			FB104	1-469-152-11	FERRITE, EMI (SMD) (2012)			
C115	1-216-864-11	SHORT CHIP	0			< IC >					
C116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC101	6-705-468-01	IC BA33BC0FP-E2			
C117	1-216-864-11	SHORT CHIP	0			IC102	6-709-251-01	IC F2602E-01-TR			
						IC104	8-759-710-97	IC NJM4565M-D			
						IC105	6-707-111-01	IC PCM1753DBQR			
						IC106	6-707-802-01	IC BA00CC0WT(-V5)			



Ref. No.	Part No.	Description	Remark		
IC107	6-705-469-01	IC BA50BC0FP-E2			
< CONNECTOR >					
J101	1-793-642-21	CONNECTOR (USB) (4P), SQUARE (XM)			
< JUMPER RESISTOR >					
JR101	1-216-296-11	SHORT CHIP	0		
L101	1-216-295-11	SHORT CHIP	0		
L102	1-216-295-11	SHORT CHIP	0		
< TRANSISTOR >					
Q105	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q106	8-729-140-93	TRANSISTOR	2SB733-34		
< RESISTOR >					
R101	1-216-845-11	METAL CHIP	100K	5%	1/10W
R102	1-216-845-11	METAL CHIP	100K	5%	1/10W
R103	1-216-833-11	METAL CHIP	10K	5%	1/10W
R104	1-216-833-11	METAL CHIP	10K	5%	1/10W
R107	1-216-809-11	METAL CHIP	100	5%	1/10W
R108	1-216-809-11	METAL CHIP	100	5%	1/10W
R109	1-216-841-11	METAL CHIP	47K	5%	1/10W
R110	1-216-809-11	METAL CHIP	100	5%	1/10W
R112	1-216-833-11	METAL CHIP	10K	5%	1/10W
R113	1-216-864-11	SHORT CHIP	0		
R115	1-216-833-11	METAL CHIP	10K	5%	1/10W
R116	1-216-833-11	METAL CHIP	10K	5%	1/10W
R117	1-216-809-11	METAL CHIP	100	5%	1/10W
R118	1-216-841-11	METAL CHIP	47K	5%	1/10W
R119	1-216-841-11	METAL CHIP	47K	5%	1/10W
R120	1-216-834-11	METAL CHIP	12K	5%	1/10W
R121	1-216-841-11	METAL CHIP	47K	5%	1/10W
R122	1-216-841-11	METAL CHIP	47K	5%	1/10W
R123	1-216-819-11	METAL CHIP	680	5%	1/10W
R124	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R125	1-216-813-11	METAL CHIP	220	5%	1/10W
R126	1-216-845-11	METAL CHIP	100K	5%	1/10W
R127	1-216-809-11	METAL CHIP	100	5%	1/10W
R128	1-216-845-11	METAL CHIP	100K	5%	1/10W
R129	1-216-809-11	METAL CHIP	100	5%	1/10W
R130	1-216-809-11	METAL CHIP	100	5%	1/10W
R131	1-216-809-11	METAL CHIP	100	5%	1/10W
R132	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R133	1-216-819-11	METAL CHIP	680	5%	1/10W
R134	1-216-809-11	METAL CHIP	100	5%	1/10W
R135	1-216-864-11	SHORT CHIP	0		
R137	1-216-834-11	METAL CHIP	12K	5%	1/10W
R138	1-216-821-11	METAL CHIP	1K	5%	1/10W
R143	1-216-809-11	METAL CHIP	100	5%	1/10W
R144	1-216-821-11	METAL CHIP	1K	5%	1/10W
R145	1-216-841-11	METAL CHIP	47K	5%	1/10W
R146	1-216-841-11	METAL CHIP	47K	5%	1/10W
R147	1-216-833-11	METAL CHIP	10K	5%	1/10W
R152	1-216-809-11	METAL CHIP	100	5%	1/10W
R154	1-216-809-11	METAL CHIP	100	5%	1/10W
R156	1-216-811-11	METAL CHIP	150	5%	1/10W
R158	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R160	1-216-864-11	SHORT CHIP	0		
R162	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R163	1-218-344-11	METAL CHIP	7.5K	5%	1/10W
R170	1-216-864-11	SHORT CHIP	0		
R171	1-216-864-11	SHORT CHIP	0		
R172	1-216-864-11	SHORT CHIP	0		
R173	1-216-864-11	SHORT CHIP	0		
R174	1-216-819-11	METAL CHIP	680	5%	1/10W
R176	1-216-833-11	METAL CHIP	10K	5%	1/10W
< VIBRATOR >					
X101	1-760-841-11	VIBRATOR, CRYSTAL (45.158MHz)			

MISCELLANEOUS					

57	1-829-042-11	WIRE (FLAT TYPE) (27 CORE)			
101	1-828-953-11	WIRE (FLAT TYPE) (9 CORE)			
102	1-828-957-11	WIRE (FLAT TYPE) (9 CORE)			
104	1-828-937-11	WIRE (FLAT TYPE) (5 CORE)			
105	1-828-936-11	WIRE (FLAT TYPE) (5 CORE)			
106	1-828-349-51	WIRE (FLAT TYPE) (17 CORE)			
△ 109	1-783-820-11	CORD, POWER			
△ F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V)			
△ F902	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (5A/125V)			
△ F4001	1-532-465-33	FUSE (3.15A/250V)			
△ F4002	1-532-465-33	FUSE (3.15A/250V)			
Q503	6-702-390-01	TRANSISTOR	MN2488-OPY-MK		
Q504	6-702-391-01	TRANSISTOR	MP1620-OPY-MK		
Q533	6-702-390-01	TRANSISTOR	MN2488-OPY-MK		
Q534	6-702-391-01	TRANSISTOR	MP1620-OPY-MK		
Q603	6-702-390-01	TRANSISTOR	MN2488-OPY-MK		
Q604	6-702-391-01	TRANSISTOR	MP1620-OPY-MK		
Q653	6-702-390-01	TRANSISTOR	MN2488-OPY-MK		
Q654	6-702-391-01	TRANSISTOR	MP1620-OPY-MK		
Q703	6-702-390-01	TRANSISTOR	MN2488-OPY-MK		
Q704	6-702-391-01	TRANSISTOR	MP1620-OPY-MK		
Q753	6-702-390-01	TRANSISTOR	MN2488-OPY-MK		
Q754	6-702-391-01	TRANSISTOR	MP1620-OPY-MK		
△ T901	1-439-583-11	TRANSFORMER, POWER (MAIN)			
TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA)			

ACCESSORIES					

1-480-100-11	STANDARD COMMANDER (RM-AAP016) (including BATTERY LID)				
1-501-374-12	ANTENNA, LOOP (AM)				
1-542-670-11	MEASUREMENT MIC (MONO) (ECM-AC2)				
1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM)				
2-898-639-11	MANUAL, INSTRUCTION (ENGLISH)				

MEMO

REVISION HISTORY

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