

STR-K7100

SERVICE MANUAL

US Model

Ver. 1.0 2007.03



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AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 6 ohm loads, both channels driven, from 120 – 20,000 Hz; rated 90 watts per channel minimum RMS power, with no more than 1% total harmonic distortion from 250 milliwatts to rated output.

SPECIFICATIONS

Amplifier section

Power Output ¹⁾	
Stereo mode (rated) (6 ohms, 1 kHz, THD 1%)	
90 W + 90 W	
Surround mode (reference) (6 ohms, 1 kHz, THD 10%)	
RMS Output ²⁾	
FRONT: 140 W/ch	
CENTER: 140 W	
SURROUND: 140 W/ch	

1) Measured under the following conditions:

Area code	Power requirements
US	120 V AC, 60 Hz

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

Inputs	
Analog	Sensitivity: 800 mV/ 50 kohms
Digital (Coaxial)	Impedance: 75 ohms
Outputs (Analog)	
AUDIO OUT	Voltage: 800 mV/10 kohms
SUB WOOFER	Voltage: 2 V/1 kohm
Tone	
Gain levels	±6 dB, 1 dB step
Reproduction frequency range:	28 – 20,000 Hz

FM tuner section

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

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-887-608-01

2007C04-1

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Sony Corporation

Home Audio Division

Published by Sony Techno Create Corporation

SONY®

AM tuner section

Tuning range

With 10-kHz tuning scale: 530 – 1,710 kHz³⁾

With 9-kHz tuning scale: 531 – 1,710 kHz³⁾

Antenna Loop antenna

Intermediate frequency 450 kHz

- 3) 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 $\text{I}(\text{O})$. 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
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Power consumption

Area code	Power consumption
US	170 W

Power consumption (during standby mode)

0.3 W

Dimensions (w/h/d) (Approx.)

430 × 157.5 × 316 mm

(17 × 6 1/4 × 12 1/2 inches)

including projecting parts
and controls

Mass (Approx.)

8.0 kg (17 lb 11 oz)

Design and specifications are subject to change
without notice.

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.

SAFETY CHECK-OUT (US MODEL)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

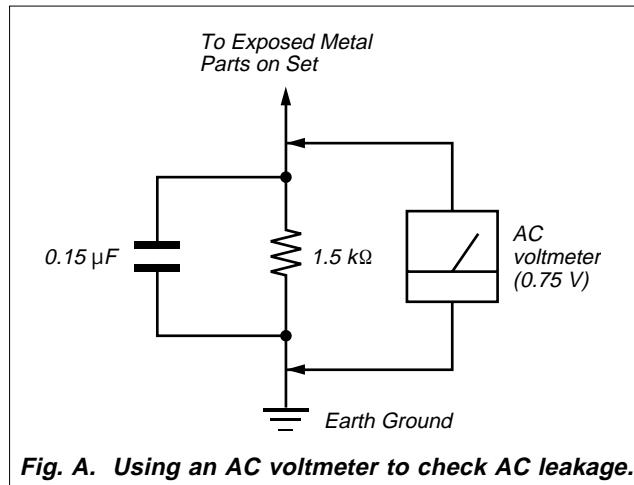
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.

Check leakage as described below.

LEAKAGE TEST

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

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

**MODEL IDENTIFICATION****— BACK PANEL —**

MODEL	PART No.
US	2-897-800-6□

Notes on Chip Component Replacement

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

● UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

LF : LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about $40^\circ C$ higher than ordinary solder.

Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.

Soldering irons using a temperature regulator should be set to about $350^\circ C$.

Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

- Strong viscosity

Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

- Usable with ordinary solder

It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

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SECTION 1

GENERAL

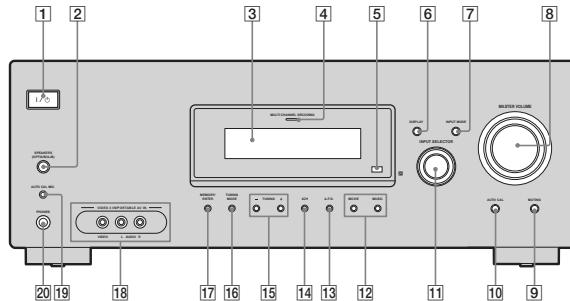
This section is extracted from instruction manual.

Getting Started

Description and location of parts

Receiver

Front panel



Name	Function
1 Power (on/standby)	Press to turn the receiver on or off (page 27, 36, 37, 52, 81).
2 SPEAKERS (OF/A/B+A+B)	Press to select the speaker system (page 28).
3 Display	The current status of the selected component or a list of selectable items appears here (page 7).
4 MULTI CHANNEL DECODING lamp	Lights up when multi channel audio is decoded (page 37).
5 Remote sensor	Receives signals from remote commander.

Name	Function
6 DISPLAY	Press to select information displayed on the display (page 68).
7 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks (page 63).
8 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time (page 33, 34, 36, 37).
9 MUTING	Press to mute the sound (page 34).
10 AUTO CAL	Press to activate the Auto Calibration function (page 29).

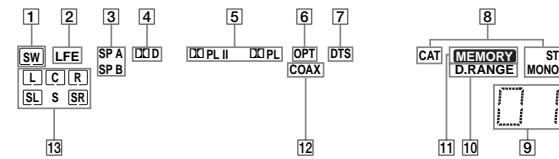
Name	Function
11 INPUT SELECTOR	Turn to select the input source to playback (page 34, 36, 37, 53, 55, 63, 65, 69).
12 MOVIE, MUSIC	Press to select sound fields (MOVIE, MUSIC) (page 49).
13 A.F.D.	Press to select A.F.D. mode (page 47).
14 2CH	Press to select 2CH STEREO mode (page 51, 52).
15 TUNING +/-	Press to scan a station (page 53, 54).
16 TUNING MODE	Press to select the tuning mode (page 55, 81).
17 MEMORY/ENTER	Press to store a station or enter the selection when selecting the settings (page 27).
18 VIDEO 3 IN/PORTABLE AV IN	Connect to camcorder or video game (page 25, 34).
19 AUTO CAL MIC	Connects to the supplied optimizer microphone for the Auto Calibration function (page 29).
20 PHONES jack	Connects to a headphone (page 78).

continued—

5^{US}

6^{US}

About the indicators on the display



Name	Function
1 SW	Lights up when the audio signal is output from the SUB WOOFER jack.
2 LFE	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 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 a headphone is connected.
4 DOL	Lights up when the receiver is decoding Dolby Digital signals. Note When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 63).
5 DOLPL/DOLPL II	"DOLPL" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "DOLPL II" lights up when the Pro Logic II Movie or Music decoder is activated.

Name	Function
6 OPT	Lights up when VIDEO 2 input is selected. However, "UNLOCK" appears on the display if no digital signal is input through the OPTICAL jack. "OPT" also lights up when SAT input is selected if - INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the OPTICAL jack. - INPUT MODE is set to "OPT IN" (page 63).
7 DTS	Lights up when the receiver is decoding DTS signals. Note When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 63).
8 Tuner indicators	Lights up when using the receiver to tune in radio stations (page 52), etc.
9 Preset station indicators	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations, see page 54.
10 D.RANGE	Lights up when dynamic range compression is activated (page 41).

Name	Function
11 MEMORY	Lights up when a memory function, such as Preset Memory (page 54), etc., is activated.
12 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 63).
13 Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound. L Front Left R Front Right C Center (monaural) SL Surround Left SR Surround Right S Surround (monaural) or the surround components obtained by Pro Logic processing) Example: Recording format (Front/Surround): 3/2.1 Sound Field: A.F.D. AUTO

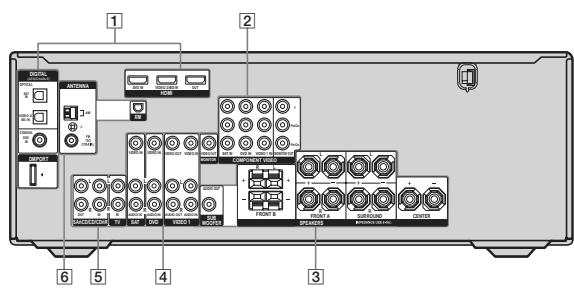


continued—

7^{US}

8^{US}

Rear panel



Getting Started

1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN jack	Connects to a DVD player, etc. The COAXIAL jack provides a better quality of loud sound (page 20, 24).
	COAXIAL IN jack	Connects to a DVD player, or a Blu-ray disc player. The image and the sound are output to a TV or a projector (page 22).
	HDMI IN/OUT jack ^{a)}	Connects to a DVD player, or a Blu-ray disc player. The image and the sound are output to a TV or a projector (page 22).
	Connect to a DIGITAL MEDIA PORT adapter (page 64).	

2 COMPONENT VIDEO INPUT/OUTPUT section

	COMPONENT VIDEO INPUT/OUTPUT jack ^{a)}	Connects to a DVD player, TV, satellite tuner, etc.
	COMPONENT VIDEO INPUT/OUTPUT jack ^{a)}	You can enjoy high quality image (page 19, 21, 24).

3 SPEAKER section

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

4 VIDEO/AUDIO INPUT/OUTPUT section

	White (L) AUDIO IN/OUT jack	Connects the video and audio jacks of a VCR or a DVD player (page 19, 20, 21, 24, 25).
	Yellow VIDEO IN/OUT jack ^{a)}	

5 AUDIO INPUT/OUTPUT section

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

6 ANTENNA section

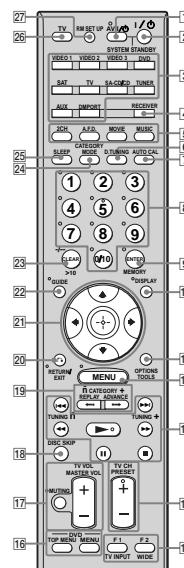
	FM ANTENNA jack	Connects to the FM wire antenna supplied with this receiver (page 26).
	AM ANTENNA terminals	Connects to the AM loop antenna supplied with this receiver (page 26).
	XM terminal	Connects to the XM connect-and-Play antenna (not supplied with this receiver) (page 57).

^{a)}You can watch the selected input image when you connect the HDMI OUT or MONITOR OUT jack to a TV (page 19).

Remote commander

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

You can also program the remote to control non-Sony audio/video components. For details, see "Programming the remote" (page 70).

RM-AAP016

continued

9^{US}10^{US}

Getting Started

Name Function

1 AV I/O (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 (26) and then press AV I/O (1). If you press I/O (2) at the same time, it will turn off the receiver and other components (SYSTEM STANDBY). Note The function of the AV I/O switch changes automatically each time you press the input buttons (3).
2 I/O (on/standby)	Press to turn the receiver on or off. To turn off all components, press I/O (2) and AV I/O (1) at the same time (SYSTEM STANDBY).

3 Input buttons	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can program the remote to control non-Sony components following the steps in "Programming the remote" on page 70.
4 RECEIVER	Press to activate the receiver operation (page 33).

Name Function

5 MUSIC	Press to select sound fields (MUSIC).
2CH	Press to select 2CH STEREO mode.
A.F.D.	Press to select A.F.D. mode.
MOVIE	Press to select sound fields (MOVIE).
6 D. TUNING	Press to enter direct tuning mode.
7 AUTO CAL	Press to activate the Auto Calibration function.
8 Numeric buttons (number 5^{a)}	Press the numeric buttons to – preset/tune to preset stations. – select track numbers of the CD player, VCD player, LD player, DVD player, MD deck, DAT deck, or tape deck. Press 0/10 to select track number 10. – select channel numbers of the TV, VCR, satellite tuner, Blu-ray disc recorder, hard disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO. Press TV (26) and then press the numeric buttons to select the TV channels.
9 MEMORY	Press MEMORY to store a station.
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 (26) and then press ENTER.
10 DISPLAY	Press to select information displayed on the TV screen of the TV, VCR, VCD player, LD player, DVD player, CD player, MD deck, Blu-ray disc recorder, PSX, satellite tuner, DVD/VHS COMBO or DVD/HDD COMBO. To select information of Sony TV, press TV (26) and then press DISPLAY.

Name Function

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 (26) and then press OPTIONS TOOLS.
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 the /// and to perform menu operations. To display the menus of Sony TV, press TV (26) and then press MENU.
13 ▶–^{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. Press TV (26) and then press /.
14 ■^{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.)
15 □^{a)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.
16 DVD TOP MENU	Press to display the menu or on-screen guide of the DVD player on the TV screen. Then, use the /// and to perform menu operations.
17 TV VOL +/-	Press TV (26) and then press TV VOL to adjust the TV volume level.

Name Function

◀▶◀▶^{b)}	Press to skip tracks of the VCR, CD player, VCD player, LD player, DVD player, 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 +/–	Press TV (26) and then press TV/CH +/- to select preset TV channels.
PRESET +/–	Press to – select preset stations. – select preset channels of the TV, 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 to operate. – DVD/HDD COMBO F1: HDD mode F2: DVD mode – DVD/VHS COMBO F1: DVD mode F2: VHS mode
TV/INPUT	Press TV (26) and then press TV/INPUT to select the input signal (TV input or video input).
WIDE	Press TV (26) and then press WIDE to select the wide picture mode.
16 DVD TOP MENU	Press to display the menu or on-screen guide of the DVD player on the TV screen. Then, use the /// and to perform menu operations.
DVD MENU	Press to display the menu of the DVD player on the TV screen. Then, use the /// and to perform menu operations.
17 TV VOL +/-	Press TV (26) 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.
MUTING	Press to mute the sound. To mute the sound of the TV, press TV (26) and then press MUTING.

continued

11^{US}12^{US}

Name	Function
18 DISC SKIP	Press to skip disc of the CD player, VCD player, DVD player or MD deck (multi-disc changer only).
19 CATEGORY	Press to select the category for +/-.
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.
20 RETURN/ EXIT ⌂	Press to – return to the previous menu. – exit the menu while the menu or on-screen guide of the VCD player, LD player, DVD 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 (26) and then press RETURN/EXIT ⌂.
21 (⊕), ⌂/⊕/⊖/⊖	After pressing RECEIVER MENU (4), then press MENU (12) for receiver operation, press ⌂/⊕/⊖/⊖ to select the settings. After pressing DVD TOP MENU (16) or DVD MENU (16), press ⌂/⊕/⊖/⊖ to select the settings, and then press (⊕) to enter the selection. Press (⊕) also, to enter the selection of the receiver, VCR, satellite tuner, CD player, DVD player or Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO.
22 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.
23 ↓-	Press to select the channel entry mode, either one or two digit of the VCR or satellite tuner. To select the channel entry mode of the TV, press TV (26) and then press ↓-.

Getting Started

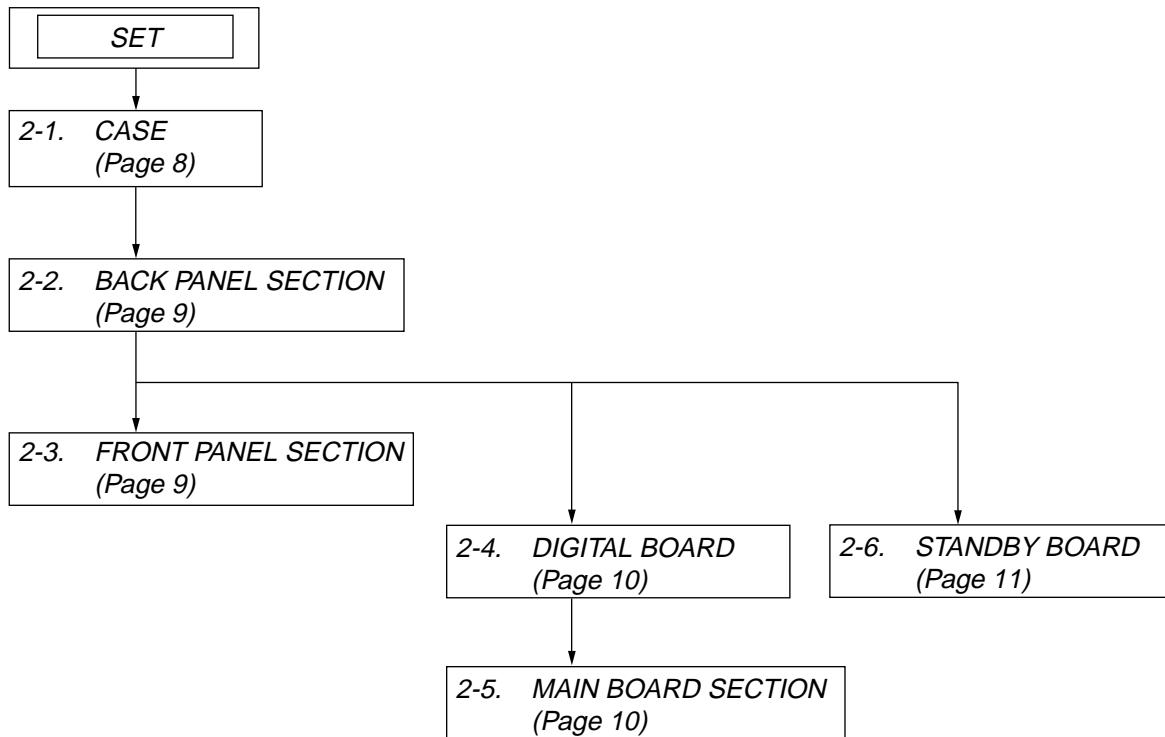
- ^{a)}The number 5, PRESET +, TV CH + and ▷ buttons have tactile dots. Use the tactile dots as references when operating the receiver.
^{b)}The button is also available for DIGITAL MEDIA PORT adapter operation. For details on the function of the buttons, see the operating instructions supplied with the DIGITAL MEDIA PORT adapter.

Notes

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

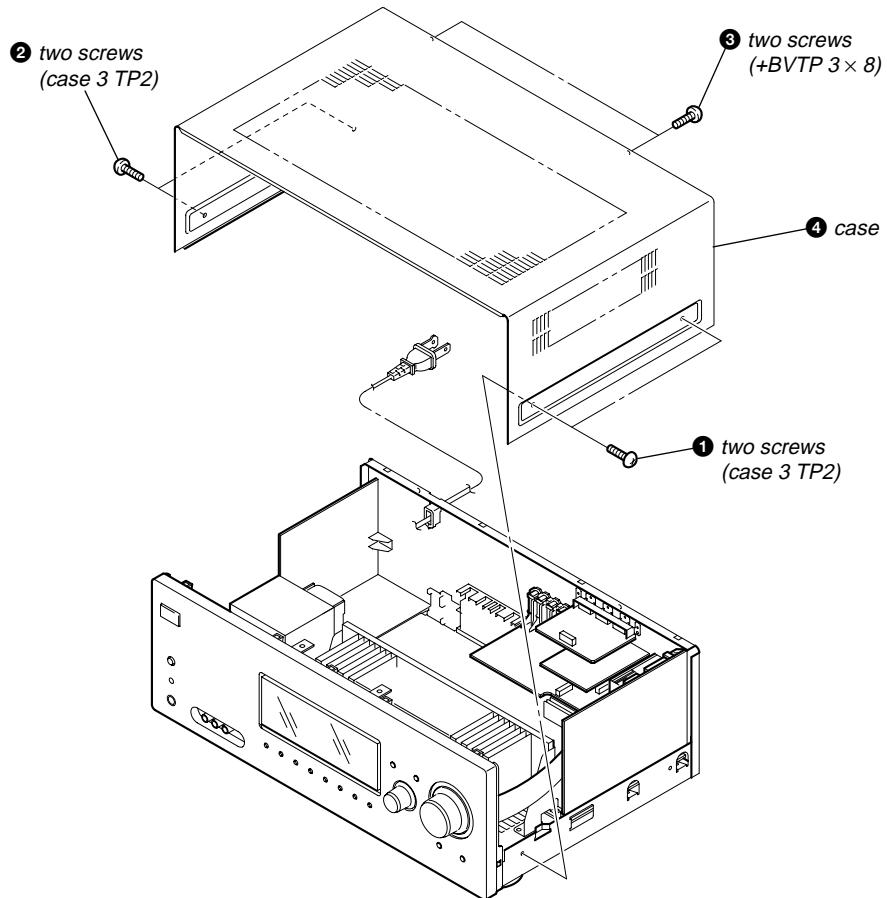
SECTION 2 DISASSEMBLY

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

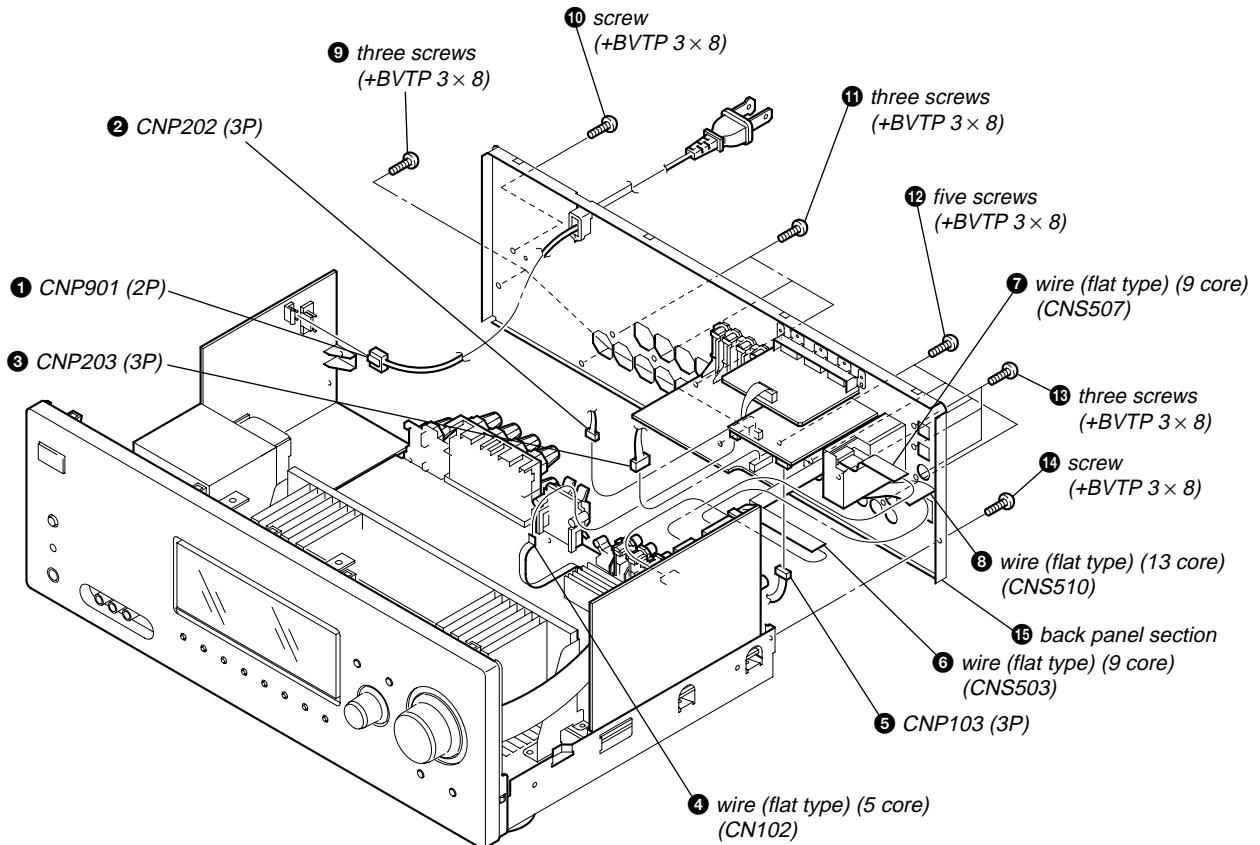


Note : Follow the disassembly procedure in the numerical order given.

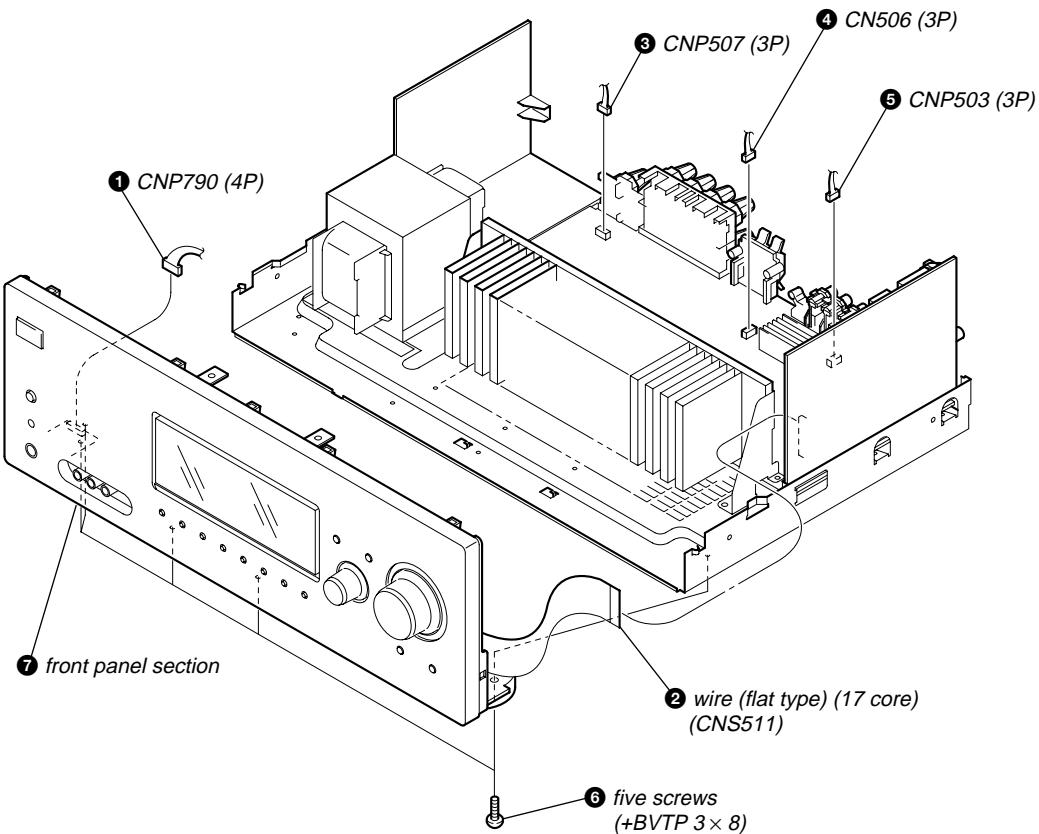
2-1. CASE



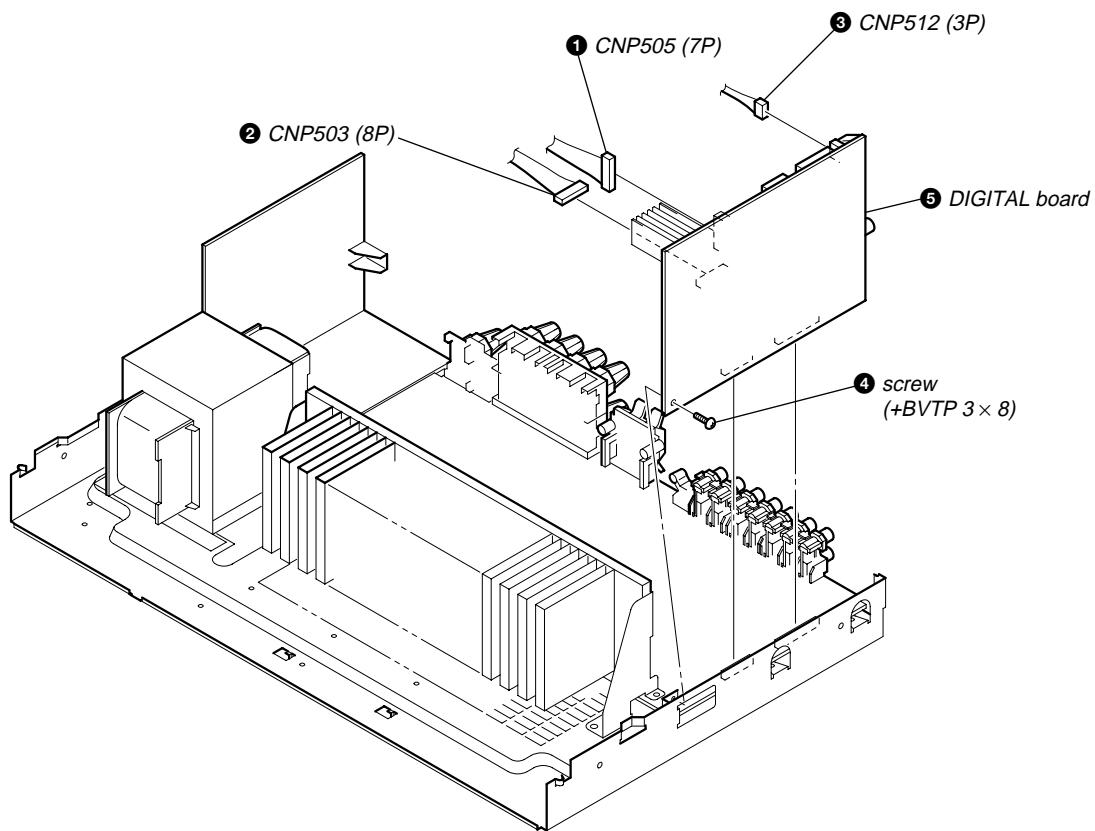
2-2. BACK PANEL SECTION



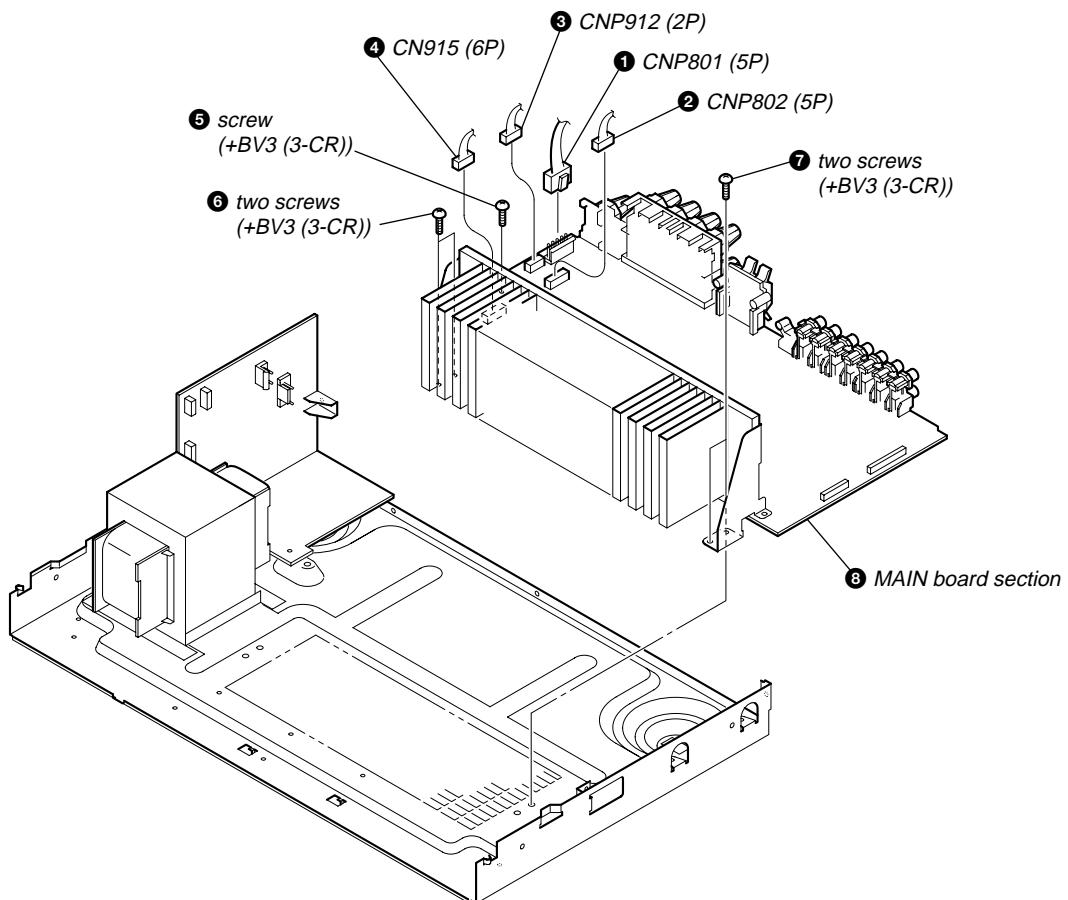
2-3. FRONT PANEL SECTION



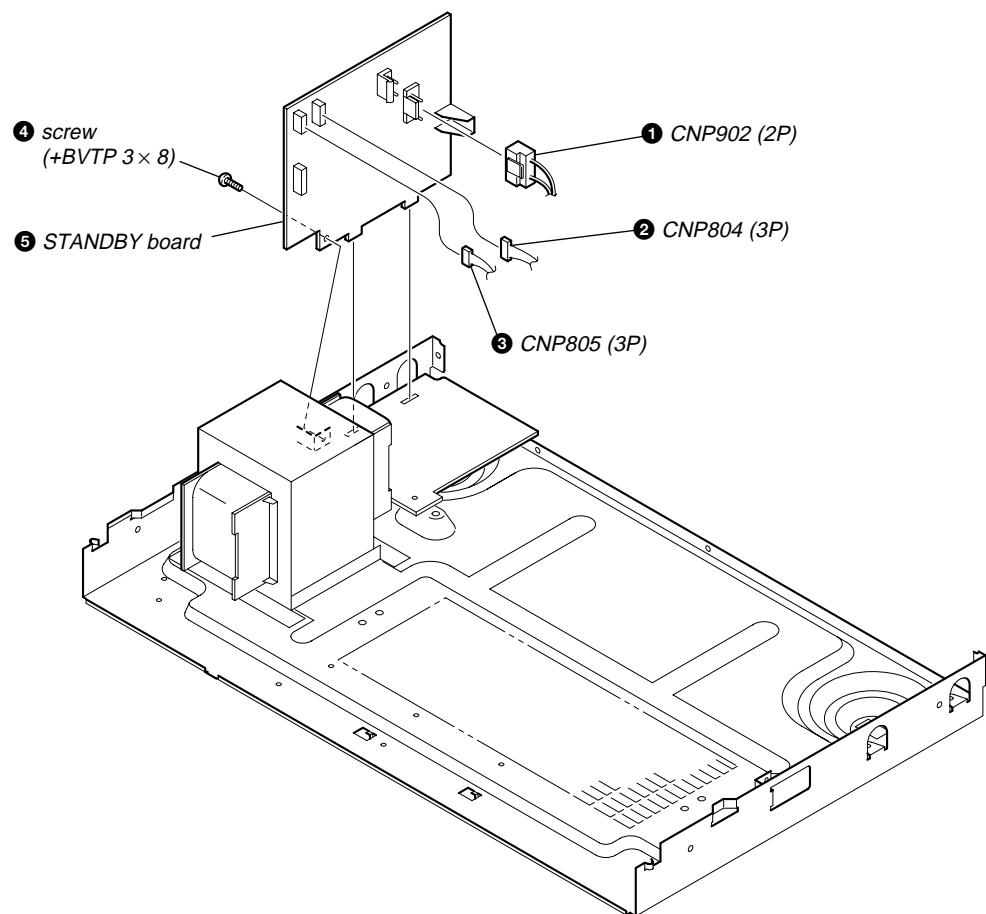
2-4. DIGITAL BOARD



2-5. MAIN BOARD SECTION



2-6. STANDBY BOARD



SECTION 3

TEST MODE

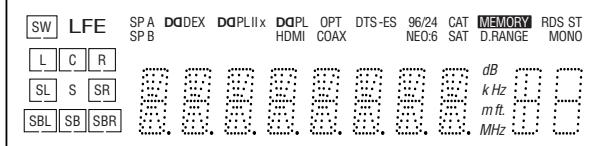
AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

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

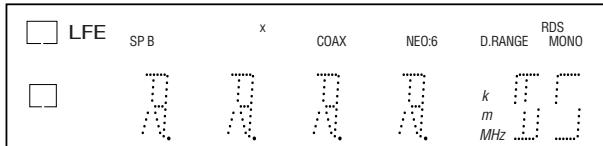
VACUUM FLUORESCENT DISPLAY TEST MODE

- * 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/O] button to turn on the main power.

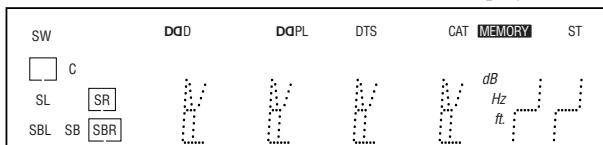
1. ALL segments light on.



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/O] button to turn on the main power.
 - The message “S.F. CLR.” appears for a moment and initialization is performed.

SOFTWARE VERSION DISPLAY MODE

- * The software version is displayed.
- * Procedure:
 - While depressing the [SPEAKERS (OFF/A/B)] and the [DISPLAY] buttons simultaneously, press the [I/O] button to turn on the main power.
 - The model name, destination and the software version are displayed for a moment.

KEY CHECK MODE

- * Button check
- * Procedure:
 - While depressing the [SPEAKERS (OFF/A/B)] and the [2CH] buttons simultaneously, press the [I/O] button to turn on the main power.
 - Either the message “REST 13” appears.
 - Every pressing of any button other than the [I/O] counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed “REST 00” appears.

SWAP ALL MODE

- * The signal will be swap to all channel so that all speaker will have sound output.
- * Procedure:
 1. While depressing the [SPEAKERS (OFF/A/B)] and the [A.F.D.] buttons simultaneously, press the power [I/O] button to turn on the main power.
 2. “SWAP” appears. (No change while displayed.)

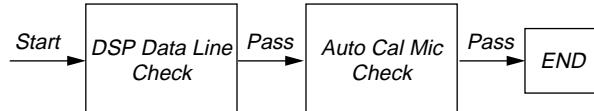
SHIPMENT MODE

- All preset contents are reset to the default setting.
- * Procedure:
 1. While depressing the [SPEAKERS (OFF/A/B)] and the [MUSIC] buttons simultaneously, press the power [I/O] button to turn on the main power.
 2. “Cleared” appears and switch off the set.

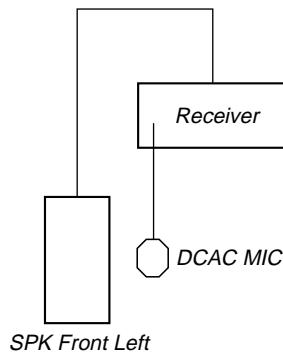
DCAC FACTORY TEST MODE

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/O]. “DCAC FTM” appears.
Afterward, press the [TUNING MODE] to start DCAC factory test mode.

SECTION 4

FM TUNER CHECK

1. DCAC DSP Data Line Checking

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

“DCAC□□□x” x=1, 2, 3

If there is error happen, below display will show:

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

2. DCAC board Checking

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

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

FM AUTO STOP CHECK

(1) Turn on the set.

(2) Input the following signal from Signal Generator to FM antenna input directly.

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

Deviation : 75 kHz

Modulation : 1 kHz

ANT input : 35 dBu (EMF)

(Note)

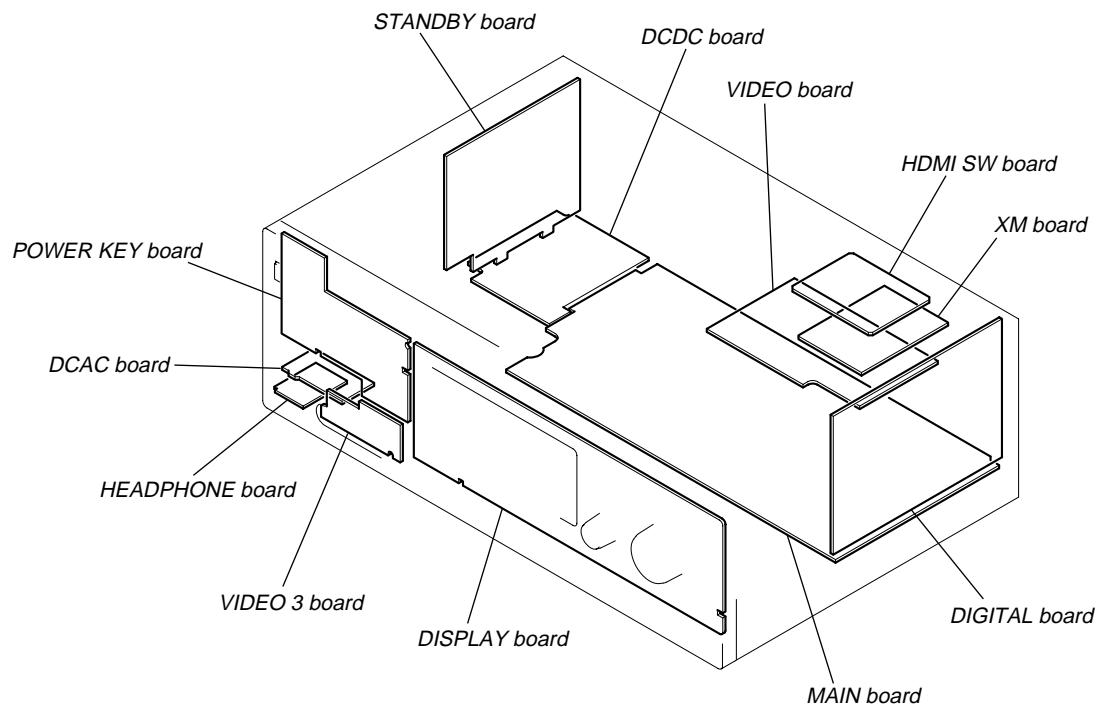
Please use 75 ohm “coaxial cable” to connect SG and the set. You cannot use video cable for checking.

Please use SG whose output impedance is 75 ohm.

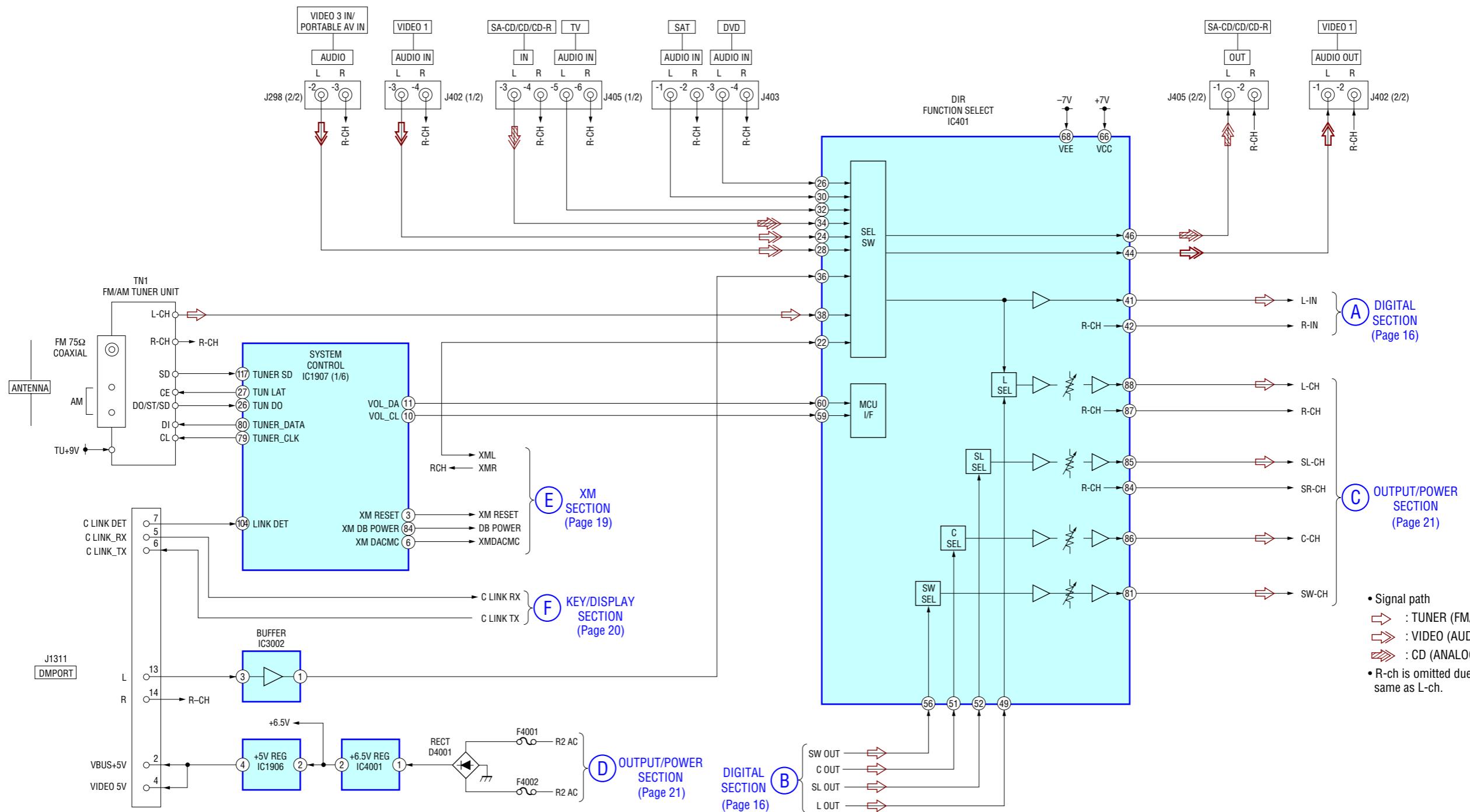
(3) Set to FM tuner function and scan the input FM signal with automatic scanning.

(4) Confirm that input Frequency of A, B and C are detected and automatic scanning stops.

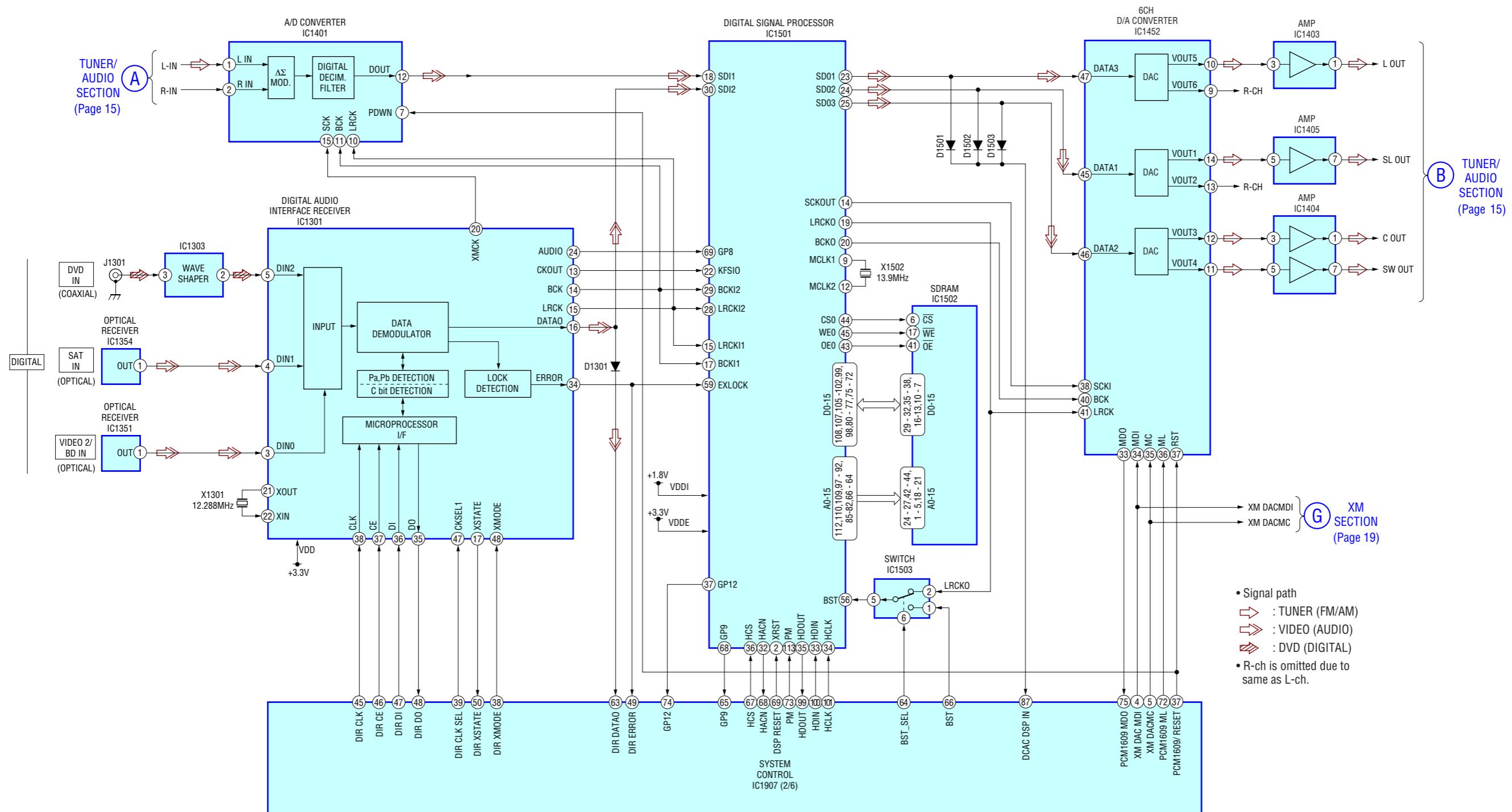
The stop of automatic scanning means “The station signal is received in good condition.”

**SECTION 5
DIAGRAMS****5-1. CIRCUIT BOARDS LOCATION**

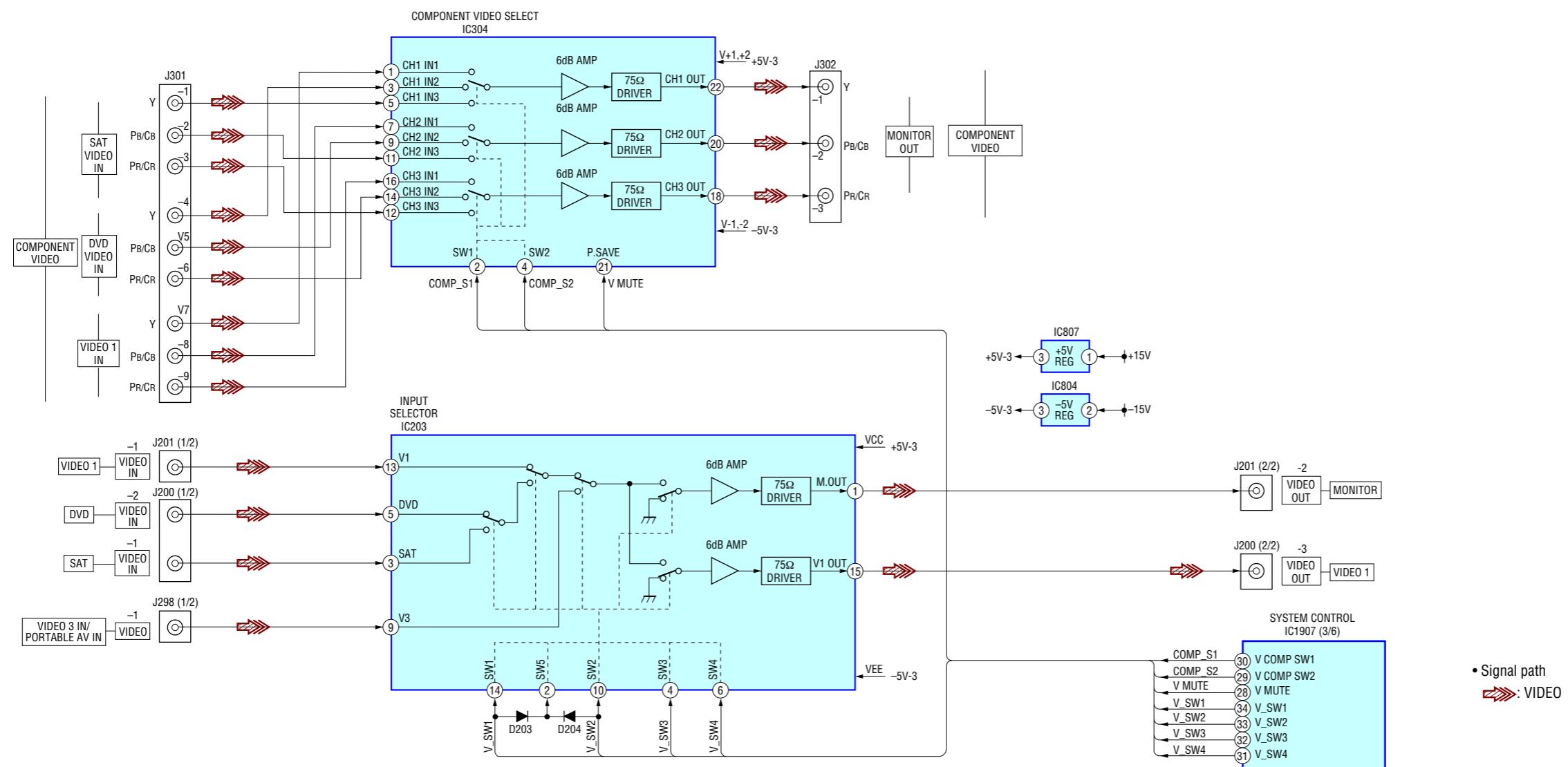
5-2. BLOCK DIAGRAM — TUNER/AUDIO SECTION —



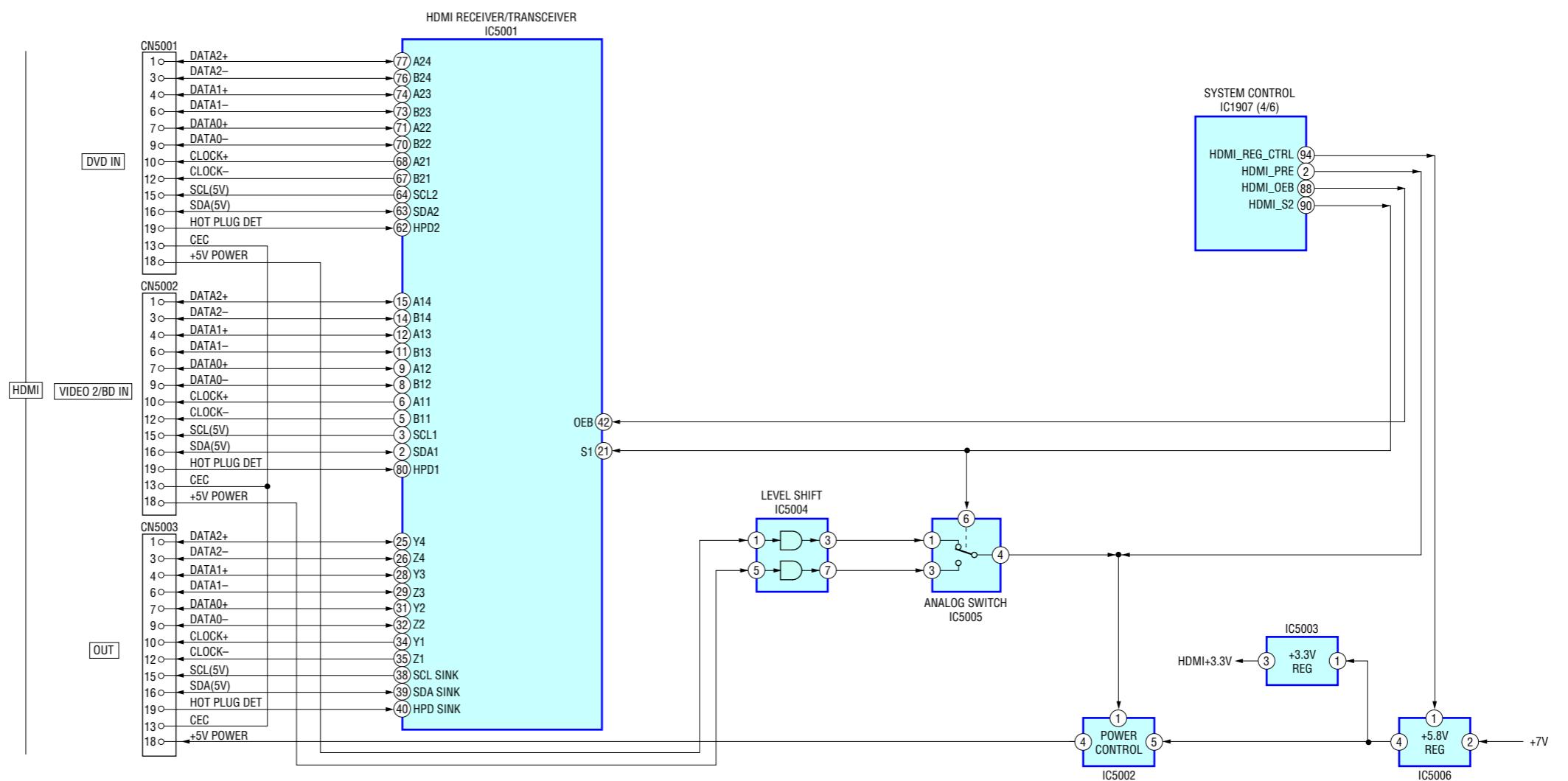
5-3. BLOCK DIAGRAM — DIGITAL SECTION —



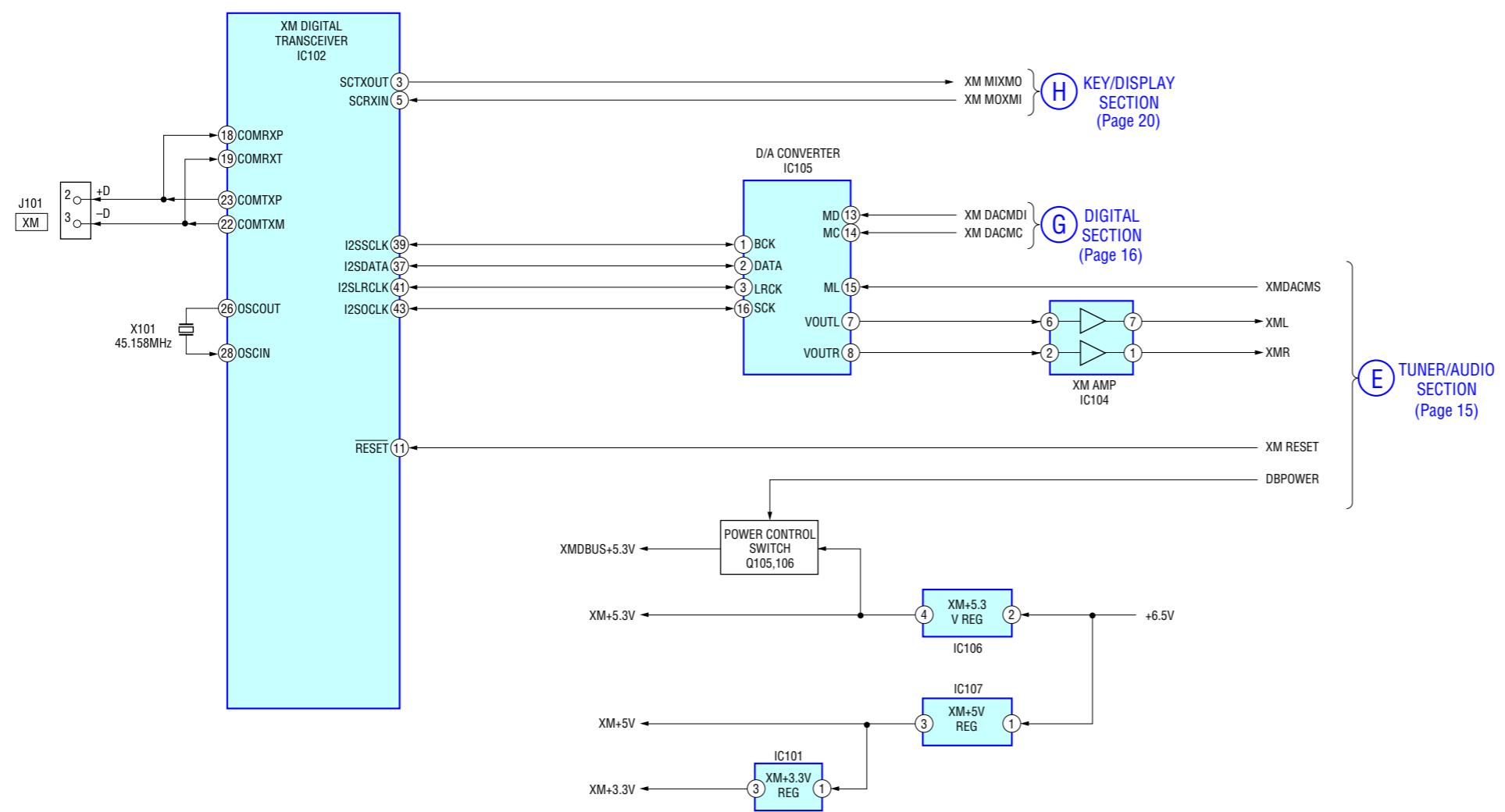
5-4. BLOCK DIAGRAM — VIDEO SECTION —



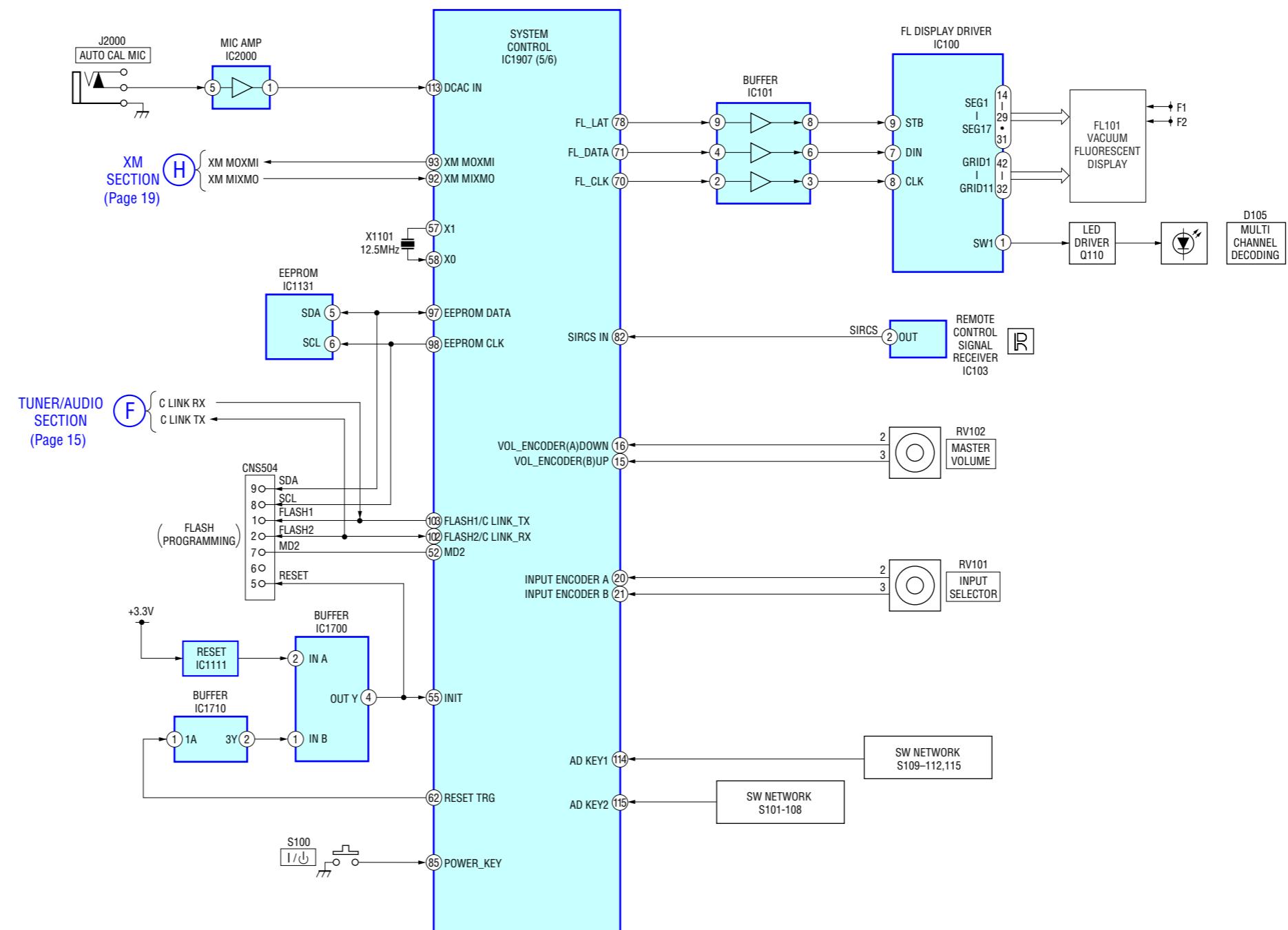
5-5. BLOCK DIAGRAM — HDMI SW SECTION —



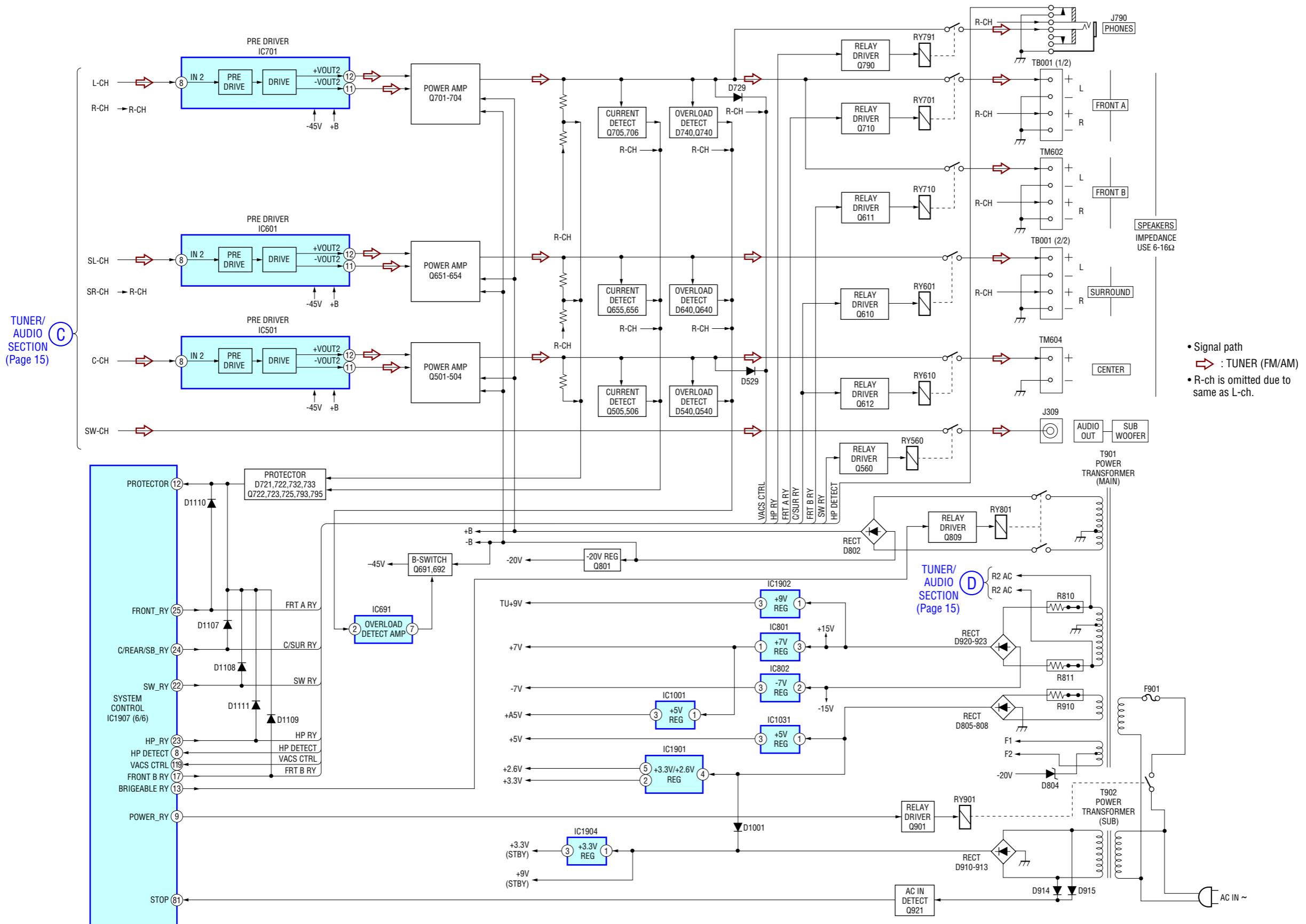
5-6. BLOCK DIAGRAM — XM SECTION —



5-7. BLOCK DIAGRAM — KEY/DISPLAY SECTION —



5-8. BLOCK DIAGRAM — OUTPUT/POWER SECTION —



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

for schematic diagram:

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

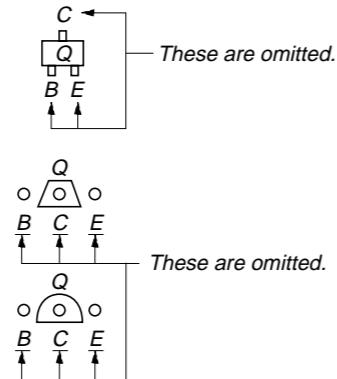
Note: The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

- : 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 $10 \text{ M}\Omega$).
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.
- Circle 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.

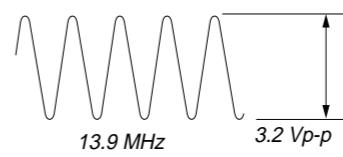
Caution:
Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.
Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.



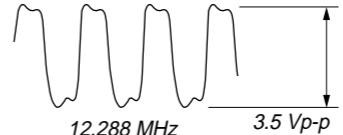
• Waveforms
— DIGITAL Board —

① IC1301 ⑬ (CKOUT)

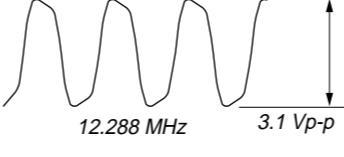
1 V/DIV, 50 nsec/DIV

⑤ IC1501 ⑫ (MCLK2)

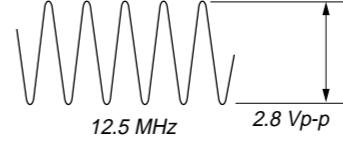
1 V/DIV, 50 nsec/DIV

② IC1301 ⑭ (BCK)1 V/DIV, 0.2 μs /DIV**⑥ IC1501 ⑯ (SCKOUT)**

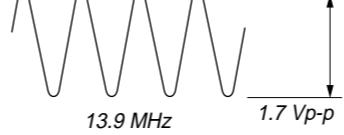
1 V/DIV, 50 nsec/DIV

③ IC1301 ㉑ (XOUT)

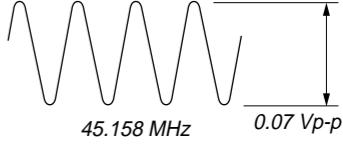
1 V/DIV, 50 nsec/DIV

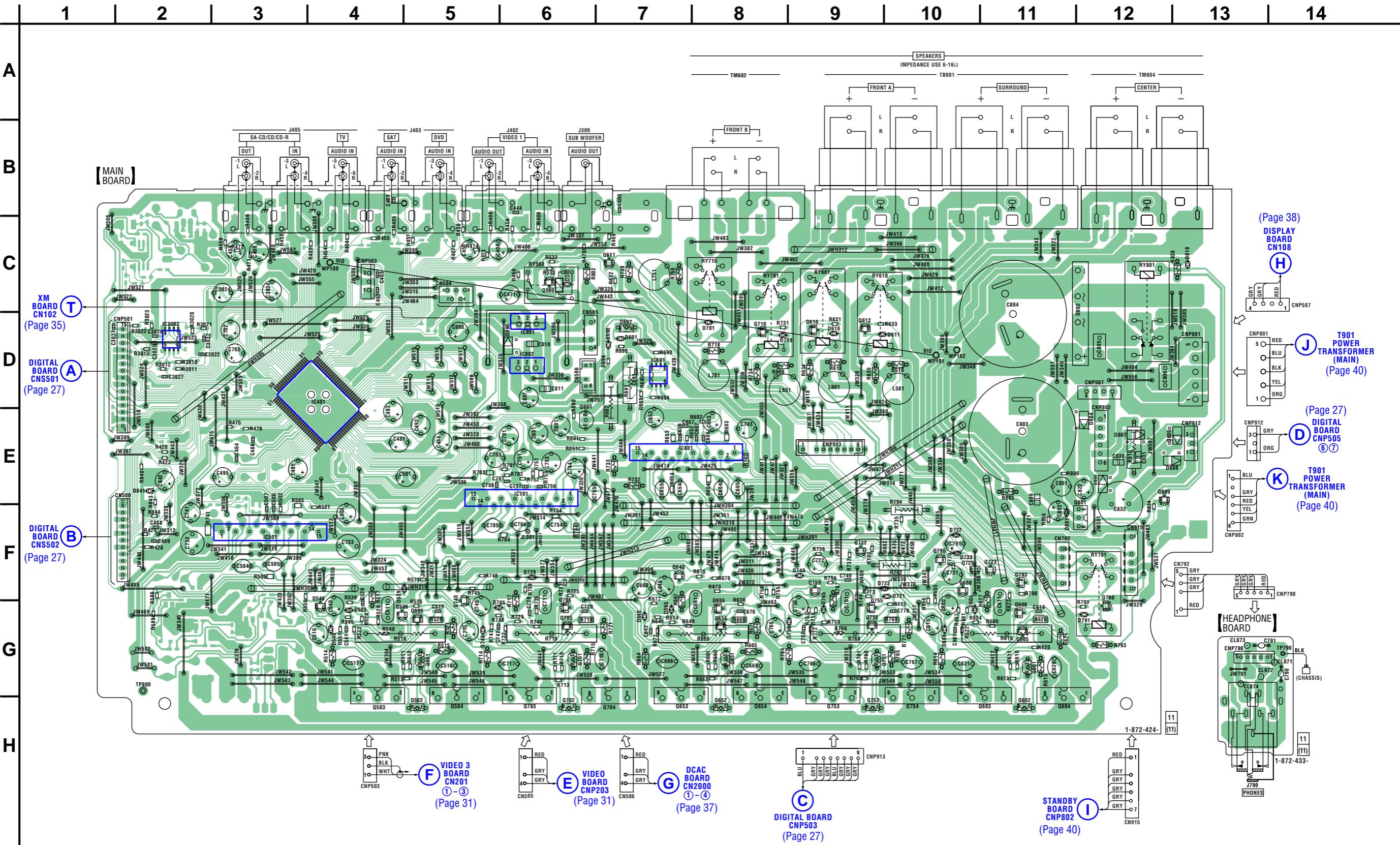
⑦ IC1907 ⑮ (X1)

1 V/DIV, 50 nsec/DIV

④ IC1501 ⑨ (MCLK1)

1 V/DIV, 50 nsec/DIV

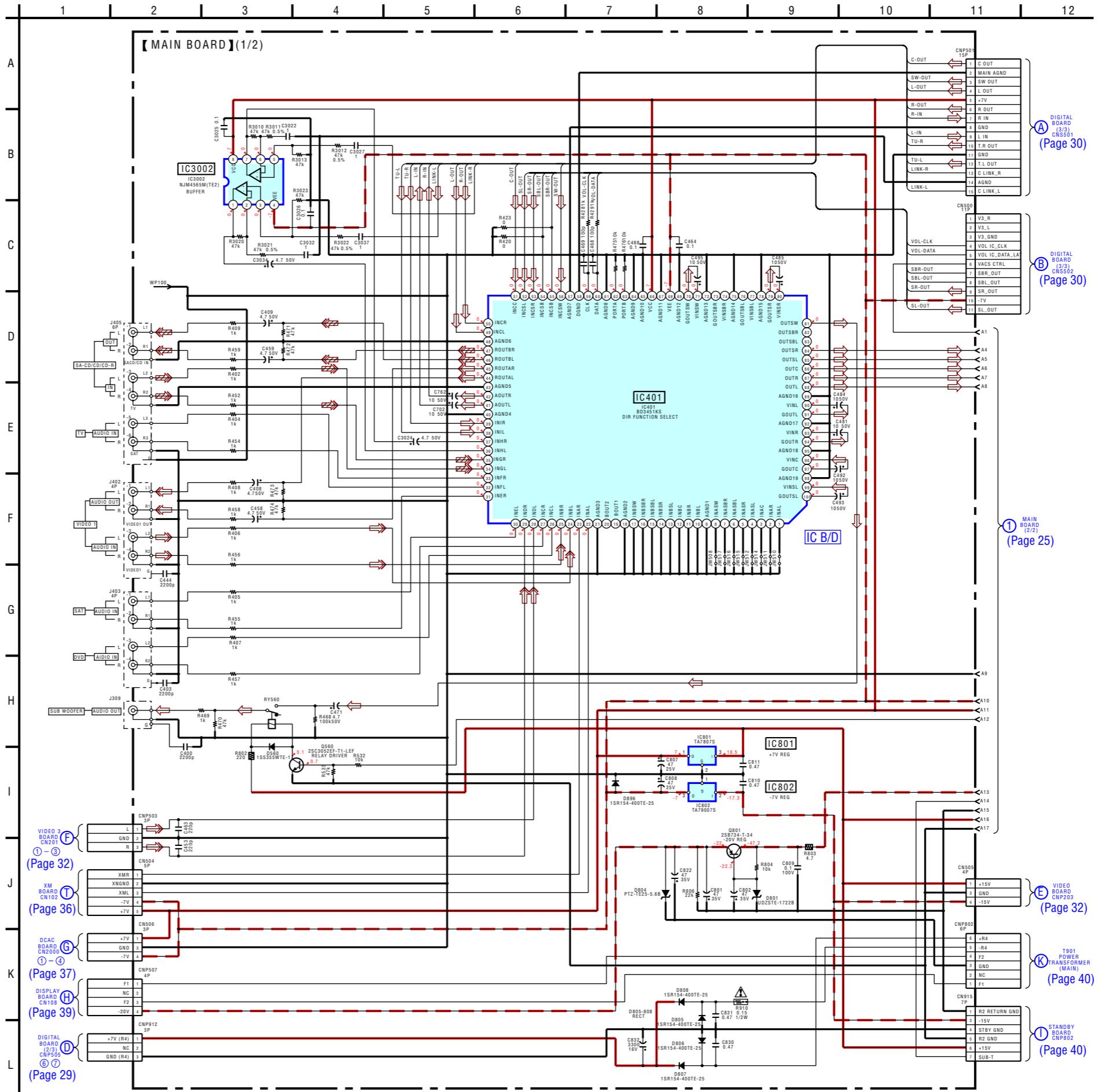
— XM Board —**① IC102 ㉚ (OSCOUT)**0.05 V/DIV, 0.2 μs /DIV

5-9. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

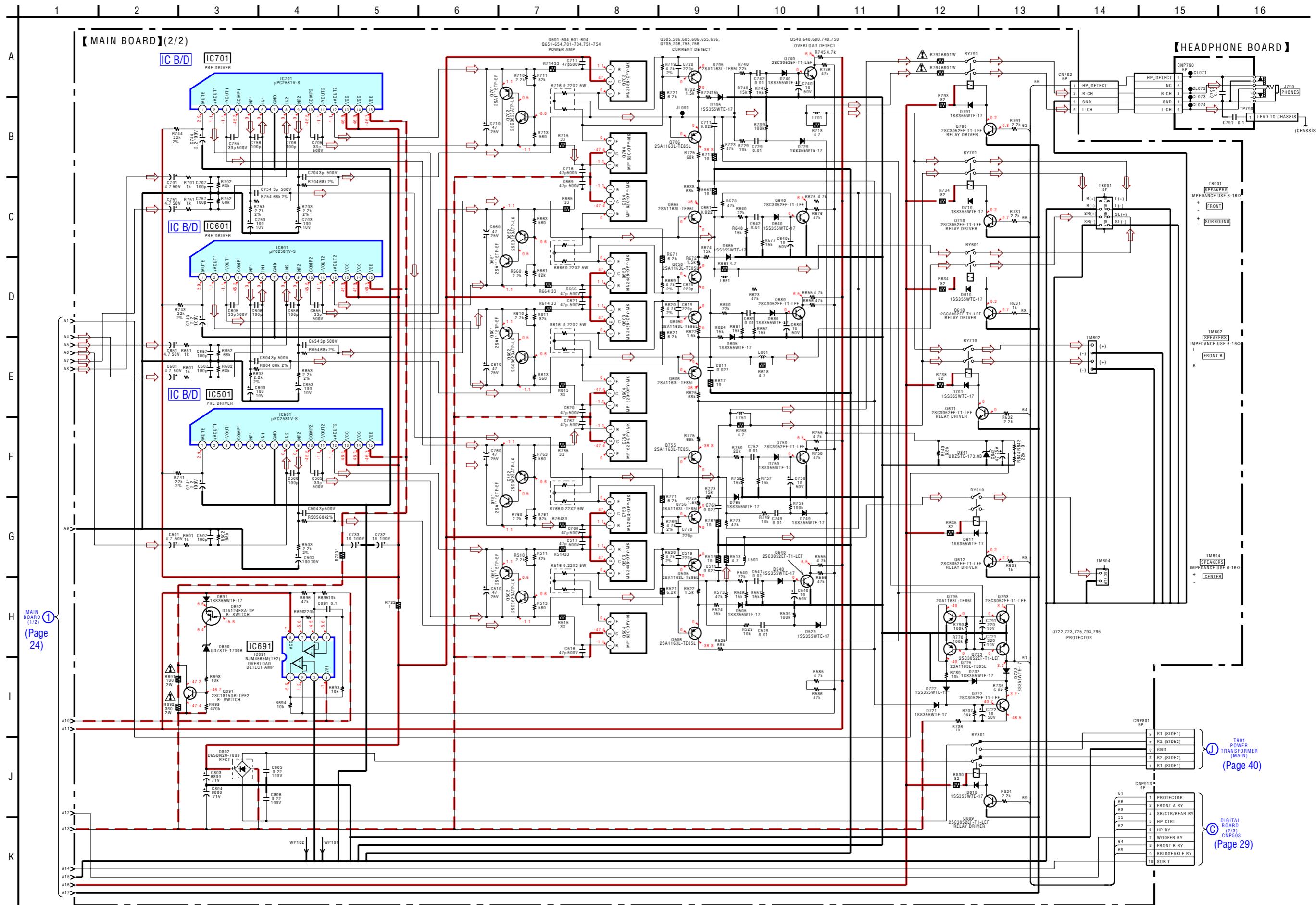
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	G-4	D680	G-10	D732	F-10	D804	E-12	IC401	D-4	Q501	G-5	Q602	H-11	Q651	G-8	Q701	G-6	Q725	F-10
D529	F-4	D690	D-7	D733	F-10	D805	E-13	IC501	F-3	Q502	H-5	Q603	H-11	Q652	H-8	Q702	H-6	Q740	F-5
D540	G-4	D691	D-7	D740	G-5	D806	E-12	IC601	E-7	Q503	H-4	Q604	H-11	Q653	H-7	Q703	H-6	Q750	F-10
D560	C-6	D701	D-8	D749	F-9	D807	E-12	IC701	E-6	Q504	H-5	Q605	G-11	Q654	H-8	Q704	H-7	Q751	G-9
D605	G-10	D705	G-5	D750	G-8	D808	E-12	IC801	D-6	Q506	G-4	Q606	G-11	Q655	G-8	Q705	G-6	Q752	H-9
D610	D-9	D710	D-8	D765	G-9	D818	C-13	IC802	D-6	Q540	G-4	Q611	C-7	Q680	F-10	Q710	D-8	Q754	H-10
D611	D-9	D721	F-10	D791	G-12	D841	E-2	IC802	D-6	Q560	C-6	Q612	D-9	Q691	E-6	Q722	F-9	Q755	G-9
D640	G-7	D722	F-9	D801	F-11	D896	D-6	IC3002	D-2	Q560	C-6	Q640	F-7	Q692	D-7	Q723	F-11	Q756	G-9
D665	G-7	D729	F-6	D802	C-12			Q601	G-11										

5-10. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 42 for IC Block Diagrams.



5-11. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 42 for IC Block Diagrams.



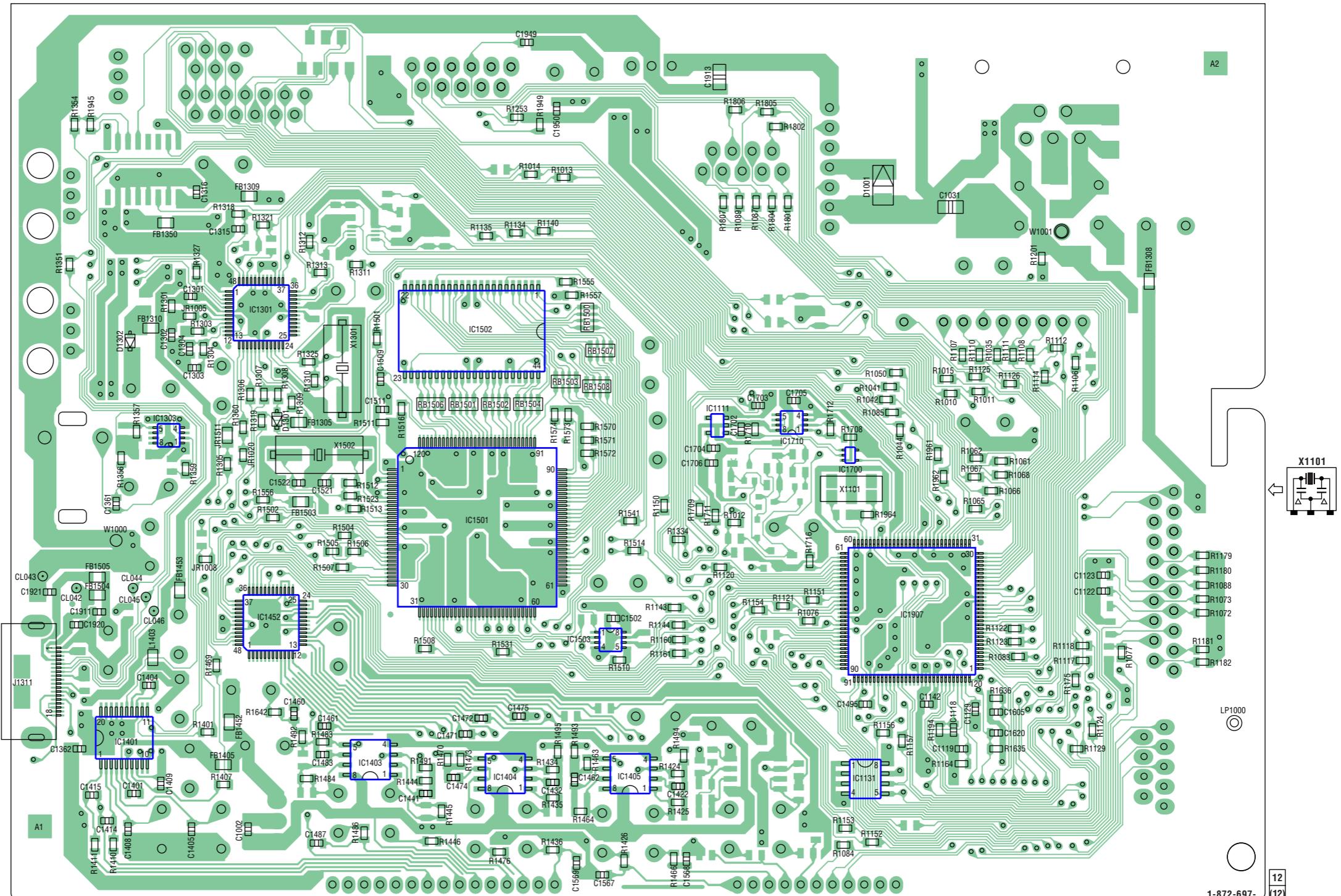
5-12. PRINTED WIRING BOARD — DIGITAL SECTION (1/2) — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder

 : Uses unleaded solder

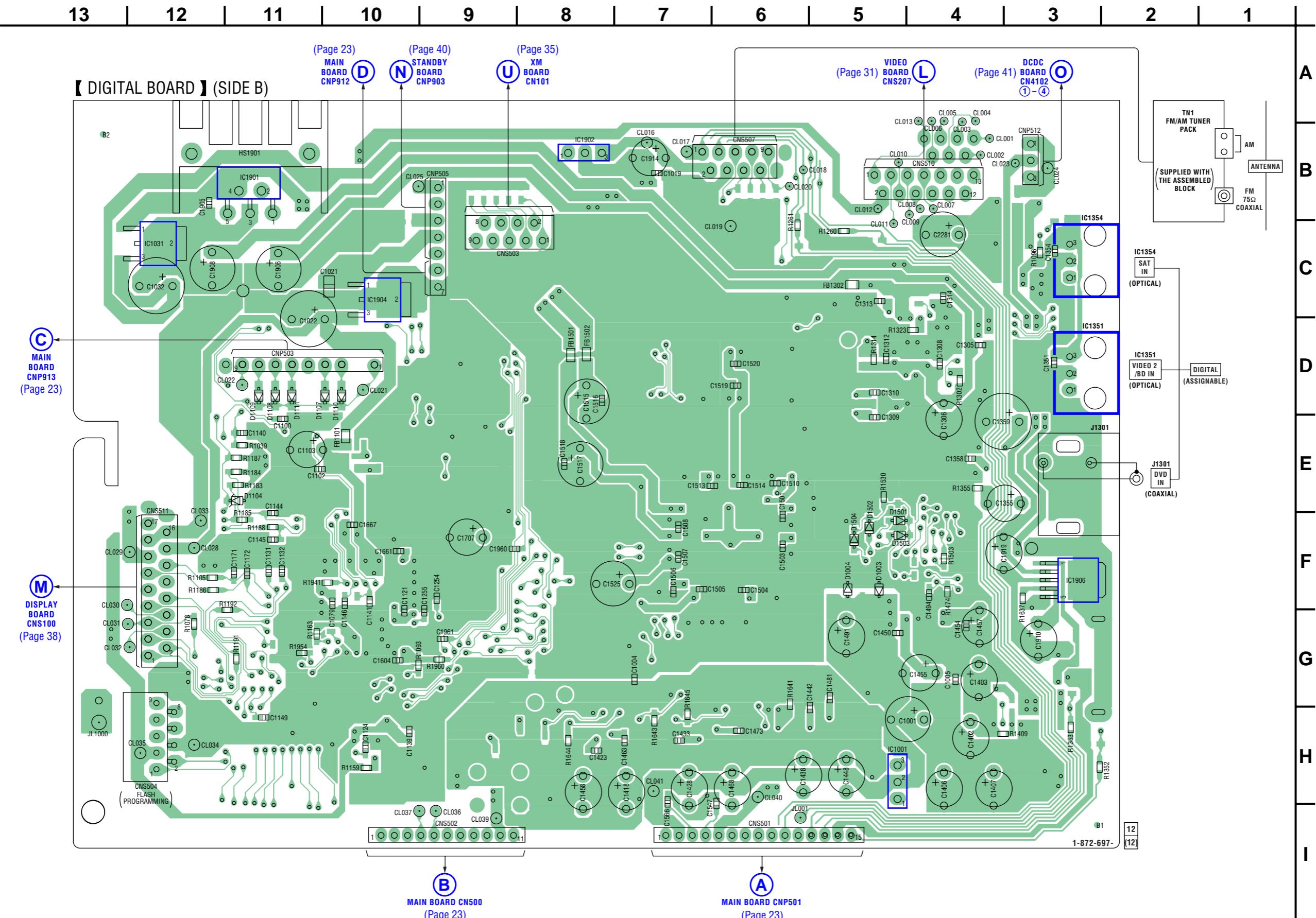
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13

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

【 DIGITAL BOARD 】(SIDE A)

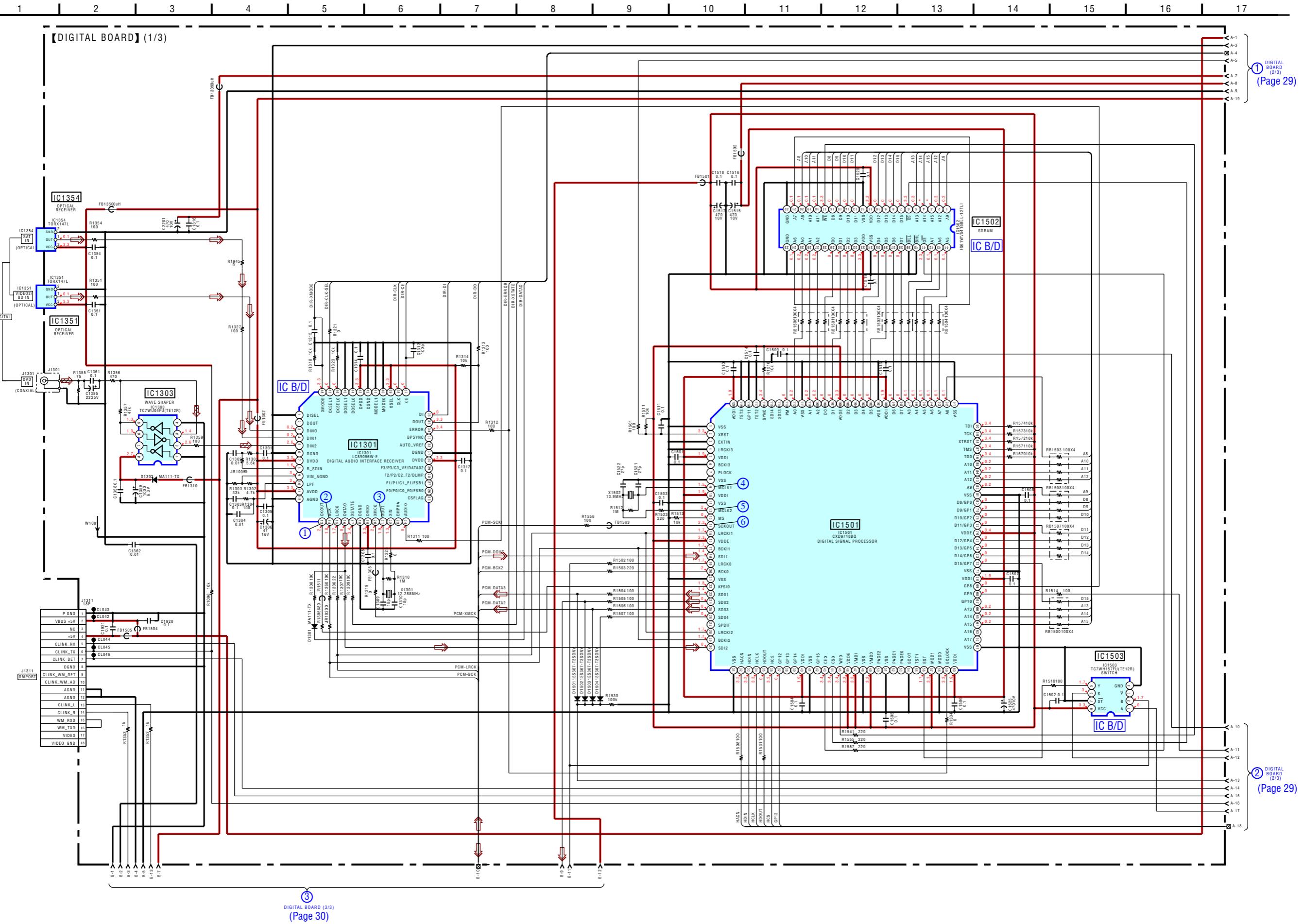


5-13. PRINTED WIRING BOARD — DIGITAL SECTION (2/2) — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.



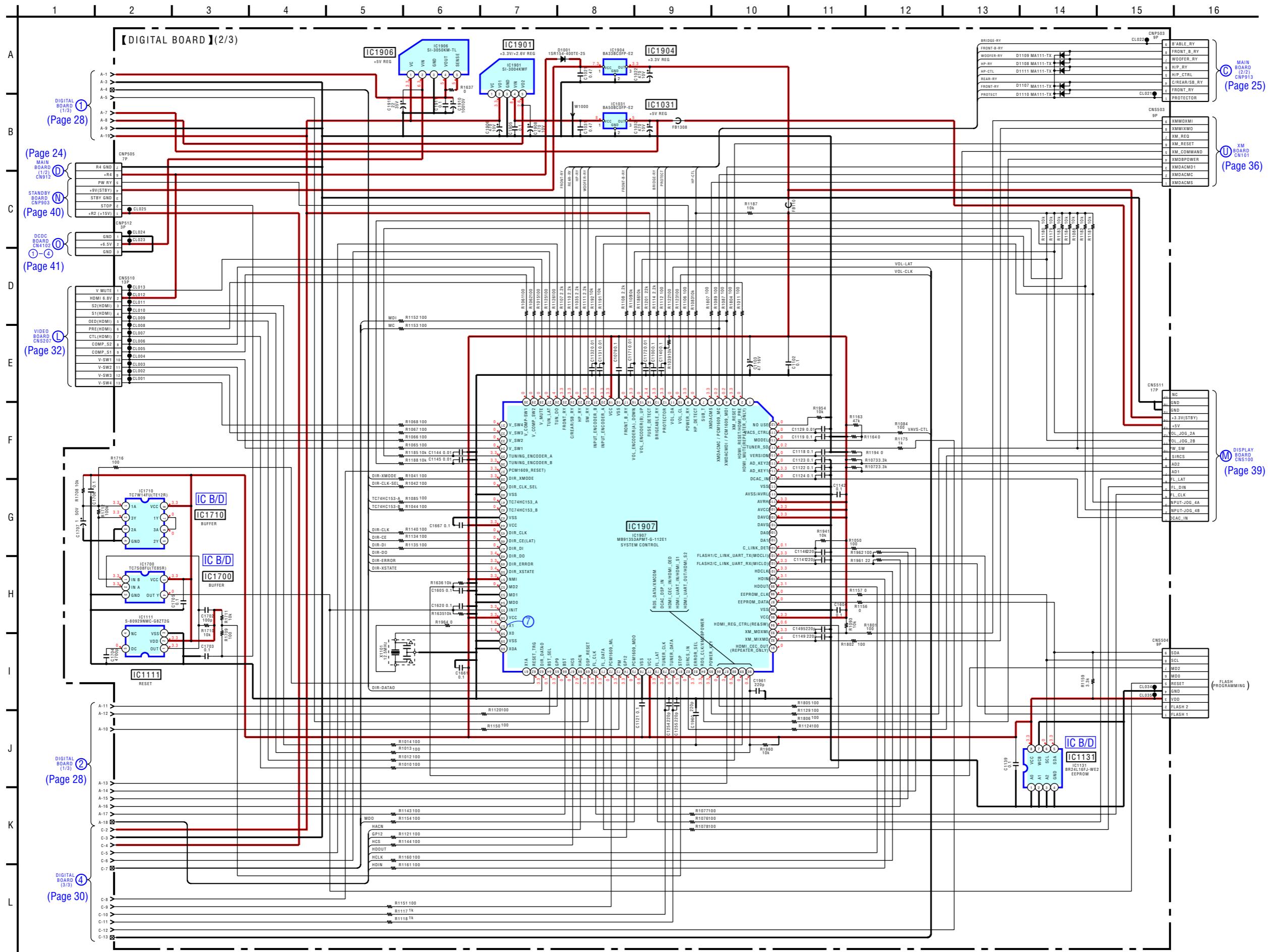
- Refer to page 22 for Waveforms.
- Refer to page 42 for IC Block Diagrams.
- Refer to page 48 for IC Pin Description.

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

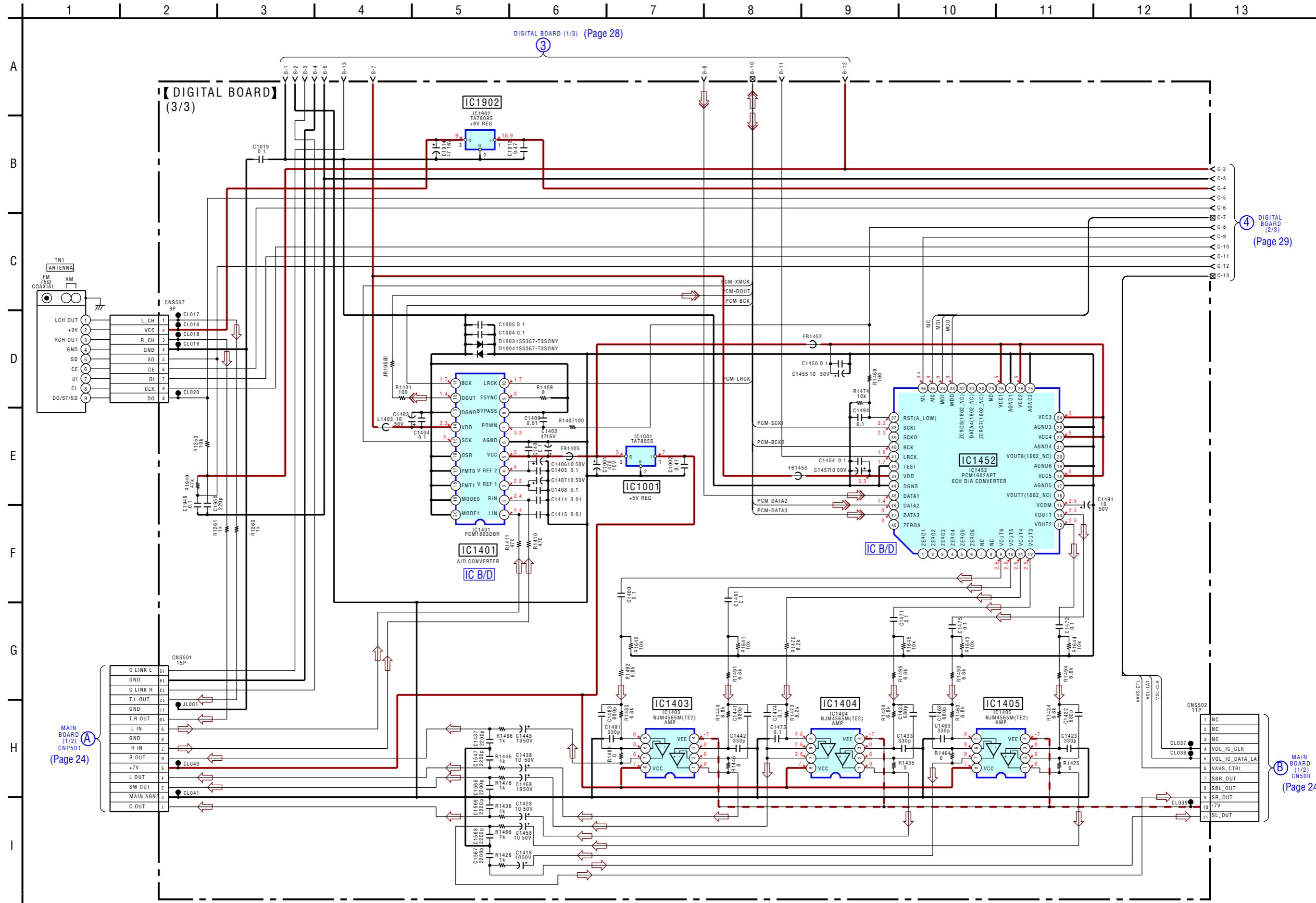


- Refer to page 22 for Waveforms.
- Refer to page 43 for IC Block Diagrams.
- Refer to page 50 for IC Pin Description.

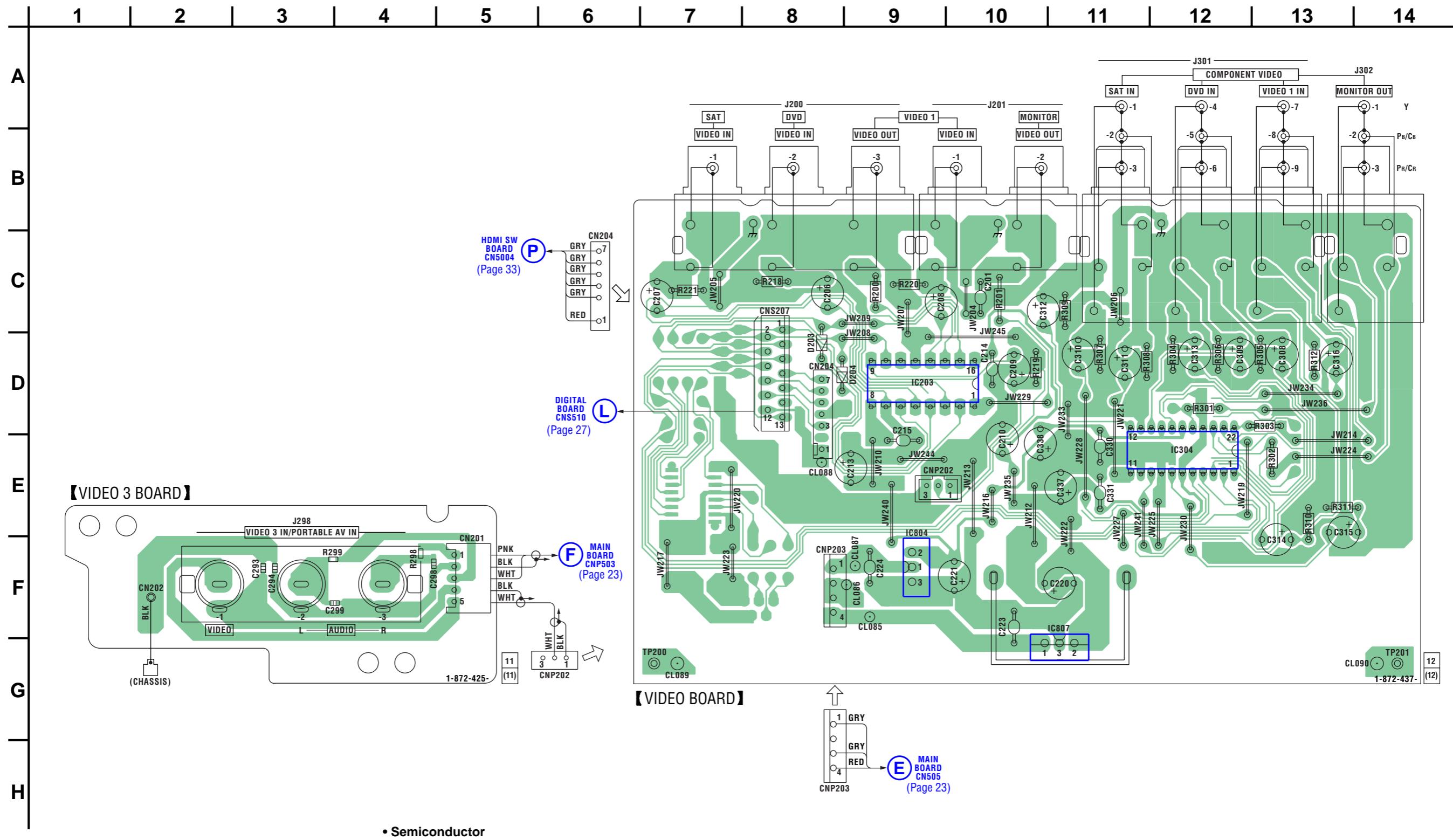
5-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/3) —



5-16. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/3) • Refer to page 43 IC Block Diagrams.



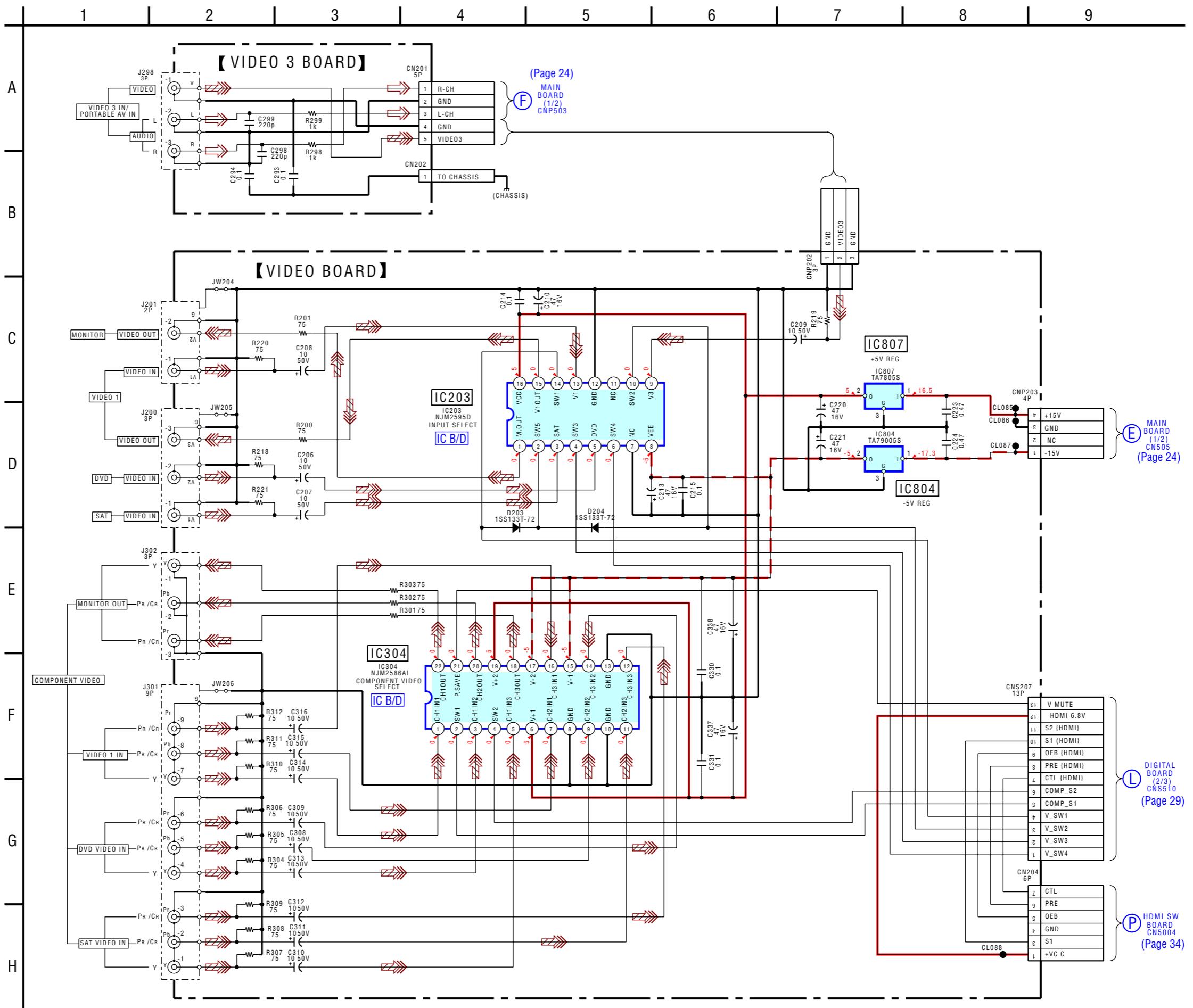
5-17. PRINTED WIRING BOARDS — VIDEO SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



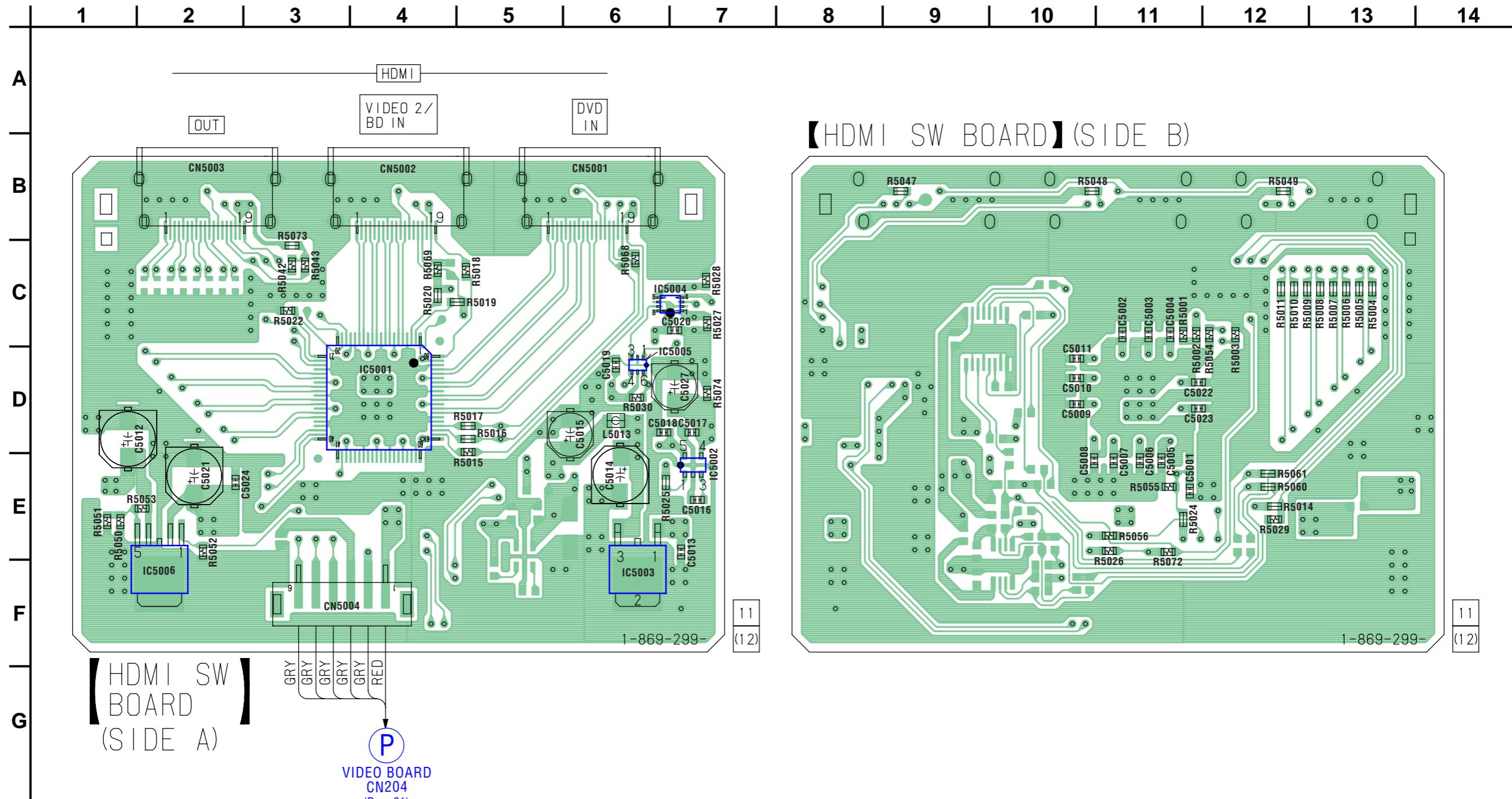
- Semiconductor Location

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

5-18. SCHEMATIC DIAGRAM — VIDEO SECTION — • Refer to page 44 for IC Block Diagrams.

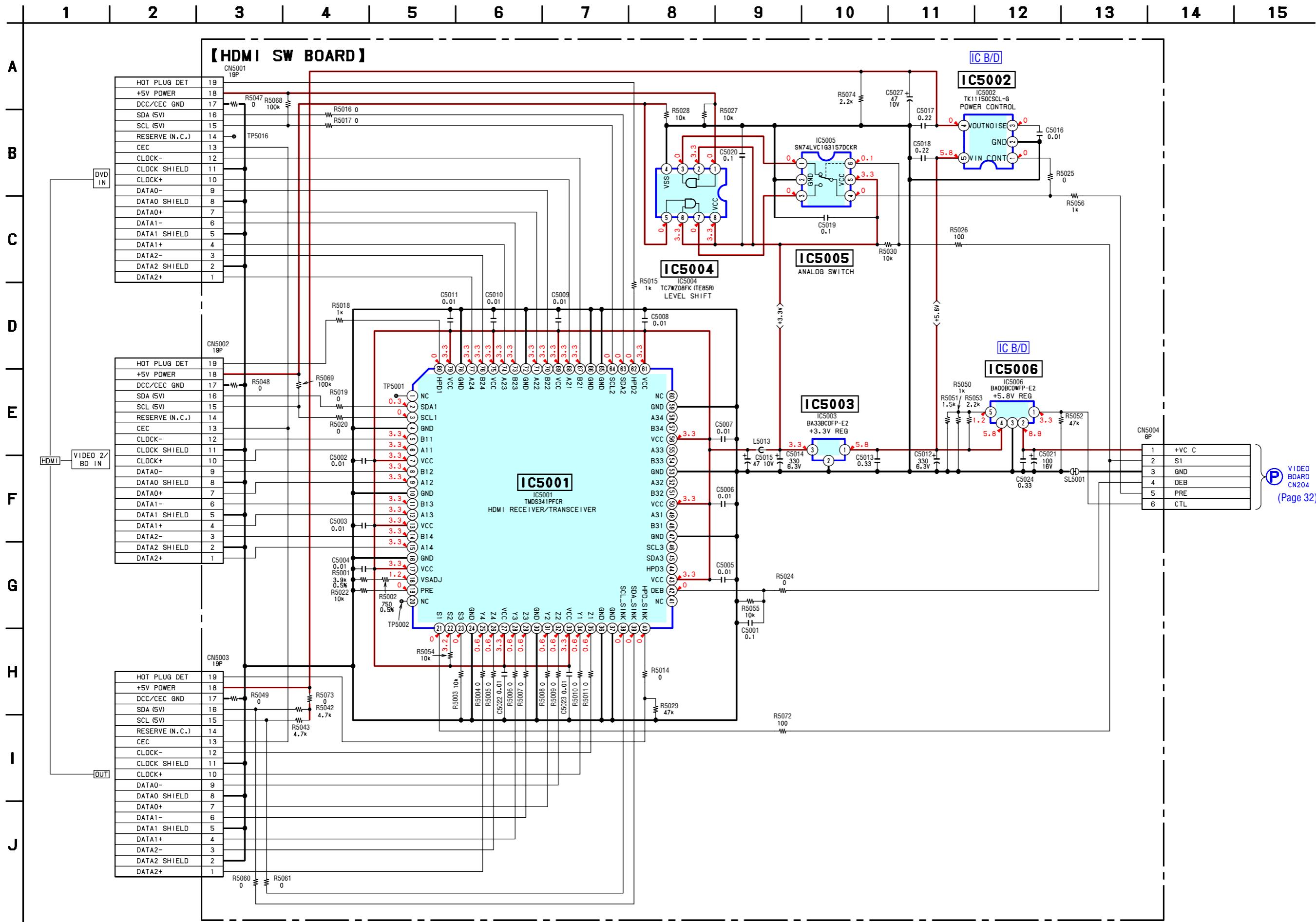


5-19. PRINTED WIRING BOARD — HDMI SW SECTION — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

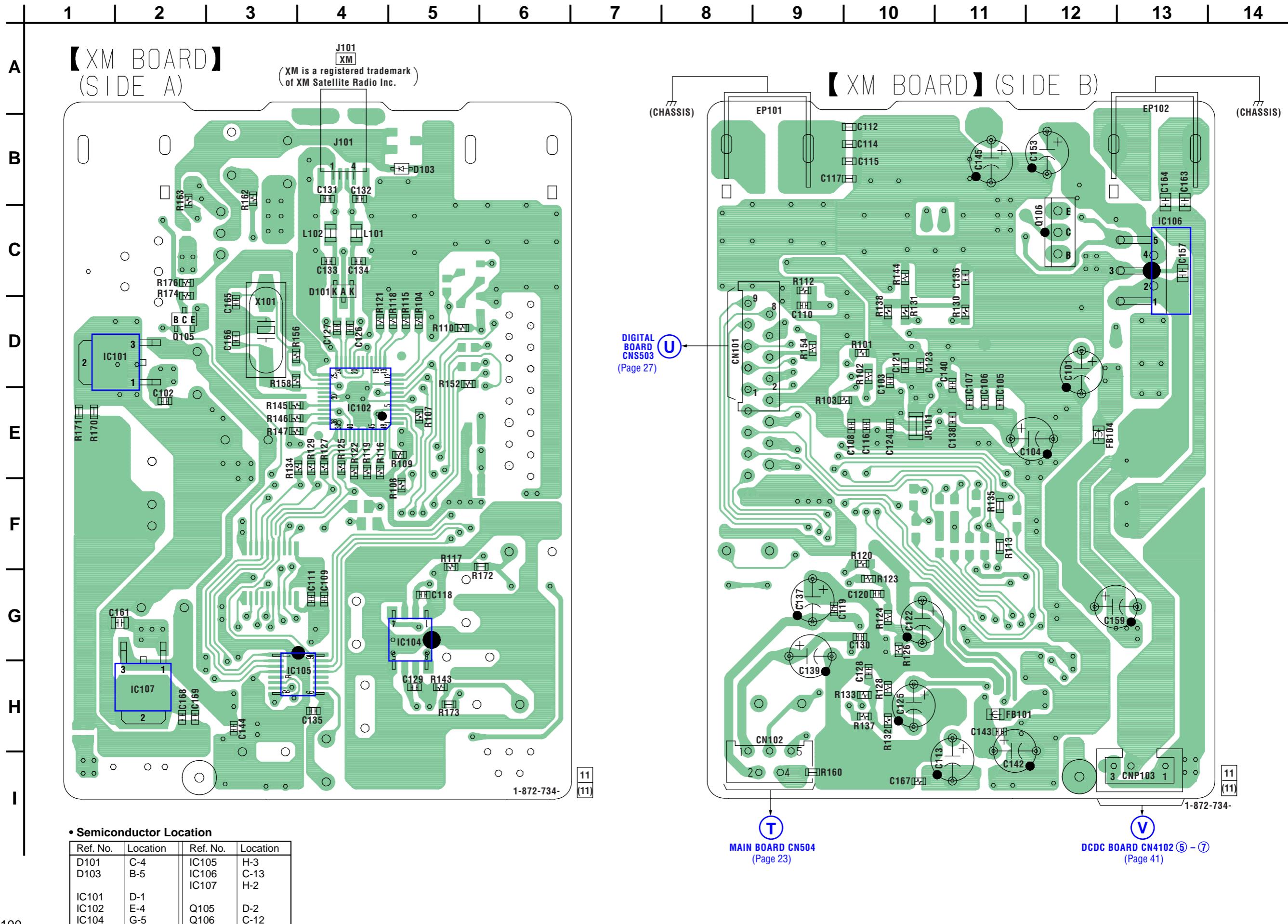


• Refer to page 45 for IC Block Diagrams.

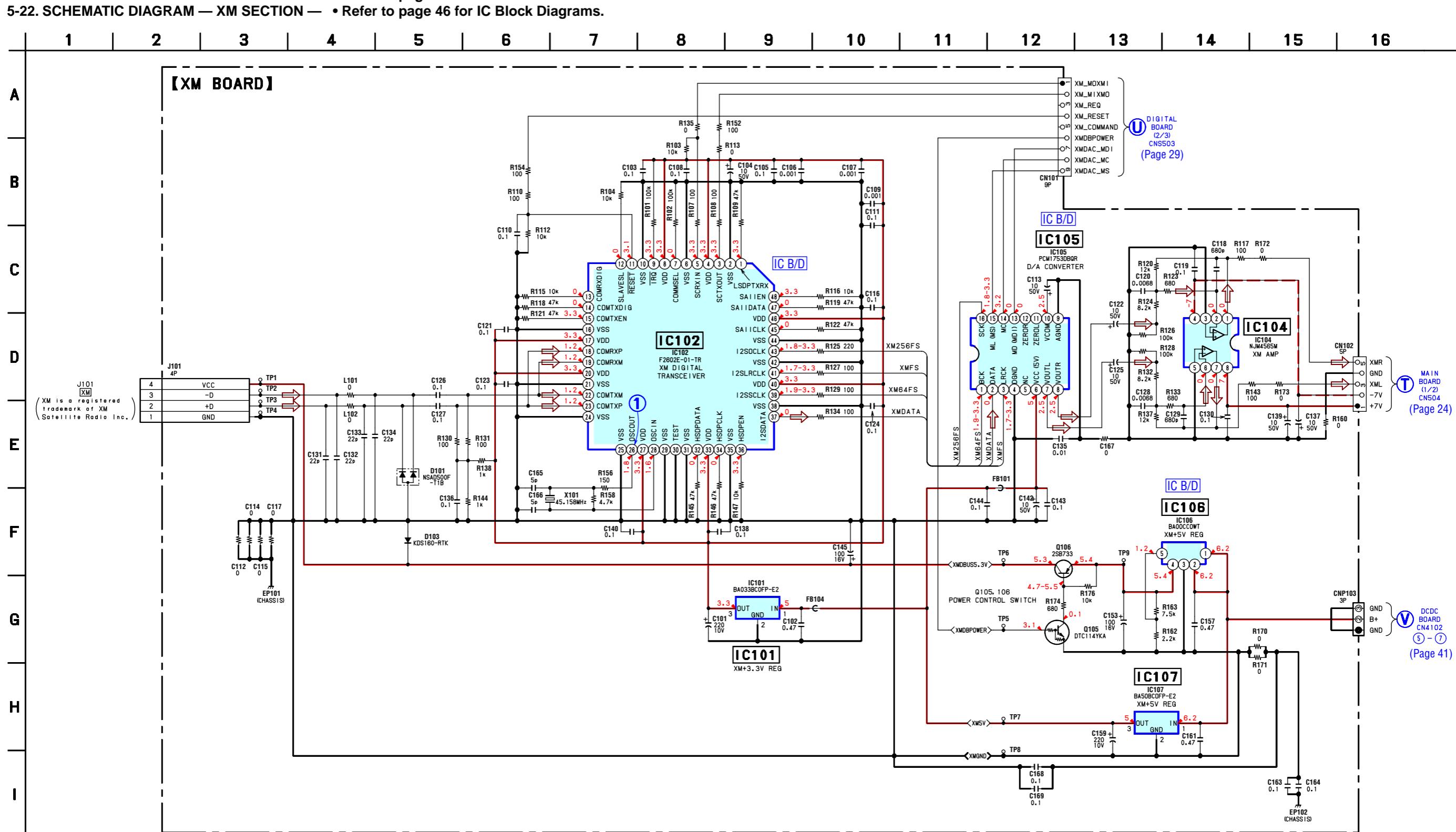
5-20. SCHEMATIC DIAGRAM — HDMI SW SECTION — • Refer to page 53 for IC Pin Description.



5-21. PRINTED WIRING BOARD — XM SECTION — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

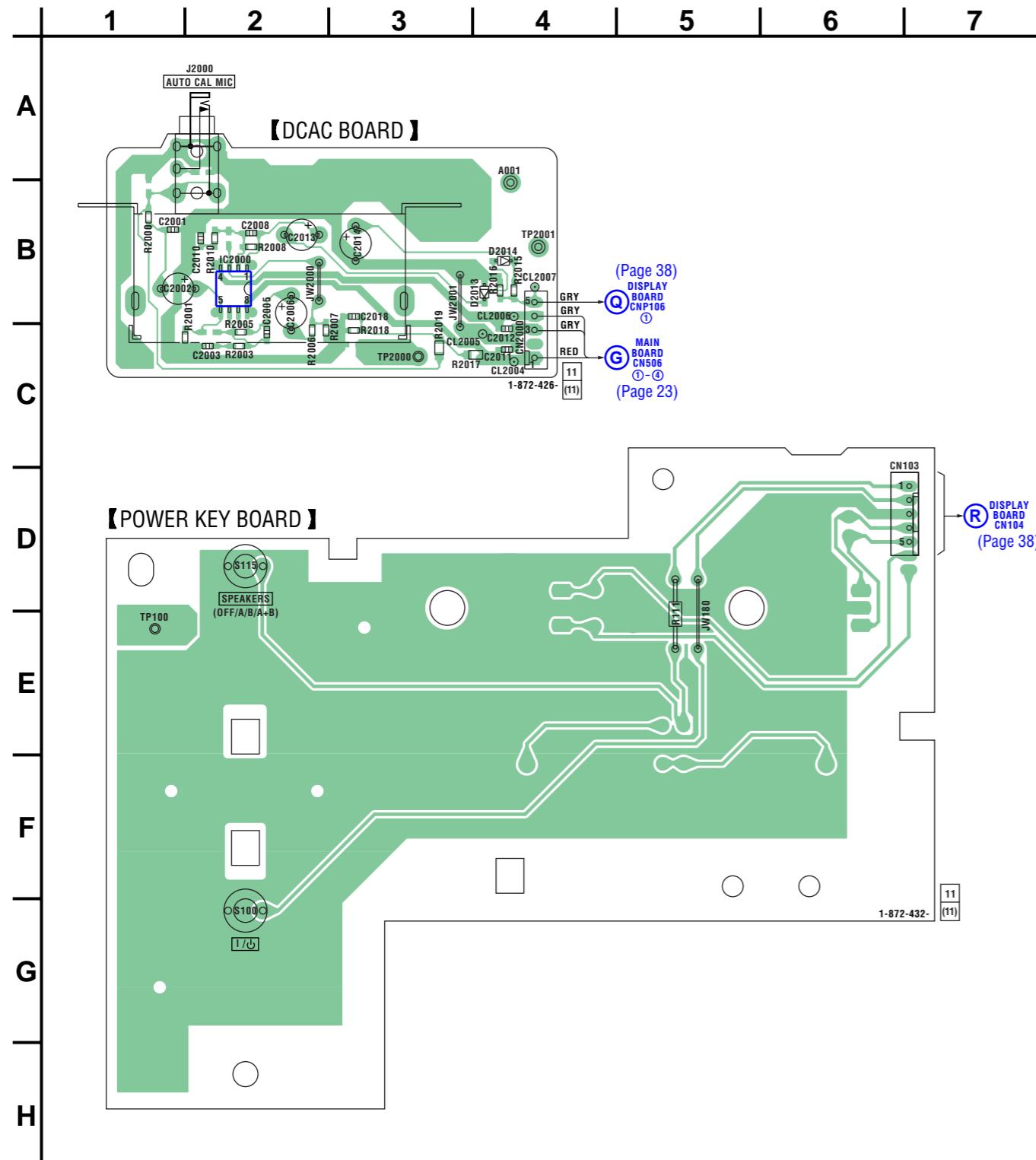
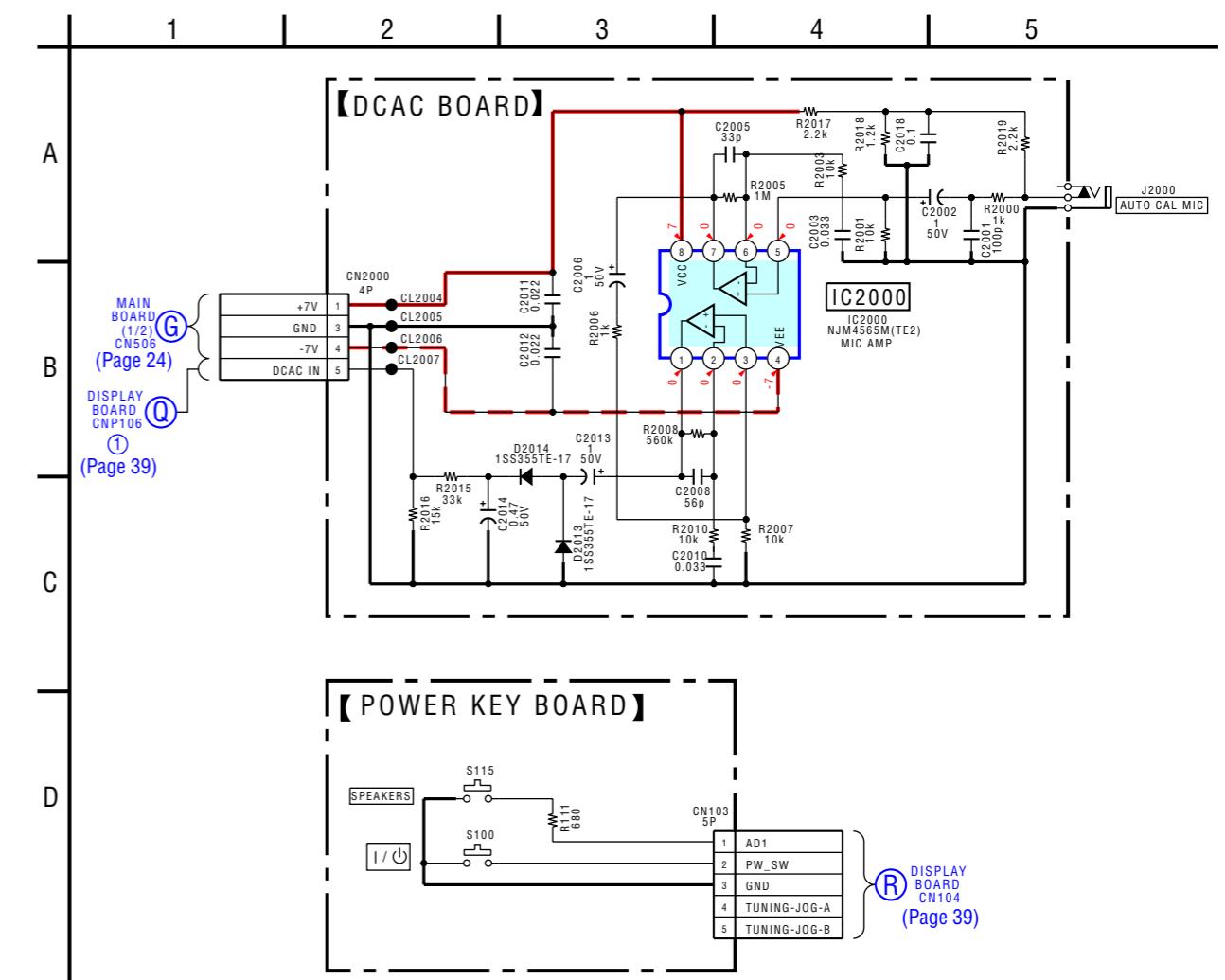


- Refer to page 22 for Waveforms.
- Refer to page 46 for IC Block Diagrams.

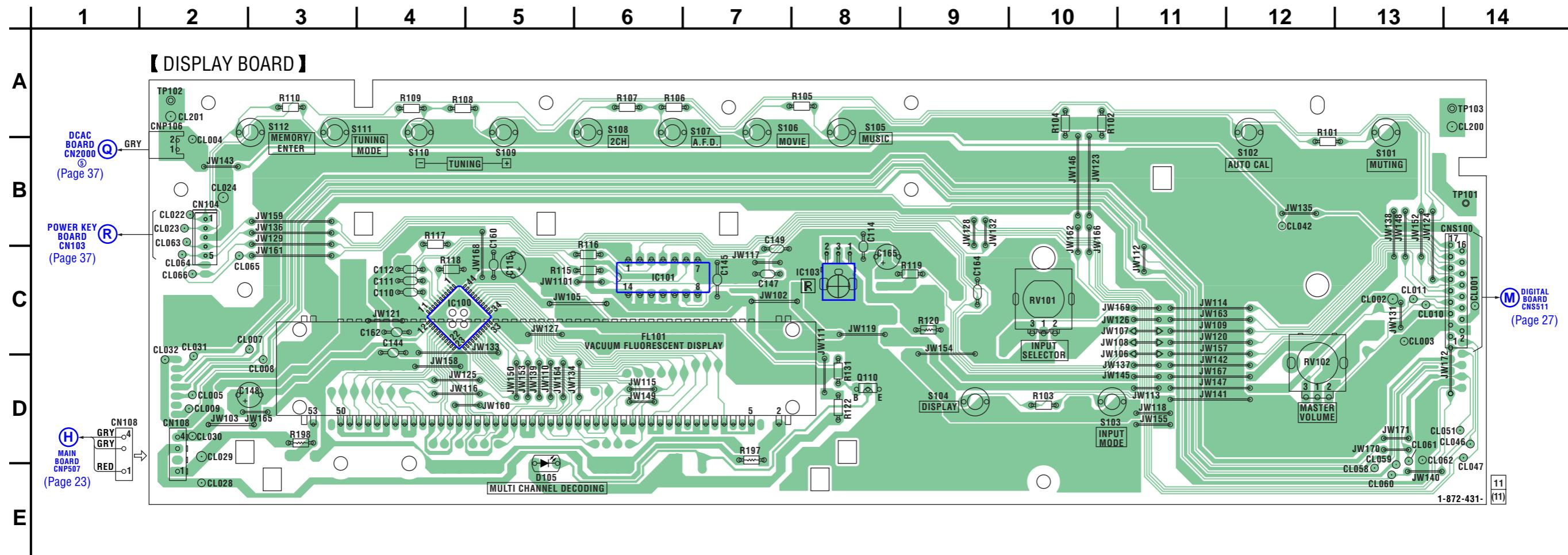


5-23. PRINTED WIRING BOARDS — DCAC, POWER KEY SECTION —

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

**5-24. SCHEMATIC DIAGRAM — DCAC, POWER KEY SECTION —**

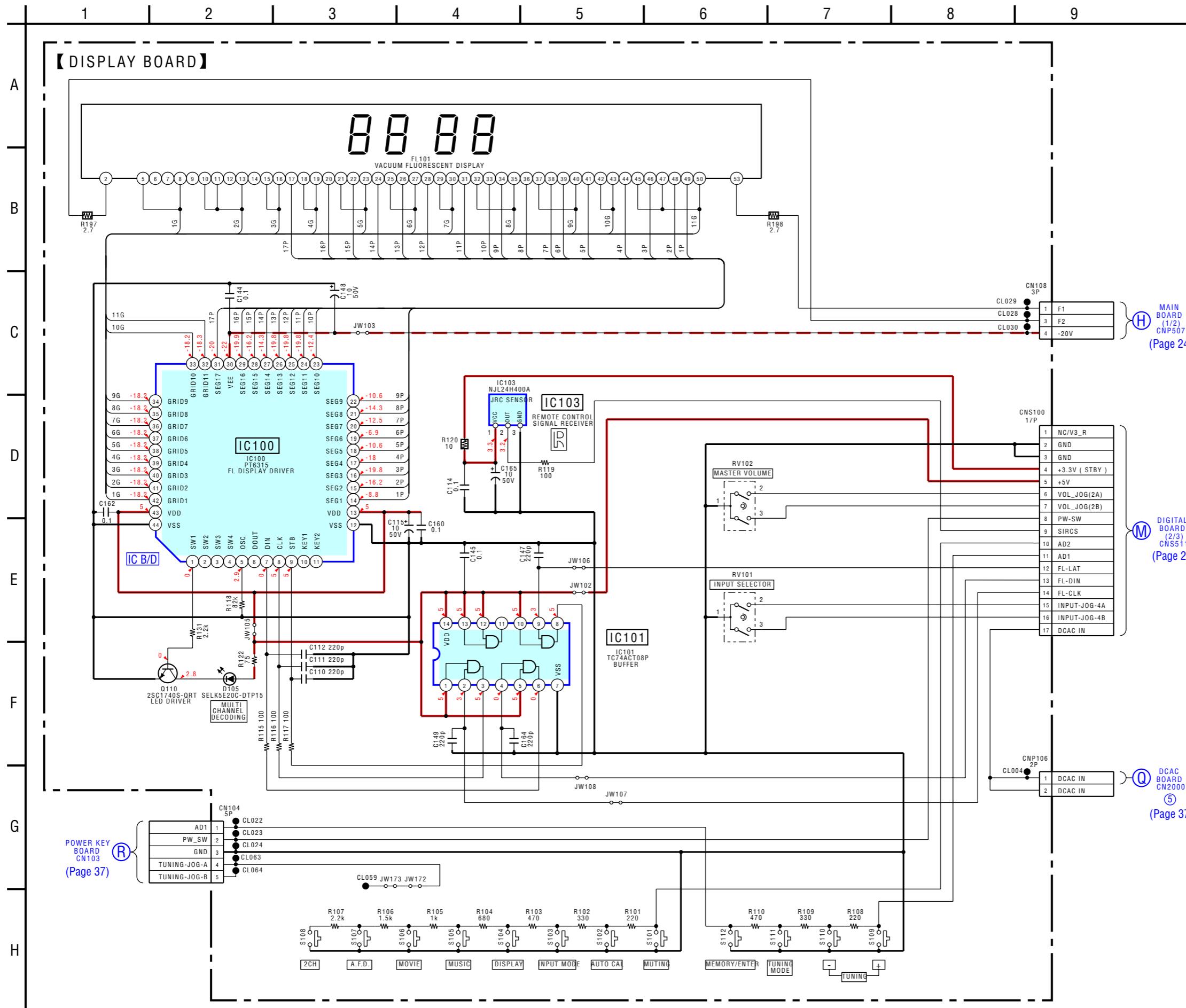
5-25. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

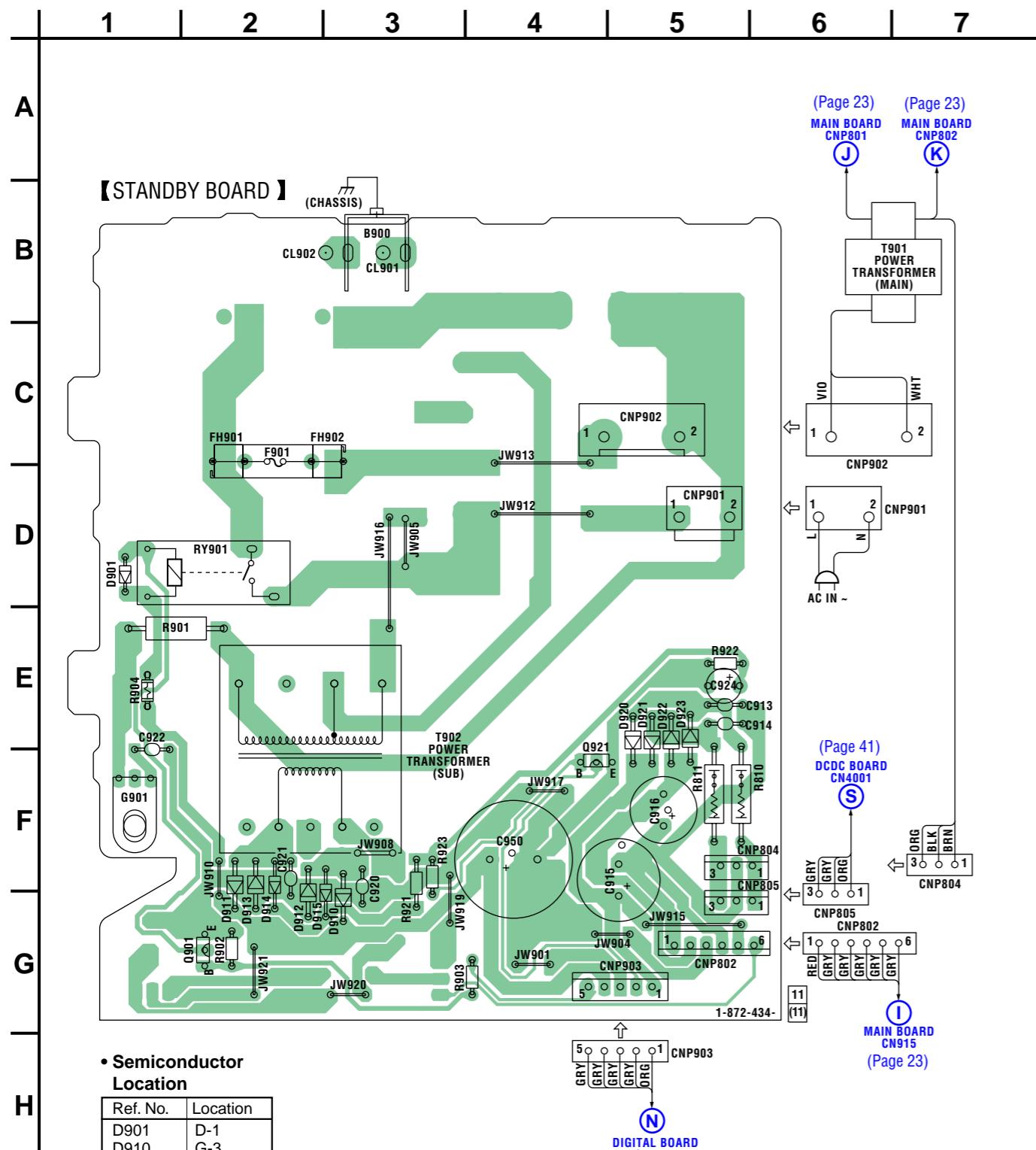
Ref. No.	Location
D105	E-5
IC100	C-4
IC101	C-6
IC103	C-8
Q110	D-8

5-26. SCHEMATIC DIAGRAM — DISPLAY SECTION — • Refer to page 47 for IC Block Diagrams.



5-27. PRINTED WIRING BOARD — POWER SECTION —

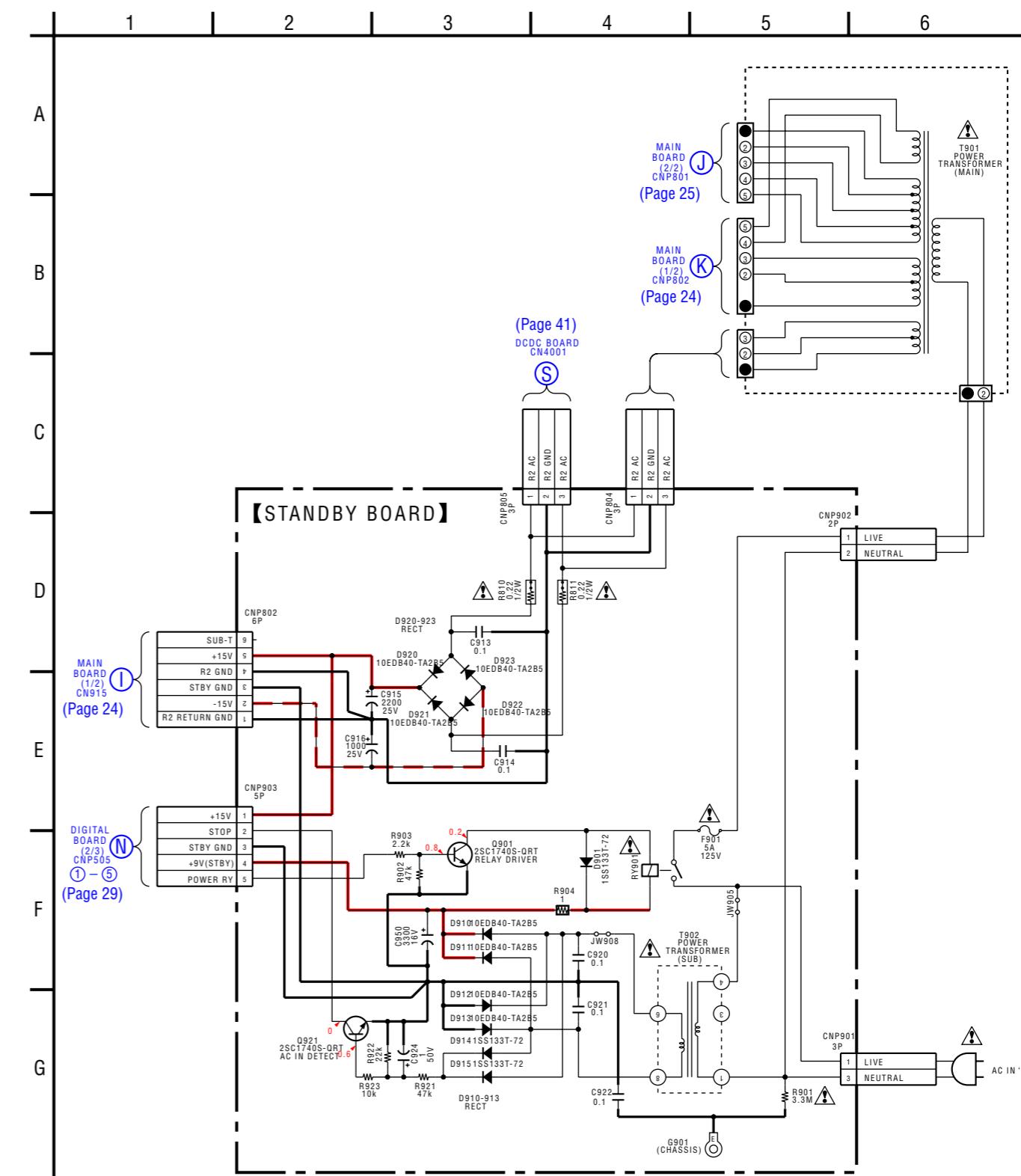
• Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

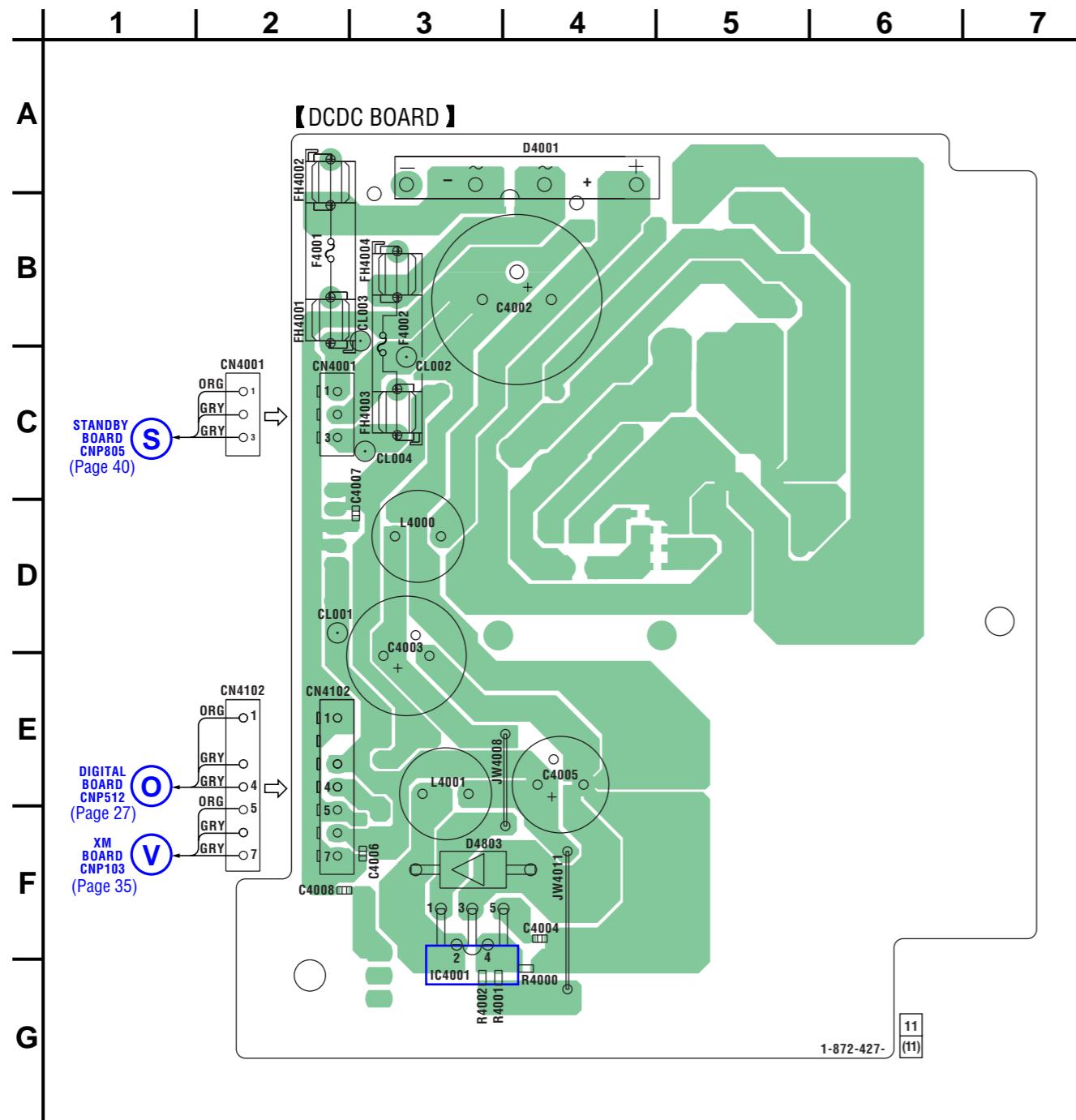
Ref. No.	Location
D901	D-1
D910	G-3
D911	G-2
D912	G-2
D913	G-2
D914	G-2
D915	G-2
D920	E-5
D921	E-5
D922	E-5
D923	E-5
Q901	G-2
Q921	F-4

5-28. SCHEMATIC DIAGRAM — POWER SECTION —

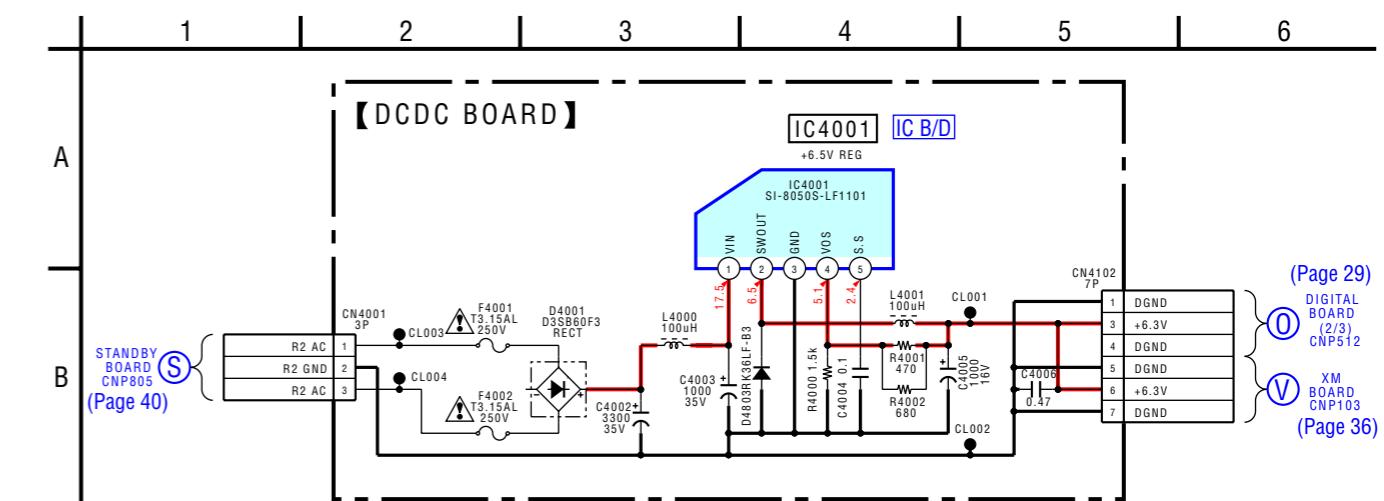


5-29. PRINTED WIRING BOARD — DCDC SECTION —

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

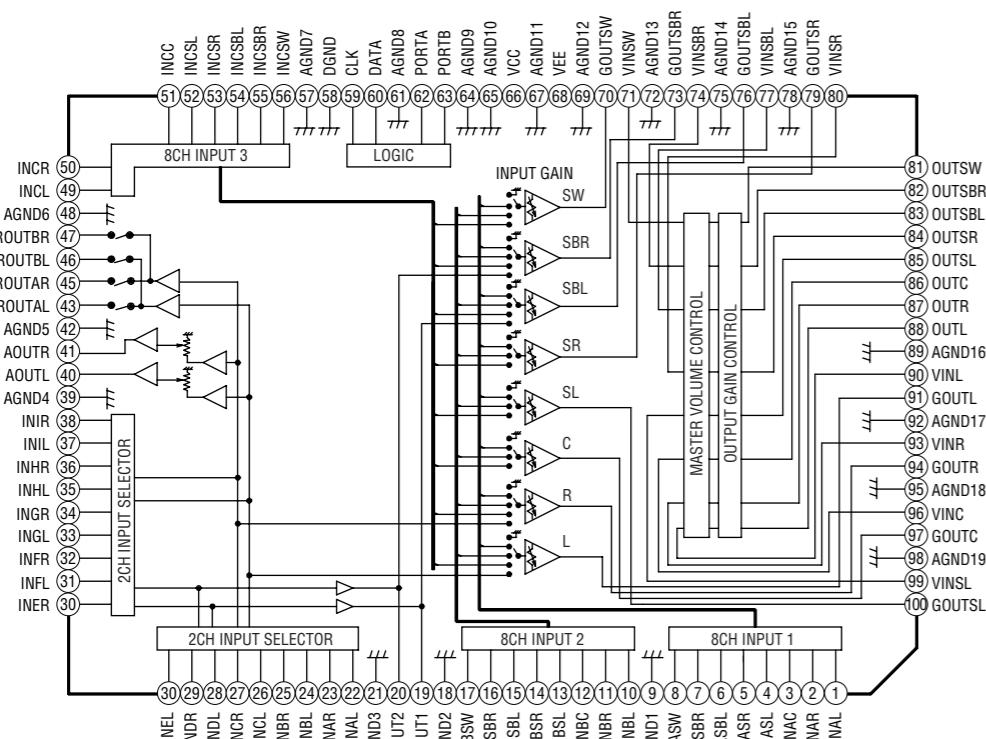


5-30. SCHEMATIC DIAGRAM — DCDC SECTION — • Refer to page 47 for IC Block Diagrams.

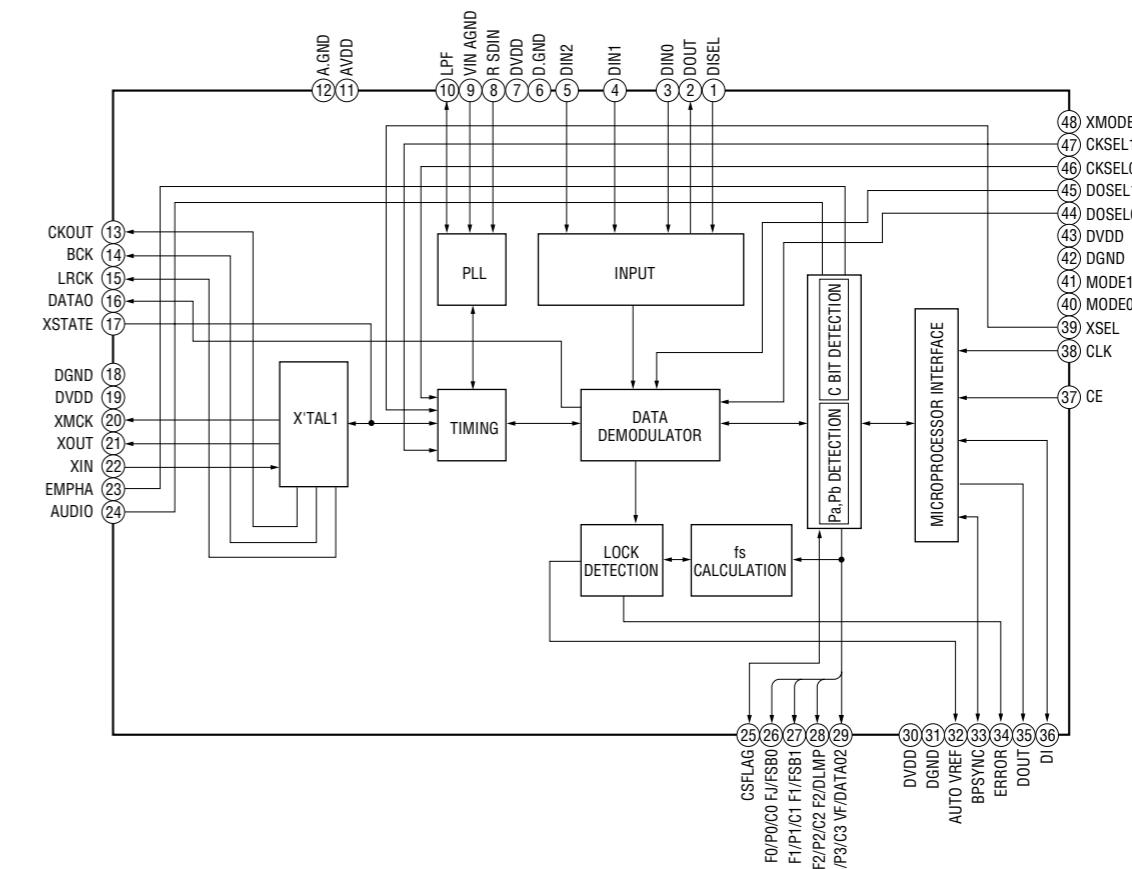


• IC Block Diagrams

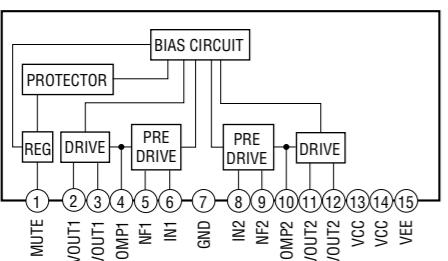
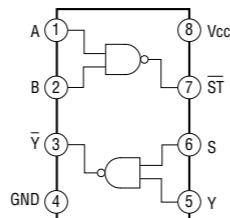
IC401 BD3451KS (MAIN Board (1/2))



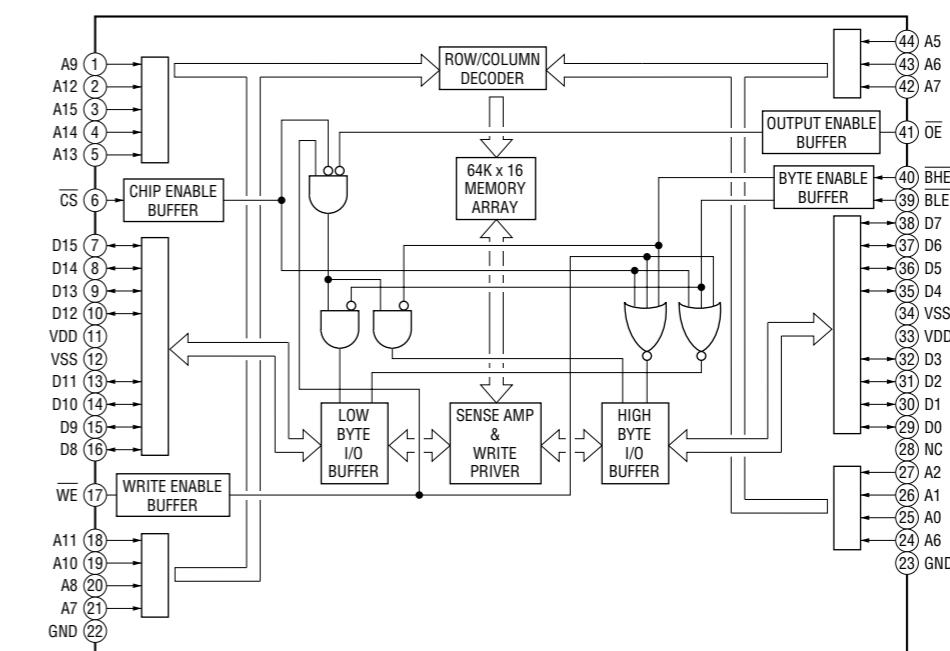
IC1301 LC89056W-E (DIGITAL Board (1/3))



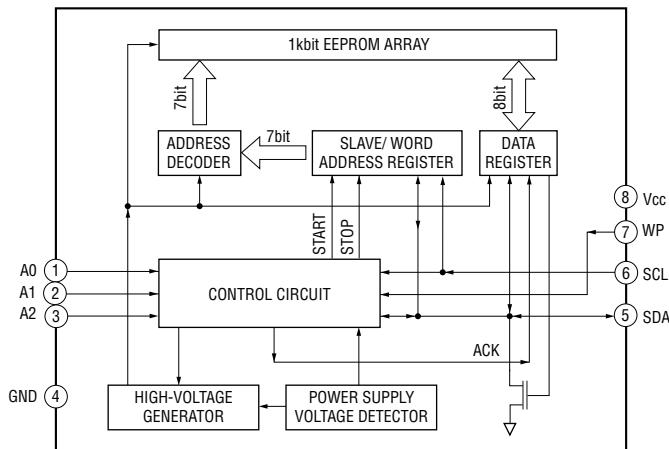
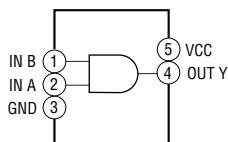
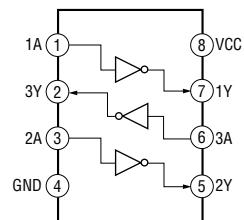
IC501 μPC2581V-S (MAIN Board (2/2))
IC601 μPC2581V-S (MAIN Board (2/2))
IC701 μPC2581V-S (MAIN Board (2/2))

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

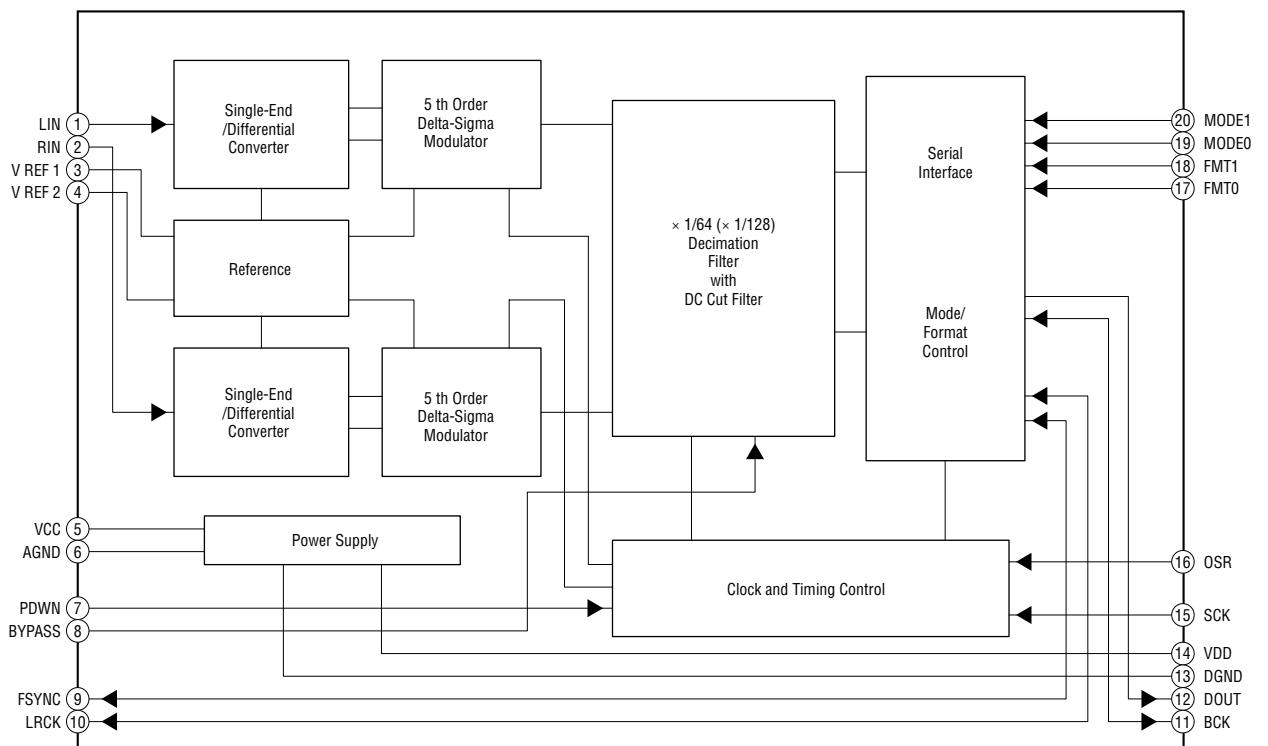
IC1502 IS61WV6416BLL-12TLI (DIGITAL Board (1/3))



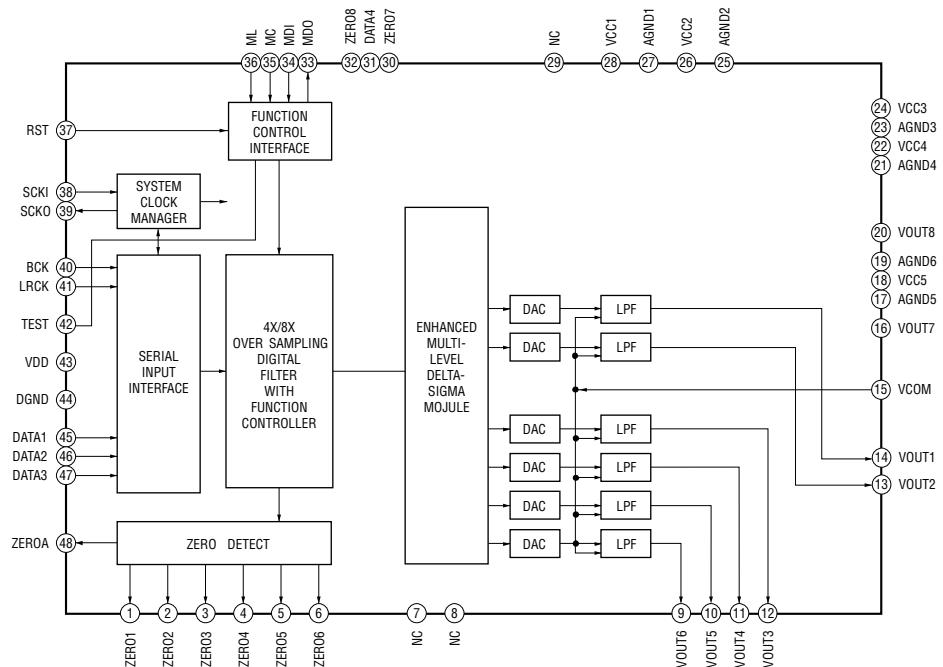
IC1131 BR24L16FJ-WE2 (DIGITAL Board (2/3))

IC1700 TC7S08FU(TE85R)
(DIGITAL Board (2/3))IC1710 TC7W14FU(TE12R)
(DIGITAL Board (2/3))

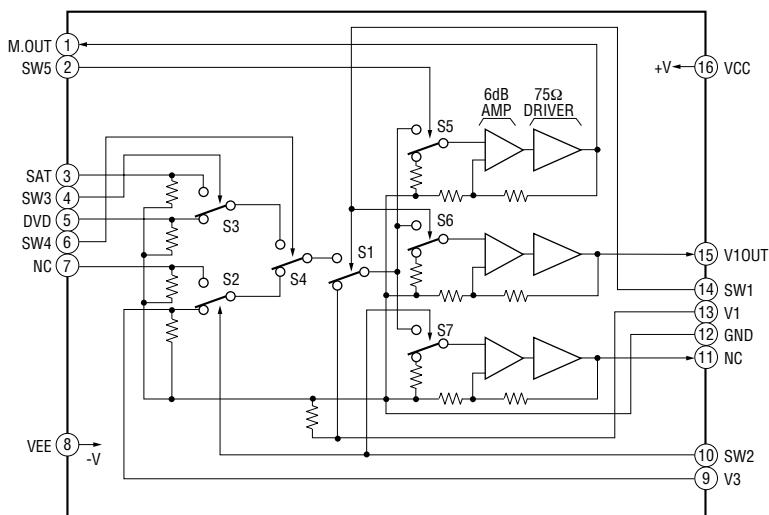
IC1401 PCM1803DBR (DIGITAL Board (3/3))



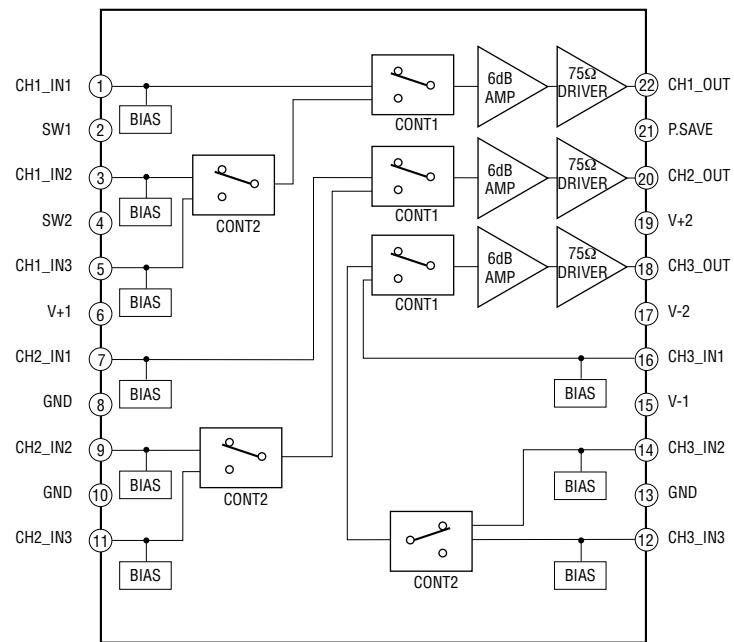
IC1452 PCM1602APT (DIGITAL Board (3/3))



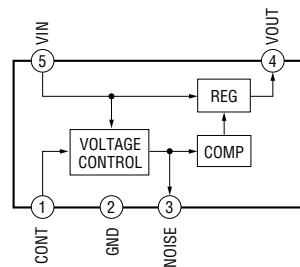
IC203 NJM2595D (VIDEO Board)



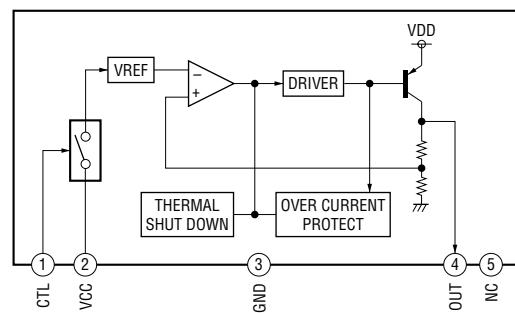
IC304 NJM2586AL (VIDEO Board)



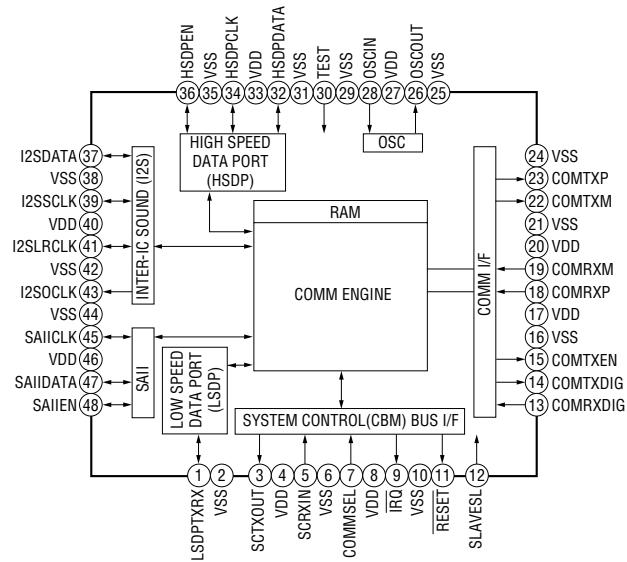
IC5002 TK11150CSCL-G (HDMI SW Board)



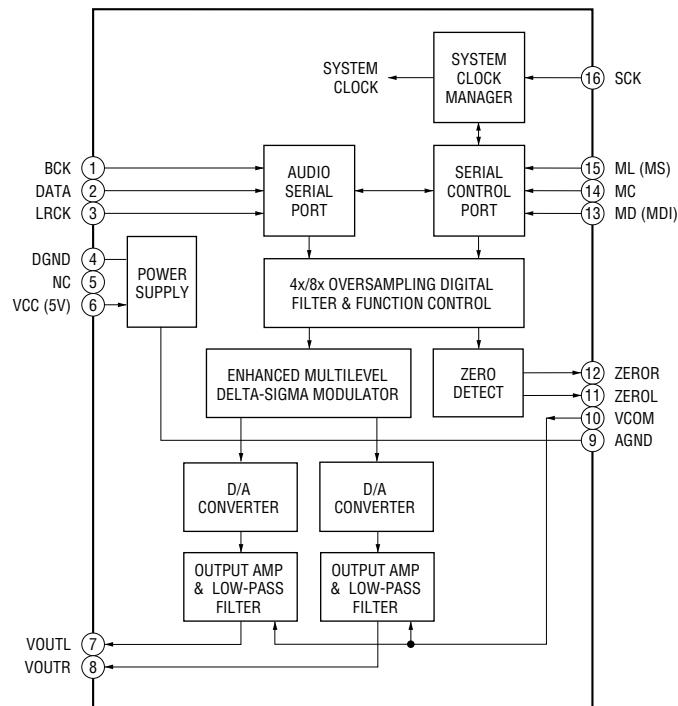
IC5006 BA00BC0WFP-E2 (HDMI SW Board)



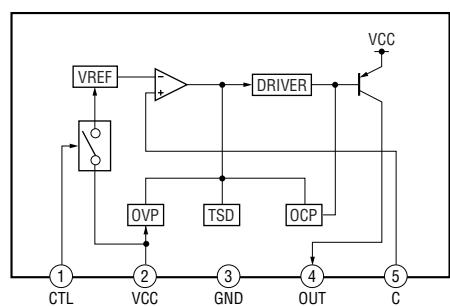
IC102 F2602E-01-TR (XM Board)



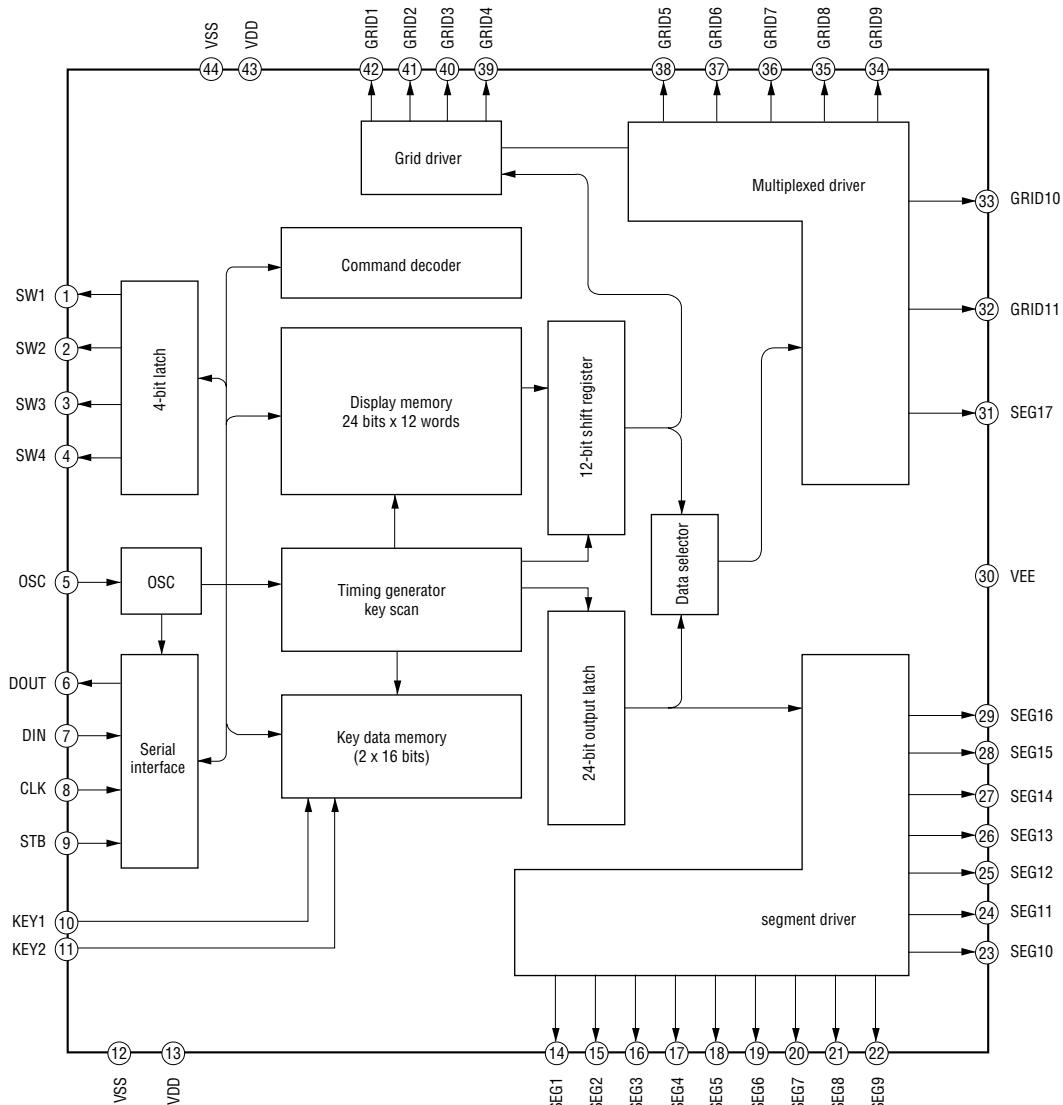
IC105 PCM1753DBQR (XM Board)



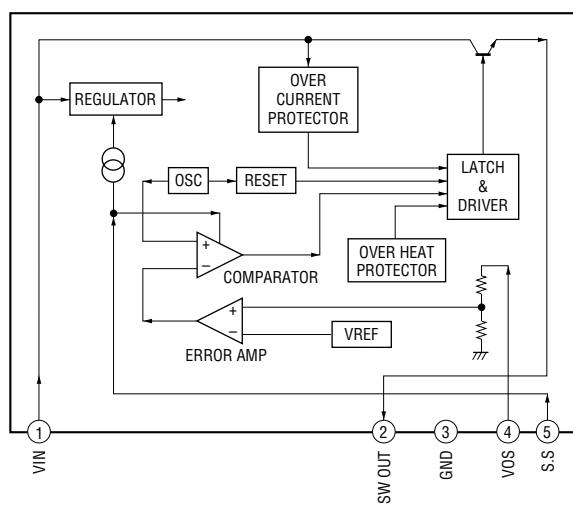
IC106 BA00CC0WT(-V5) (XM Board)



IC100 PT6315 (DISPLAY Board)



IC4001 SI-8050S-LF1101 (DCDC Board)



• IC Pin Descriptions

IC1501 CXD9718BQ (DIGITAL SIGNAL PROCESSOR) (DIGITAL BOARD (1/3))

Pin No.	Pin Name	I/O	Pin Description
1	VSS	—	Ground pin
2	XRST	I	Reset signal input from system control IC
3	EXTIN	I	Not used. (Connect to ground.)
4	LRCKI3	I	Not used. (Connect to ground.)
5	VDDI	I	Power supply pin (+1.9 V)
6	BCKI3	I	Not used. (Connect to ground.)
7	PLOCK	O	Not used. (Open)
8	VSS	—	Ground pin
9	MCLK1	I	Clock signal input (13.9 MHz)
10	VDDI	I	Power supply pin (+1.9 V)
11	VSS	—	Ground pin
12	MCLK2	O	Clock signal output (13.9 MHz)
13	MS	I	Not used. (Fixed at L.)
14	SCKOUT	O	Internal system clock signal output for 6CH D/A converter IC
15	LRCKI1	I	Sampling clock signal input from A/D converter IC
16	VDDE	I	Power supply pin (+3.3 V)
17	BCKI1	I	Bit clock signal input from A/D converter IC
18	SDI1	I	Audio IF data input from A/D converter IC
19	LRCKO	O	Sampling clock signal output for 6CH D/A converter IC
20	BCKO	O	Bit clock signal output for 6CH D/A converter IC
21	VSS	—	Ground pin
22	KFSIO	I/O	Audio clock signal (384fs/256fs) input/output for digital audio interface receiver IC
23 to 26	SDO1 to SDO4	O	Digital audio serial data output for 6CH D/A converter IC
27	SPDIF	O	Not used. (Open)
28	LRCKI2	I	Sampling clock signal input from A/D converter IC
29	BCKI2	I	Bit clock signal input from A/D converter IC
30	SDI2	I	Digital audio serial data input from digital audio interface receiver IC
31	VSS	—	Ground pin
32	HACN	O	Acknowledge signal output for system control IC
33	HDIN	I	Serial data input from system control IC
34	HCLK	I	Clock signal input from system control IC
35	HDOUT	O	Serial data output for system control IC
36	HCS	I	Chip select signal input from system control IC
37	GP12	I	GP12 signal input from system control IC
38, 39	GP13, GP14	O	Not used. (Open)
40	VDDI	I	Power supply pin (+1.9 V)
41	VSS	—	Ground pin
42	GP15	O	Not used. (Open)
43	OE0	O	SDRAM enable signal output
44	CS0	O	External memory chip select signal output for SDRAM IC
45	WE0	O	SDRAM write enable signal output for SDRAM IC
46	VDDE	I	Power supply pin (+3.3 V)
47	WMD1	I	Not used. (Fixed at H.)
48	VSS	—	Ground pin
49	WMD0	I	Not used. (Fixed at H.)
50	PAGE2	O	Not used. (Open)
51	VSS	—	Ground pin
52, 53	PAGE1, PAGE0	O	Not used. (Open)
54	BOOT	I	Not used. (Connect to ground.)
55	TST1	O	Not used. (Open)
56	BST	I	Boot stop signal input

Pin No.	Pin Name	I/O	Pin Description
57	MOD1	I	Operation mode signal input (L: 386fs, H: 256fs) (Fixed at H.)
58	MOD0	I	Operation mode signal input (L: single chip mode, H: use prohibited) (Fixed at L.)
59	EXLOCK	I	Error detection signal input from digital audio interface receiver IC
60	VDDI	I	Power supply pin (+1.9 V)
61	VSS	—	Ground pin
62, 63	A17, A16	O	Not used. (Open)
64 to 66	A15 to A13	O	External memory address signal output for SDRAM IC
67	GP10	O	Not used. (Open)
68	GP9	O	GP9 signal output for system control IC
69	GP8	I	Audio signal input from digital audio interface receiver IC
70	VDDI	I	Power supply pin (+1.9 V)
71	VSS	—	Ground pin
72 to 75	D15/GP7 to D12/GP4	I/O	External memory data input/output for SDRAM IC
76	VDDE	I	Power supply pin (+3.3 V)
77 to 80	D11/GP3 to D8/GP0	I/O	External memory data input/output for SDRAM IC
81	VSS	—	Ground pin
82	A9	O	External memory address signal output for SDRAM IC
83 to 85	A12 to A10	O	External memory address signal output for SDRAM IC
86	TDO	O	Not used. (Fixed at H.)
87	TMS	I	Not used. (Fixed at H.)
88	XTRST	I	Not used. (Fixed at H.)
89	TCK	I	Not used. (Fixed at H.)
90	TDI	I	Not used. (Fixed at H.)
91	VSS	—	Ground pin
92 to 97	A8 to A3	O	External memory address signal output for SDRAM IC
98, 99	D7, D6	I/O	External memory data input/output for SDRAM IC
100	VDDI	I	Power supply pin (+1.9 V)
101	VSS	—	Ground pin
102 to 105	D5 to D2	I/O	External memory data input/output for SDRAM IC
106	VDDE	I	Power supply pin (+3.3 V)
107, 108	D1, D0	I/O	External memory data input/output for SDRAM IC
109, 110	A2, A1	O	External memory address signal output for SDRAM IC
111	VSS	—	Ground pin
112	A0	O	External memory address signal output for SDRAM IC
113	PM	I	PLL initialization signal input from system control IC
114, 115	SDI3, SDI4	I	Not used. (Open)
116	SYNC	I	Sync/async select signal input (L: sync, H: async) (Fixed at H.)
117	TST2	I	Not used. (Connect to ground.)
118	GP11	I	Not used. (Connect to ground.)
119	TST3	I	Not used. (Connect to ground.)
120	VDDI	I	Power supply pin (+1.9 V)

IC1907 MB91353APMT-G-112E1 (SYSTEM CONTROL) (DIGITAL BOARD (2/3))

Pin No.	Pin Name	I/O	Pin Description
1	HDMI MUTE	I	HDMI mute signal input Not used in this set. (Open)
2	HDMI RESET/HDMI PRE	O	HDMI reset signal output
3	XM RESET	O	XM reset signal output
4	XMDACMDI/ PCM1609 MDI	O	XM D/A converter MDI signal output
5	XMDACMC/ PCM1609 MC	O	XM D/A converter MC signal output
6	XMDACMS	O	XM D/A converter MS signal output
7	SUB T	O	Sub T signal output Not used in this set. (Open)
8	HP DETECT	I	Headphone detect signal input
9	POWER RY	O	Power relay control signal output
10	VOL CL	O	Volume serial clock signal output
11	VOL DA	O	Volume serial latch signal output
12	PROTECTOR	I	Protect control signal input
13	BRIDGEABLE RY	O	Bridgeable relay control signal output
14	FUSE DETECT	I	Fuse detect signal input
15	VOL ENCODER(B) UP	I	Volume encoder signal input (up)
16	VOL ENCODER(A) DOWN	I	Volume encoder signal input (down)
17	FRONT B RY	O	Front B speakers relay control signal output
18	GND	—	Ground pin
19	VCC	—	Power supply pin (+3.3 V)
20	INPUT ENCODER A	I	Input select encoder signal input A
21	INPUT ENCODER B	I	Input select encoder signal input B
22	SW RY	O	Sub woofer relay control signal output
23	HP RY	O	Headphone relay control signal output
24	C/REAR/SB RY	O	Center/surround speaker relay control signal output
25	FRONT RY	O	Front speaker relay control signal output
26	TUN DO	I	Tuner serial data signal input
27	TUN LAT	O	Tuner serial latch signal output
28	V MUTE	O	Video mute control signal output
29	V COMP SW2	O	Video component select switch control signal output 2
30	V COMP SW1	O	Video component select switch control signal output 1
31	V SW4	O	Video input select switch control signal output 4
32	V SW3	O	Video input select switch control signal output 3
33	V SW2	O	Video input select switch control signal output 2
34	V SW1	O	Video input select switch control signal output 1
35	TUNING ENCODER A	I	Tuning encoder signal input A Not used in this set.
36	TUNING ENCODER B	I	Tuning encoder signal input B Not used in this set.
37	PCM1609 RESET	O	A/D and D/A converters reset signal output
38	DIR XMODE	O	Digital audio interface receiver reset signal output
39	DIR CLK SEL	O	Digital audio interface receiver serial clock select signal output
40	VSS	—	Ground pin
41	TC74HC153A	O	Input select switch control signal output A
42	TC74HC153B	O	Input select switch control signal output B
43	VSS	—	Ground pin
44	VCC	—	Power supply pin (+3.3 V)
45	DIR CLK	O	Digital audio interface receiver serial clock signal output
46	DIR CE(LAT)	O	Digital audio interface receiver serial latch signal output
47	DIR DI	O	Digital audio interface receiver serial data signal output
48	DIR DO	I	Digital audio interface receiver serial data signal input

Pin No.	Pin Name	I/O	Pin Description
49	DIR ERROR	I	Digital audio interface receiver error signal input
50	DIR XSTATE	I	Digital audio interface receiver state signal input
51	NMI	I	Non Maskable interrupt input
52	MD2	I	Operation mode setting pin 2
53	MD1	I	Operation mode setting pin 1 (Connect to GND.)
54	MD0	I	Operation mode setting pin 0 (Connect to GND.)
55	INIT	I	External reset signal input
56	VCC	I	Power supply pin (+3.3 V)
57	X1	O	High speed clock output (12.5 MHz) (Main clock)
58	X0	I	High speed clock input (12.5 MHz) (Main clock)
59	VSS	—	Ground pin
60	X0A	I	Low speed clock input (Sub clock) Not used in this set. (Connect to GND.)
61	X1A	O	Low speed clock output (Sub clock) Not used in this set. (Open)
62	RST TRG	I	Reset trigger signal input
63	DIR DATA0	I	Digital audio interface receiver serial data signal input
64	BST SEL	O	Burst select signal output
65	GP9	I	GP9 address strobe signal input
66	BST	O	Burst signal output
67	HCS	O	HCS signal output
68	HACN	I	HACN signal output
69	DSP RESET	O	Digital signal processor reset signal output
70	FL CLK	O	Fluorescent display serial clock signal output
71	FL DATA	O	Fluorescent display serial data signal output
72	PCM1609 ML	O	ML signal output
73	PM	O	PM signal output
74	GP12	O	GP12 address strobe signal output
75	PCM1609 MDO	I	MD signal input
76	VSS	—	Ground pin
77	VCC	I	Power supply pin (+3.3 V)
78	FL LAT	O	Fluorescent display serial latch signal output
79	TUNER CLK	O	Tuner serial clock signal output
80	TUNER DATA	O	Tuner serial data signal output
81	STOP	I	Stop signal input
82	SIRCS IN	I	Remote control signal input
83	ERROR SEL	I	Error select signal input Not used in this set. (Open)
84	RDS CLK/XMDBPOWER	I/O	XMDB power control signal output
85	POWER KEY	I	Power key signal input
86	RDS DATA/XM COM	I	XM command signal input
87	DCAC DSP IN	I	DCAC display in signal input
88	HDMI CEC IN/HDMI OED	I	HDMI OED signal input
89	HDMI UART IN/HDMI S1	I	HDMI select signal input
90	HDMI UART OUT/HDMI S2	O	HDMI select signal output
91	HDMI CEC OUT	O	HDMI CEC signal output Not used in this set. (Open)
92	XM MIXMO	I	XM MIXMO signal input
93	XM MOXMI	O	XM MOXMI signal output
94	HDMI REG CTRL	O	HDMI REG control signal output
95	VCC	I	Power supply pin (+3.3 V)
96	VSS	—	Ground pin
97	EEPROM DATA	I/O	EEPROM serial data signal input/output
98	EEPROM CLK	O	EEPROM serial clock signal output
99	HD OUT	I	HD signal input from digital signal processor

Pin No.	Pin Name	I/O	Pin Description
100	HD IN	O	HD signal output from digital signal processor
101	HD CLK	O	HD serial clock signal output from digital signal processor
102	FLASH2/C LINK UART RX(MICLO)	I	Flash signal input
103	FLASH1/C LINK UART TX(MOCLI)	O	Flash signal output
104	C LINK DET	I	DMPORT link detect signal input
105	DA1	I	Not used in this set. (Open)
106	DA0	I	Not used in this set. (Open)
107	DAVS	—	Ground pin
108	DAVC	I	Power supply pin (+3.3 V) for D/A converter
109	AVCC	I	Analog power supply pin (+3.3 V) for A/D converter
110	AVRH	I	Standard power supply pin (+3.3 V) for A/D converter
111	AVSS/AVRL	—	Analog ground pin for A/D converter
112	VSS	—	Ground pin
113	DCAC IN	I	DCAC IN signal input
114	AD KEY1	I	AD key signal input 1
115	AD KEY2	I	AD key signal input 2
116	VERSION	I	Not used in this set. (Connect to GND.)
117	TUNER SD	I	Tuner SD signal input
118	MODEL	I	Model select signal input (Connect to GND in this set.)
119	VACS CTRL	I	VACS control signal input
120	NO USE	I	Not used.

IC5001 TMDS341PFCR (HDMI RECEIVER/TRANSCEIVER) (HDMI SW BOARD)

Pin No.	Pin Name	I/O	Pin Description
1	NC	—	Not used. (Open)
2	SDA1	I/O	I2C two-way data bus with HDMI VIDEO 2/BD IN connector
3	SCL1	I	I2C clock signal input from HDMI VIDEO 2/BD IN connector
4	GND	—	Ground pin
5	B11	I	TMDS clock signal (negative) input from HDMI VIDEO 2/BD IN connector
6	A11	I	TMDS clock signal (positive) input from HDMI VIDEO 2/BD IN connector
7	VCC	—	Power supply pin (+3.3 V)
8	B12	I	TMDS data (negative) input from HDMI VIDEO 2/BD IN connector
9	A12	I	TMDS data (positive) input from HDMI VIDEO 2/BD IN connector
10	GND	—	Ground pin
11	B13	I	TMDS data (negative) input from HDMI VIDEO 2/BD IN connector
12	A13	I	TMDS data (positive) input from HDMI VIDEO 2/BD IN connector
13	VCC	—	Power supply pin (+3.3 V)
14	B14	I	TMDS data (negative) input from HDMI VIDEO 2/BD IN connector
15	A14	I	TMDS data (positive) input from HDMI VIDEO 2/BD IN connector
16	GND	—	Ground pin
17	VCC	—	Power supply pin (+3.3 V)
18	VSADJ	I	TMDS compliant voltage swing control signal input (Fixed at L in this set.)
19	PRE	I	Output de-emphasis setting pin (L: 0 dB, H: 3 dB) (Fixed at L in this set.)
20	NC	—	Not used. (Open)
21	S1	I	Source selection signal input from SYSTEM CONTROL IC
22	S2	I	Source selection signal input from SYSTEM CONTROL IC (Fixed at H in this set.)
23	S3	I	Source selection signal input from SYSTEM CONTROL IC (Fixed at L in this set.)
24	GND	—	Ground pin
25	Y4	O	TMDS data (positive) output for HDMI OUT connector
26	Z4	O	TMDS data (negative) output for HDMI OUT connector
27	VCC	—	Power supply pin (+3.3 V)
28	Y3	O	TMDS data (positive) output for HDMI OUT connector
29	Z3	O	TMDS data (negative) output for HDMI OUT connector
30	GND	—	Ground pin
31	Y2	O	TMDS data (positive) output for HDMI OUT connector
32	Z2	O	TMDS data (negative) output for HDMI OUT connector
33	VCC	—	Power supply pin (+3.3 V)
34	Y1	O	TMDS data (positive) output for HDMI OUT connector
35	Z1	O	TMDS data (negative) output for HDMI OUT connector
36, 37	GND	—	Ground pin
38	SCL_SINK	O	I2C clock signal output for HDMI OUT connector
39	SDA_SINK	I/O	I2C two-way data bus with HDMI OUT connector
40	HPD_SINK	I	Hot plug detection signal input from HDMI OUT connector
41	NC	—	Not used. (Open)
42	OEB	I	Chip enable signal input from SYSTEM CONTROL IC (L: active)
43	VCC	—	Power supply pin (+3.3 V)
44	HPD3	O	Hot plug detection signal output (Not used in this set.)
45	SDA3	I/O	I2C two-way data bus (Not used in this set.)
46	SCL3	I	I2C clock signal input (Not used in this set.)
47	GND	—	Ground pin
48	B31	I	TMDS clock signal (negative) input (Not used in this set.)
49	A31	I	TMDS clock signal (positive) input (Not used in this set.)
50	VCC	—	Power supply pin (+3.3 V)
51	B32	I	TMDS data (negative) input (Not used in this set.)
52	A32	I	TMDS data (positive) input (Not used in this set.)
53	GND	—	Ground pin

Pin No.	Pin Name	I/O	Pin Description
54	B33	I	TMDS data (negative) input (Not used in this set.)
55	A33	I	TMDS data (positive) input (Not used in this set.)
56	VCC	—	Power supply pin (+3.3 V)
57	B34	I	TMDS data (negative) input (Not used in this set.)
58	A34	I	TMDS data (positive) input (Not used in this set.)
59	GND	—	Ground pin
60	NC	—	Not used. (Open)
61	VCC	—	Power supply pin (+3.3 V)
62	HPD2	O	Hot plug detection signal output for HDMI DVD IN connector
63	SDA2	I/O	I2C two-way data bus with HDMI DVD IN connector
64	SCL2	I	I2C clock signal input from HDMI DVD IN connector
65, 66	GND	—	Ground pin
67	B21	I	TMDS clock signal (negative) input from HDMI DVD IN connector
68	A21	I	TMDS clock signal (positive) input from HDMI DVD IN connector
69	VCC	—	Power supply pin (+3.3 V)
70	B22	I	TMDS data (negative) input from HDMI DVD IN connector
71	A22	I	TMDS data (positive) input from HDMI DVD IN connector
72	GND	—	Ground pin
73	B23	I	TMDS data (negative) input from HDMI DVD IN connector
74	A23	I	TMDS data (positive) input from HDMI DVD IN connector
75	VCC	—	Power supply pin (+3.3 V)
76	B24	I	TMDS data (negative) input from HDMI DVD IN connector
77	A24	I	TMDS data (positive) input from HDMI DVD IN connector
78	GND	—	Ground pin
79	VCC	—	Power supply pin (+3.3 V)
80	HPD1	O	Hot plug detection signal output for HDMI VIDEO 2/BD IN connector

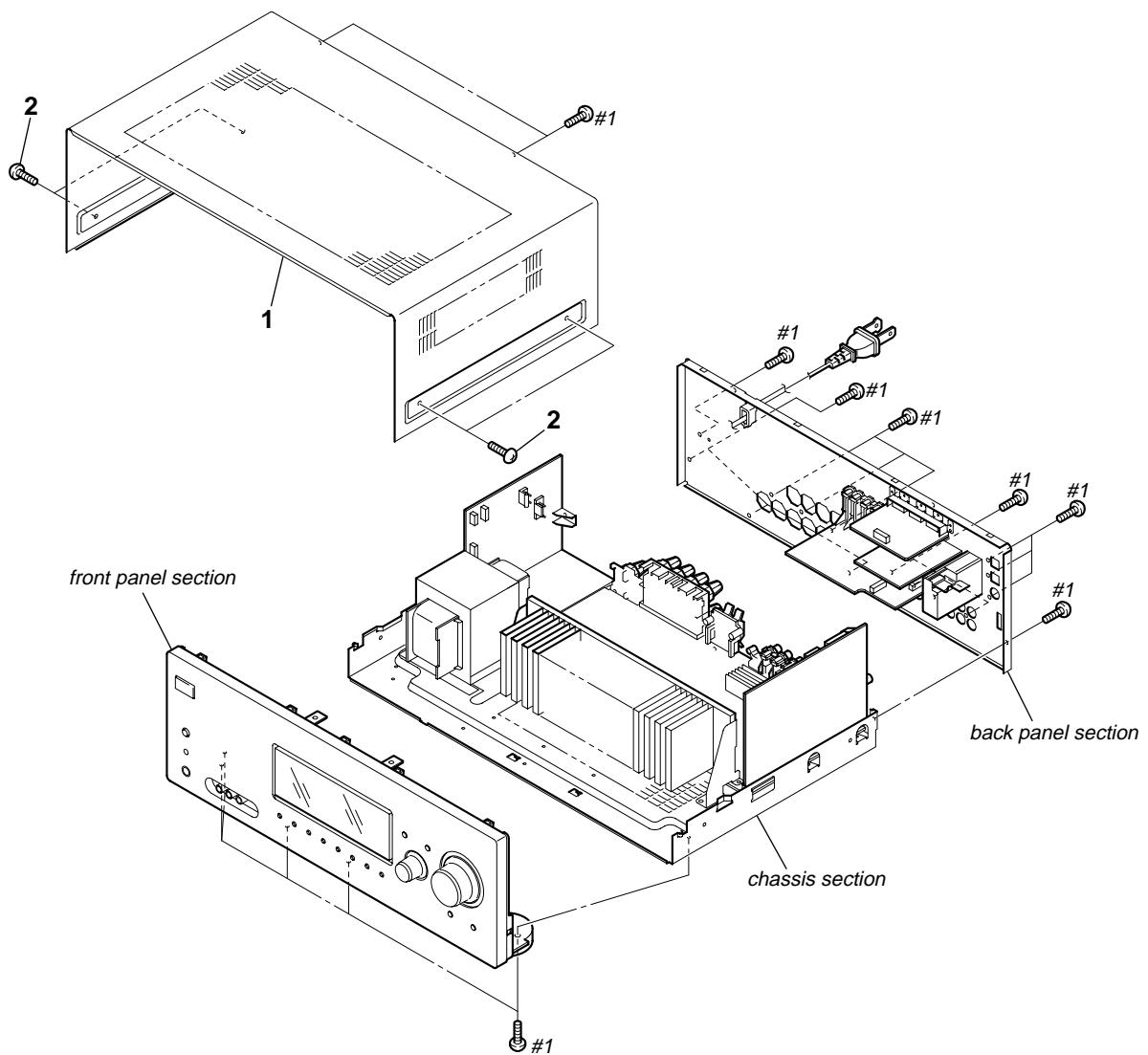
SECTION 6 EXPLODED VIEWS

NOTE:

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

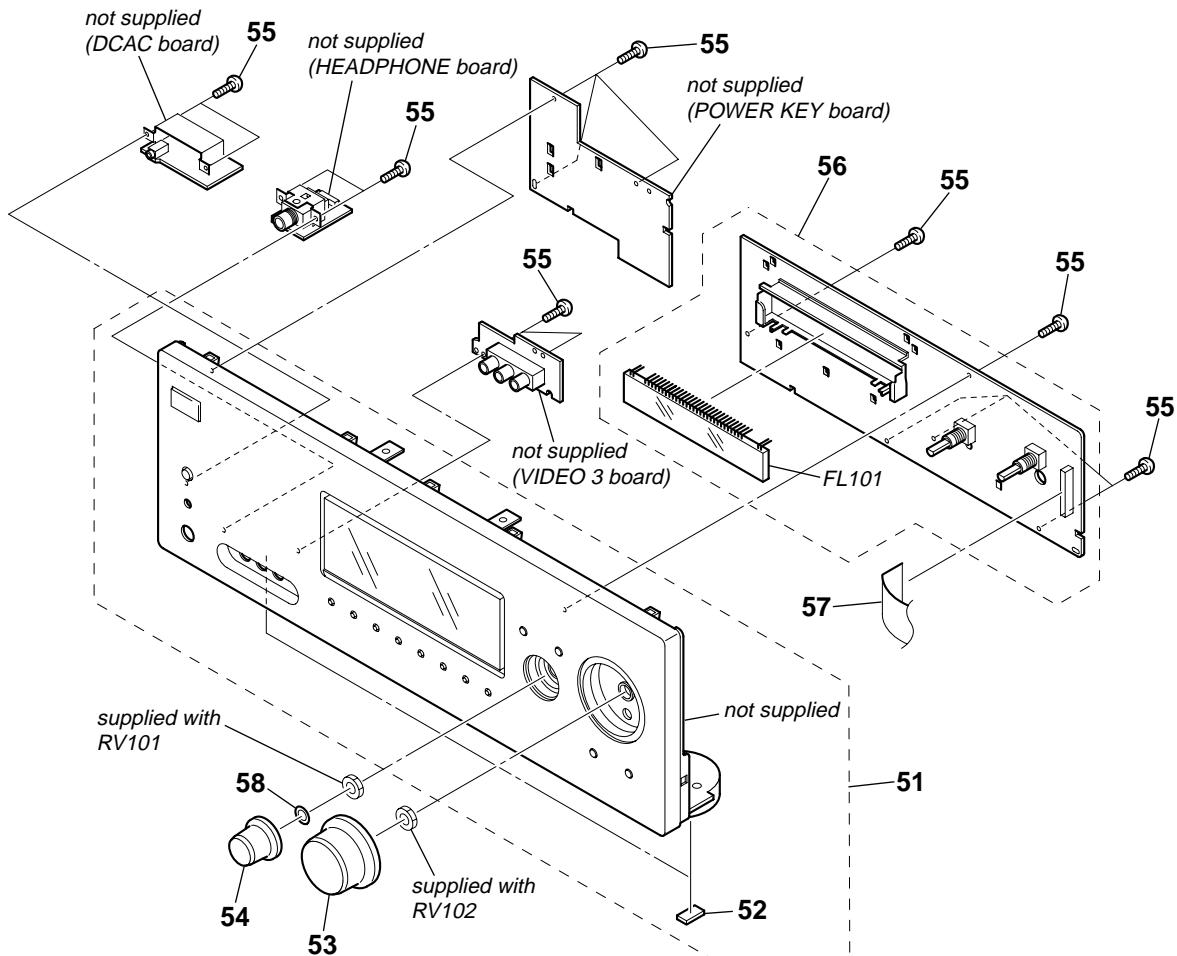
- Color Indication of Appearance Parts
Example :
KNOB, BALANCE (WHITE) ... (RED)
↑ ↑
Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

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

6-1. CASE SECTION

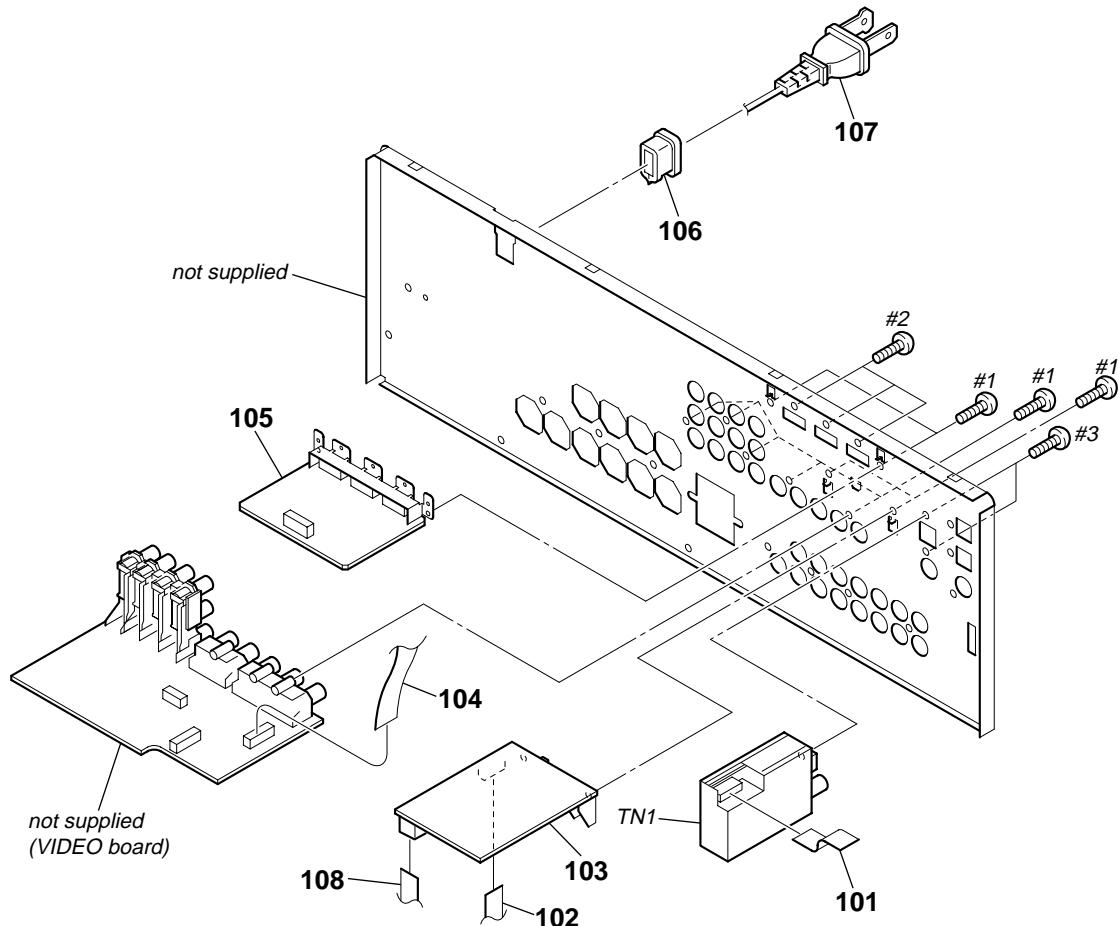
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
1	2-661-145-11	CASE		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
2	3-363-099-02	SCREW (CASE 3 TP2)					

6-2. FRONT PANEL SECTION



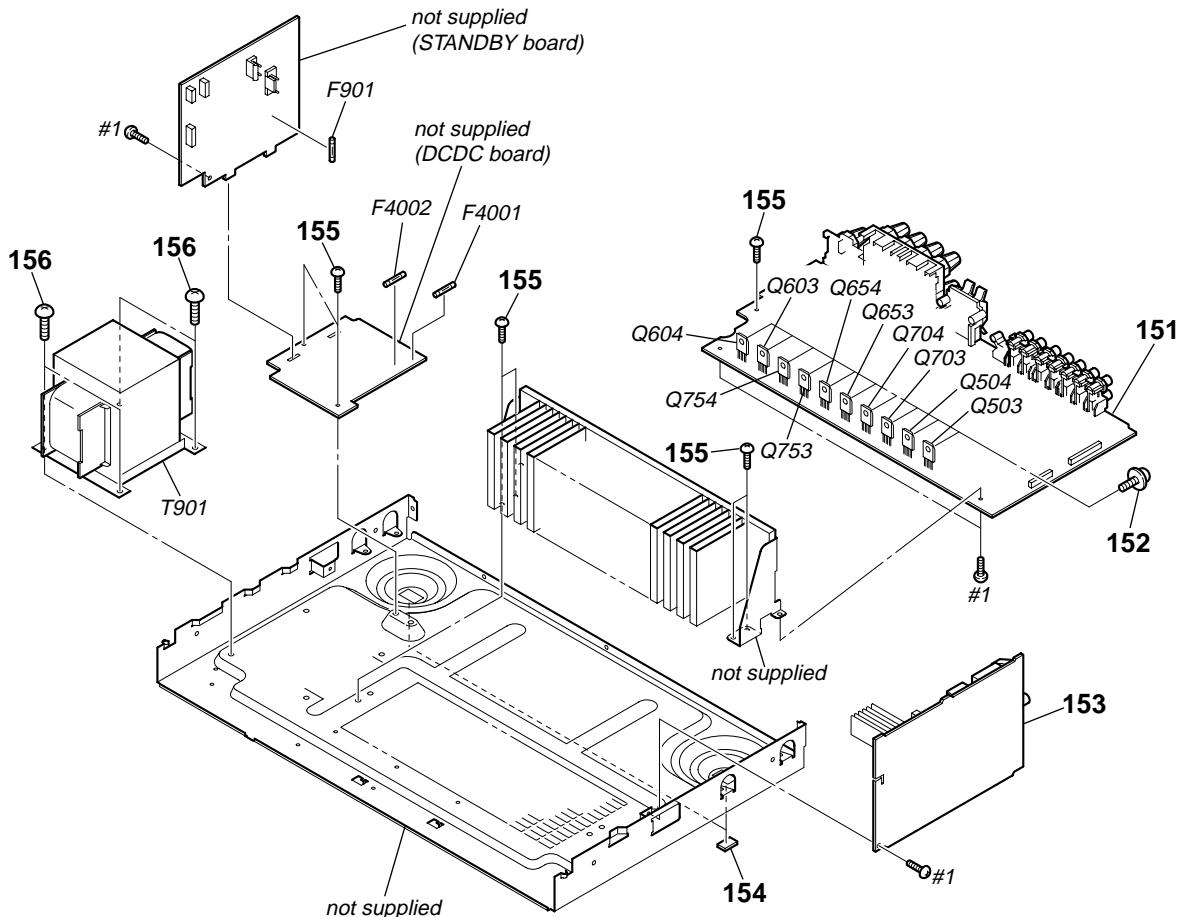
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2176-078-1	FRONT PANEL ASSY		56	A-1223-144-A	DISPLAY BOARD, COMPLETE	
52	4-977-358-01	CUSHION		57	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)	
53	2-661-142-01	KNOB (VOLUME)		58	3-354-981-11	SPRING (SUS), RING	
54	2-661-141-01	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)		▲107	1-783-820-11	CORD, POWER	
102	1-828-957-11	WIRE (FLAT TYPE) (9 CORE)		108	1-828-935-11	WIRE (FLAT TYPE) (5 CORE)	
103	A-1222-793-A	XM BOARD, COMPLETE		TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA)	
104	1-828-973-11	WIRE (FLAT TYPE) (13 CORE)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
105	A-1158-394-A	HDMI SW BOARD, COMPLETE		#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
* 106 3-703-244-00 BUSHING (2104), CORD				#3	7-685-862-09	SCREW +BVTT 2.6X6 (S)	

6-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1223-130-A	MAIN BOARD, COMPLETE		Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
152	3-905-609-01	SCREW (TRANSISTOR)		Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	A-1223-017-A	DIGITAL BOARD, COMPLETE		Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
154	4-977-358-01	CUSHION		Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
155	3-077-331-21	+BV 3 (3-CR)		Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
156	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
△F901	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (5A/125V)		Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
△F4001	1-532-465-33	FUSE (T3.15AL/250V)		Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
△F4002	1-532-465-33	FUSE (T3.15AL/250V)		△T901	1-443-524-11	TRANSFORMER, POWER (MAIN)	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK					

SECTION 7

ELECTRICAL PARTS LIST

DCAC
DCDC
DIGITAL

NOTE:

• Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.

• RESISTORS

All resistors are in ohms.

METAL: Metal-film resistor.

METAL OXIDE: Metal oxide-film resistor.

F: nonflammable

• Items marked “**” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• SEMICONDUCTORS

In each case, u : μ, for example:

uA.. : μA.. uPA.. : μPA..

uPB.. : μPB.. uPC.. : μPC.. uPD.. : μPD..

• CAPACITORS

uF : μF

• COILS

uH : μH

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

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

Ref. No.	Part No.	Description					Remark	Ref. No.	Part No.	Description					Remark													
DCAC BOARD										DCDC BOARD																		
*****										*****																		
< CAPACITOR >										1-533-313-11 HOLDER, FUSE																		
C2001	1-162-927-11	CERAMIC CHIP	100PF	5%	50V			< CAPACITOR >																				
C2002	1-126-160-11	ELECT	1uF	20%	50V			C4002	1-128-549-11	ELECT	3300uF	20%	35V															
C2003	1-164-373-11	CERAMIC CHIP	0.033uF		25V			C4003	1-115-814-11	ELECT	0.001F	20%	35V															
C2005	1-162-921-11	CERAMIC CHIP	33PF	5%	50V			C4004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V															
C2006	1-126-160-11	ELECT	1uF	20%	50V			C4005	1-128-950-21	ELECT	1000uF	20%	16V															
C2008	1-162-924-11	CERAMIC CHIP	56PF	5%	50V			C4006	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V															
C2010	1-164-373-11	CERAMIC CHIP	0.033uF		25V			< DIODE >																				
C2011	1-162-995-11	CERAMIC CHIP	0.022uF		50V			D4001	8-719-077-77	DIODE	D3SB60F3																	
C2012	1-162-995-11	CERAMIC CHIP	0.022uF		50V			D4803	8-719-080-53	DIODE	RK36LF-B3																	
C2013	1-126-160-11	ELECT	1uF	20%	50V			< IC >																				
C2014	1-124-465-00	ELECT	0.47uF	20%	50V			IC4001	8-759-474-09	IC	SI-8050S-LF1101																	
C2018	1-164-156-11	CERAMIC CHIP	0.1uF		25V			< COIL >																				
< DIODE >										L4000	1-456-545-11	INDUCTOR	100uH															
D2013	8-719-988-61	DIODE	1SS355TE-17					L4001	1-456-545-11	INDUCTOR	100uH																	
D2014	8-719-988-61	DIODE	1SS355TE-17					< IC >																				
IC2000	8-759-710-97	IC	NJM4565M-D					< RESISTOR >																				
< JACK >										R4000	1-216-823-11	METAL CHIP	1.5K	5%	1/10W													
J2000	1-820-056-11	JACK (SMALL TYPE) (AUTO CAL MIC)						R4001	1-216-817-11	METAL CHIP	470	5%	1/10W															
< RESISTOR >										R4002	1-216-819-11	METAL CHIP	680	5%	1/10W													
R2000	1-216-821-11	METAL CHIP	1K	5%	1/10W			*****																				
R2001	1-216-833-11	METAL CHIP	10K	5%	1/10W			A-1223-017-A	DIGITAL BOARD, COMPLETE					*****														
R2003	1-216-833-11	METAL CHIP	10K	5%	1/10W			7-685-646-79 SCREW +BVTP 3X8 TYPE2 IT-3																				
R2005	1-216-857-11	METAL CHIP	1M	5%	1/10W			< CAPACITOR >																				
R2006	1-216-821-11	METAL CHIP	1K	5%	1/10W			C1001	1-126-925-11	ELECT	470uF	20%	10V															
R2007	1-216-833-11	METAL CHIP	10K	5%	1/10W			C1002	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V															
R2008	1-216-854-11	METAL CHIP	560K	5%	1/10W			C1004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V															
R2010	1-216-833-11	METAL CHIP	10K	5%	1/10W			C1005	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V															
R2015	1-216-839-11	METAL CHIP	33K	5%	1/10W			C1019	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V															
R2016	1-216-835-11	METAL CHIP	15K	5%	1/10W			C1021																				
R2017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W			C1022	1-135-372-31	ELECT	470uF	20%	10V															
R2018	1-216-822-11	METAL CHIP	1.2K	5%	1/10W			C1031	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V															
R2019	1-216-825-11	METAL CHIP	2.2K	5%	1/10W			C1032	1-135-372-31	ELECT	470uF	20%	10V															
*****										C1079	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V													

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Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark	
C1100	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1423	1-162-961-11	CERAMIC CHIP	330PF	10% 50V
C1102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1428	1-126-964-11	ELECT	10uF	20% 50V
C1103	1-126-947-11	ELECT	47uF	20%	35V	C1432	1-162-963-11	CERAMIC CHIP	680PF	10% 50V
C1118	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1433	1-162-961-11	CERAMIC CHIP	330PF	10% 50V
C1119	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1438	1-126-964-11	ELECT	10uF	20% 50V
C1121	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1441	1-162-963-11	CERAMIC CHIP	680PF	10% 50V
C1122	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1442	1-162-961-11	CERAMIC CHIP	330PF	10% 50V
C1123	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1448	1-126-964-11	ELECT	10uF	20% 50V
C1124	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1450	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1454	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1131	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1455	1-126-964-11	ELECT	10uF	20% 50V
C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1457	1-126-964-11	ELECT	10uF	20% 50V
C1139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1458	1-126-964-11	ELECT	10uF	20% 50V
C1140	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1460	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1141	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1461	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1142	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1462	1-162-963-11	CERAMIC CHIP	680PF	10% 50V
C1144	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1463	1-162-961-11	CERAMIC CHIP	330PF	10% 50V
C1145	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1468	1-126-964-11	ELECT	10uF	20% 50V
C1146	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1471	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1472	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1171	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1473	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1172	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1474	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1475	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1481	1-162-961-11	CERAMIC CHIP	330PF	10% 50V
C1301	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1483	1-162-963-11	CERAMIC CHIP	680PF	10% 50V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10% 50V
C1303	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1491	1-126-964-11	ELECT	10uF	20% 50V
C1304	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C1494	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1305	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1495	1-162-960-11	CERAMIC CHIP	220PF	10% 50V
C1306	1-126-947-11	ELECT	47uF	20%	35V	C1501	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1308	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1502	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	C1503	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	C1504	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1312	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1505	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C1506	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1314	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1507	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1315	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1508	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1316	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1509	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1351	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1510	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1354	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1511	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1355	1-104-662-11	ELECT	22uF	20%	25V	C1513	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1358	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1514	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V	C1515	1-126-925-11	ELECT	470uF	20% 10V
C1361	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1516	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1362	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1517	1-126-925-11	ELECT	470uF	20% 10V
C1401	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1518	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1402	1-126-947-11	ELECT	47uF	20%	35V	C1519	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1403	1-126-964-11	ELECT	10uF	20%	50V	C1520	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1404	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1521	1-162-920-11	CERAMIC CHIP	27PF	5% 50V
C1405	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1522	1-162-920-11	CERAMIC CHIP	27PF	5% 50V
C1406	1-126-964-11	ELECT	10uF	20%	50V	C1525	1-126-925-11	ELECT	470uF	20% 10V
C1407	1-126-964-11	ELECT	10uF	20%	50V	C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10% 50V
C1408	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10% 50V
C1409	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10% 50V
C1414	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10% 50V
C1415	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10% 50V
C1418	1-126-964-11	ELECT	10uF	20%	50V	C1604	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V
C1422	1-162-963-11	CERAMIC CHIP	680PF	10%	50V	C1605	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V

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Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark		
R1014	1-216-809-11	METAL CHIP	100	5%	1/10W	R1160	1-216-809-11	METAL CHIP	100	5%	1/10W
R1015	1-216-809-11	METAL CHIP	100	5%	1/10W	R1161	1-216-809-11	METAL CHIP	100	5%	1/10W
R1035	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1164	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W	R1175	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1042	1-216-809-11	METAL CHIP	100	5%	1/10W	R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1044	1-216-809-11	METAL CHIP	100	5%	1/10W	R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1050	1-216-809-11	METAL CHIP	100	5%	1/10W	R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1061	1-216-809-11	METAL CHIP	100	5%	1/10W	R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1062	1-216-809-11	METAL CHIP	100	5%	1/10W	R1183	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1065	1-216-809-11	METAL CHIP	100	5%	1/10W	R1184	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1066	1-216-809-11	METAL CHIP	100	5%	1/10W	R1185	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1067	1-216-809-11	METAL CHIP	100	5%	1/10W	R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1068	1-216-809-11	METAL CHIP	100	5%	1/10W	R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1072	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1188	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1073	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W	R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W	R1194	1-216-864-11	SHORT CHIP	0		
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W	R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1253	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1084	1-216-809-11	METAL CHIP	100	5%	1/10W	R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1085	1-216-809-11	METAL CHIP	100	5%	1/10W	R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1087	1-216-809-11	METAL CHIP	100	5%	1/10W	R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1089	1-216-809-11	METAL CHIP	100	5%	1/10W	R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1093	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1305	1-216-819-11	METAL CHIP	680	5%	1/10W
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W	R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W	R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1120	1-216-809-11	METAL CHIP	100	5%	1/10W	R1319	1-216-864-11	SHORT CHIP	0		
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W	R1321	1-216-864-11	SHORT CHIP	0		
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W	R1323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W	R1325	1-216-864-11	SHORT CHIP	0		
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W	R1327	1-216-809-11	METAL CHIP	100	5%	1/10W
R1125	1-216-809-11	METAL CHIP	100	5%	1/10W	R1334	1-216-864-11	SHORT CHIP	0		
R1126	1-216-809-11	METAL CHIP	100	5%	1/10W	R1351	1-216-809-11	METAL CHIP	100	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W	R1352	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W	R1353	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W	R1354	1-216-809-11	METAL CHIP	100	5%	1/10W
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W	R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W	R1356	1-216-817-11	METAL CHIP	470	5%	1/10W
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W	R1357	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1150	1-216-809-11	METAL CHIP	100	5%	1/10W	R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1151	1-216-809-11	METAL CHIP	100	5%	1/10W	R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1152	1-216-809-11	METAL CHIP	100	5%	1/10W	R1401	1-216-809-11	METAL CHIP	100	5%	1/10W
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W	R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W	R1409	1-216-864-11	SHORT CHIP	0		
R1156	1-216-864-11	SHORT CHIP	0			R1410	1-216-817-11	METAL CHIP	470	5%	1/10W
R1157	1-216-864-11	SHORT CHIP	0			R1411	1-216-817-11	METAL CHIP	470	5%	1/10W
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1424	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R1425	1-216-864-11	SHORT CHIP	0	R1708	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1426	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1709	1-216-809-11	METAL CHIP	100 5% 1/10W
R1434	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R1710	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1435	1-216-864-11	SHORT CHIP	0	R1711	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1436	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1712	1-216-845-11	METAL CHIP	100K 5% 1/10W
R1444	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R1716	1-216-809-11	METAL CHIP	100 5% 1/10W
R1445	1-216-864-11	SHORT CHIP	0	R1801	1-216-809-11	METAL CHIP	100 5% 1/10W
R1446	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1802	1-216-809-11	METAL CHIP	100 5% 1/10W
R1463	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R1804	1-216-809-11	METAL CHIP	100 5% 1/10W
R1464	1-216-864-11	SHORT CHIP	0	R1805	1-216-809-11	METAL CHIP	100 5% 1/10W
R1466	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1806	1-216-809-11	METAL CHIP	100 5% 1/10W
R1469	1-216-809-11	METAL CHIP	100 5% 1/10W	R1807	1-216-809-11	METAL CHIP	100 5% 1/10W
R1470	1-216-832-11	METAL CHIP	8.2K 5% 1/10W	R1941	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1473	1-216-832-11	METAL CHIP	8.2K 5% 1/10W	R1945	1-216-864-11	SHORT CHIP	0
R1474	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1949	1-216-841-11	METAL CHIP	47K 5% 1/10W
R1476	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1954	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1483	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R1960	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1484	1-216-864-11	SHORT CHIP	0	R1961	1-216-801-11	METAL CHIP	22 5% 1/10W
R1486	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1962	1-216-809-11	METAL CHIP	100 5% 1/10W
R1491	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R1964	1-216-864-11	SHORT CHIP	0
R1492	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W				< NETWORK RESISTOR >
R1493	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	RB1500	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
R1494	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	RB1501	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
R1495	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	RB1502	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
R1501	1-216-809-11	METAL CHIP	100 5% 1/10W	RB1503	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
R1502	1-216-809-11	METAL CHIP	100 5% 1/10W	RB1504	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
R1503	1-216-813-11	METAL CHIP	220 5% 1/10W				
R1504	1-216-809-11	METAL CHIP	100 5% 1/10W	RB1506	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
R1505	1-216-809-11	METAL CHIP	100 5% 1/10W	RB1507	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
R1506	1-216-809-11	METAL CHIP	100 5% 1/10W	RB1508	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
R1507	1-216-809-11	METAL CHIP	100 5% 1/10W				< VIBRATOR >
R1508	1-216-809-11	METAL CHIP	100 5% 1/10W				
R1510	1-216-809-11	METAL CHIP	100 5% 1/10W	X1101	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)	
R1511	1-216-833-11	METAL CHIP	10K 5% 1/10W	X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)	
R1512	1-216-857-11	METAL CHIP	1M 5% 1/10W	X1502	1-813-276-21	QUARTZ, CRYSTAL (13.9MHz)	
R1513	1-216-833-11	METAL CHIP	10K 5% 1/10W				*****
R1514	1-216-809-11	METAL CHIP	100 5% 1/10W				A-1223-144-A DISPLAY BOARD, COMPLETE
R1516	1-216-833-11	METAL CHIP	10K 5% 1/10W				*****
R1523	1-216-813-11	METAL CHIP	220 5% 1/10W				
R1530	1-216-845-11	METAL CHIP	100K 5% 1/10W				< CAPACITOR >
R1531	1-216-809-11	METAL CHIP	100 5% 1/10W	C110	1-162-286-31	CERAMIC	220PF 10% 50V
R1541	1-216-813-11	METAL CHIP	220 5% 1/10W	C111	1-162-286-31	CERAMIC	220PF 10% 50V
R1555	1-216-813-11	METAL CHIP	220 5% 1/10W	C112	1-162-286-31	CERAMIC	220PF 10% 50V
R1556	1-216-809-11	METAL CHIP	100 5% 1/10W	C114	1-127-888-11	CERAMIC	0.1uF 10% 50V
R1557	1-216-813-11	METAL CHIP	220 5% 1/10W	C115	1-126-964-11	ELECT	10uF 20% 50V
R1570	1-216-833-11	METAL CHIP	10K 5% 1/10W	C144	1-127-888-11	CERAMIC	0.1uF 10% 50V
R1571	1-216-833-11	METAL CHIP	10K 5% 1/10W	C145	1-127-888-11	CERAMIC	0.1uF 10% 50V
R1572	1-216-833-11	METAL CHIP	10K 5% 1/10W	C147	1-162-286-31	CERAMIC	220PF 10% 50V
R1573	1-216-833-11	METAL CHIP	10K 5% 1/10W	C148	1-126-964-11	ELECT	10uF 20% 50V
R1574	1-216-833-11	METAL CHIP	10K 5% 1/10W	C149	1-162-286-31	CERAMIC	220PF 10% 50V
R1635	1-216-833-11	METAL CHIP	10K 5% 1/10W	C160	1-127-888-11	CERAMIC	0.1uF 10% 50V
R1636	1-216-833-11	METAL CHIP	10K 5% 1/10W	C162	1-127-888-11	CERAMIC	0.1uF 10% 50V
R1637	1-216-864-11	SHORT CHIP	0	C164	1-162-286-31	CERAMIC	220PF 10% 50V
R1641	1-216-833-11	METAL CHIP	10K 5% 1/10W	C165	1-126-964-11	ELECT	10uF 20% 50V
R1642	1-216-833-11	METAL CHIP	10K 5% 1/10W				< CONNECTOR >
R1643	1-216-833-11	METAL CHIP	10K 5% 1/10W				
R1644	1-216-833-11	METAL CHIP	10K 5% 1/10W	* CN104	1-691-746-11	CONNECTOR, BOARD TO BOARD 5P	
R1645	1-216-833-11	METAL CHIP	10K 5% 1/10W	CNP106	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P	

STR-K7100

DISPLAY **HDMI SW**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark						
CNS100	1-784-778-11	CONNECTOR, FFC 17P		S112	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)							
< DIODE >													
D105	6-501-539-01	LED SELK5E20C-DTP15 (MULTI CHANNEL DECODING)		A-1158-394-A HDMI SW BOARD, COMPLETE									
< VACUUM FLUORESCENT DISPLAY >													
FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY		< CAPACITOR >									
< IC >													
IC100	8-759-643-83	IC uPD16315GB-3BS		C5001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V				
IC101	8-759-243-51	IC TC74ACT08P		C5002	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V				
IC103	6-600-349-31	IC NJL24H400A (IR)		C5003	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V				
< TRANSISTOR >													
Q110	8-729-119-78	TRANSISTOR 2SC2785-HFE		C5004	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V				
< RESISTOR >													
R101	1-249-409-11	CARBON	220	5%	1/4W	C5005	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R102	1-249-411-11	CARBON	330	5%	1/4W	C5006	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R103	1-249-413-11	CARBON	470	5%	1/4W	C5007	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R104	1-249-415-11	CARBON	680	5%	1/4W	C5008	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R105	1-247-831-11	CARBON	1K	5%	1/4W	C5009	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R106	1-249-419-11	CARBON	1.5K	5%	1/4W	C5010	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R107	1-249-421-11	CARBON	2.2K	5%	1/4W	C5011	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R108	1-249-409-11	CARBON	220	5%	1/4W	C5012	1-112-788-11	ELECT CHIP	330uF	20%	6.3V		
R109	1-249-411-11	CARBON	330	5%	1/4W	C5013	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V		
R110	1-249-413-11	CARBON	470	5%	1/4W	C5014	1-112-788-11	ELECT CHIP	330uF	20%	6.3V		
R111	1-247-807-31	CARBON	100	5%	1/4W	C5015	1-128-994-21	ELECT CHIP	47uF	20%	10V		
R112	1-247-807-31	CARBON	100	5%	1/4W	C5016	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R113	1-247-807-31	CARBON	100	5%	1/4W	C5017	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V		
R114	1-247-807-31	CARBON	82K	5%	1/4W	C5018	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V		
R115	1-247-807-31	CARBON	100	5%	1/4W	C5019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R116	1-247-807-31	CARBON	100	5%	1/4W	C5020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		
R117	1-247-807-31	CARBON	100	5%	1/4W	C5021	1-117-681-11	ELECT CHIP	100uF	20%	16V		
R118	1-249-440-11	CARBON	82K	5%	1/4W	C5022	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R119	1-247-807-31	CARBON	100	5%	1/4W	C5023	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
R120	1-249-393-11	CARBON	10	5%	1/4W	C5024	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V		
R122	1-247-804-11	CARBON	75	5%	1/4W	C5027	1-128-994-21	ELECT CHIP	47uF	20%	10V		
R131	1-249-421-11	CARBON	2.2K	5%	1/4W	< CONNECTOR >							
R197	1-249-386-81	CARBON	2.7	5%	1/4W	CN5001	1-820-735-11	CONNECTOR, HDMI 19P (HDMI DVD IN)					
R198	1-249-386-81	CARBON	2.7	5%	1/4W	F	CN5002	1-820-735-11	CONNECTOR, HDMI 19P (HDMI VIDEO 2/BD IN)				
< ROTARY ENCODER >													
RV101	1-418-817-11	ENCODER, ROTARY (INPUT SELECTOR)		CN5003	1-820-735-11	CONNECTOR, HDMI 19P (HDMI OUT)							
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)		* CN5004	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P							
< SWITCH >													
S101	1-771-410-21	SWITCH, TACTILE (MUTING)		IC5001	6-709-221-01	IC TMDS341PFCR							
S102	1-771-410-21	SWITCH, TACTILE (AUTO CAL)		IC5002	6-705-337-01	IC TK11150CSCL-G							
S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)		IC5003	6-705-468-01	IC BA33BC0FP-E2							
S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)		IC5004	6-704-099-01	IC TC7WZ08FK(TE85R)							
S105	1-771-410-21	SWITCH, TACTILE (MUSIC)		IC5005	6-707-207-01	IC SN74LVC1G3157DCKR							
< FERRITE BEAD >													
L5013	1-400-862-11	BEAD, FERRITE		IC5006	6-706-740-01	IC BA00BC0WF-E2							
< RESISTOR >													
S106	1-771-410-21	SWITCH, TACTILE (MOVIE)		R5001	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W				
S107	1-771-410-21	SWITCH, TACTILE (A.F.D.)		R5002	1-218-844-11	METAL CHIP	750	0.5%	1/10W				
S108	1-771-410-21	SWITCH, TACTILE (2CH)		R5003	1-216-833-11	METAL CHIP	10K	5%	1/10W				
S109	1-771-410-21	SWITCH, TACTILE (TUNING +)		R5004	1-216-864-11	SHORT CHIP	0						
S110	1-771-410-21	SWITCH, TACTILE (TUNING -)		R5005	1-216-864-11	SHORT CHIP	0						
S111	1-771-410-21	SWITCH, TACTILE (TUNING MODE)		R5006	1-216-864-11	SHORT CHIP	0						
				R5007	1-216-864-11	SHORT CHIP	0						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R5008	1-216-864-11	SHORT CHIP	0	A-1223-130-A	MAIN BOARD, COMPLETE	*****	
R5009	1-216-864-11	SHORT CHIP	0				
R5010	1-216-864-11	SHORT CHIP	0				
R5011	1-216-864-11	SHORT CHIP	0				
R5014	1-216-864-11	SHORT CHIP	0				
R5015	1-216-821-11	METAL CHIP	1K	5%	1/10W	< CAPACITOR >	
R5016	1-216-864-11	SHORT CHIP	0			C400 1-162-966-11 CERAMIC CHIP	0.0022uF 10% 50V
R5017	1-216-864-11	SHORT CHIP	0			C403 1-162-966-11 CERAMIC CHIP	0.0022uF 10% 50V
R5018	1-216-821-11	METAL CHIP	1K	5%	1/10W	C408 1-126-963-11 ELECT	4.7uF 20% 50V
R5019	1-216-864-11	SHORT CHIP	0			C409 1-126-963-11 ELECT	4.7uF 20% 50V
R5020	1-216-864-11	SHORT CHIP	0			C444 1-162-966-11 CERAMIC CHIP	0.0022uF 10% 50V
R5022	1-216-833-11	METAL CHIP	10K	5%	1/10W		
R5024	1-216-864-11	SHORT CHIP	0			C453 1-162-960-11 CERAMIC CHIP	220PF 10% 50V
R5025	1-216-864-11	SHORT CHIP	0			C458 1-126-963-11 ELECT	4.7uF 20% 50V
R5026	1-216-809-11	METAL CHIP	100	5%	1/10W	C459 1-126-963-11 ELECT	4.7uF 20% 50V
R5027	1-216-833-11	METAL CHIP	10K	5%	1/10W	C463 1-162-960-11 CERAMIC CHIP	220PF 10% 50V
R5028	1-216-833-11	METAL CHIP	10K	5%	1/10W	C464 1-164-156-11 CERAMIC CHIP	0.1uF 25V
R5029	1-216-841-11	METAL CHIP	47K	5%	1/10W		
R5030	1-216-833-11	METAL CHIP	10K	5%	1/10W	C468 1-162-927-11 CERAMIC CHIP	100PF 5% 50V
R5042	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C469 1-162-927-11 CERAMIC CHIP	100PF 5% 50V
R5043	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C471 1-126-963-11 ELECT	4.7uF 20% 50V
R5047	1-216-864-11	SHORT CHIP	0			C481 1-126-964-11 ELECT	10uF 20% 50V
R5048	1-216-864-11	SHORT CHIP	0			C484 1-126-964-11 ELECT	10uF 20% 50V
R5049	1-216-864-11	SHORT CHIP	0				
R5050	1-216-821-11	METAL CHIP	1K	5%	1/10W	C485 1-126-964-11 ELECT	10uF 20% 50V
R5051	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	C488 1-164-156-11 CERAMIC CHIP	0.1uF 25V
R5052	1-216-841-11	METAL CHIP	47K	5%	1/10W	C492 1-126-964-11 ELECT	10uF 20% 50V
R5053	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C493 1-126-964-11 ELECT	10uF 20% 50V
R5054	1-216-833-11	METAL CHIP	10K	5%	1/10W	C495 1-126-964-11 ELECT	10uF 20% 50V
R5055	1-216-833-11	METAL CHIP	10K	5%	1/10W		
R5056	1-216-821-11	METAL CHIP	1K	5%	1/10W	C501 1-126-963-11 ELECT	4.7uF 20% 50V
R5060	1-216-864-11	SHORT CHIP	0			C503 1-165-722-11 ELECT	100uF 20% 10V
R5061	1-216-864-11	SHORT CHIP	0			C504 1-107-583-11 CERAMIC	3PF 0.25PF 500V
R5068	1-216-845-11	METAL CHIP	100K	5%	1/10W	C505 1-102-233-00 CERAMIC	33PF 10% 500V
R5069	1-216-845-11	METAL CHIP	100K	5%	1/10W	C506 1-162-927-11 CERAMIC CHIP	100PF 5% 50V
R5072	1-216-809-11	METAL CHIP	100	5%	1/10W		
R5073	1-216-864-11	SHORT CHIP	0			C507 1-162-927-11 CERAMIC CHIP	100PF 5% 50V
R5074	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C510 1-126-947-11 ELECT	47uF 20% 35V
						C511 1-136-157-00 FILM	0.022uF 5% 50V
						C516 1-162-815-11 CERAMIC	47PF 5% 500V
						C517 1-162-815-11 CERAMIC	47PF 5% 500V
HEADPHONE BOARD							
< CAPACITOR >							
C790	1-127-888-11	CERAMIC	0.1uF	10%	50V	C603 1-165-722-11 ELECT	100uF 20% 10V
C791	1-127-888-11	CERAMIC	0.1uF	10%	50V	C604 1-107-583-11 CERAMIC	3PF 0.25PF 500V
						C605 1-102-233-00 CERAMIC	33PF 10% 500V
						C606 1-162-927-11 CERAMIC CHIP	100PF 5% 50V
						C607 1-162-927-11 CERAMIC CHIP	100PF 5% 50V
< CONNECTOR >							
* CNP790	1-564-508-11	PLUG, CONNECTOR 5P				C610 1-126-947-11 ELECT	47uF 20% 35V
						C611 1-136-157-00 FILM	0.022uF 5% 50V
						C619 1-162-960-11 CERAMIC CHIP	220PF 10% 50V
						C620 1-162-815-11 CERAMIC	47PF 5% 500V
						C621 1-162-815-11 CERAMIC	47PF 5% 500V
J790	1-815-314-21	JACK (PHONES)				C640 1-126-964-11 ELECT	10uF 20% 50V
						C642 1-162-970-11 CERAMIC CHIP	0.01uF 10% 25V
						C651 1-126-963-11 ELECT	4.7uF 20% 50V
						C653 1-165-722-11 ELECT	100uF 20% 10V
						C654 1-107-583-11 CERAMIC	3PF 0.25PF 500V
						C655 1-102-233-00 CERAMIC	33PF 10% 500V
						C656 1-162-927-11 CERAMIC CHIP	100PF 5% 50V
< LEAD WIRE >							
* TP790	1-690-880-31	LEAD (WITH CONNECTOR)					

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Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark		
C657	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C822	1-126-947-11	ELECT	47uF	20%	35V
C660	1-126-947-11	ELECT	47uF	20%	35V	C830	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C661	1-136-157-00	FILM	0.022uF	5%	50V	C831	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C666	1-162-815-11	CERAMIC	47PF	5%	500V	C832	1-126-936-11	ELECT	3300uF	20%	16V
C669	1-162-815-11	CERAMIC	47PF	5%	500V	C842	1-165-732-31	ELECT	47uF	20%	25V
C670	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C3022	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C680	1-126-964-11	ELECT	10uF	20%	50V	C3024	1-126-963-11	ELECT	4.7uF	20%	50V
C681	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3025	1-164-156-11	CERAMIC CHIP	0.1uF	25V	
C691	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C3026	1-164-156-11	CERAMIC CHIP	0.1uF	25V	
C701	1-126-963-11	ELECT	4.7uF	20%	50V	C3027	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C702	1-126-964-11	ELECT	10uF	20%	50V	C3032	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C703	1-165-722-11	ELECT	100uF	20%	10V	C3034	1-126-963-11	ELECT	4.7uF	20%	50V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V	C3037	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
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	CN500	1-573-843-11	CONNECTOR, BOARD TO BOARD 11P			
C710	1-126-947-11	ELECT	47uF	20%	35V	CN504	1-784-766-11	CONNECTOR, FFC 5P			
C711	1-136-157-00	FILM	0.022uF	5%	50V	CN506	1-779-978-11	PIN, CONNECTOR 3P			
C716	1-162-815-11	CERAMIC	47PF	5%	500V	CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P			
C717	1-162-815-11	CERAMIC	47PF	5%	500V	* CNP503	1-564-506-11	PLUG, CONNECTOR 3P			
C720	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	* CNP507	1-564-507-11	PLUG, CONNECTOR 4P			
C721	1-126-923-11	ELECT	220uF	20%	10V	* CNP801	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P			
C722	1-126-964-11	ELECT	10uF	20%	50V	* CNP802	1-564-509-11	PLUG, CONNECTOR 6P			
C729	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	* CNP912	1-564-506-11	PLUG, CONNECTOR 3P			
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	D505	6-501-193-01	DIODE 1SS355WTE-17			
C741	1-128-579-11	ELECT	2.2uF	20%	100V	D529	6-501-193-01	DIODE 1SS355WTE-17			
C742	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D540	6-501-193-01	DIODE 1SS355WTE-17			
C743	1-128-579-11	ELECT	2.2uF	20%	100V	D560	6-501-193-01	DIODE 1SS355WTE-17			
C744	1-128-579-11	ELECT	2.2uF	20%	100V	D605	6-501-193-01	DIODE 1SS355WTE-17			
C749	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D610	6-501-193-01	DIODE 1SS355WTE-17			
C750	1-126-964-11	ELECT	10uF	20%	50V	D611	6-501-193-01	DIODE 1SS355WTE-17			
C751	1-126-963-11	ELECT	4.7uF	20%	50V	D640	6-501-193-01	DIODE 1SS355WTE-17			
C752	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D665	6-501-193-01	DIODE 1SS355WTE-17			
C753	1-165-722-11	ELECT	100uF	20%	10V	D680	6-501-193-01	DIODE 1SS355WTE-17			
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V	D690	8-719-083-71	DIODE UDVZSTE-1730B			
C755	1-102-233-00	CERAMIC	33PF	10%	500V	D691	6-501-193-01	DIODE 1SS355WTE-17			
C756	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D701	6-501-193-01	DIODE 1SS355WTE-17			
C757	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D705	6-501-193-01	DIODE 1SS355WTE-17			
C760	1-126-947-11	ELECT	47uF	20%	35V	D710	6-501-193-01	DIODE 1SS355WTE-17			
C761	1-136-157-00	FILM	0.022uF	5%	50V	D721	6-501-193-01	DIODE 1SS355WTE-17			
C762	1-126-964-11	ELECT	10uF	20%	50V	D722	6-501-193-01	DIODE 1SS355WTE-17			
C766	1-162-815-11	CERAMIC	47PF	5%	500V	D729	6-501-193-01	DIODE 1SS355WTE-17			
C767	1-162-815-11	CERAMIC	47PF	5%	500V	D732	6-501-193-01	DIODE 1SS355WTE-17			
C770	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	D733	6-501-193-01	DIODE 1SS355WTE-17			
C791	1-126-923-11	ELECT	220uF	20%	10V	D740	6-501-193-01	DIODE 1SS355WTE-17			
C801	1-126-947-11	ELECT	47uF	20%	35V	D749	6-501-193-01	DIODE 1SS355WTE-17			
C802	1-126-947-11	ELECT	47uF	20%	35V	D750	6-501-193-01	DIODE 1SS355WTE-17			
C803	1-165-960-11	ELECT(BLOCK)	6800uF	20%	71V	D765	6-501-193-01	DIODE 1SS355WTE-17			
C804	1-165-960-11	ELECT(BLOCK)	6800uF	20%	71V	D791	6-501-193-01	DIODE 1SS355WTE-17			
C805	1-135-851-21	MYLAR	0.22uF		100V	D801	8-719-083-85	DIODE UDVZSTE-1722B			
C806	1-135-851-21	MYLAR	0.22uF		100V	D802	6-501-003-21	DIODE D6SBM20-7003			
C807	1-126-947-11	ELECT	47uF	20%	35V	D804	6-500-295-01	DIODE PTZ-TE25-5.6B			
C808	1-126-947-11	ELECT	47uF	20%	35V	D805	8-719-053-18	DIODE 1SR154-400TE-25			
C809	1-100-623-11	CERAMIC CHIP	0.1uF	10%	100V	D806	8-719-053-18	DIODE 1SR154-400TE-25			
C810	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	D807	8-719-053-18	DIODE 1SR154-400TE-25			
C811	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V	D808	8-719-053-18	DIODE 1SR154-400TE-25			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D818	6-501-193-01	DIODE 1SS355WTE-17		Q750	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
D841	6-500-696-01	DIODE UDVZSTE-173.0B		Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D896	8-719-053-18	DIODE 1SR154-400TE-25		Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
		< IC >		Q755	8-729-216-31	TRANSISTOR 2SA1163-G	
IC401	6-707-362-01	IC BD3451KS		Q756	8-729-216-31	TRANSISTOR 2SA1163-G	
IC501	6-700-943-01	IC uPC2581V-S		Q790	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
IC601	6-700-943-01	IC uPC2581V-S		Q793	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
IC691	8-759-710-97	IC NJM4565M-D		Q795	8-729-216-31	TRANSISTOR 2SA1163-G	
IC701	6-700-943-01	IC uPC2581V-S		Q801	8-729-140-97	TRANSISTOR 2SB734-34	
IC801	8-759-071-48	IC TA7807S		Q809	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
IC802	8-759-071-47	IC TA7900TS				< RESISTOR >	
IC3002	8-759-710-97	IC NJM4565M-D		R402	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< JACK >		R404	1-216-821-11	METAL CHIP 1K 5% 1/10W	
J309	1-770-377-21	JACK, PIN 1P (SUB WOOFER AUDIO OUT)		R405	1-216-821-11	METAL CHIP 1K 5% 1/10W	
J402	1-770-614-11	JACK, PIN 4P (VIDEO 1 AUDIO OUT/AUDIO IN)		R406	1-216-821-11	METAL CHIP 1K 5% 1/10W	
J403	1-770-614-11	JACK, PIN 4P (SAT AUDIO IN,DVD AUDIO IN)		R407	1-216-821-11	METAL CHIP 1K 5% 1/10W	
J405	1-774-411-11	JACK, PIN 6P (SA-CD/CD/CD-R IN/OUT, TV IN)		R408	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< COIL >		R409	1-216-821-11	METAL CHIP 1K 5% 1/10W	
L501	1-420-872-52	COIL, AIR-CORE		R420	1-216-864-11	SHORT CHIP 0	
L601	1-420-872-52	COIL, AIR-CORE		R423	1-216-864-11	SHORT CHIP 0	
L651	1-420-872-52	COIL, AIR-CORE		R428	1-216-821-11	METAL CHIP 1K 5% 1/10W	
L701	1-420-872-52	COIL, AIR-CORE		R429	1-216-821-11	METAL CHIP 1K 5% 1/10W	
L751	1-420-872-52	COIL, AIR-CORE		R452	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< TRANSISTOR >		R454	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE		R455	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q502	8-729-141-30	TRANSISTOR 2SC3623A-LK		R456	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q505	8-729-216-31	TRANSISTOR 2SA1163-G		R457	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q506	8-729-216-31	TRANSISTOR 2SA1163-G		R458	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q540	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R459	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q560	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R468	1-216-845-11	METAL CHIP 100K 5% 1/10W	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE		R469	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK		R470	1-216-841-11	METAL CHIP 47K 5% 1/10W	
Q605	8-729-216-31	TRANSISTOR 2SA1163-G		R471	1-216-841-11	METAL CHIP 47K 5% 1/10W	
Q606	8-729-216-31	TRANSISTOR 2SA1163-G		R472	1-216-841-11	METAL CHIP 47K 5% 1/10W	
Q610	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R473	1-216-841-11	METAL CHIP 47K 5% 1/10W	
Q611	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R474	1-216-841-11	METAL CHIP 47K 5% 1/10W	
Q612	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R475	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q640	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R476	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE		R501	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK		R502	1-216-843-11	METAL CHIP 68K 5% 1/10W	
Q655	8-729-216-31	TRANSISTOR 2SA1163-G		R503	1-208-445-41	RES-CHIP 2.2K 2% 1/10W	
Q656	8-729-216-31	TRANSISTOR 2SA1163-G		R505	1-208-826-11	METAL CHIP 68K 0.5% 1/10W	
Q680	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R510	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
Q691	8-729-281-53	TRANSISTOR 2SC1815-GR		R511	1-216-844-11	METAL CHIP 82K 5% 1/10W	
Q692	8-729-029-40	TRANSISTOR DTA124ESA		R513	1-216-818-11	METAL CHIP 560 5% 1/10W	
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE		R514	1-249-399-11	CARBON 33 5% 1/4W F	
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK		R515	1-249-399-11	CARBON 33 5% 1/4W F	
Q705	8-729-216-31	TRANSISTOR 2SA1163-G		R516	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W	
Q706	8-729-216-31	TRANSISTOR 2SA1163-G		R517	1-249-393-11	CARBON 10 5% 1/4W F	
Q710	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R518	1-249-389-11	CARBON 4.7 5% 1/4W F	
Q722	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R520	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
Q723	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R521	1-240-855-11	CARBON 6.2K 5% 1/4W F	
Q725	8-729-216-31	TRANSISTOR 2SA1163-G		R522	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
Q740	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R524	1-216-835-11	METAL CHIP 15K 5% 1/10W	
				R525	1-216-843-11	METAL CHIP 68K 5% 1/10W	
				R529	1-216-833-11	METAL CHIP 10K 5% 1/10W	

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Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark		
R532	1-216-833-11	METAL CHIP	10K	5%	1/10W	R676	1-216-841-11	METAL CHIP	47K	5%	1/10W
R533	1-216-841-11	METAL CHIP	47K	5%	1/10W	R677	1-216-835-11	METAL CHIP	15K	5%	1/10W
R539	1-216-845-11	METAL CHIP	100K	5%	1/10W	R680	1-216-837-11	METAL CHIP	22K	5%	1/10W
R540	1-216-837-11	METAL CHIP	22K	5%	1/10W	R681	1-216-835-11	METAL CHIP	15K	5%	1/10W
R546	1-216-835-11	METAL CHIP	15K	5%	1/10W	R690	1-216-849-11	METAL CHIP	220K	5%	1/10W
R555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	△R691	1-215-886-11	METAL OXIDE	100	5%	2W F
R556	1-216-841-11	METAL CHIP	47K	5%	1/10W	△R692	1-215-889-00	METAL OXIDE	330	5%	2W F
R557	1-216-835-11	METAL CHIP	15K	5%	1/10W	R693	1-216-833-11	METAL CHIP	10K	5%	1/10W
R573	1-216-841-11	METAL CHIP	47K	5%	1/10W	R694	1-216-833-11	METAL CHIP	10K	5%	1/10W
R585	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R695	1-216-833-11	METAL CHIP	10K	5%	1/10W
R586	1-216-841-11	METAL CHIP	47K	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	R729	1-216-833-11	METAL CHIP	10K	5%	1/10W
R634	1-249-404-00	CARBON	82	5%	1/4W F	R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R635	1-249-404-00	CARBON	82	5%	1/4W F	R732	1-249-381-11	CARBON	1	5%	1/4W F
R638	1-216-843-11	METAL CHIP	68K	5%	1/10W	R733	1-249-381-11	CARBON	1	5%	1/4W F
R640	1-216-837-11	METAL CHIP	22K	5%	1/10W	R734	1-249-404-00	CARBON	82	5%	1/4W F
R648	1-216-835-11	METAL CHIP	15K	5%	1/10W	R735	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W	R736	1-216-821-11	METAL CHIP	1K	5%	1/10W
R652	1-216-843-11	METAL CHIP	68K	5%	1/10W	R737	1-216-840-11	METAL CHIP	39K	5%	1/10W
R653	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R738	1-249-404-00	CARBON	82	5%	1/4W F
R654	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	R739	1-216-845-11	METAL CHIP	100K	5%	1/10W
R655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R740	1-216-837-11	METAL CHIP	22K	5%	1/10W
R656	1-216-841-11	METAL CHIP	47K	5%	1/10W	R741	1-216-230-00	RES-CHIP	22K	2%	1/8W
R657	1-216-835-11	METAL CHIP	15K	5%	1/10W	R743	1-216-230-00	RES-CHIP	22K	2%	1/8W
R660	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R744	1-216-230-00	RES-CHIP	22K	2%	1/8W
R661	1-216-844-11	METAL CHIP	82K	5%	1/10W	R745	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R663	1-216-818-11	METAL CHIP	560	5%	1/10W	R746	1-216-841-11	METAL CHIP	47K	5%	1/10W
R664	1-249-399-11	CARBON	33	5%	1/4W F	R747	1-216-835-11	METAL CHIP	15K	5%	1/10W
R665	1-249-399-11	CARBON	33	5%	1/4W F	R748	1-216-835-11	METAL CHIP	15K	5%	1/10W
R666	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W				R749	1-216-833-11	METAL CHIP	10K	5%	1/10W
R667	1-249-393-11	CARBON	10	5%	1/4W F	R750	1-216-837-11	METAL CHIP	22K	5%	1/10W
R668	1-249-389-11	CARBON	4.7	5%	1/4W F	R751	1-216-821-11	METAL CHIP	1K	5%	1/10W
R669	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	R752	1-216-843-11	METAL CHIP	68K	5%	1/10W
R671	1-240-855-11	CARBON	6.2K	5%	1/4W F	R753	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R672	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R754	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R673	1-216-841-11	METAL CHIP	47K	5%	1/10W	R755	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R674	1-216-835-11	METAL CHIP	15K	5%	1/10W	R756	1-216-841-11	METAL CHIP	47K	5%	1/10W
R675	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R757	1-216-835-11	METAL CHIP	15K	5%	1/10W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark					
R758	1-216-835-11	METAL CHIP	15K	5%	1/10W	TM604	1-780-214-11	TERMINAL BOARD (SP) (2P)	(SPEAKERS CENTER)					
R759	1-216-845-11	METAL CHIP	100K	5%	1/10W	*****								
R760	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	*****								
R761	1-216-844-11	METAL CHIP	82K	5%	1/10W	*****								
R763	1-216-818-11	METAL CHIP	560	5%	1/10W	POWER KEY BOARD								
R764	1-249-399-11	CARBON	33	5%	1/4W F	*****								
R765	1-249-399-11	CARBON	33	5%	1/4W F	< CONNECTOR >								
R766	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W		*****								
R767	1-249-393-11	CARBON	10	5%	1/4W F	* CN103	1-691-670-11	CONNECTOR, BOARD TO BOARD 5P	*****					
R768	1-249-389-11	CARBON	4.7	5%	1/4W F	< RESISTOR >								
R769	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	R111	1-249-415-11	CARBON	680	5%	1/4W			
R770	1-216-845-11	METAL CHIP	100K	5%	1/10W	< SWITCH >								
R771	1-240-855-11	CARBON	6.2K	5%	1/4W F	S100	1-771-410-21	SWITCH, TACTILE (I/O)	*****					
R772	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	S115	1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B/A+B))	*****					
R773	1-216-841-11	METAL CHIP	47K	5%	1/10W	*****								
R775	1-216-843-11	METAL CHIP	68K	5%	1/10W	STANDBY BOARD								
R778	1-216-835-11	METAL CHIP	15K	5%	1/10W	*****								
R780	1-216-833-11	METAL CHIP	10K	5%	1/10W	*****								
R780	1-216-845-11	METAL CHIP	100K	5%	1/10W	*****								
R781	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	*****								
△ R792	1-215-868-00	METAL OXIDE	680	5%	1W F	1-533-217-41		HOLDER, FUSE (FH901,902)	*****					
R793	1-249-404-00	CARBON	82	5%	1/4W F	< CAPACITOR >								
△ R794	1-215-868-00	METAL OXIDE	680	5%	1W F	C913	1-127-888-11	CERAMIC	0.1uF	10%	50V			
R802	1-249-409-11	CARBON	220	5%	1/4W F	C914	1-127-888-11	CERAMIC	0.1uF	10%	50V			
R803	1-249-389-11	CARBON	4.7	5%	1/4W F	C915	1-126-943-11	ELECT	2200uF	20%	25V			
R804	1-216-833-11	METAL CHIP	10K	5%	1/10W	C916	1-126-942-61	ELECT	1000uF	20%	25V			
R806	1-216-837-11	METAL CHIP	22K	5%	1/10W	C920	1-127-888-11	CERAMIC	0.1uF	10%	50V			
R824	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C921	1-127-888-11	CERAMIC	0.1uF	10%	50V			
R830	1-249-404-00	CARBON	82	5%	1/4W F	C922	1-127-888-11	CERAMIC	0.1uF	10%	50V			
R840	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	C924	1-126-960-11	ELECT	1uF	20%	50V			
R843	1-216-864-11	SHORT CHIP	0			C950	1-126-936-11	ELECT	3300uF	20%	16V			
R844	1-216-837-11	METAL CHIP	22K	5%	1/10W	< CONNECTOR >								
△ R910	1-240-877-11	FUSIBLE	0.15	5%	1/2W F	*****								
R3010	1-216-841-11	METAL CHIP	47K	5%	1/10W	*****								
R3011	1-218-887-11	METAL CHIP	47K	0.5%	1/10W	*****								
R3012	1-218-887-11	METAL CHIP	47K	0.5%	1/10W	* CNP802	1-564-509-11	PLUG, CONNECTOR 6P	*****					
R3013	1-216-841-11	METAL CHIP	47K	5%	1/10W	* CNP804	1-564-506-11	PLUG, CONNECTOR 3P	*****					
R3020	1-216-841-11	METAL CHIP	47K	5%	1/10W	* CNP805	1-564-506-11	PLUG, CONNECTOR 3P	*****					
R3021	1-218-887-11	METAL CHIP	47K	0.5%	1/10W	CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	*****					
R3022	1-218-887-11	METAL CHIP	47K	0.5%	1/10W	* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P	*****					
R3023	1-216-841-11	METAL CHIP	47K	5%	1/10W	* CNP903	1-564-508-11	PLUG, CONNECTOR 5P	*****					
< RELAY >						< DIODE >								
RY560	1-755-267-11	RELAY	D901 8-719-991-33 DIODE 1SS133T-77						*****					
RY601	1-755-170-11	RELAY (12V)	D910 6-500-522-11 DIODE 10EDB40-TA2B5						*****					
RY610	1-755-170-11	RELAY (12V)	D911 6-500-522-11 DIODE 10EDB40-TA2B5						*****					
RY701	1-755-170-11	RELAY (12V)	D912 6-500-522-11 DIODE 10EDB40-TA2B5						*****					
RY710	1-755-170-11	RELAY (12V)	D913 6-500-522-11 DIODE 10EDB40-TA2B5						*****					
RY791	1-755-170-11	RELAY (12V)	D914 8-719-991-33 DIODE 1SS133T-77						*****					
RY801	1-755-593-11	RELAY	D915 8-719-991-33 DIODE 1SS133T-77						*****					
< TERMINAL BOARD >						D920	6-500-522-11	DIODE 10EDB40-TA2B5	< GROUND TERMINAL >					
TB001	1-780-364-11	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT A,SURROUND)	D921 6-500-522-11 DIODE 10EDB40-TA2B5						*****					
TM602	1-537-240-11	TERMINAL BOARD (CHECKER PIN) (4P) (SPEAKERS FRONT B)	D922 6-500-522-11 DIODE 10EDB40-TA2B5						*****					
G901 1-537-738-21 TERMINAL, GROUND						G902 6-500-522-11 DIODE 10EDB40-TA2B5								

STR-K7100

STANDBY **VIDEO** **VIDEO 3**

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark						
< TRANSISTOR >																			
Q901	8-729-119-78	TRANSISTOR	2SC2785-HFE				D203	8-719-991-33	DIODE	1SS133T-77									
Q921	8-729-119-78	TRANSISTOR	2SC2785-HFE				D204	8-719-991-33	DIODE	1SS133T-77									
< RESISTOR >																			
△R810	1-243-634-91	FUSIBLE	0.22	5%	1/2W	F	IC203	6-701-890-01	IC	NJM2595D									
△R811	1-243-634-91	FUSIBLE	0.22	5%	1/2W	F	IC304	6-707-363-01	IC	NJM2586AL									
△R901	1-219-237-91	SOLID	3.3M	20%	1/2W	F	IC804	8-759-245-79	IC	TA79005S									
R902	1-247-871-11	CARBON	47K	5%	1/4W		IC807	8-759-231-53	IC	TA7805S									
R903	1-249-421-11	CARBON	2.2K	5%	1/4W		< IC >												
R904	1-249-381-11	CARBON	1	5%	1/4W	F	J200	1-794-978-11	JACK, PIN 3P (SAT VIDEO IN, DVD VIDEO IN,VIDEO 1 VIDEO OUT)										
R921	1-247-871-11	CARBON	47K	5%	1/4W		J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)										
R922	1-247-863-11	CARBON	22K	5%	1/4W		J301	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO SAT IN,DVD IN,VIDEO 1 IN)										
R923	1-249-429-11	CARBON	10K	5%	1/4W		J302	1-815-360-11	JACK, PIN 3P (COMPONENT VIDEO MONITOR OUT)										
< RELAY >																			
△RY901	1-755-541-11	RELAY					< JACK >												
< TRANSFORMER >																			
△T902	1-443-516-11	TRANSFORMER, POWER (SUB)					< RESISTOR >												

VIDEO BOARD																			

< CAPACITOR >																			
C206	1-126-964-11	ELECT	10uF	20%	50V		R200	1-247-804-11	CARBON	75	5%	1/4W							
C207	1-126-964-11	ELECT	10uF	20%	50V		R201	1-247-804-11	CARBON	75	5%	1/4W							
C208	1-126-964-11	ELECT	10uF	20%	50V		R218	1-247-804-11	CARBON	75	5%	1/4W							
C209	1-126-964-11	ELECT	10uF	20%	50V		R219	1-247-804-11	CARBON	75	5%	1/4W							
C210	1-126-947-11	ELECT	47uF	20%	35V		R220	1-247-804-11	CARBON	75	5%	1/4W							
C213	1-126-947-11	ELECT	47uF	20%	35V		R221	1-247-804-11	CARBON	75	5%	1/4W							
C214	1-127-888-11	CERAMIC	0.1uF	10%	50V		R301	1-247-804-11	CARBON	75	5%	1/4W							
C215	1-127-888-11	CERAMIC	0.1uF	10%	50V		R302	1-247-804-11	CARBON	75	5%	1/4W							
C220	1-126-947-11	ELECT	47uF	20%	35V		R303	1-247-804-11	CARBON	75	5%	1/4W							
C221	1-126-947-11	ELECT	47uF	20%	35V		R304	1-247-804-11	CARBON	75	5%	1/4W							
C223	1-135-799-11	CERAMIC	0.47uF		50V		R305	1-247-804-11	CARBON	75	5%	1/4W							
C224	1-135-799-11	CERAMIC	0.47uF		50V		R306	1-247-804-11	CARBON	75	5%	1/4W							
C308	1-126-964-11	ELECT	10uF	20%	50V		R307	1-247-804-11	CARBON	75	5%	1/4W							
C309	1-126-964-11	ELECT	10uF	20%	50V		R308	1-247-804-11	CARBON	75	5%	1/4W							
C310	1-126-964-11	ELECT	10uF	20%	50V		R309	1-247-804-11	CARBON	75	5%	1/4W							
C311	1-126-964-11	ELECT	10uF	20%	50V		R310	1-247-804-11	CARBON	75	5%	1/4W							
C312	1-126-964-11	ELECT	10uF	20%	50V		R311	1-247-804-11	CARBON	75	5%	1/4W							
C313	1-126-964-11	ELECT	10uF	20%	50V		R312	1-247-804-11	CARBON	75	5%	1/4W							
C314	1-126-964-11	ELECT	10uF	20%	50V		*****												
C315	1-126-964-11	ELECT	10uF	20%	50V		VIDEO 3 BOARD												
C316	1-126-964-11	ELECT	10uF	20%	50V		*****												
C330	1-127-888-11	CERAMIC	0.1uF	10%	50V		< CAPACITOR >												
C331	1-127-888-11	CERAMIC	0.1uF	10%	50V		C293	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V							
C337	1-126-947-11	ELECT	47uF	20%	35V		C294	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V							
C338	1-126-947-11	ELECT	47uF	20%	35V		C298	1-162-960-11	CERAMIC CHIP	220PF	10%	50V							
< CONNECTOR >																			
CNP202	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P					C299	1-162-960-11	CERAMIC CHIP	220PF	10%	50V							
* CNP203	1-564-507-11	PLUG, CONNECTOR 4P					< CONNECTOR >												
CNS207	1-784-774-11	CONNECTOR, FFC 13P					CN201	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P										
< CONNECTOR >																			
< JACK >																			
J298	1-819-187-11	JACK, PIN 3P (VIDEO 3 IN/PORTABLE AV IN VIDEO,AUDIO)					< JACK >												

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark						
< RESISTOR >																	
R298	1-216-821-11	METAL CHIP	1K	5%	1/10W	C164	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V						
R299	1-216-821-11	METAL CHIP	1K	5%	1/10W	C165	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V						

A-1222-793-A XM BOARD, COMPLETE																	

< CAPACITOR >																	
C101	1-137-649-31	ELECT	220uF	20%	10V	CN101	1-568-828-11	CONNECTOR, FFC 9P									
C102	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	CN102	1-784-766-11	CONNECTOR, FFC 5P									
C103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	CNP103	1-779-978-11	PIN, CONNECTOR 3P									
C104	1-112-100-11	ELECT	10uF	20%	50V	< DIODE >											
C105	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D101	6-500-462-01	DIODE NSAD500F-T1B									
C106	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	D103	8-719-083-02	DIODE KDS160-RTK									
C107	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	< FERRITE BEAD >											
C108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB101	1-469-152-11	FERRITE, EMI (SMD) (2012)									
C109	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	FB104	1-469-152-11	FERRITE, EMI (SMD) (2012)									
C110	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< IC >											
C111	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC101	6-705-468-01	IC BA33BC0FP-E2									
C112	1-216-864-11	SHORT CHIP	0			IC102	6-709-251-01	IC F2602E-01-TR									
C113	1-126-964-11	ELECT	10uF	20%	50V	IC104	8-759-710-97	IC NJM4565M-D									
C114	1-216-864-11	SHORT CHIP	0			IC105	6-707-111-01	IC PCM1753DBQR									
C115	1-216-864-11	SHORT CHIP	0			IC106	6-707-802-01	IC BA00CC0WT(-V5)									
C116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC107	6-705-469-01	IC BA50BC0FP-E2									
C117	1-216-864-11	SHORT CHIP	0			< CONNECTOR >											
C118	1-162-963-11	CERAMIC CHIP	680PF	10%	50V	J101	1-793-642-21	CONNECTOR (USB) (4P), SQUARE (XM)									
C119	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< JUMPER RESISTOR >											
C120	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V	JR101	1-216-296-11	SHORT CHIP	0								
C121	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	L101	1-216-295-11	SHORT CHIP	0								
C122	1-112-100-11	ELECT	10uF	20%	50V	L102	1-216-295-11	SHORT CHIP	0								
C123	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< TRANSISTOR >											
C124	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	Q105	8-729-027-46	TRANSISTOR DTC114YKA-T146									
C125	1-112-100-11	ELECT	10uF	20%	50V	Q106	8-729-140-93	TRANSISTOR 2SB733-34									
C126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< RESISTOR >											
C127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R101	1-216-845-11	METAL CHIP	100K	5%	1/10W						
C128	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V	R102	1-216-845-11	METAL CHIP	100K	5%	1/10W						
C129	1-162-963-11	CERAMIC CHIP	680PF	10%	50V	R103	1-216-833-11	METAL CHIP	10K	5%	1/10W						
C130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R104	1-216-833-11	METAL CHIP	10K	5%	1/10W						
C131	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	R107	1-216-809-11	METAL CHIP	100	5%	1/10W						
C132	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	R108	1-216-809-11	METAL CHIP	100	5%	1/10W						
C133	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	R109	1-216-841-11	METAL CHIP	47K	5%	1/10W						
C134	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	R110	1-216-809-11	METAL CHIP	100	5%	1/10W						
C135	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R112	1-216-833-11	METAL CHIP	10K	5%	1/10W						
C136	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R113	1-216-864-11	SHORT CHIP	0								
C137	1-126-964-11	ELECT	10uF	20%	50V	R115	1-216-833-11	METAL CHIP	10K	5%	1/10W						
C138	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R116	1-216-833-11	METAL CHIP	10K	5%	1/10W						
C139	1-126-964-11	ELECT	10uF	20%	50V	R117	1-216-809-11	METAL CHIP	100	5%	1/10W						
C140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R118	1-216-841-11	METAL CHIP	47K	5%	1/10W						
C142	1-126-964-11	ELECT	10uF	20%	50V	R119	1-216-841-11	METAL CHIP	47K	5%	1/10W						
C143	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V												
C144	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V												
C145	1-126-933-11	ELECT	100uF	20%	16V												
C153	1-126-933-11	ELECT	100uF	20%	16V												
C157	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V												
C159	1-137-649-31	ELECT	220uF	20%	10V												
C161	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V												
C163	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V												

XM

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>		<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
R120	1-216-834-11	METAL CHIP	12K	5%	1/10W			MISCELLANEOUS
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	57	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)
R124	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	101	1-828-953-11	WIRE (FLAT TYPE) (9 CORE)
						102	1-828-957-11	WIRE (FLAT TYPE) (9 CORE)
R125	1-216-813-11	METAL CHIP	220	5%	1/10W	104	1-828-973-11	WIRE (FLAT TYPE) (13 CORE)
R126	1-216-845-11	METAL CHIP	100K	5%	1/10W	△ 107	1-783-820-11	CORD, POWER
R127	1-216-809-11	METAL CHIP	100	5%	1/10W			
R128	1-216-845-11	METAL CHIP	100K	5%	1/10W	108	1-828-935-11	WIRE (FLAT TYPE) (5 CORE)
R129	1-216-809-11	METAL CHIP	100	5%	1/10W	△ F901	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (5A/125V)
						△ F4001	1-532-465-33	FUSE (T3.15AL/250V)
R130	1-216-809-11	METAL CHIP	100	5%	1/10W	△ F4002	1-532-465-33	FUSE (T3.15AL/250V)
R131	1-216-809-11	METAL CHIP	100	5%	1/10W	Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK
R132	1-216-832-11	METAL CHIP	8.2K	5%	1/10W			
R133	1-216-819-11	METAL CHIP	680	5%	1/10W	Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK
R134	1-216-809-11	METAL CHIP	100	5%	1/10W	Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK
						Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK
R135	1-216-864-11	SHORT CHIP	0			Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK
R137	1-216-834-11	METAL CHIP	12K	5%	1/10W	Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK
R138	1-216-821-11	METAL CHIP	1K	5%	1/10W			
R143	1-216-809-11	METAL CHIP	100	5%	1/10W	Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK
R144	1-216-821-11	METAL CHIP	1K	5%	1/10W	Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK
						Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK
R145	1-216-841-11	METAL CHIP	47K	5%	1/10W	Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK
R146	1-216-841-11	METAL CHIP	47K	5%	1/10W	△ T901	1-443-524-11	TRANSFORMER, POWER (MAIN)
R147	1-216-833-11	METAL CHIP	10K	5%	1/10W			
R152	1-216-809-11	METAL CHIP	100	5%	1/10W	TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA)
R154	1-216-809-11	METAL CHIP	100	5%	1/10W			
R156	1-216-811-11	METAL CHIP	150	5%	1/10W			
R158	1-216-829-11	METAL CHIP	4.7K	5%	1/10W			
R160	1-216-864-11	SHORT CHIP	0					
R162	1-216-825-11	METAL CHIP	2.2K	5%	1/10W			
R163	1-218-344-11	METAL CHIP	7.5K	5%	1/10W			
R170	1-216-864-11	SHORT CHIP	0					
R171	1-216-864-11	SHORT CHIP	0					
R172	1-216-864-11	SHORT CHIP	0					
R173	1-216-864-11	SHORT CHIP	0					
R174	1-216-819-11	METAL CHIP	680	5%	1/10W			
R176	1-216-833-11	METAL CHIP	10K	5%	1/10W			
	< VIBRATOR >							
X101	1-760-841-11	VIBRATOR, CRYSTAL (45.158MHz)						

MEMO

REVISION HISTORY

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