

STR-DG510

SERVICE MANUAL

Ver. 1.0 2007. 01

US Model
Canadian Model
AEP Model
UK Model



Photo: Black type

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

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

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

Amplifier section

Models of area code US, CND¹⁾
Minimum RMS Output Power (8 ohms, 20 Hz – 20 kHz, THD 0.09%)
90 W + 90 W
Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)
100 W + 100 W
Surround Mode Output Power²⁾ (8 ohms 1 kHz, THD 10%)
130 W/ch

Models of area code AEP, UK¹⁾
Minimum RMS Output Power (8 ohms, 20 Hz – 20 kHz, THD 0.09%)
85 W + 85 W
Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)
100 W + 100 W
Surround Mode Output Power²⁾ (8 ohms, 1 kHz, THD 10%)
130 W/ch

1) Measured under the following conditions:

Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP, UK	230 V AC, 50 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.

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-887-536-01

2007A04-1

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Sony Corporation

Home Audio Division

Published by Sony Techno Create Corporation

SONY®

STR-DG510

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

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

4) Weighted network, input level.

FM tuner section

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

AM tuner section

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

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

Video section

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

General

Power requirements	
Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP, UK	230 V AC, 50/60 Hz

Power consumption

Power consumption	
Area code	Power consumption
US, AEP, UK	220 W
CND	300 VA

Power consumption (during standby mode)

0.3 W

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

430.5 × 157.5 × 309 mm
(16 7/8 × 6 2/8 × 12 1/8
inches) including
projecting parts and
controls

Mass (Approx.) 7.7 kg (16 lb 16 oz)

Supplied accessories

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

Design and specifications are subject to change
without notice.

- Abbreviation
CND : Canadian model

SAFETY CHECK-OUT (US MODEL)

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

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

Check leakage as described below.

LEAKAGE TEST

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

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

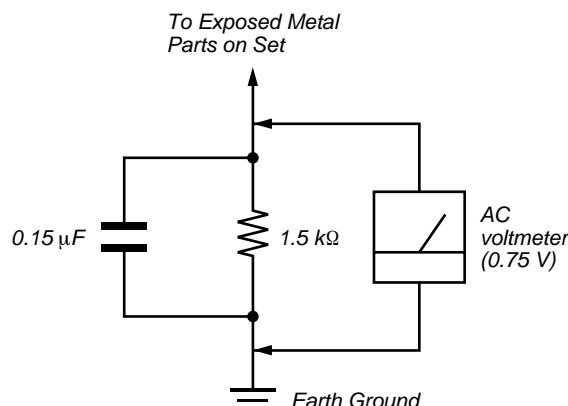
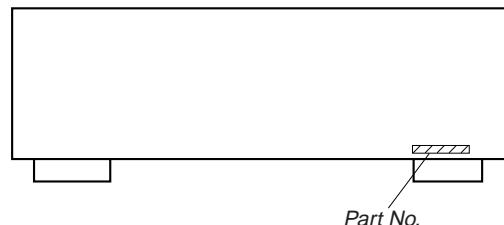


Fig. A. Using an AC voltmeter to check AC leakage.

MODEL IDENTIFICATION**— BACK PANEL —**

MODEL	PART NO.
US	2-896-346-0□
CND	2-896-346-1□
AEP, UK	2-896-346-2□

- Abbreviation

CND: Canadian model

SAFETY-RELATED COMPONENT WARNING!!

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

**ATTENTION AU COMPOSANT AYANT RAPPORT
À LA SÉCURITÉ!!**

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

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SECTION 1

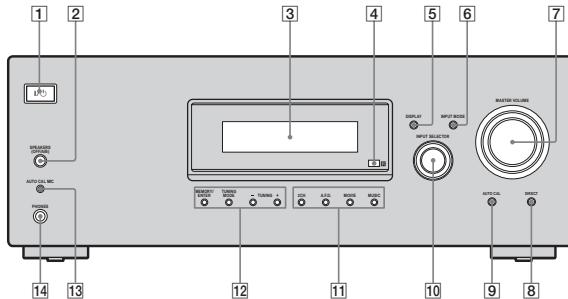
GENERAL

This section is extracted from instruction manual.

Getting Started

Description and location of parts

Front panel



Name	Function
① W¹ (on/standby)	Press to turn the receiver on or off (page 26, 34, 35, 52, 69).
② SPEAKERS (OFF/A/B)	Press to select the front speaker system (page 27).
③ Display	The current status of the selected component or a list of selectable items appears here (page 8).
④ Remote sensor	Receives signals from remote commander.
⑤ DISPLAY	Press to select information displayed on the display (page 57, 59).
⑥ INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks (page 58).

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

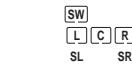
Name	Function
⑫ MEMORY/ ENTER	Press to operate the tuner (FM/AM) (page 52).
TUNING MODE	
TUNING +/-	
⑬ AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Auto Calibration function (page 28).
⑭ PHONES jack	Connects to headphones (page 64).

Getting Started

About the indicators on the display

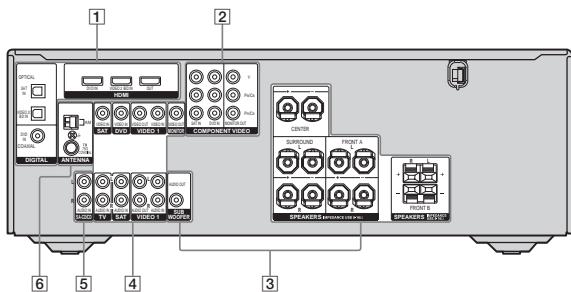
① SW	Lights up when sub woofer selection is set to "YES" (page 42) and the audio signal is output from the SUB WOOFER jack.
② LFE	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
③ SP A/SP B	Lights up according to the speaker system used. However, these indicators do not light up if the speaker output is turned off or if headphones are connected.
④ DOLBY	Lights up when the receiver is decoding Dolby Digital signals. Note When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 58).
⑤ DOLBY PLII	"DOLBY PLII" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "DOLBY PLII" lights up when the Pro Logic II Movie/Music decoder is activated. However, these indicators do not light up if both the center and surround speakers are set to "NO" (page 38) and you select a sound field using the A.F.D. button.
⑥ OPT	Lights up when VIDEO 2 input is selected. However, "UNLOCK" appears on the display if no digital signal is input through the OPTICAL jack. "OPT" also lights up when SAT input is selected if - INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the OPTICAL jack. - INPUT MODE is set to "OPT IN" (page 58).
⑦ DTS	Lights up when the receiver is decoding DTS signals. Note When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 58).

Name	Function
⑧ MEMORY	Lights up when a memory function, such as Preset Memory (page 55), etc., is activated.
⑨ Tuner indicators	Lights up when using the receiver to tune in radio stations (page 52), etc. Note "RDS" appears for models of area code CEL, CEK only.
⑩ Preset station indicators	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations, see page 54.
⑪ D.RANGE	Lights up when dynamic range compression is activated (page 37).
⑫ COAX	Lights up when DVD input is selected. However, "UNLOCK" appears on the display if no digital signal is input through the COAXIAL jack.
⑬ Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speaker settings). L Front Left R Front Right C Center (monaural) SL Surround Left SR Surround Right S Surround (monaural or the surround components obtained by Pro Logic processing) Example: Recording format (Front/Surround): 3/2.1 Output channel: When surround speakers are set to "NO" (page 38) Sound Field: A.F.D. AUTO



Getting Started

Rear panel



① DIGITAL INPUT/OUTPUT section

	OPTICAL IN jacks	Connects to a DVD player, etc. The COAXIAL jack provides a better quality of sound (page 18, 21, 23).
	HDMI IN/OUT jacks*	Connects to a DVD player, etc. The image and the sound are output to a TV or a projector (page 18).

② COMPONENT VIDEO INPUT/OUTPUT section

	COMPONENT VIDEO INPUT/OUTPUT jacks*	Connects to a DVD player, TV, or a satellite tuner. You can enjoy high quality image (page 20, 21, 23).
	Red (R) (Pg/Cs)	

③ SPEAKERS section

	Speakers	Connects to speakers (page 15).
	Subwoofer	Connects to a subwoofer (page 15).

④ VIDEO/AUDIO INPUT/OUTPUT section

	AUDIO IN/OUT jacks	Connects to a VCR, a DVD player, etc. (page 20–24).
	VIDEO IN/OUT jacks*	

⑤ AUDIO INPUT section

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

10^{GB}

Name Function

	(on/standby)	Press TV I/O and TV (13) at the same time to turn the TV on or off.
	(on/standby)	Press to turn on or off the Sony audio/video components that the remote is assigned to operate (page 61). If you press I/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).
	(on/standby)	Press to turn the receiver on or off. To turn off all components, press I/O 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 change the button assignments following the "Changing button assignments" on page 61.

Button	Assigned Sony component
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 2)
VIDEO 3	Not assigned
DVD	DVD player
SAT	Digital Satellite Receiver
TV	TV
SA-CD/CD	Super Audio CD/CD player
TUNER	Built-in tuner

12^{GB}

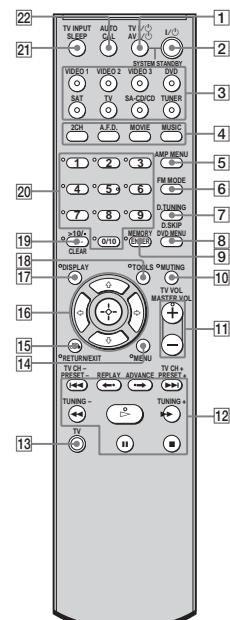
⑥ ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna (aerial) supplied with this receiver (page 25).
	AM ANTENNA terminals	Connects to the AM loop antenna (aerial) supplied with this receiver (page 25).

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

Remote commander

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



continued

11^{GB}

Name Function

	Press to select a sound field.

⑤ AMP MENU

Press to display the menu of the receiver. Then, use , , , and (16) to perform menu operations.

⑥ FM MODE

Press to select the FM monaural or stereo reception.

⑦ D.TUNING

Press to enter direct tuning mode.

⑧ D.SKIP

Press to skip a disc when using a multi-disc changer.

⑨ DVD MENU

Press to display the menu of the DVD player on the TV screen.

Then, use , , , and (16) to perform menu operations.

⑩ ENTER

Press to enter the value after selecting a channel, disc or track using the numeric buttons of the TV, VCR or satellite tuner.

⑪ MEMORY

Press to store a station.

⑫ MUTING

Press to activate the muting function.

Press MUTING and TV (13) at the same time to activate the TV's muting function.

⑬ TV VOL +/−

Press TV VOL +/− and TV (13) at the same time to adjust the TV volume level.

⑭ MASTER VOL +/−

Press to adjust the volume level of all speakers at the same time.

⑮ REPLAY ←/→ ADVANCE ←/→

Press to replay the previous scene or fast forward the current scene of the VCR, DVD player or blu-ray disc player.

⑯ TUNING ←/→

Press to scan a station.

⑰ TV

Press TV and the button you want at the same time to activate the buttons with orange printing.

⑱ MENU

Press to display the menu of the VCR, DVD player, satellite tuner or blu-ray disc player on the TV screen.

Press MENU and TV (13) at the same time to display the TV's menu.

Then, use , , , and (16) to perform menu operations.

Name Function

	Press to return to the previous menu.
	Press DISPLAY and TV (13) at the same time to display TV's menu while the menu is displayed on the TV screen.

Press RETURN/EXIT and TV (13) at the same time to return to the previous menu or exit the TV's menu while the menu is displayed on the TV screen.

After pressing AMP MENU (5), DVD MENU (8), or MENU (14), press , , , or to select the settings. Then, press to enter the selection for DVD MENU or MENU.

Press also to enter the selection of the receiver, VCR, satellite tuner, CD player, DVD player or blu-ray disc player.

Press to select information displayed on the TV screen of the VCR, satellite tuner, CD player, DVD player or blu-ray disc player.

Press DISPLAY and TV (13) at the same time to display TV's information on the TV screen.

Press to select options applicable to the entire disc (e.g. disc protection), recorder (e.g. audio settings during recording), or multiple items on a list menu (e.g. erasing multiple titles).

Press TOOLS and TV (13) at the same time to display options applicable to the TV.

continued

13^{GB}

Name	Function
[19] \neg	Press \neg and TV ([13]) at the same time to select the channel entry mode, either one or two digits of the TV.
>10/-	Press to select – track numbers over 10 of the VCR, satellite tuner or CD player. – channel numbers of the Digital CATV terminal.
CLEAR	Press to clear a mistake when you press the incorrect numeric button.
[20] Numeric buttons (number 5^{a)})	Press to – preset/tune to preset stations. – select track numbers of the CD player, DVD player or blu-ray disc player. Press 0/10 to select track number 10. – select channel numbers of the VCR or satellite tuner. Press the numeric buttons and TV ([13]) at the same time to select the TV channels.
[21] TV INPUT	Press TV INPUT and TV ([13]) at the same time to select the input signal (TV input or video input).
SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.
[22] AUTO CAL	Press to activate the Auto Calibration function.

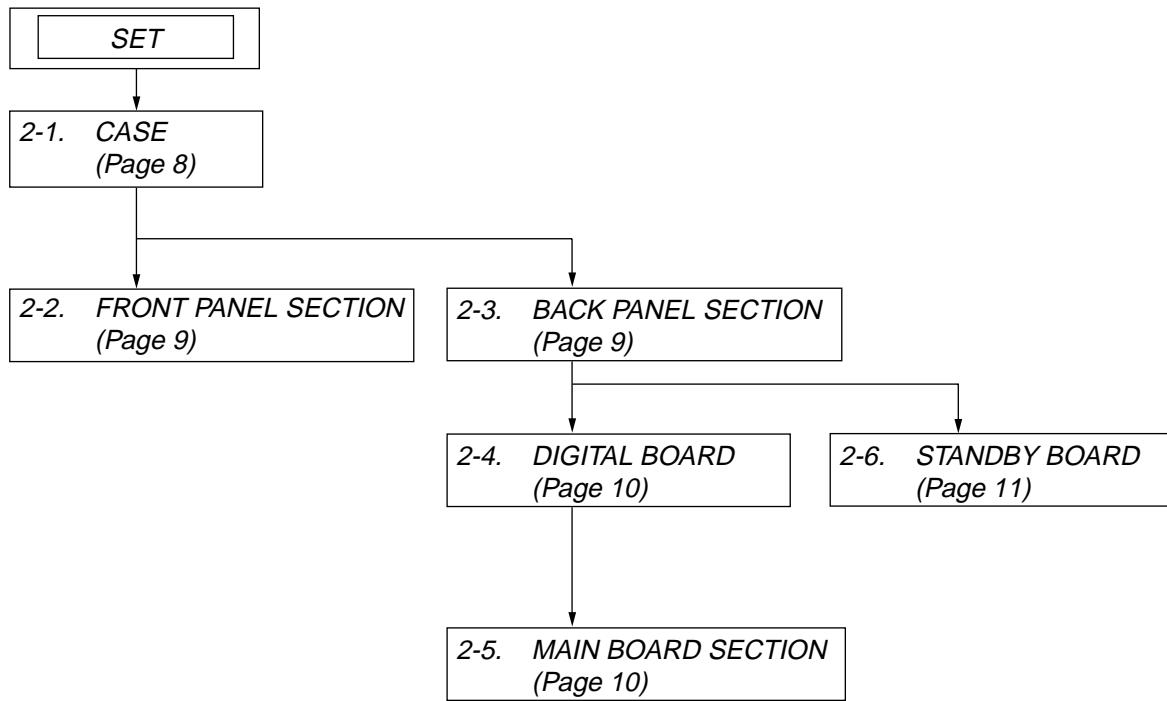
^{a)}The number 5, MASTER VOL +, TV VOL +, and \neg buttons have tactile dots. Use the tactile dots as references when operating the receiver.

Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.
- The VIDEO 3 button on the remote is not available for receiver operation.

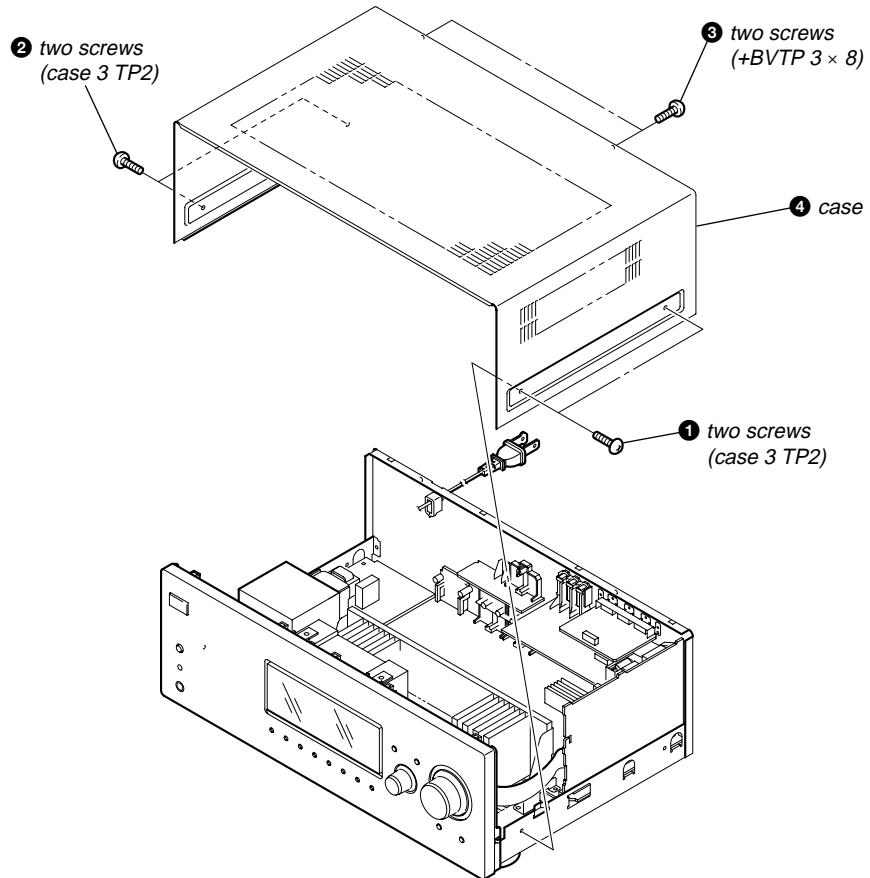
SECTION 2 DISASSEMBLY

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

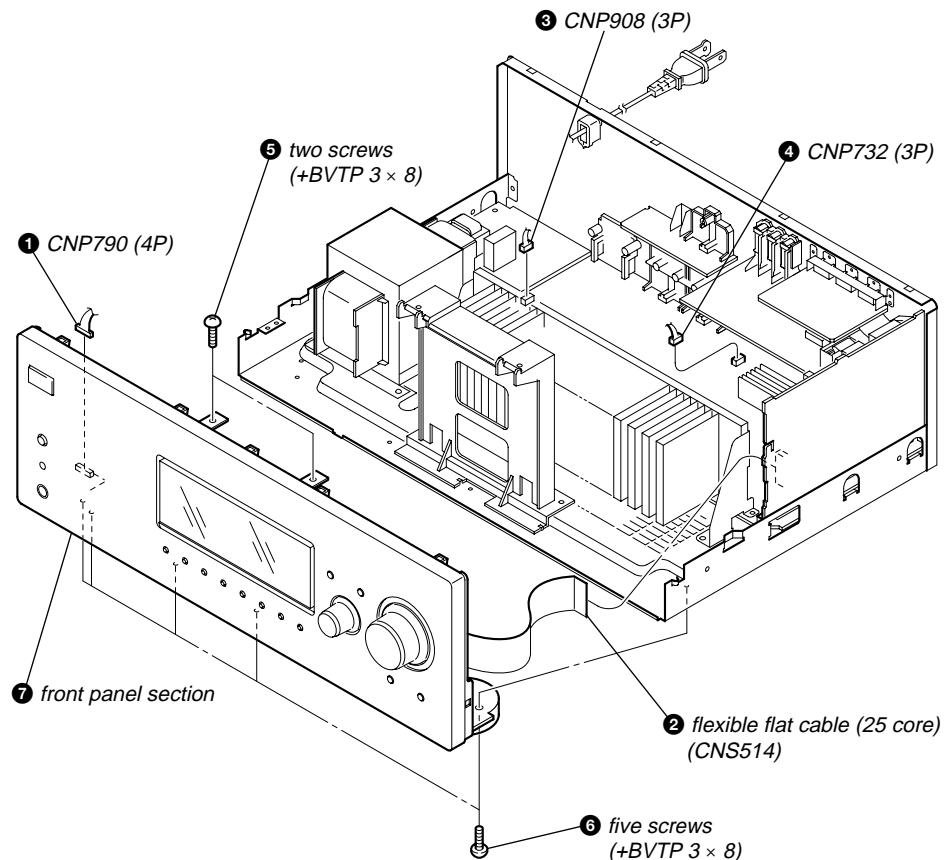


Note : Follow the disassembly procedure in the numerical order given.

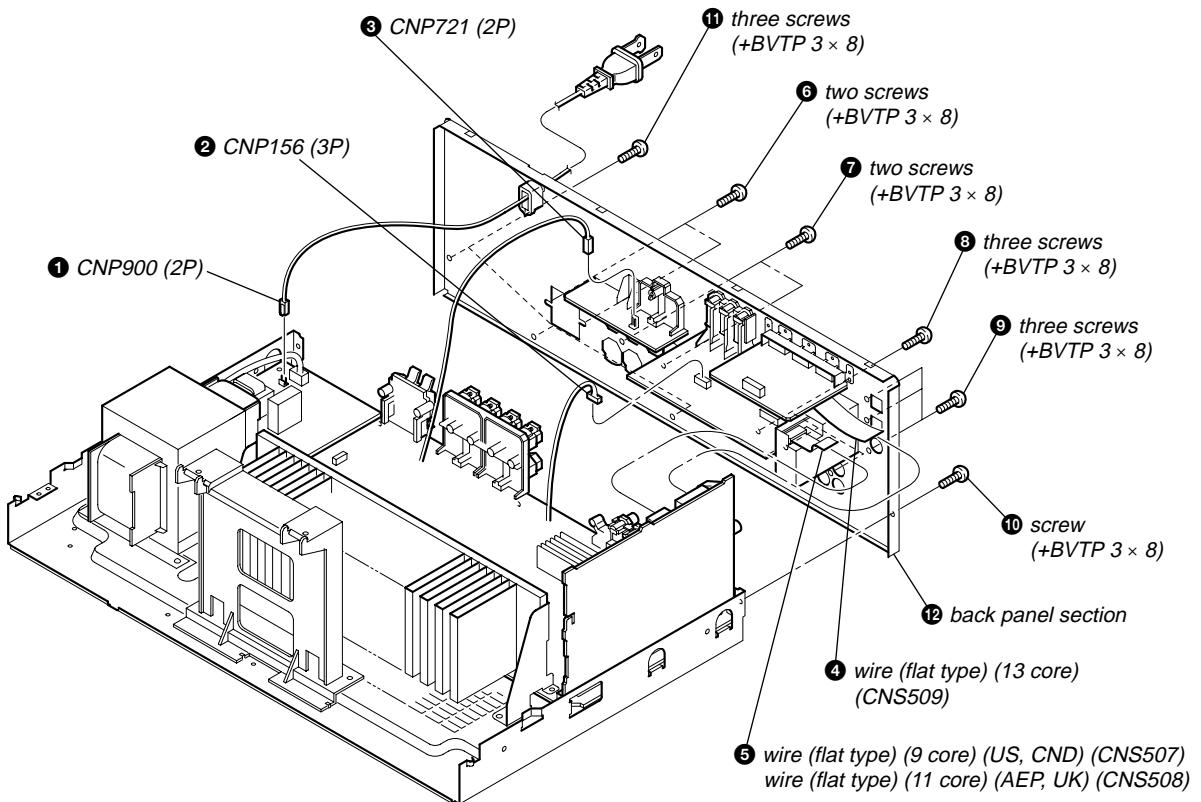
2-1. CASE

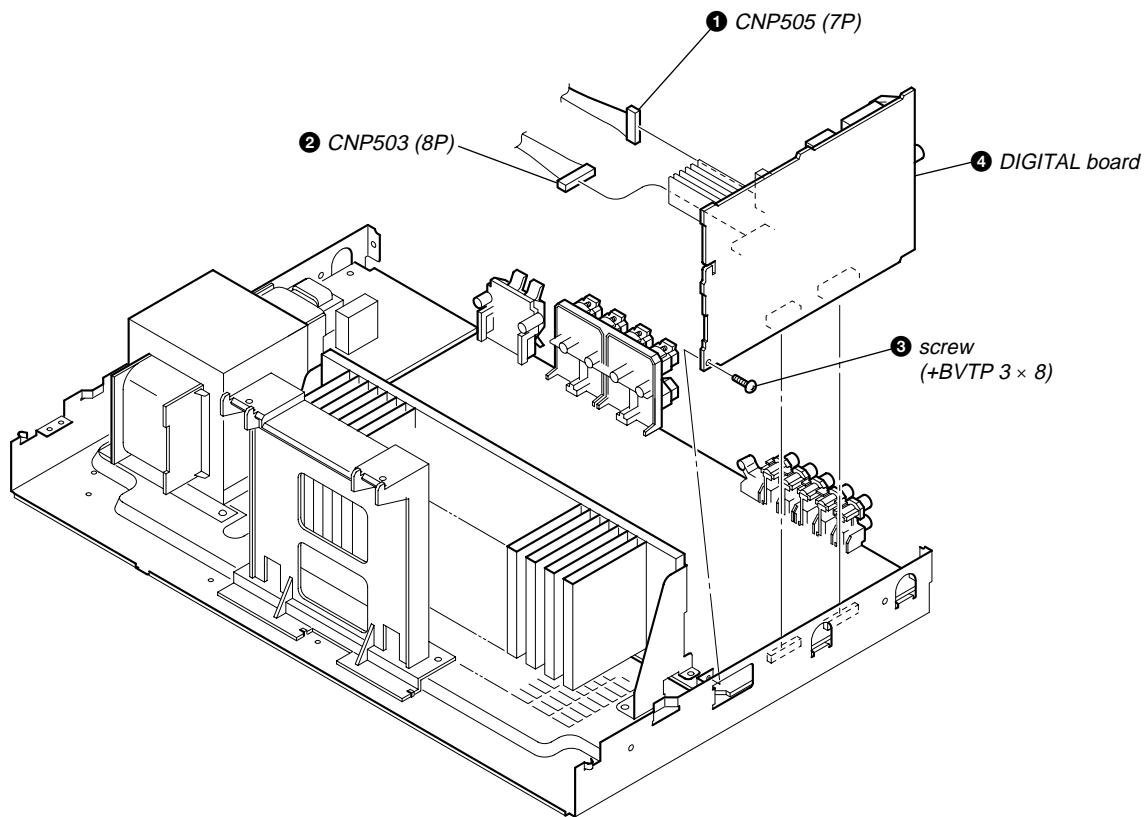
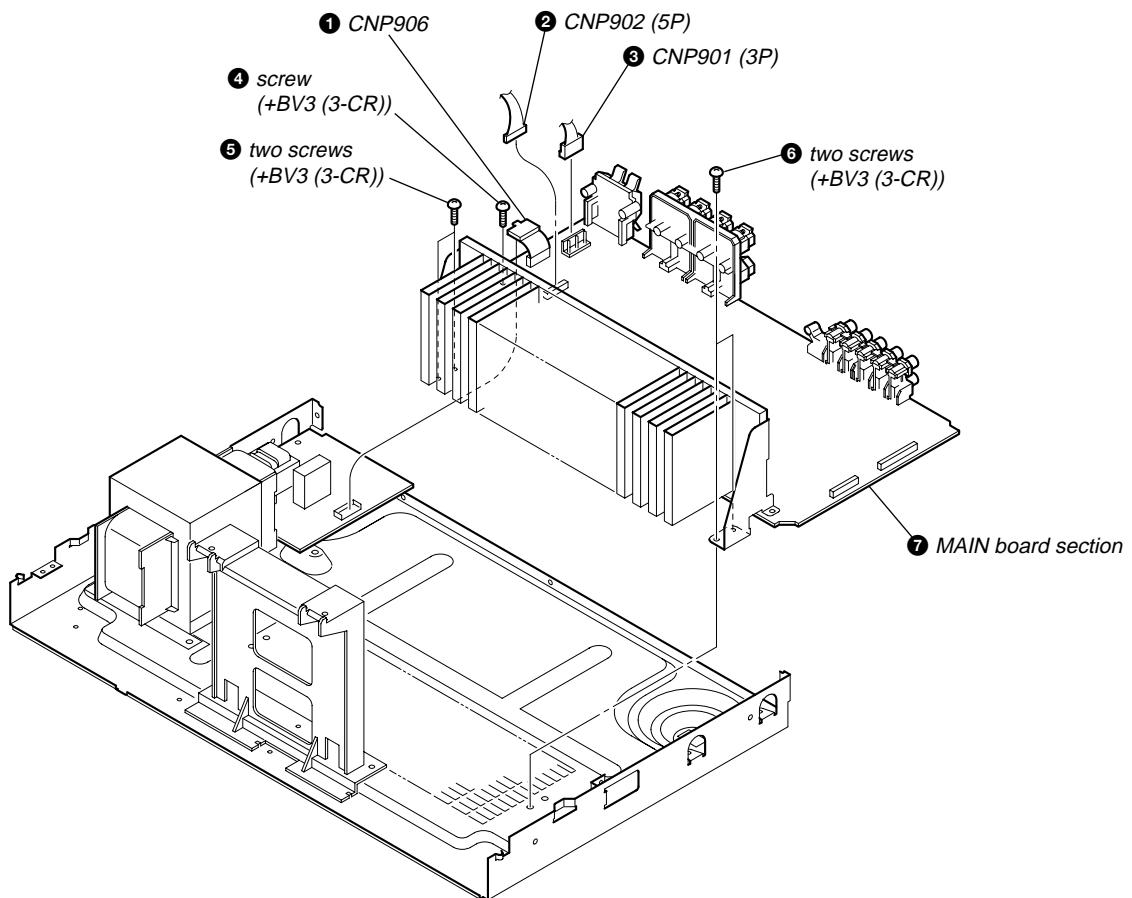


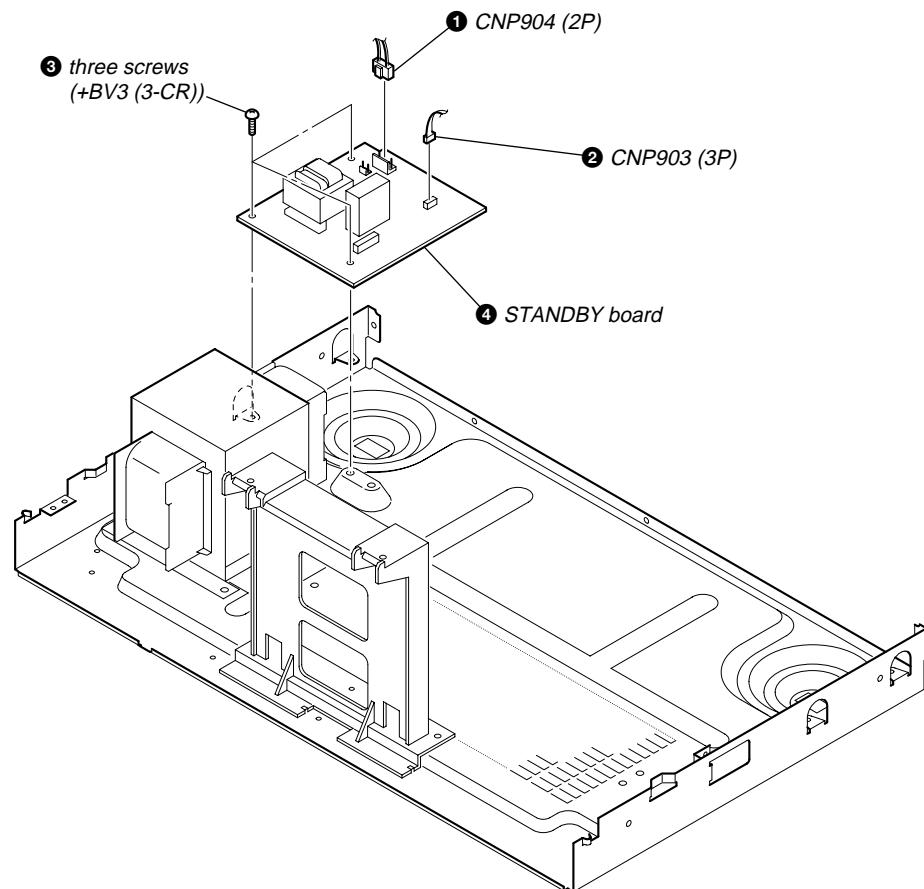
2-2. FRONT PANEL SECTION



2-3. BACK PANEL SECTION



2-4. DIGITAL BOARD**2-5. MAIN BOARD SECTION**

2-6. STANDBY BOARD

SECTION 3

TEST MODE

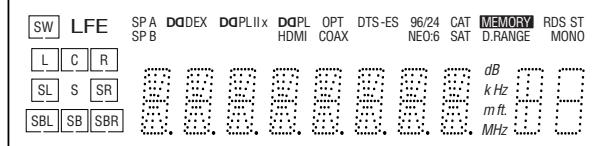
AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE (US, Canadian model only)

- * Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
- * Procedure:
 - Turn the [INPUT SELECTOR] control to set AM and press the [I/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.

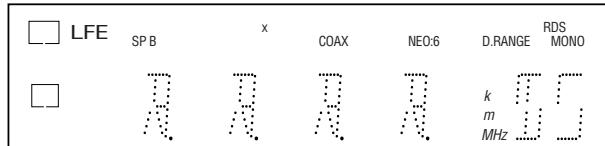
VACUUM FLUORESCENT DISPLAY TEST MODE

- * 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.

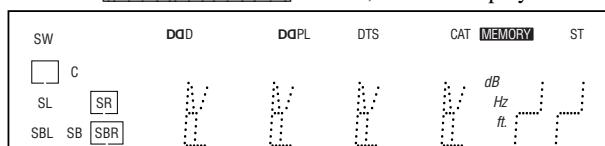
1. ALL segments light on.



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

SHIPMENT MODE

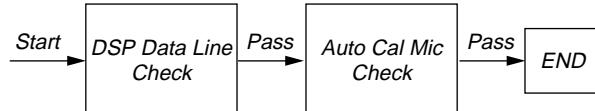
All preset contents are reset to the default setting.

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

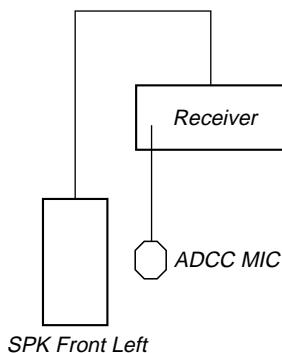
DCAC FACTORY TEST MODE

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.

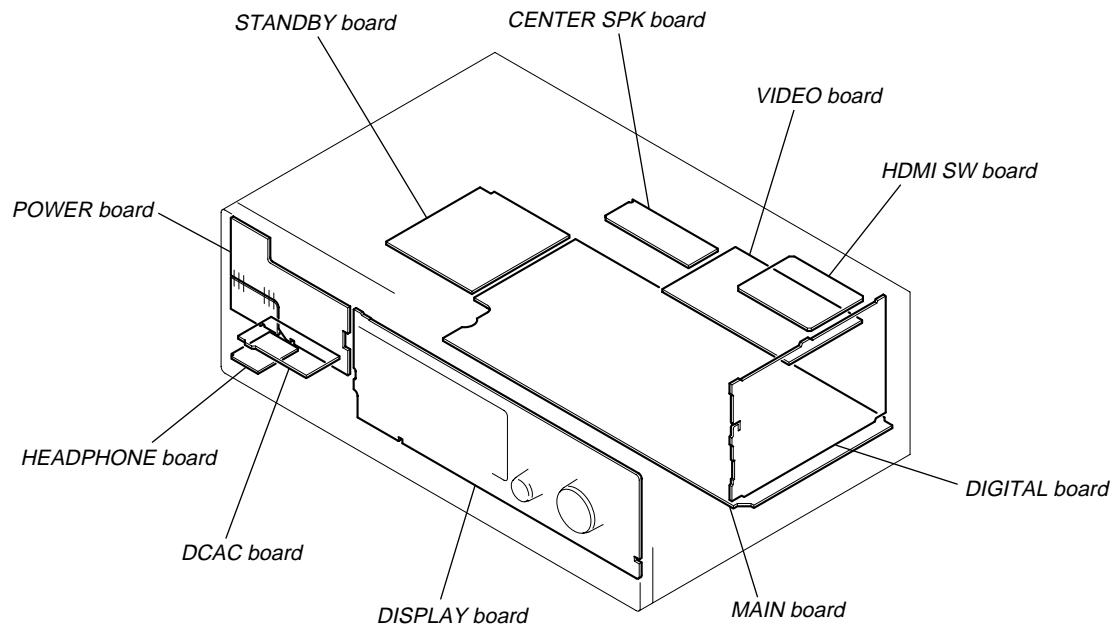
(3) Set to FM tuner function and scan the input FM signal with automatic scanning.

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

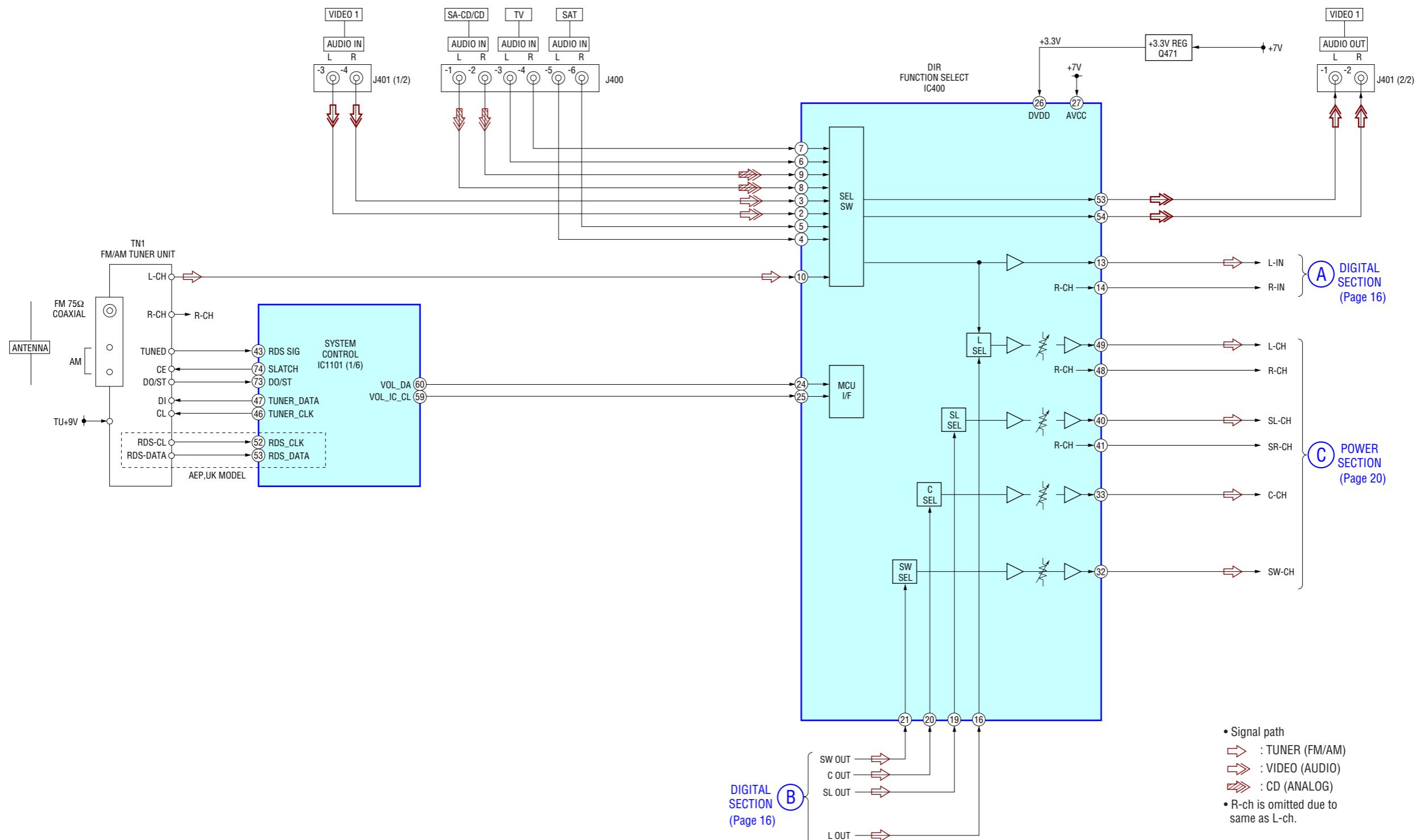
The stop of automatic scanning means “The station signal is received in good condition.”

**SECTION 5
DIAGRAMS**

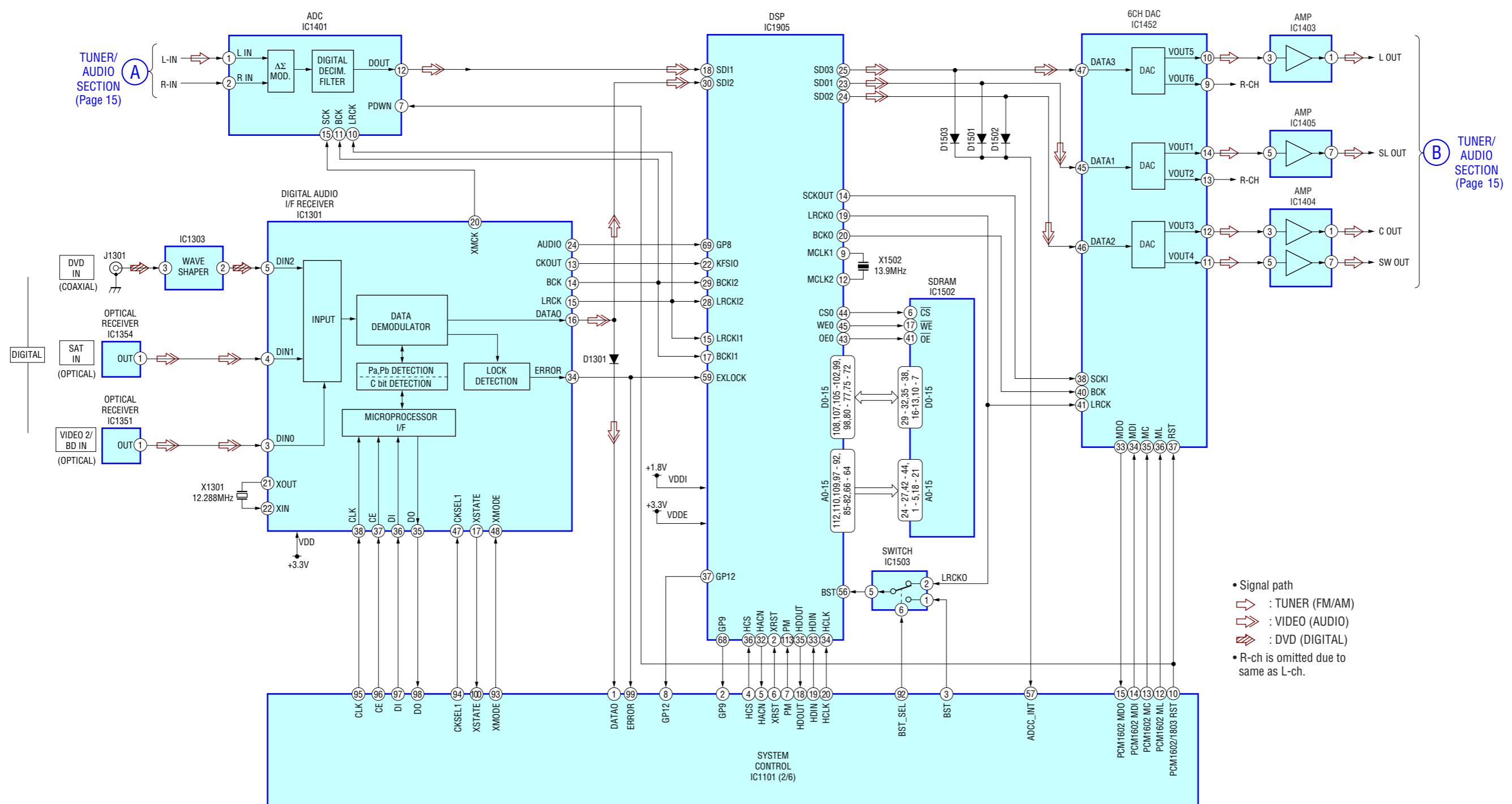
• Circuit Boards Location



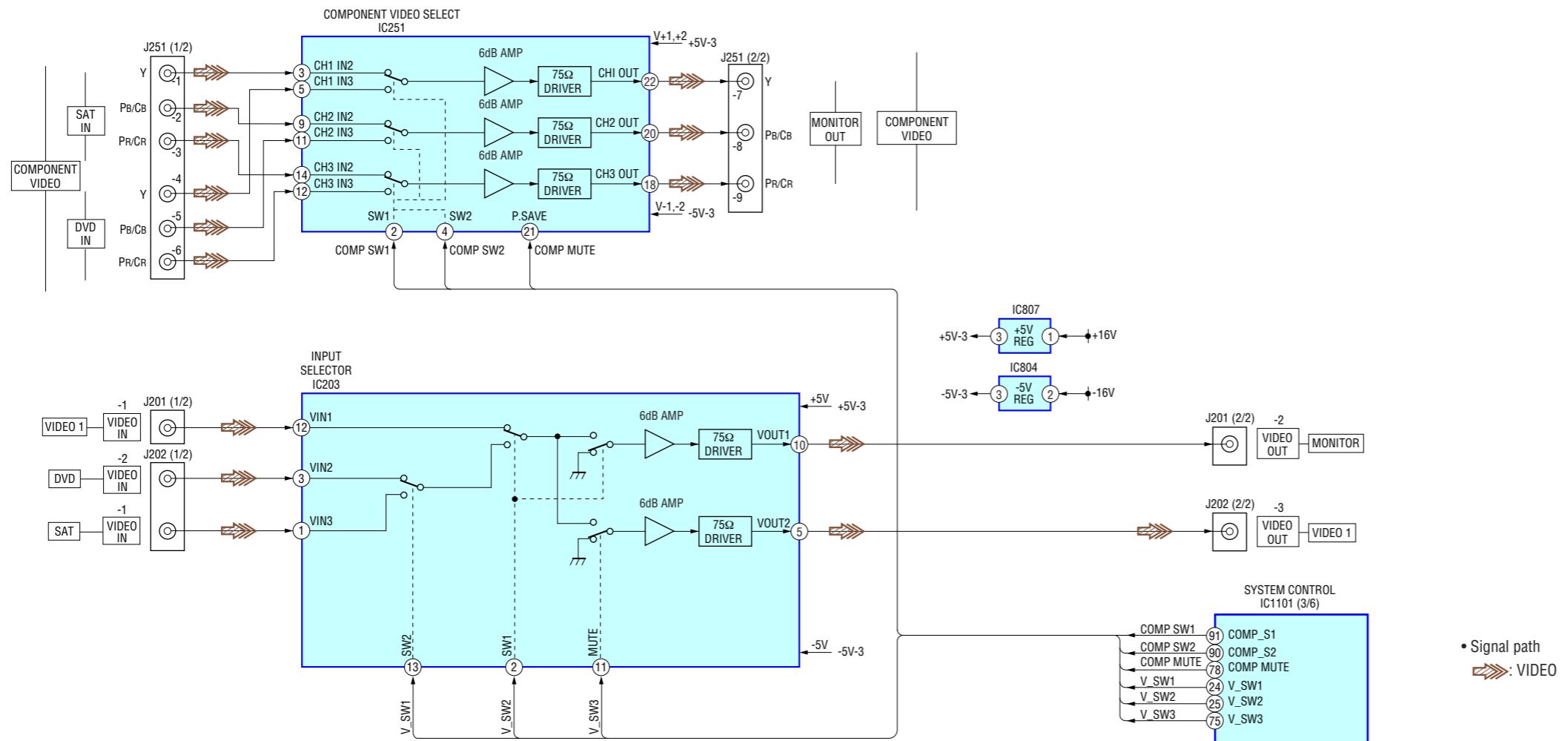
5-1. BLOCK DIAGRAM — TUNER/AUDIO SECTION —



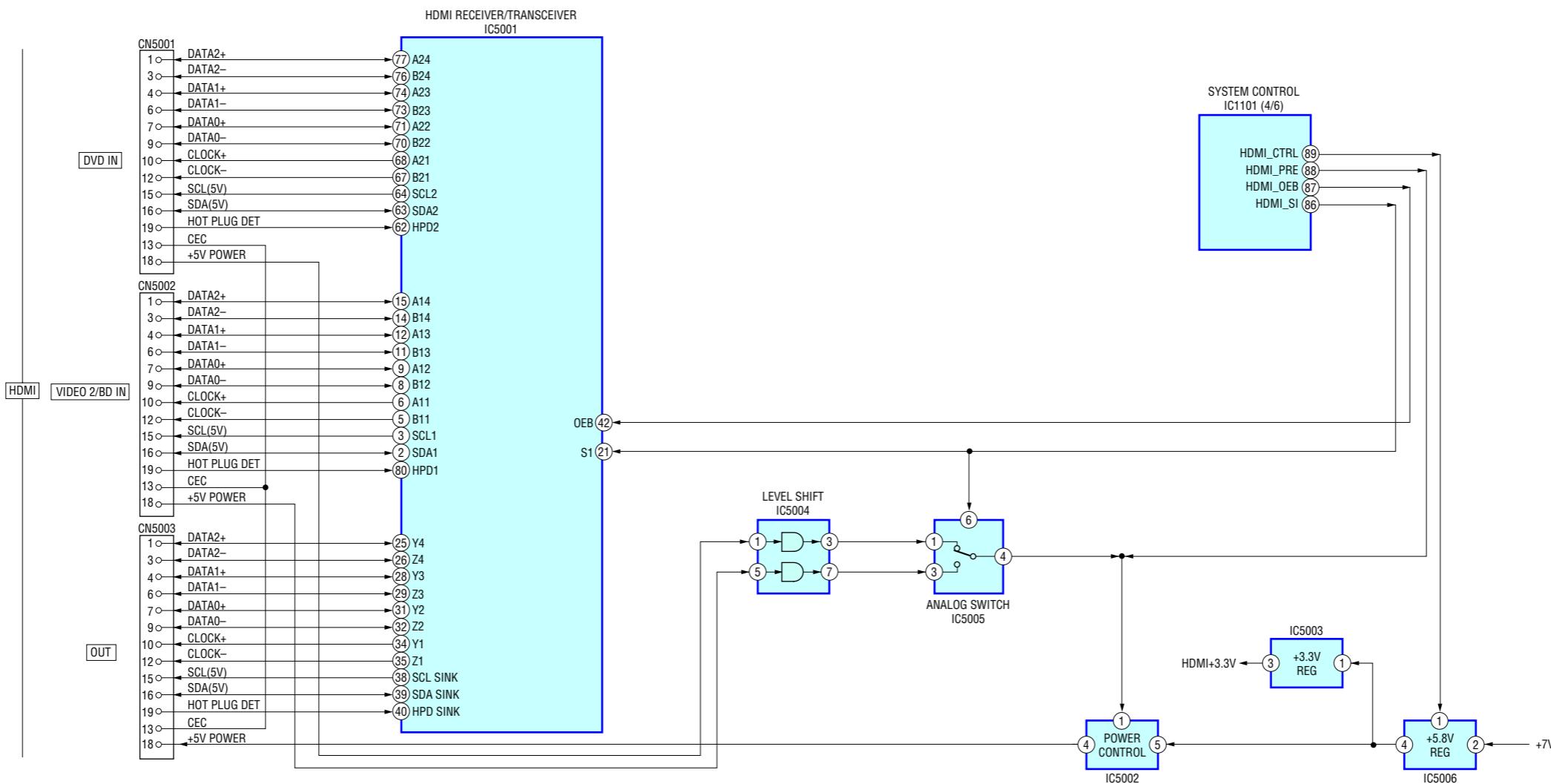
5-2. BLOCK DIAGRAM — DIGITAL SECTION —



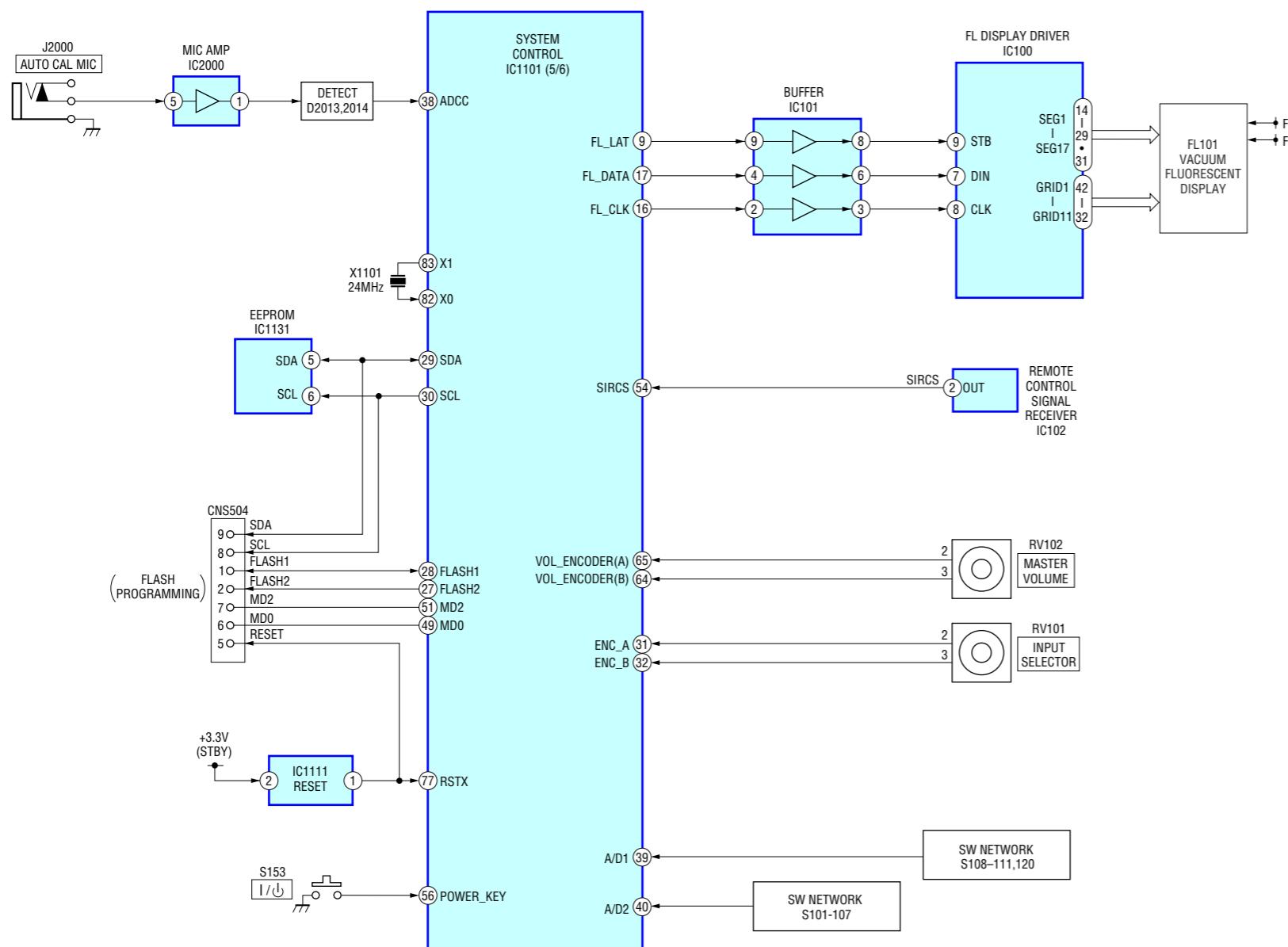
5-3. BLOCK DIAGRAM — VIDEO SECTION —



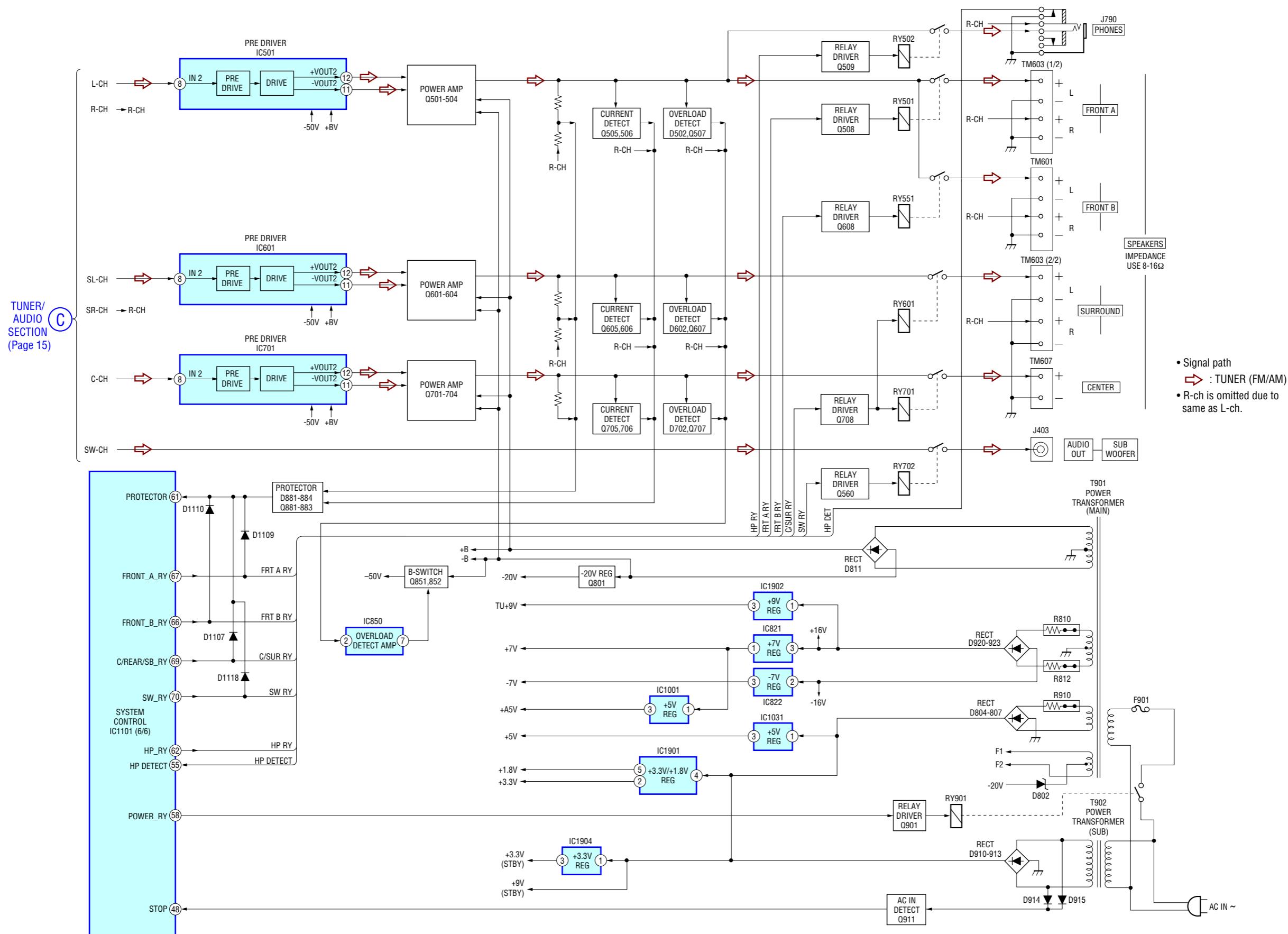
5-4. BLOCK DIAGRAM — HDMI SW SECTION —



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



5-6. BLOCK DIAGRAM — POWER SECTION —



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

for schematic diagram:

- All capacitors are in μF unless otherwise noted. (p: pF)
 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ 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 a oscilloscope.
 Voltage variations may be noted due to normal production tolerances.

- Circled numbers refer to waveforms.
- Signal path.

- : TUNER (FM/AM)
- : VIDEO (AUDIO)
- : VIDEO
- : DVD (DIGITAL)
- : CD (ANALOG)

- Abbreviation
CND : Canadian model.

for printed wiring boards:

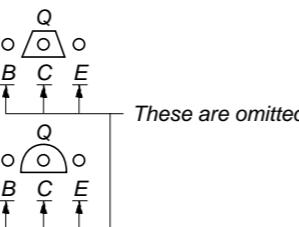
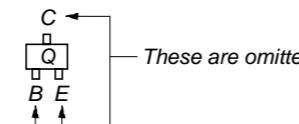
- : parts extracted from the component side.
- \triangle : internal component.
- : Pattern from the side which enables seeing.

Caution:

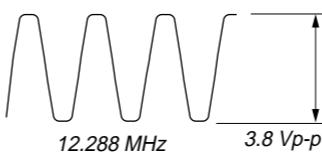
Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.
 Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.

- Abbreviation

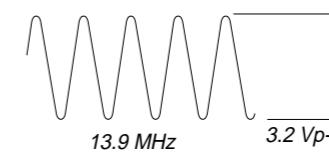
CND : Canadian model.



• Waveforms
— DIGITAL Board —

① IC1301 ⑩ (CKOUT)

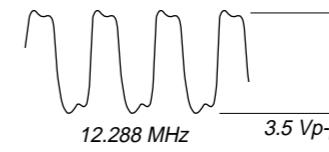
1V/DIV, 50nsec/DIV

⑤ IC1905 ⑫ (MCLK2)

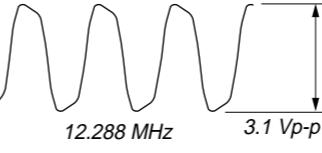
1V/DIV, 50nsec/DIV

② IC1301 ⑭ (BCK)

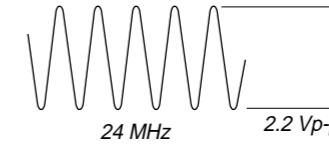
1V/DIV, 0.2μs/DIV

⑥ IC1905 ⑭ (SCKOUT)

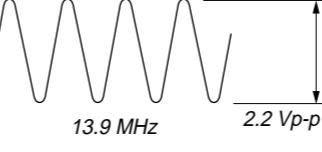
1V/DIV, 50nsec/DIV

③ IC1301 ㉑ (XOUT)

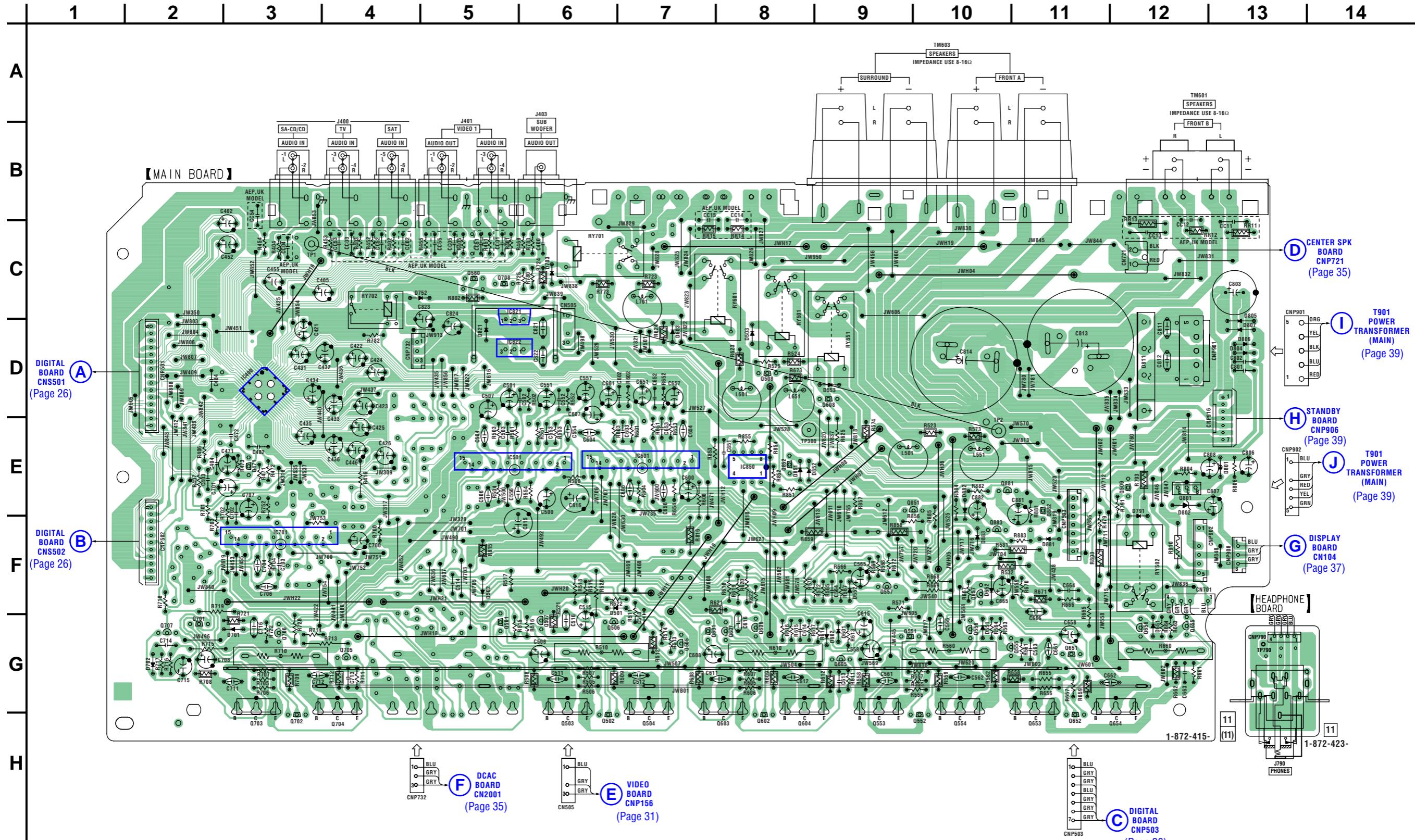
1V/DIV, 50nsec/DIV

⑦ IC1101 ⑧ (X1)

1V/DIV, 50nsec/DIV

④ IC1905 ⑨ (MCLK1)

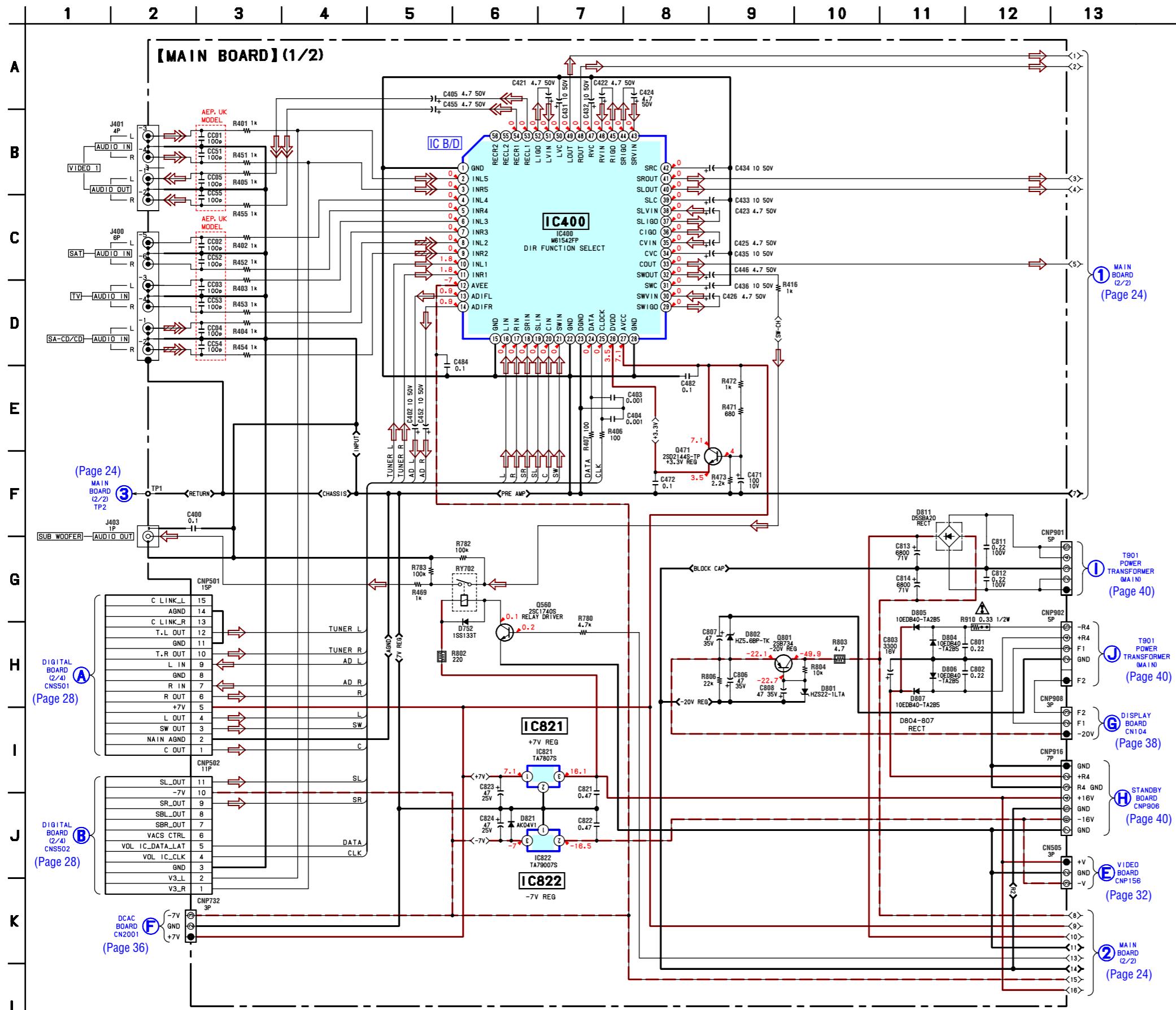
1V/DIV, 50nsec/DIV

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

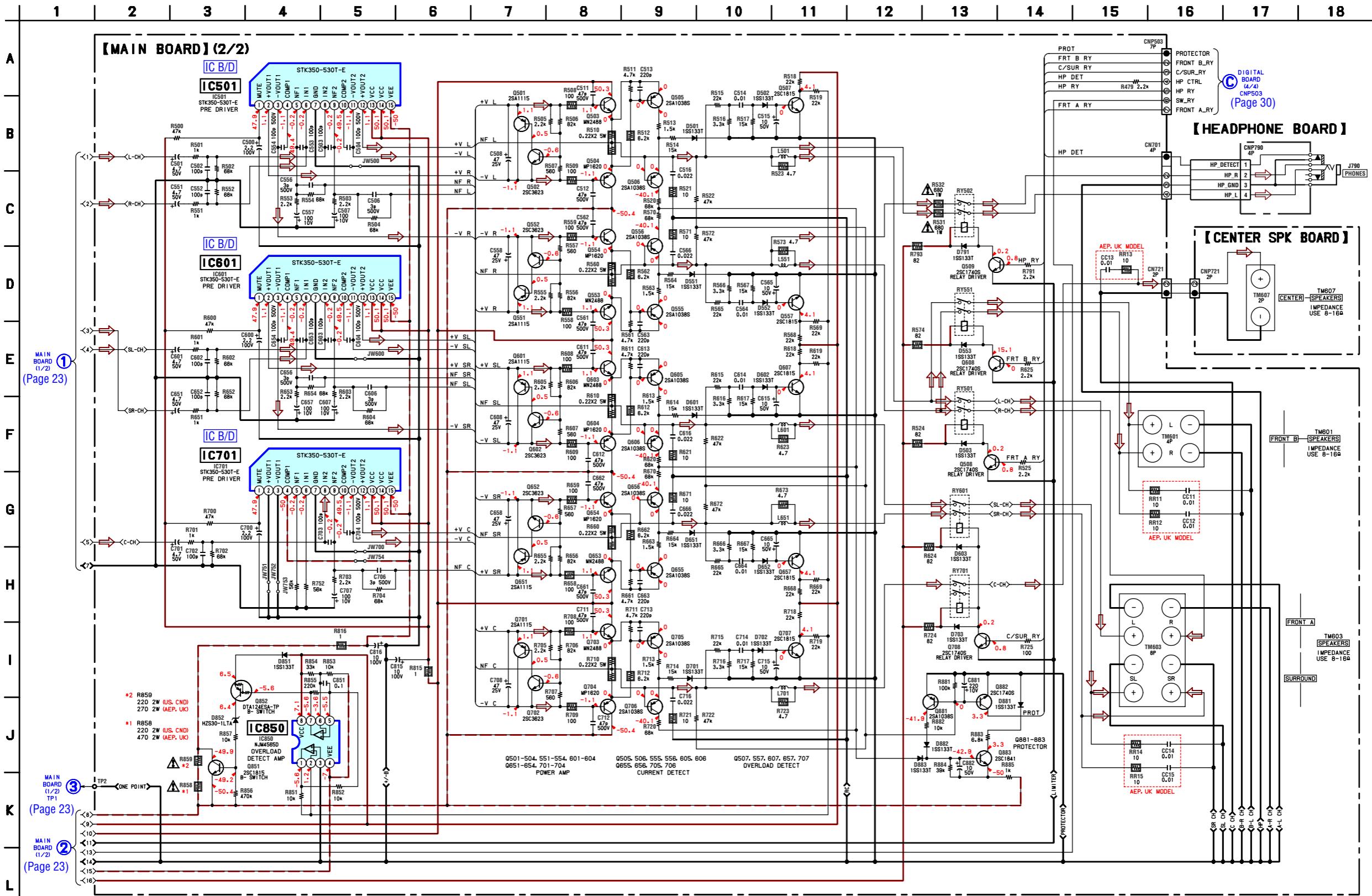
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D501	F-6	D652	F-10	D806	D-13	IC400	D-3	Q502	H-6	Q553	H-9	Q605	G-9	Q657	F-10	Q851	E-10
D502	F-5	D701	G-3	D807	D-13	IC501	E-5	Q503	H-6	Q554	H-10	Q606	G-8	Q701	G-2	Q852	E-8
D503	D-8	D702	G-2	D811	D-12	IC601	E-7	Q504	H-7	Q555	G-10	Q607	G-8	Q702	H-3	Q881	E-10
D551	G-10	D703	C-6	D821	D-5	IC701	F-3	Q505	G-7	Q556	G-10	Q608	D-9	Q703	H-3	Q882	E-11
D552	F-9	D752	C-5	D851	E-8	IC821	C-5	Q506	G-6	Q557	F-9	Q651	G-11	Q704	H-4	Q883	F-10
D553	D-9	D791	E-12	D852	E-8	IC822	D-5	Q507	G-6	Q560	C-5	Q652	H-11	Q705	G-4		
D601	G-9	D801	E-13	D881	F-11	IC850	E-8	Q508	D-8	Q601	G-7	Q653	H-11	Q706	G-3		
D602	G-9	D802	E-12	D882	E-10			Q509	E-12	Q602	H-8	Q654	H-12	Q707	G-2		
D603	D-7	D804	D-13	D883	F-10	Q471	E-3	Q551	G-9	Q603	H-8	Q655	G-12	Q708	C-5		
D651	G-12	D805	D-13			Q501	G-5	Q552	H-10	Q604	H-8	Q656	G-12	Q801	E-12		

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



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

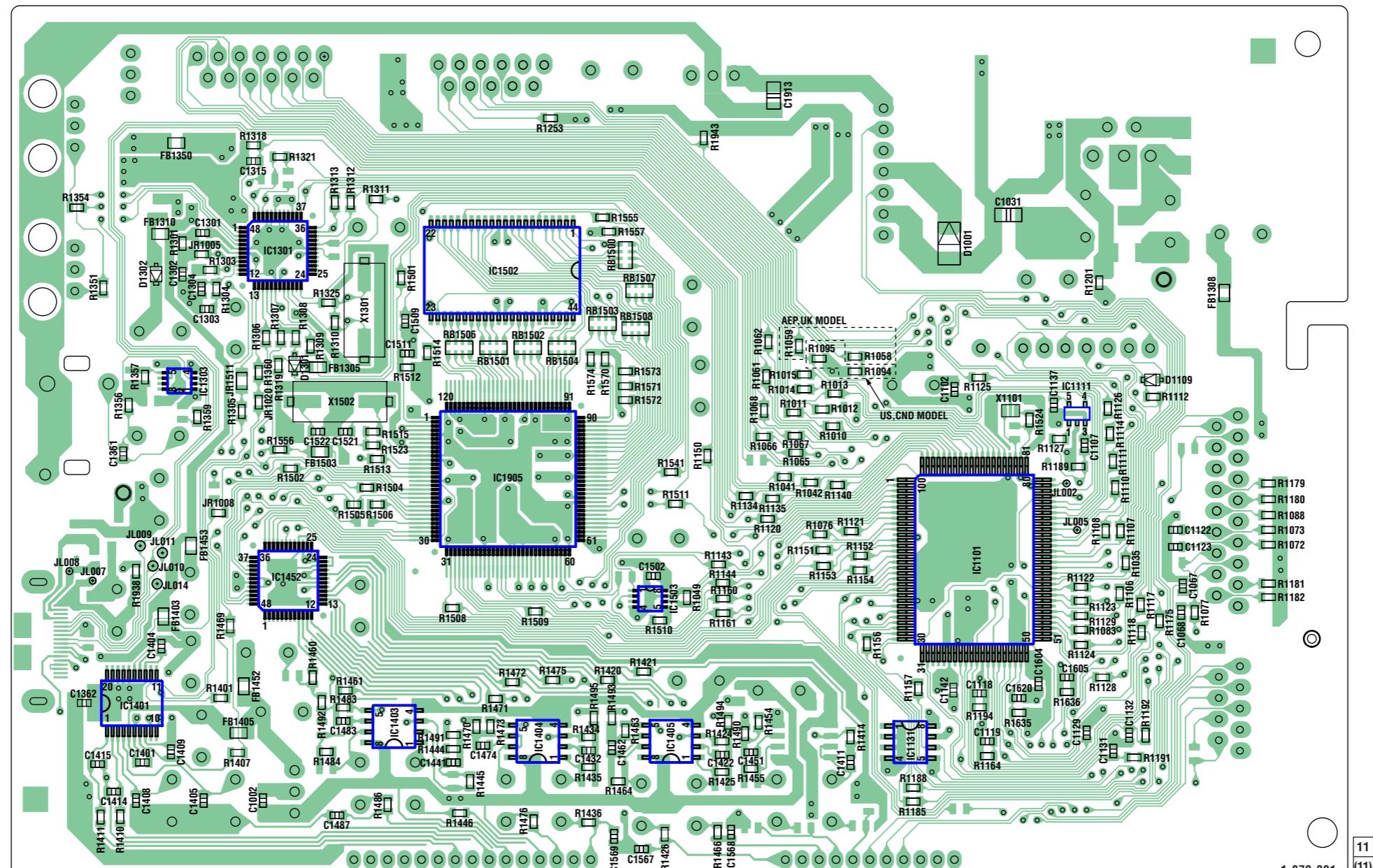


5-10. PRINTED WIRING BOARD — DIGITAL SECTION (1/2) — • Refer to page 14 for Circuit Boards Location.

 : Uses unleaded solder

14 | **13** | **12** | **11** | **10** | **9** | **8** | **7** | **6** | **5** | **4** | **3** | **2** | **1**

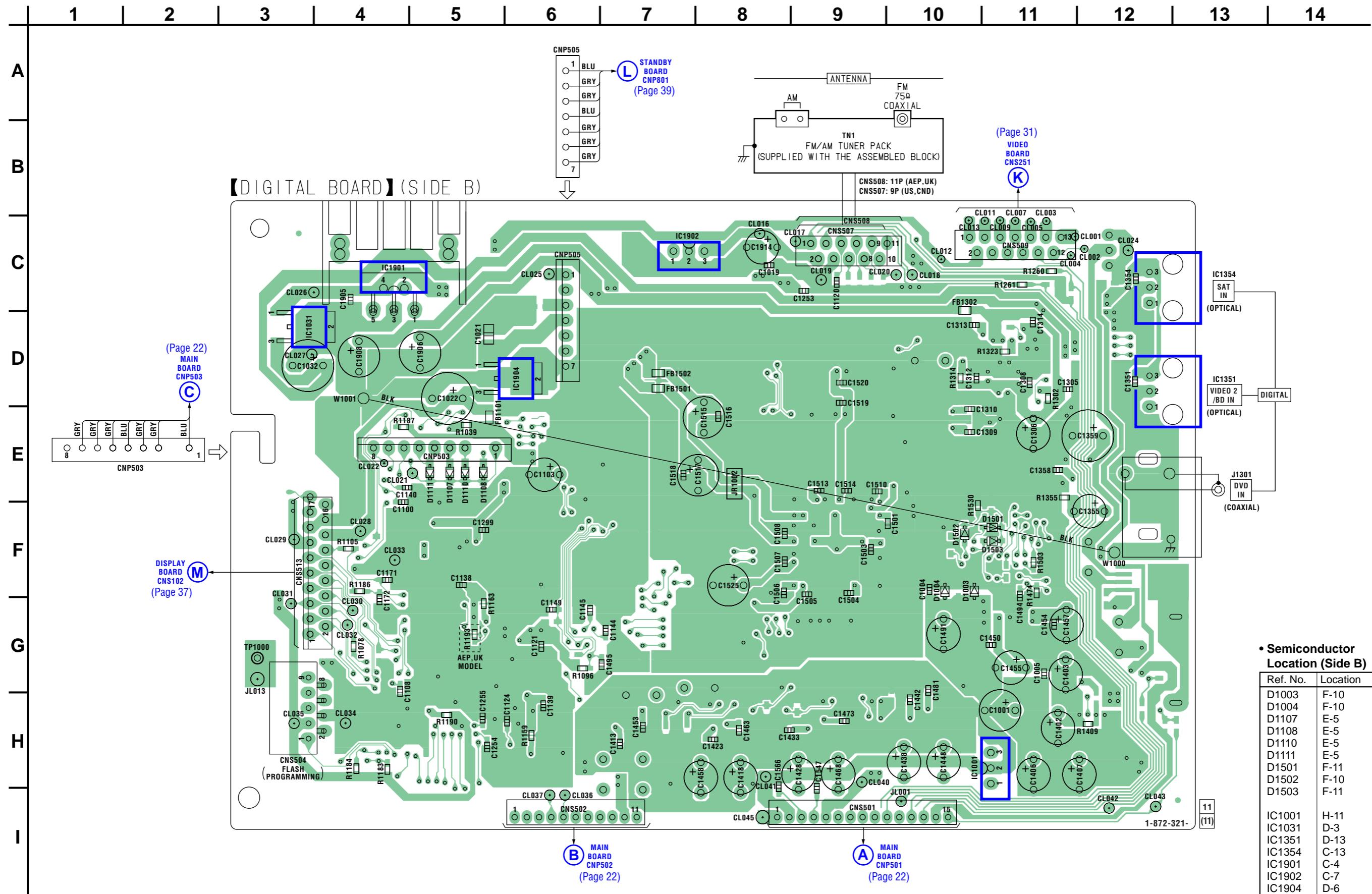
【DIGITAL BOARD】(SIDE A)



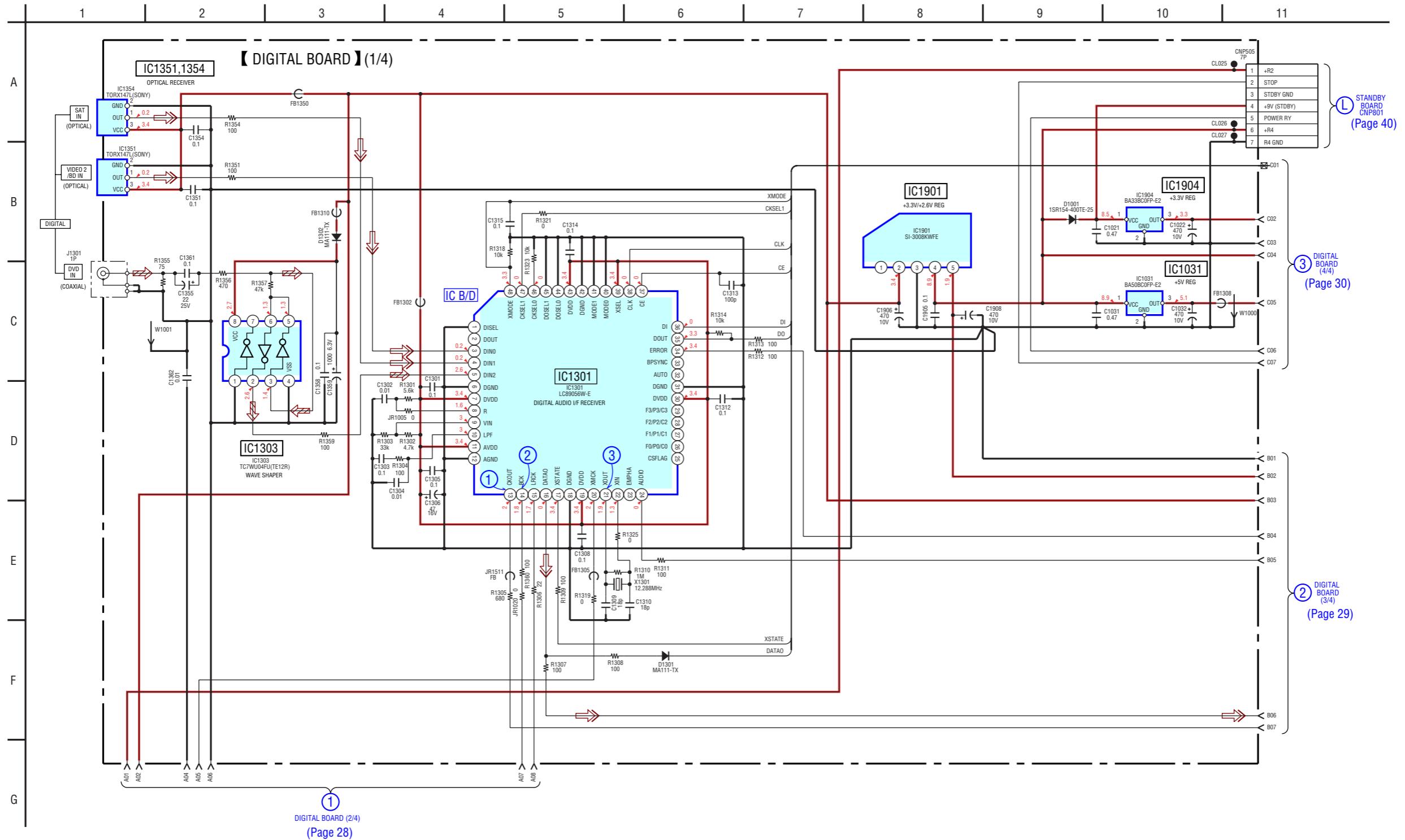
• Semiconductor Location (Side A)	
Ref. No.	Location
D1001	D-6
D1109	E-4
D1301	E-11
D1302	D-12
IC1101	G-5
IC1111	E-5
IC1131	H-6
IC1301	D-11
IC1303	E-11
IC1401	H-12
IC1403	H-10
IC1404	H-9
IC1405	H-8
IC1452	G-11
IC1502	D-9
IC1503	G-8
IC1905	F-9

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

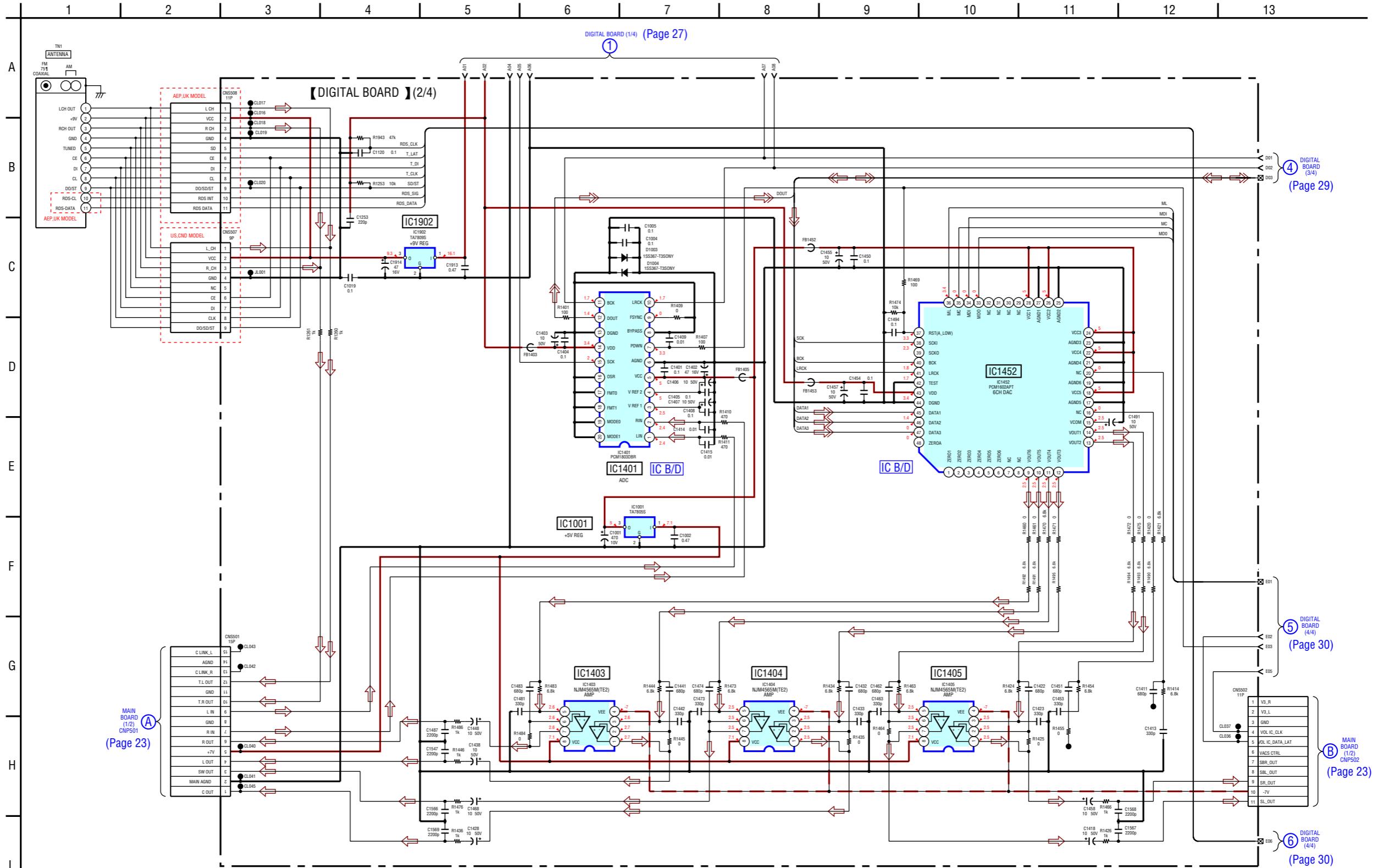
 : Uses unleaded solder



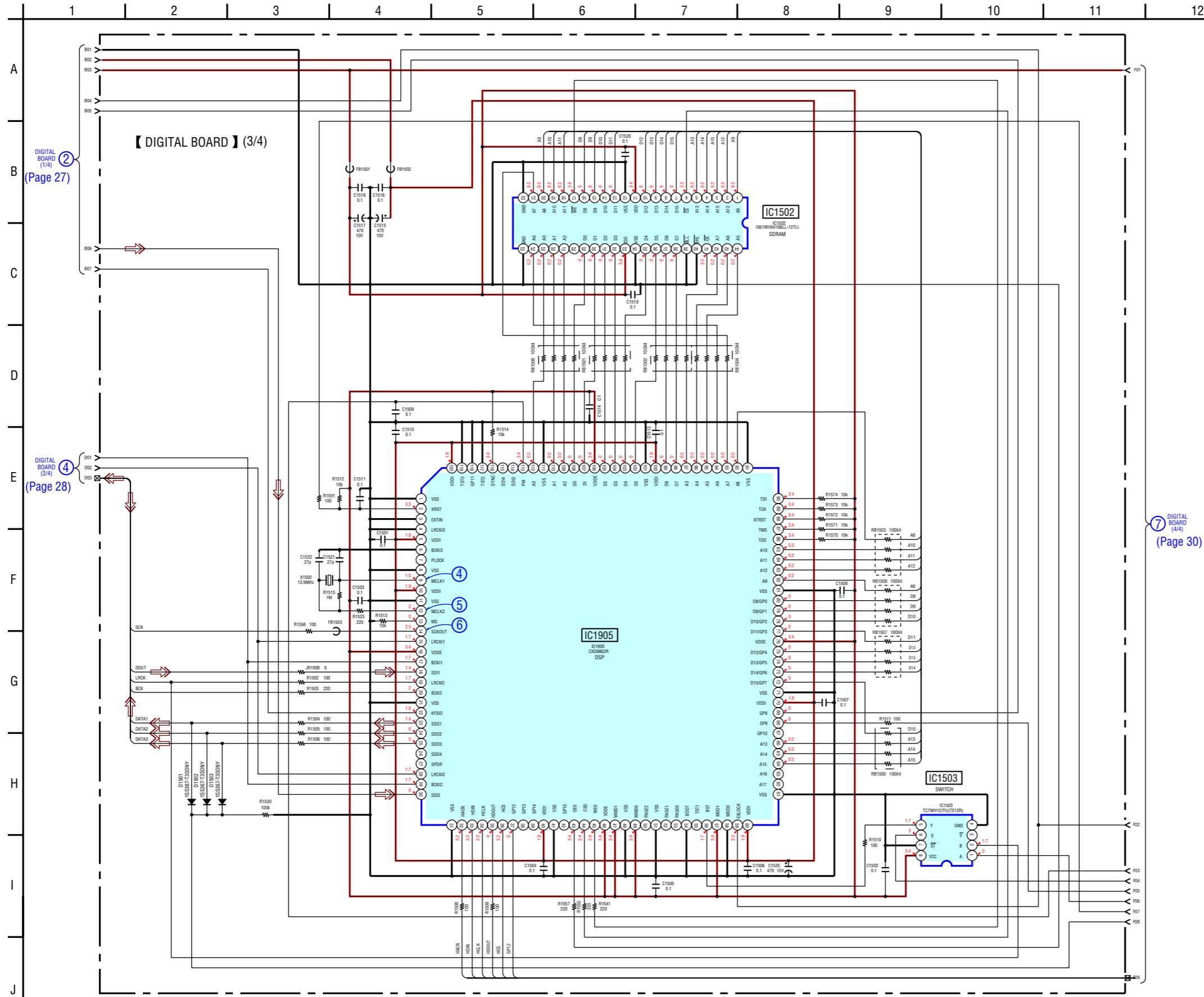
5-12. SCHEMATIC DIAGRAM — DIGITAL SECTION (1/4) — • Refer to page 21 for Waveforms and page 42 for IC Block Diagrams.



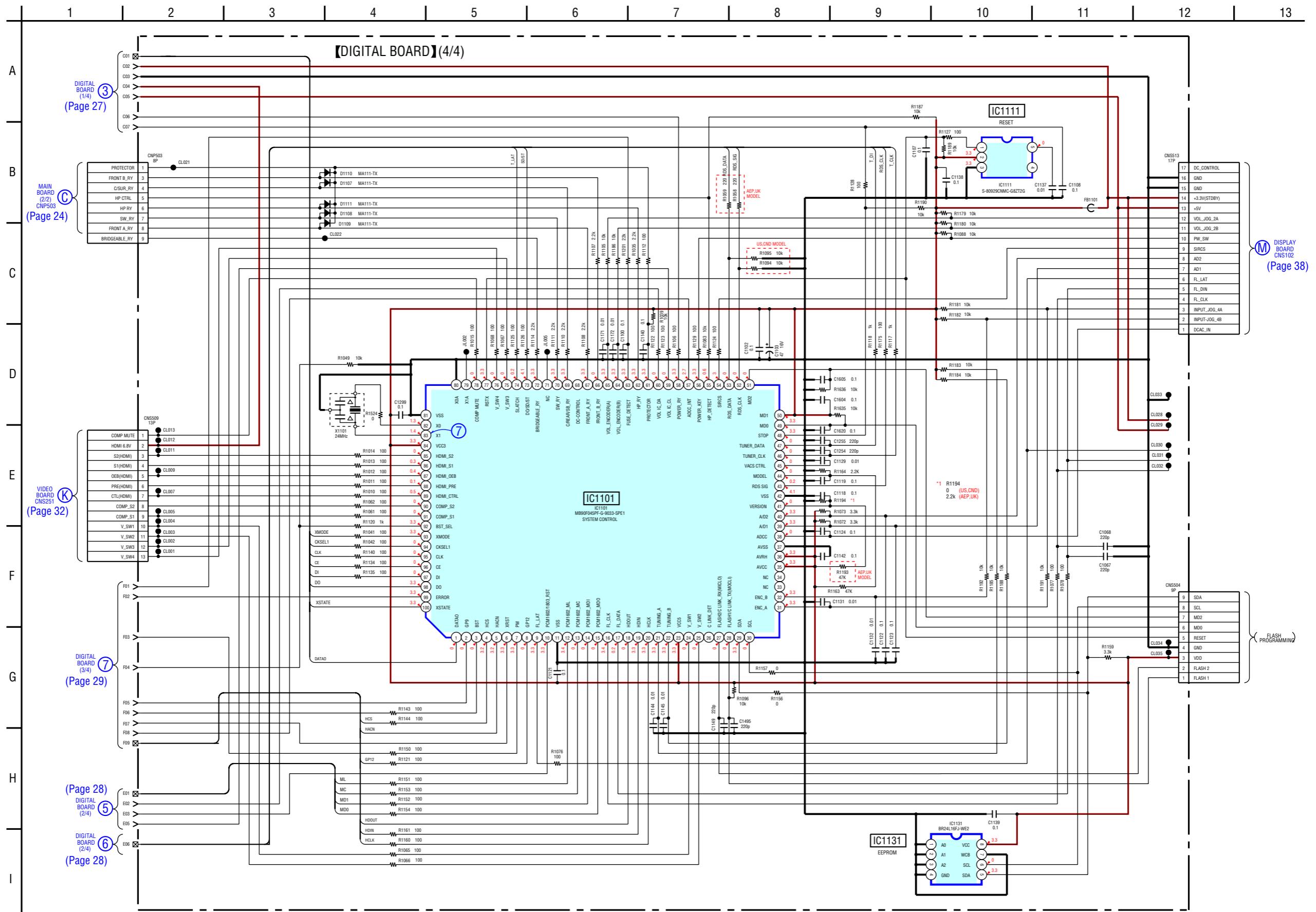
5-13. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/4) — • Refer to page 42 for IC Block Diagrams.



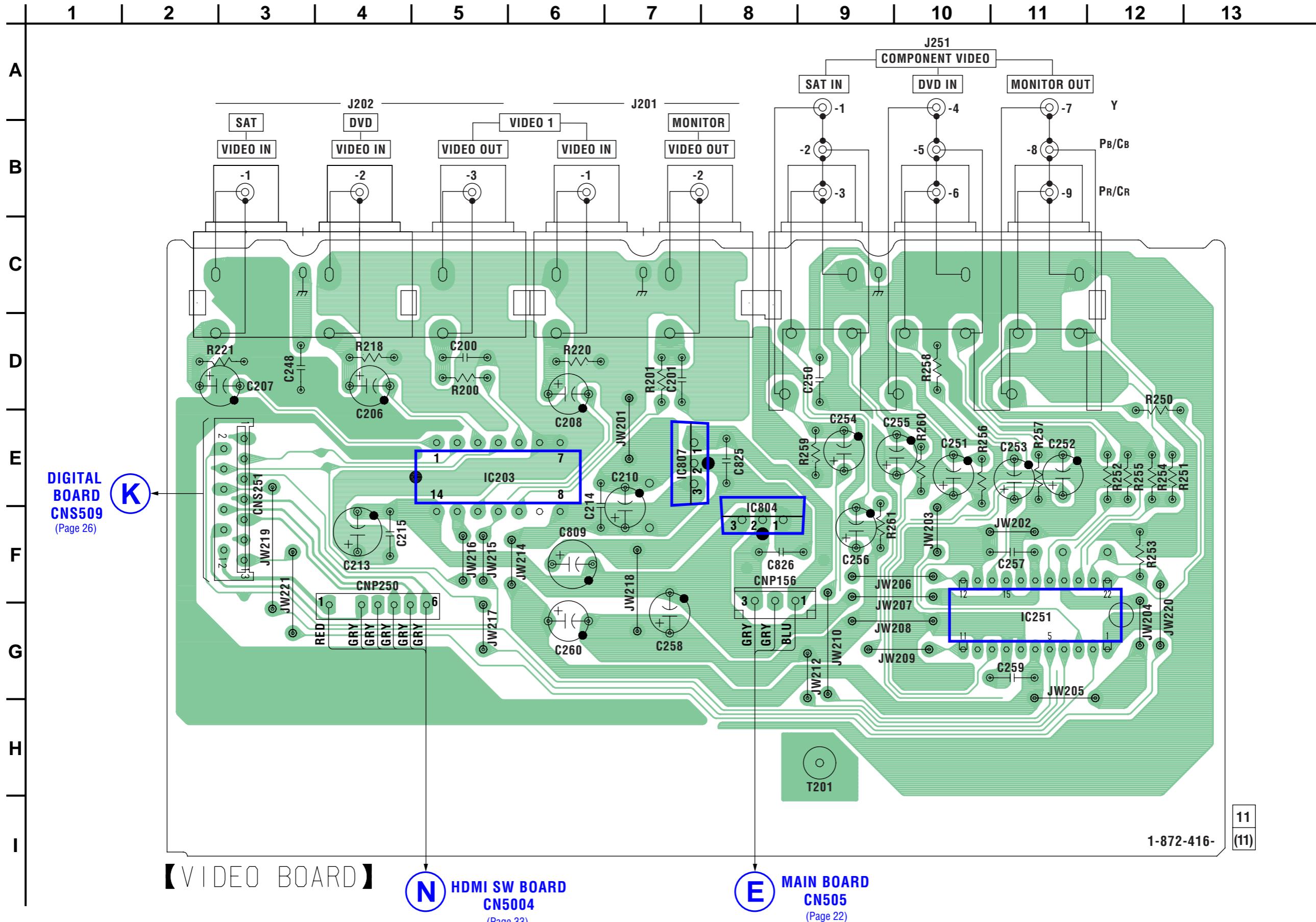
5-14. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/4) — • Refer to page 21 for Waveforms and page 45 IC Pin Descriptions



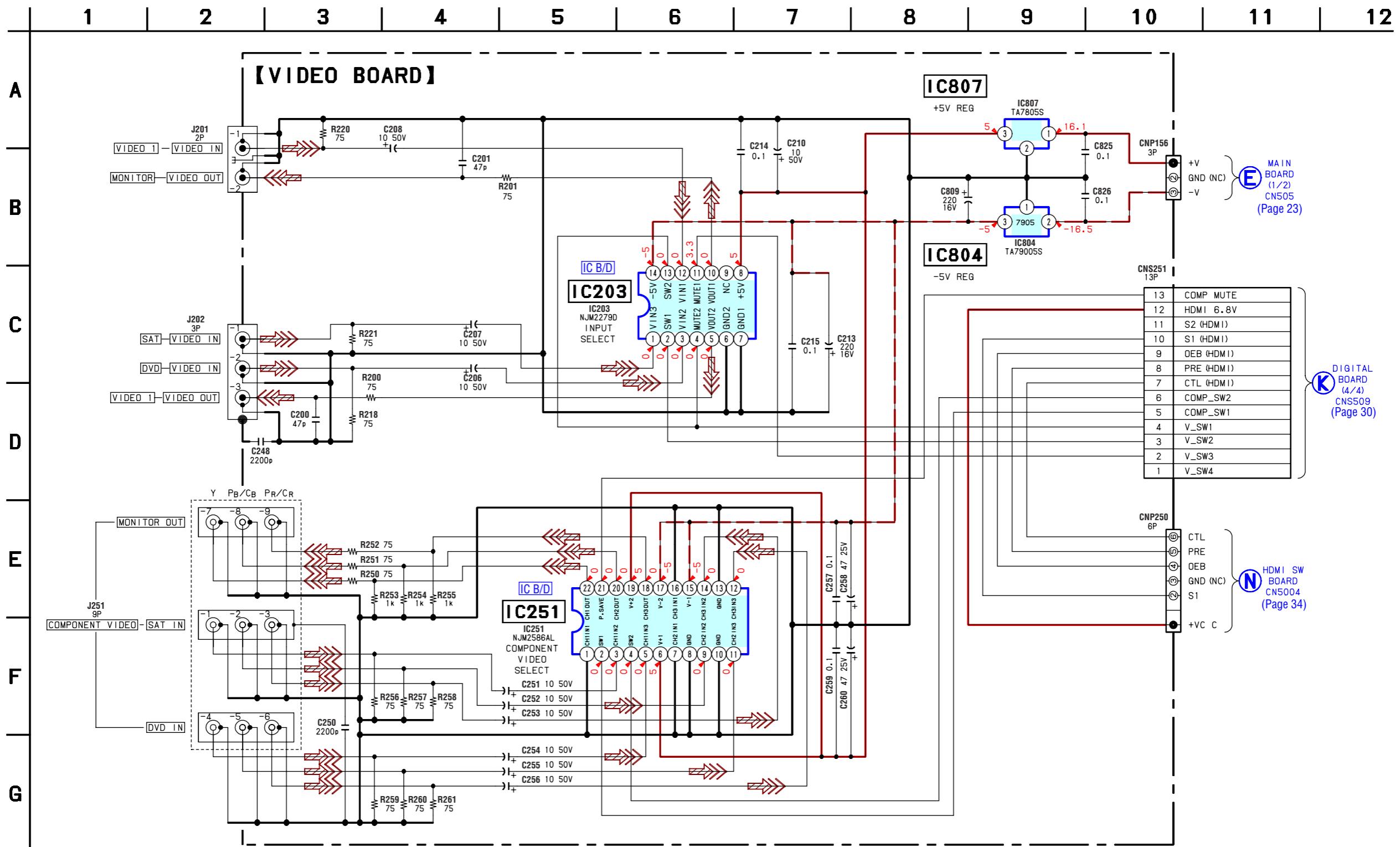
5-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (4/4) — • Refer to page 21 for Waveforms and page 47 for IC Pin Descriptions



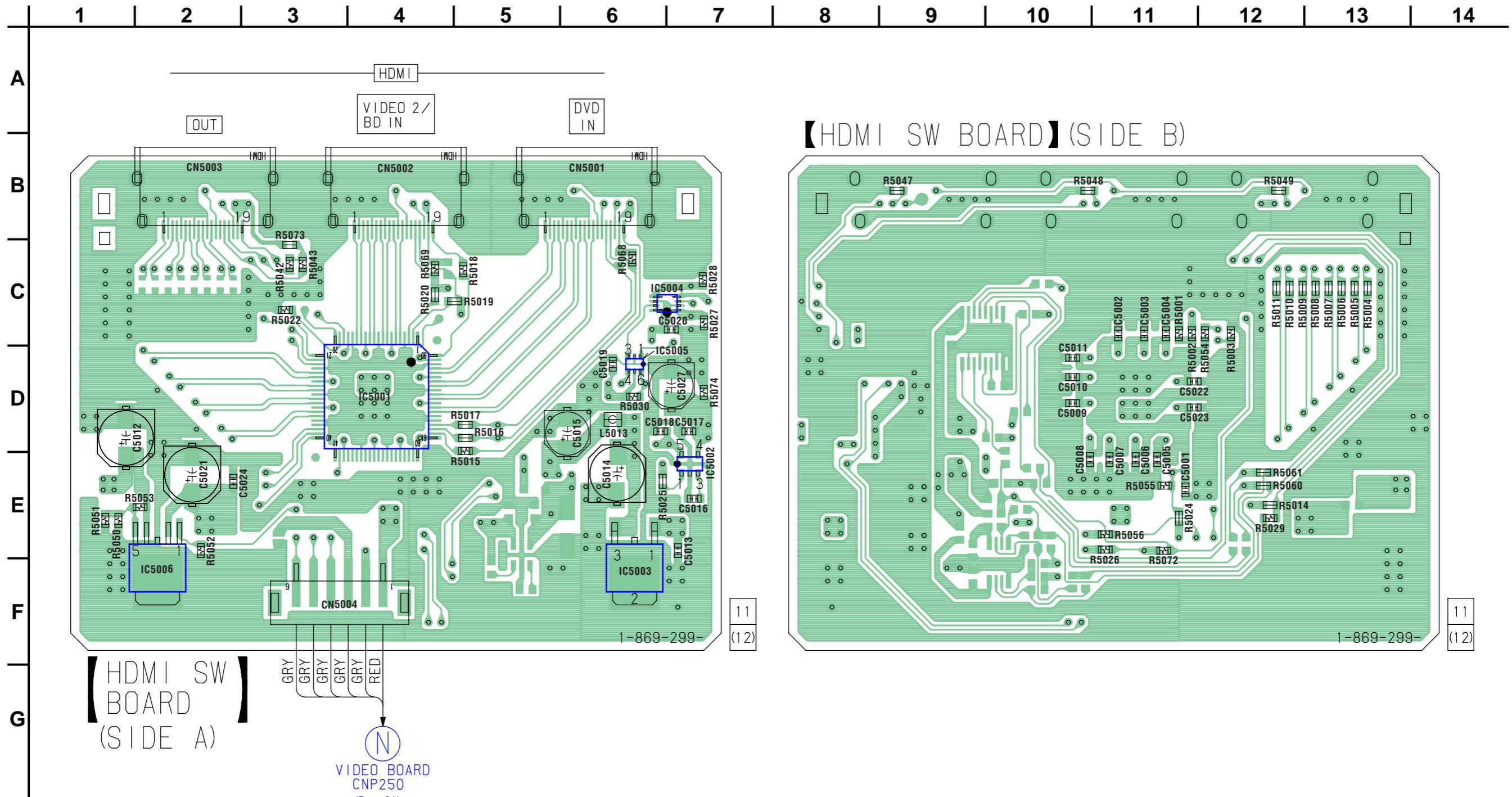
5-16. PRINTED WIRING BOARD — VIDEO SECTION — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.



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



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

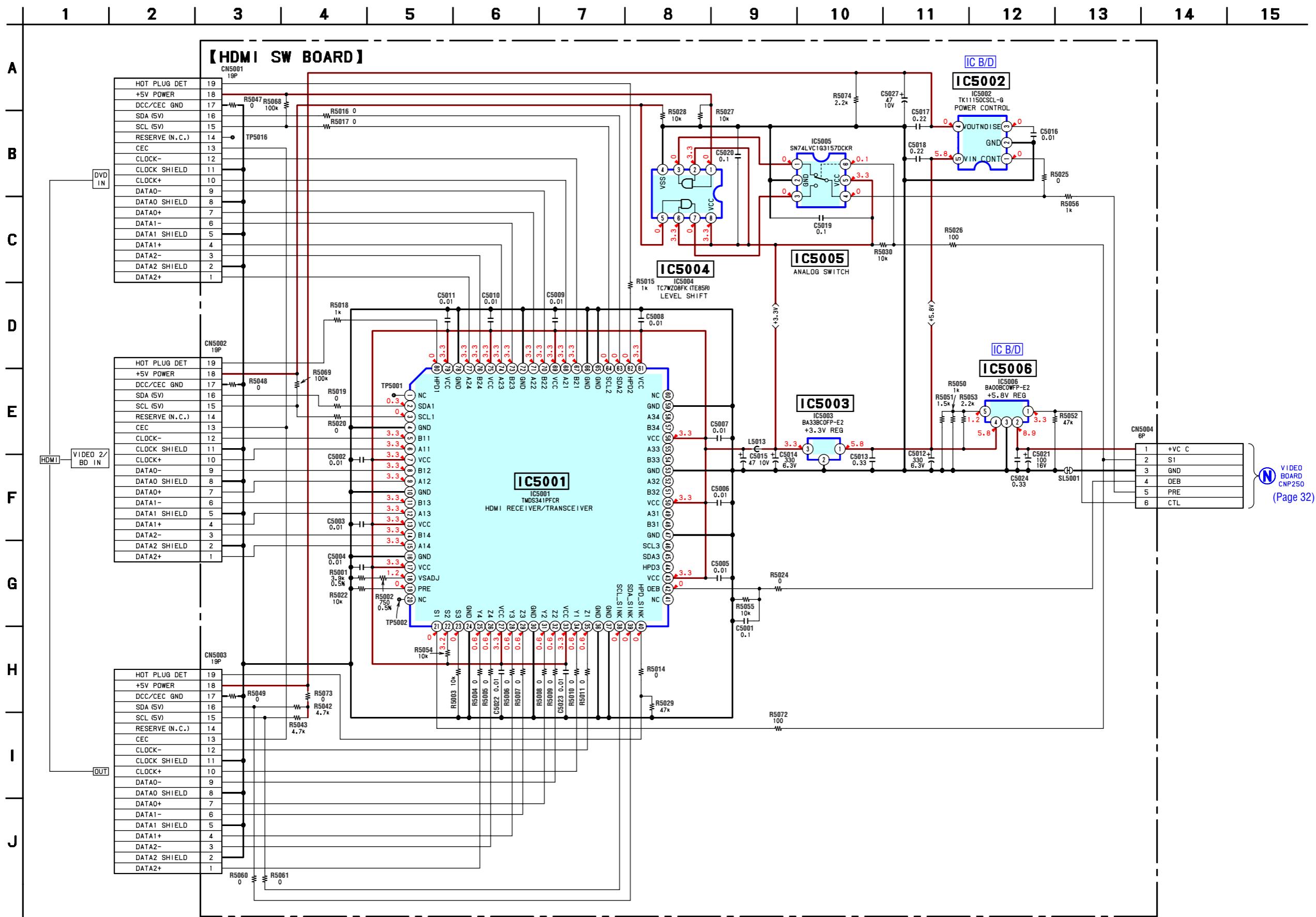


• Semiconductor
Location

Ref. No.	Location
IC5001	D-4
IC5002	E-7
IC5003	F-6
IC5004	C-7
IC5005	D-6
IC5006	F-2

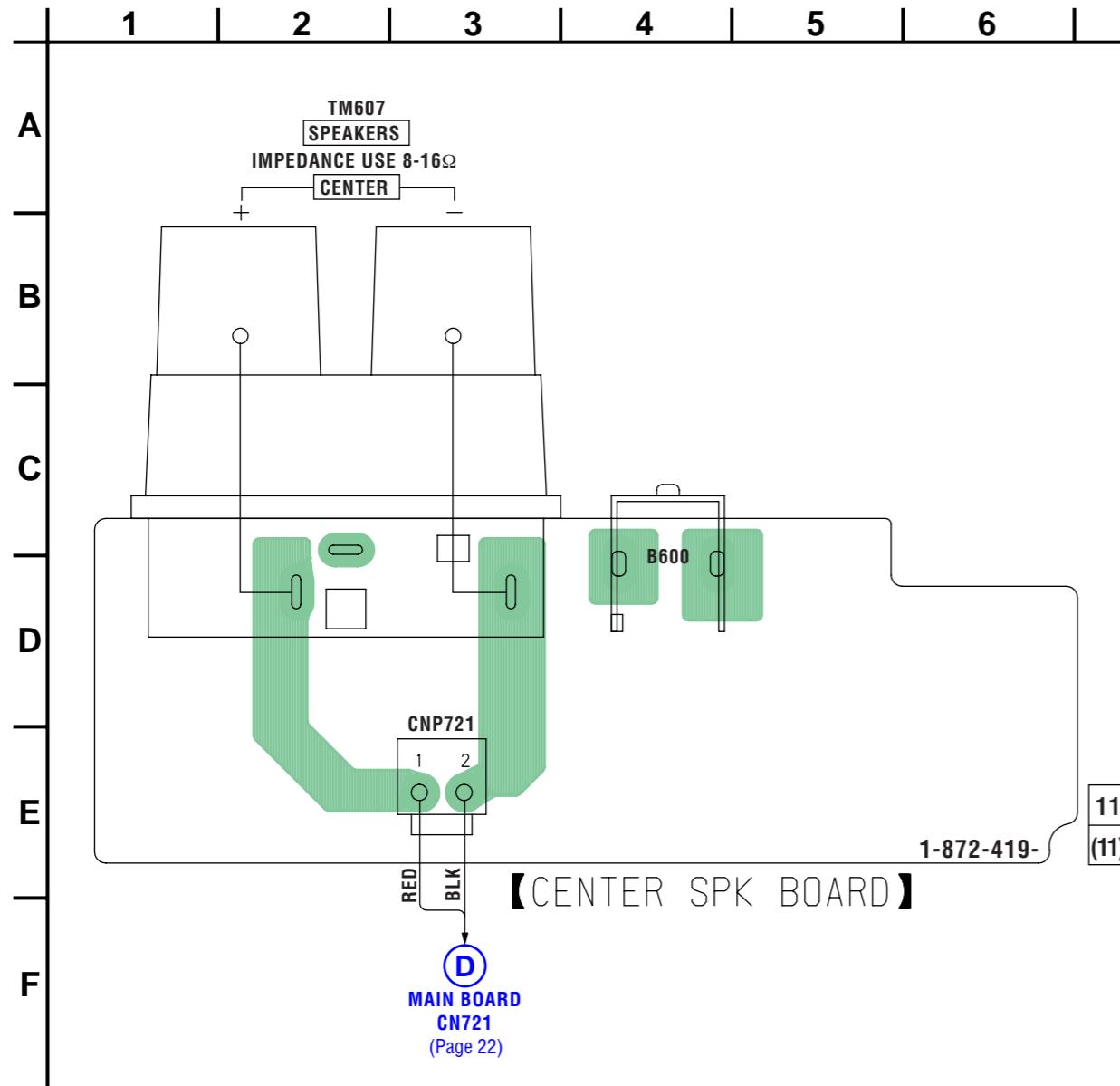
VIDEO BOARD
CNP250
(Page 31)

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

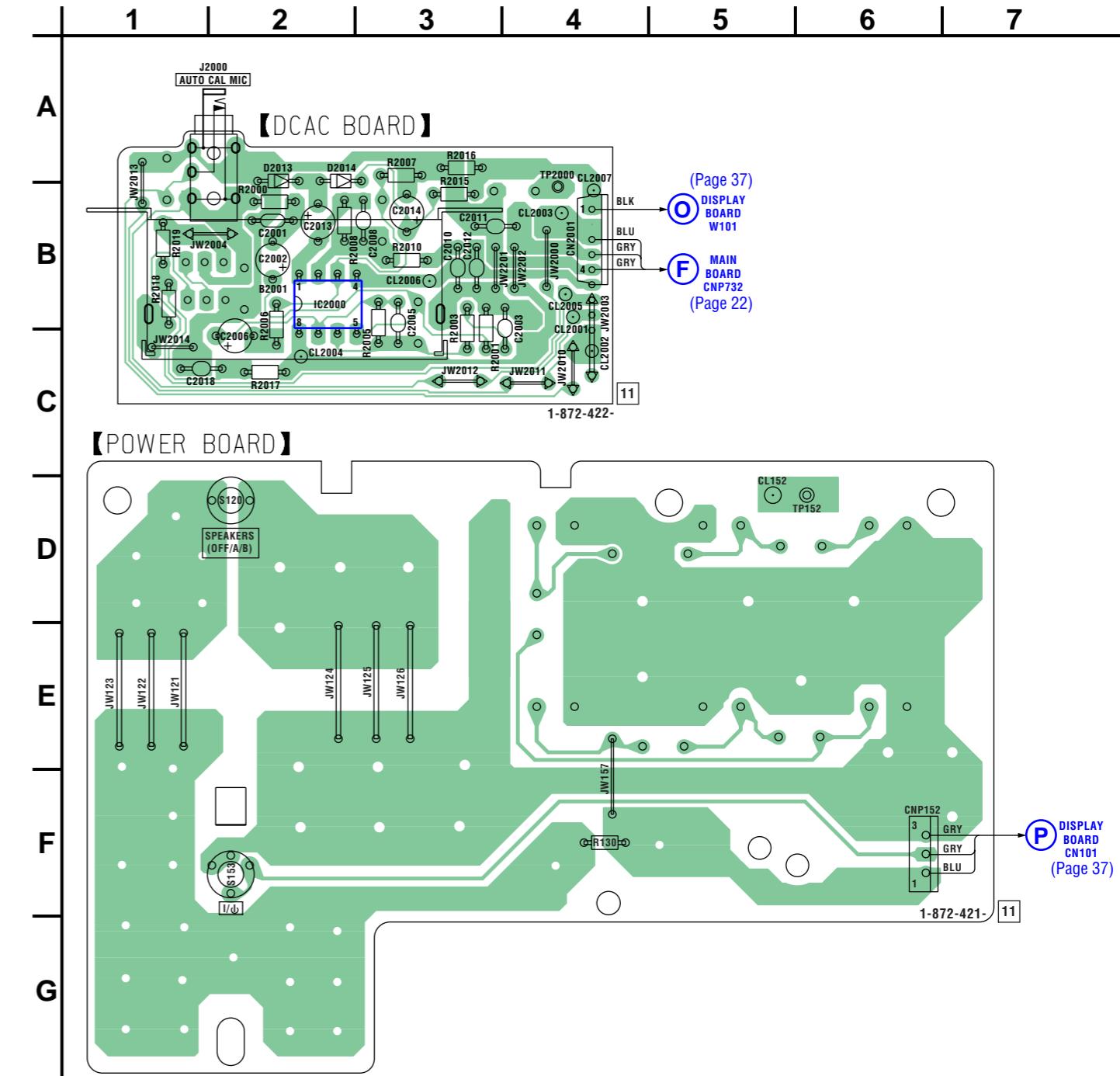


5-20. PRINTED WIRING BOARD — CENTER SPEAKER SECTION —

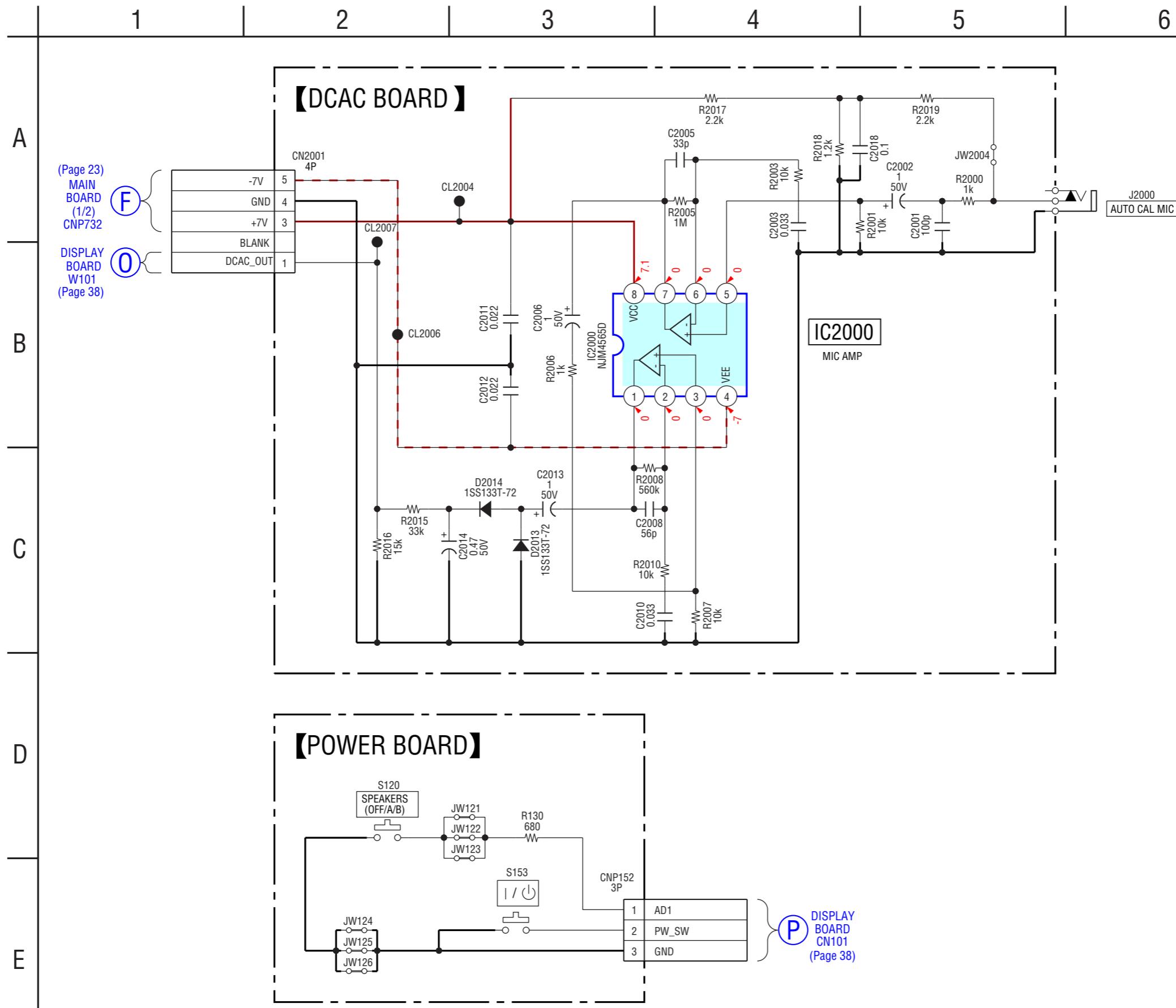
• Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

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

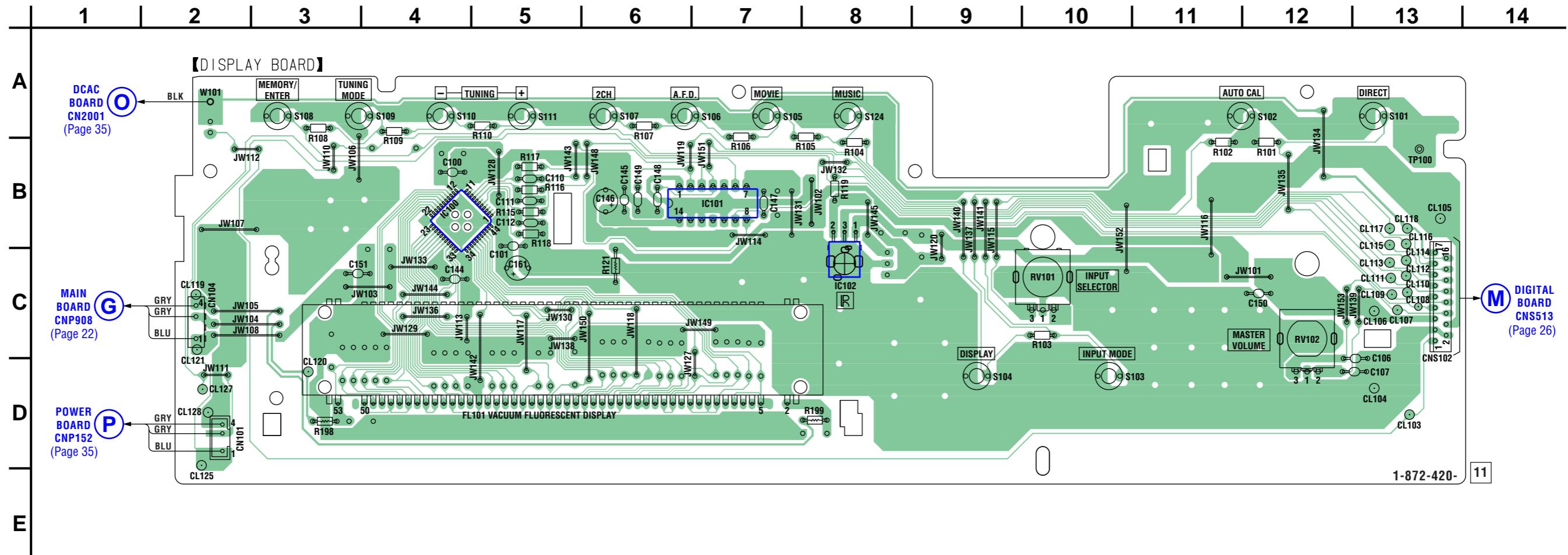
• Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.



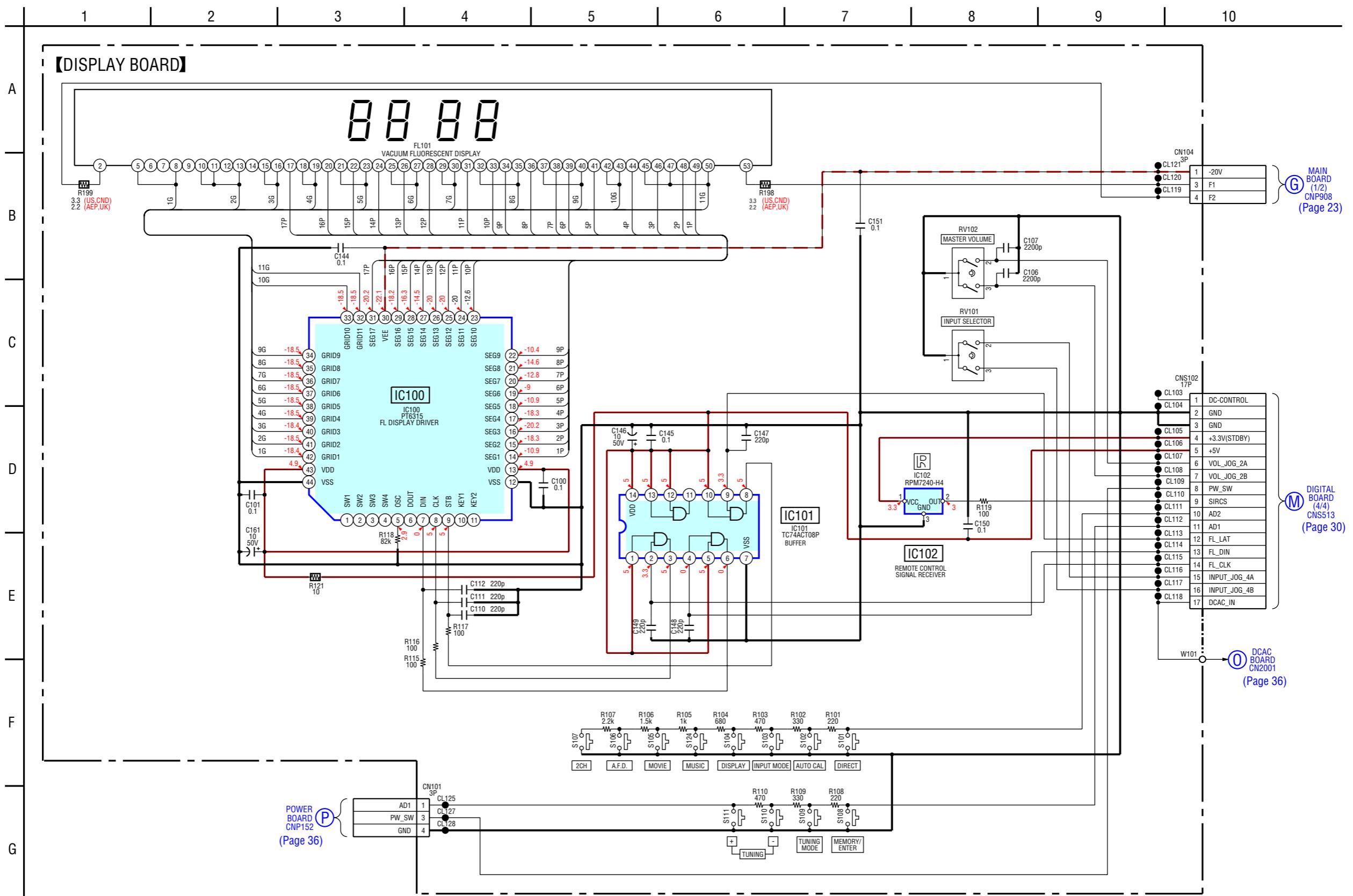
5-22. SCHEMATIC DIAGRAM — DCAC, POWER KEY SECTION —



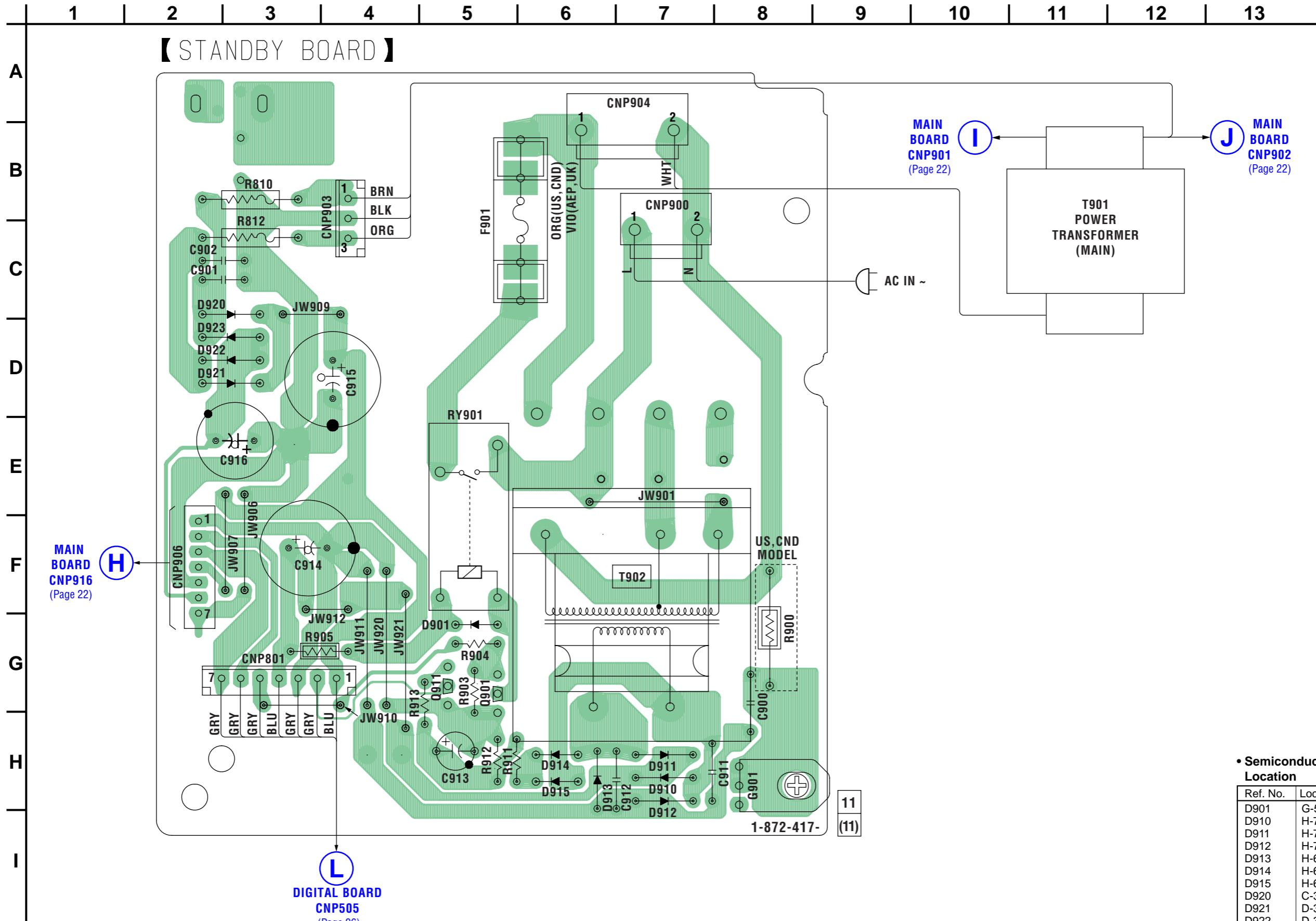
5-23. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.



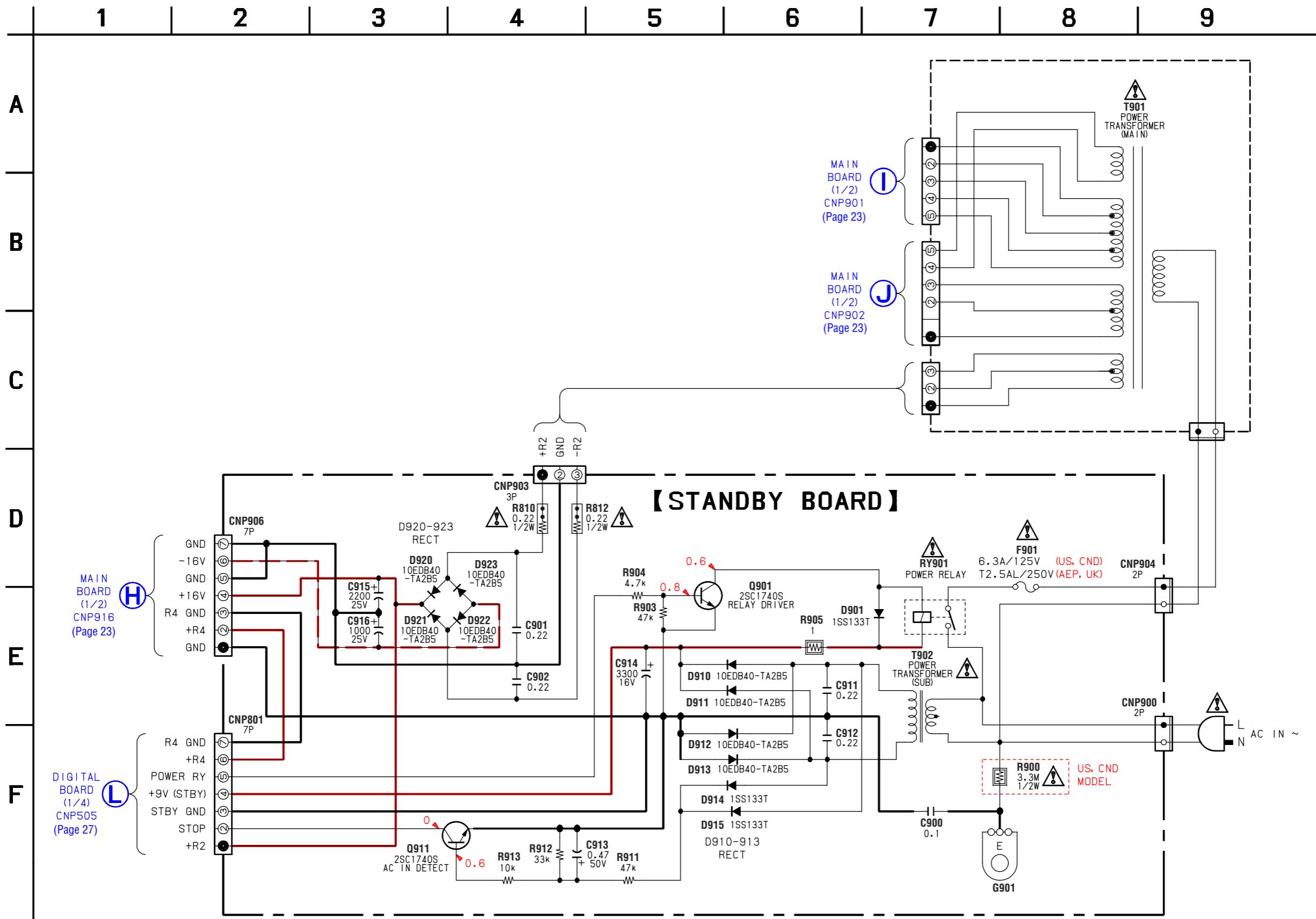
5-24. SCHEMATIC DIAGRAM — DISPLAY SECTION —



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

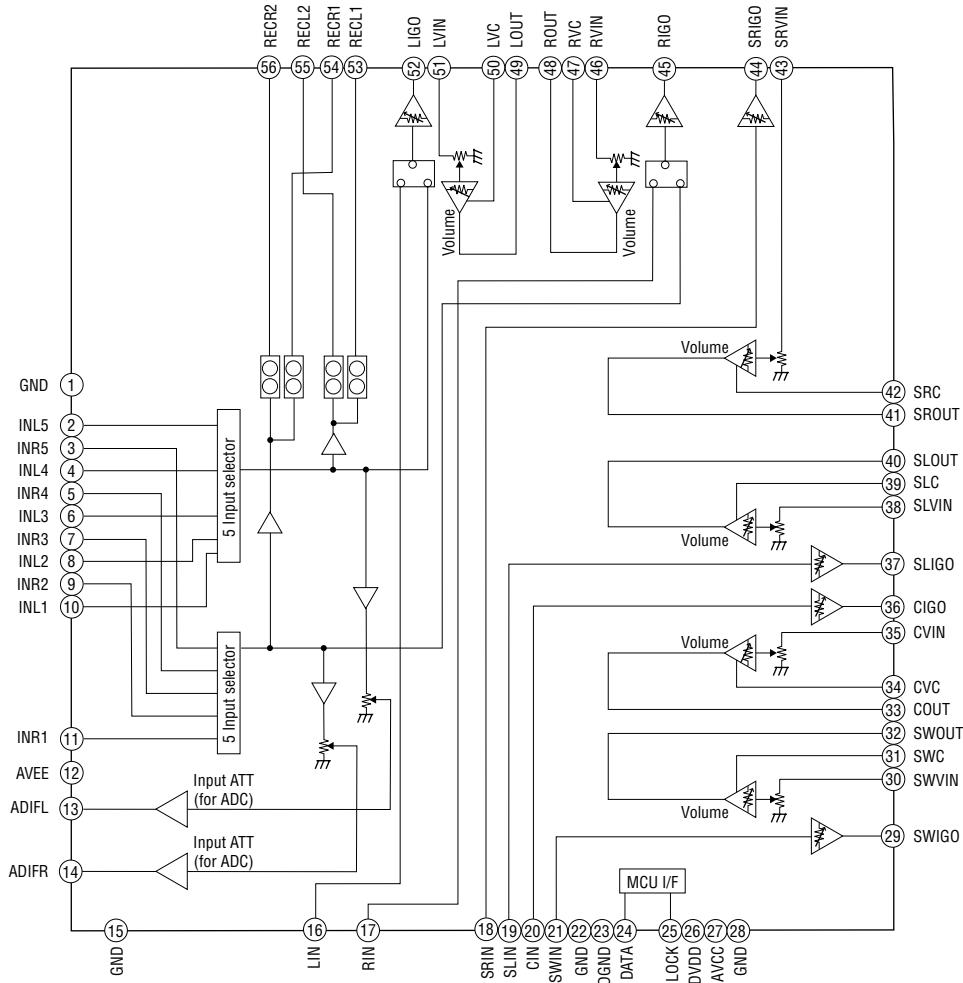


5-26. SCHEMATIC DIAGRAM — POWER SECTION —



• IC Block Diagrams

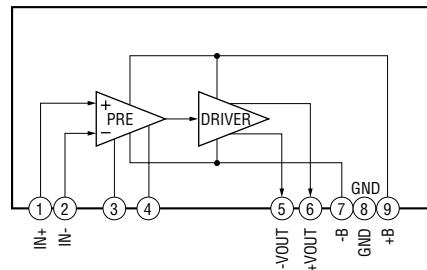
IC400 M61542FP (MAIN BOARD (1/2))



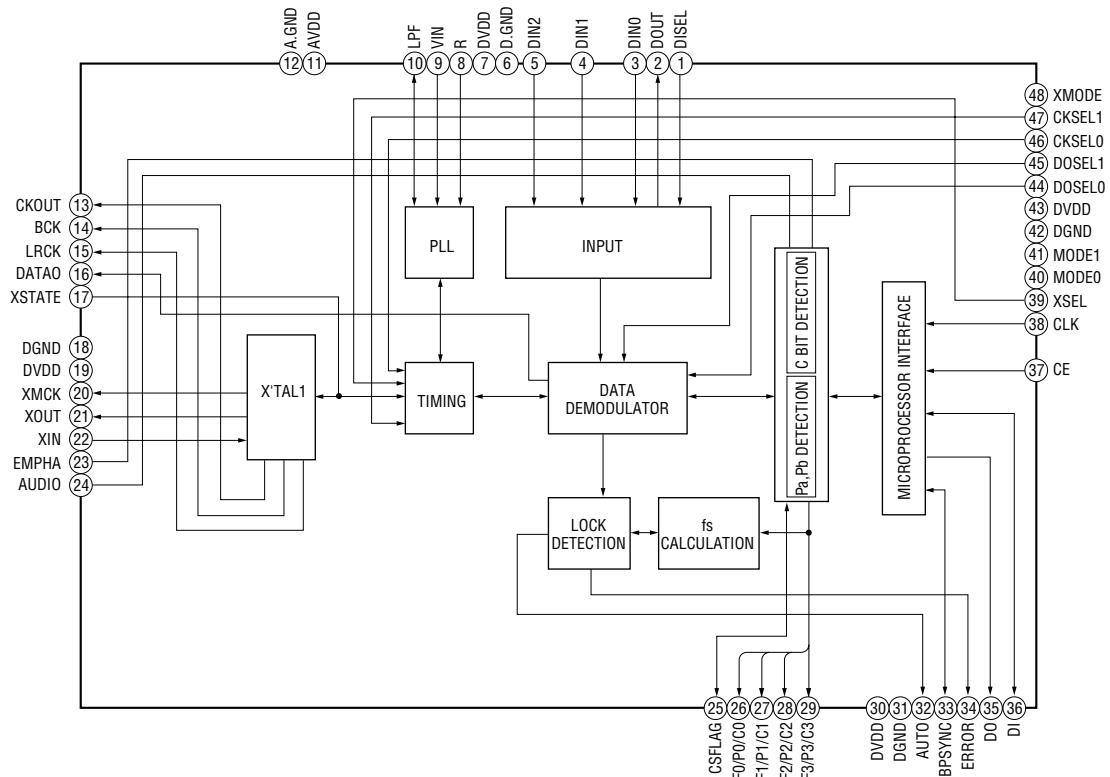
IC501 STK350-530T-E (MAIN BOARD (2/2))

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

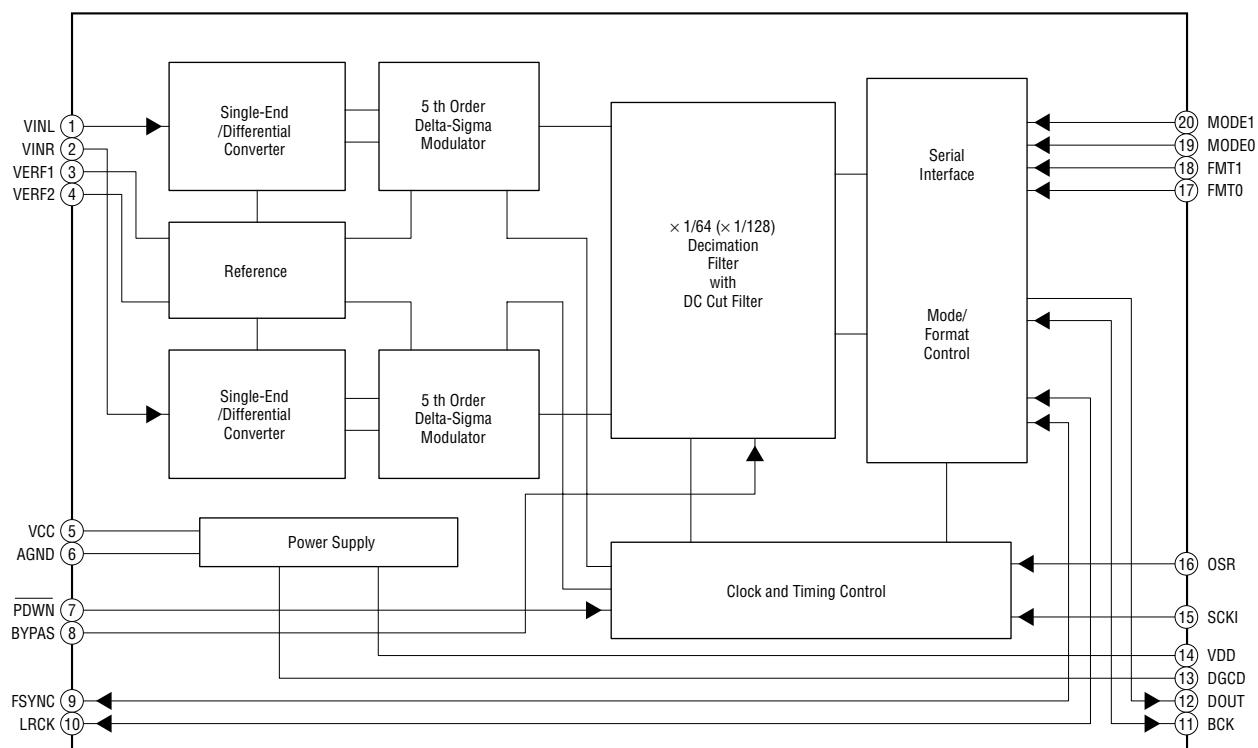
IC701 STK350-530T-E (MAIN BOARD (2/2))



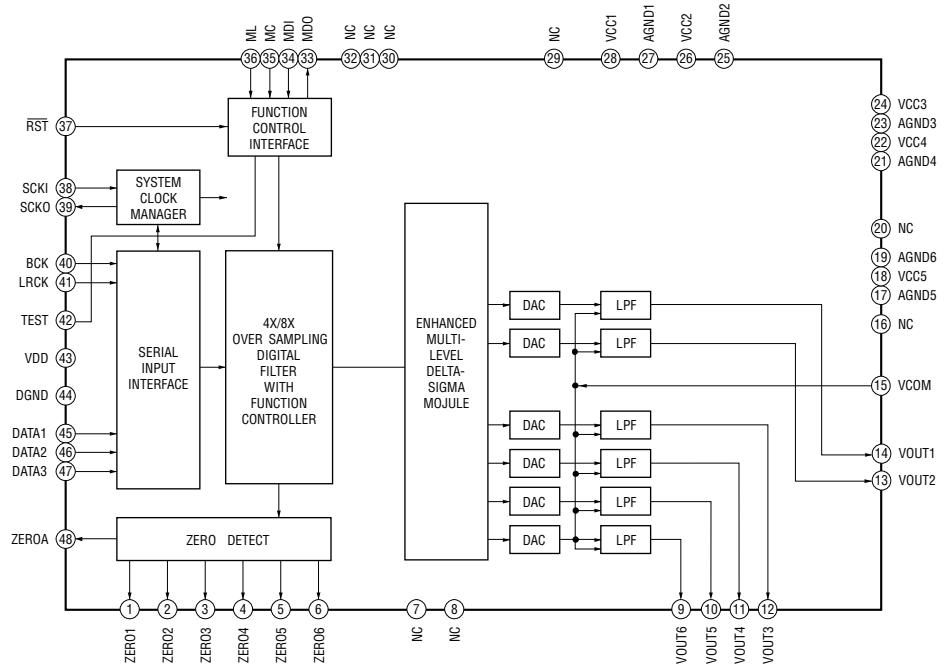
IC1301 LC89056W-E (DIGITAL BOARD (1/4))



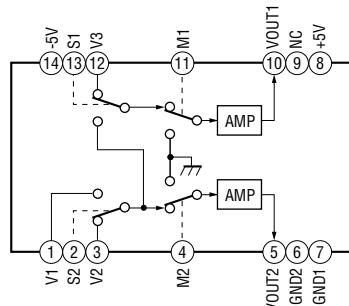
IC1401 PCM1803DBR (DIGITAL BOARD (2/4))



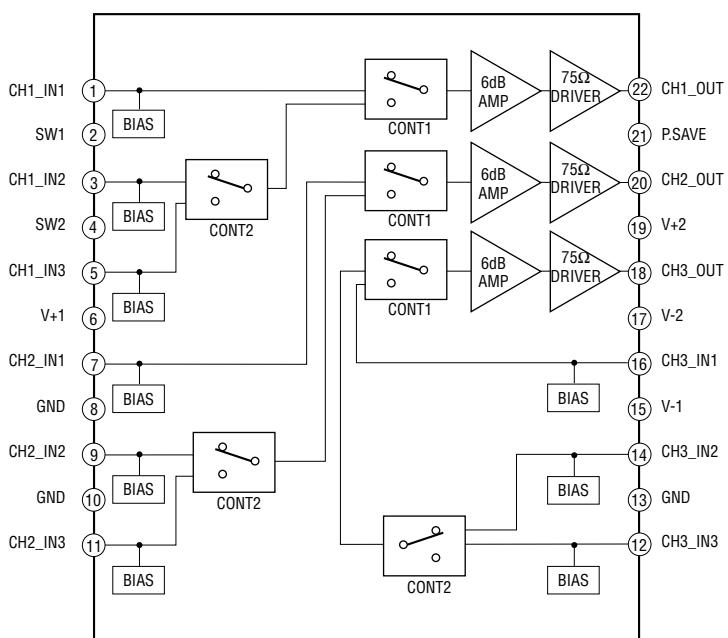
IC1452 PCM1602APT (DIGITAL BOARD (2/4))

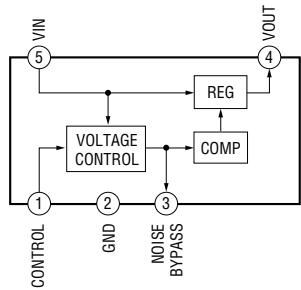
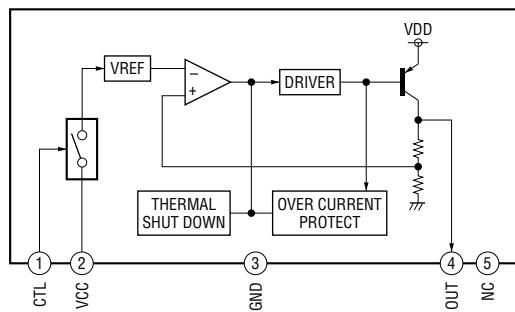


IC203 NJM2279D (VIDEO BOARD)



IC251 NJM2586AL (VIDEO BOARD)



IC5002 TK11150CSCL-G (HDMI SW BOARD)**IC5006 BA00BC0WFP-E2 (HDMI SW BOARD)**

• IC Pin Descriptions

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

Pin No.	Pin Name	I/O	Pin Description
1	VSS	—	Ground
2	XRST	I	Reset signal input from SYSTEM CONTROL IC
3	EXTIN	I	Not used (Connect to ground)
4	LRCKI3	I	Not used (Connect to ground)
5	VDDI	I	Power supply pin (+1.9 V)
6	BCKI3	I	Not used (Connect to ground)
7	PLOCK	O	Not used (Open)
8	VSS	—	Ground
9	MCLK1	I	Clock signal input (13.9 MHz)
10	VDDI	I	Power supply pin (+1.9 V)
11	VSS	—	Ground
12	MCLK2	O	Clock signal output (13.9 MHz)
13	MS	I	Not used (Fixed at L)
14	SCKOUT	O	Internal system clock signal output for 6CH DAC IC
15	LRCKI1	I	Sampling clock signal input from ADC IC
16	VDDE	I	Power supply pin (+3.4 V)
17	BCKI1	I	Bit clock signal input from ADC IC
18	SDI1	I	Audio IF data input from ADC IC
19	LRCKO	O	Sampling clock signal output for 6CH DAC IC
20	BCKO	O	Bit clock signal output for 6CH DAC IC
21	VSS	—	Ground
22	KFSIO	I/O	Audio clock signal (384fs/256fs) input/output for DIR IC
23 to 25	SDO1 to SDO3	O	Digital audio serial data output for 6CH DAC IC
26	SDO4	O	Not used (Open)
27	SPDIF	O	Not used (Open)
28	LRCKI2	I	Sampling clock signal input from ADC IC
29	BCKI2	I	Bit clock signal input from ADC IC
30	SDI2	I	Digital audio serial data input from DIR IC
31	VSS	—	Ground
32	HACN	O	Acknowledge signal output for SYSTEM CONTROL IC
33	HDIN	I	Serial data input from SYSTEM CONTROL IC
34	HCLK	I	Clock signal input from SYSTEM CONTROL IC
35	HDOUT	O	Serial data output for SYSTEM CONTROL IC
36	HCS	I	Chip select signal input from SYSTEM CONTROL IC
37	GP12	I	GP12 signal input from SYSTEM CONTROL IC
38, 39	GP13, GP14	O	Not used (Open)
40	VDDI	I	Power supply pin (+1.9 V)
41	VSS	—	Ground
42	GP15	O	Not used (Open)
43	OE0	O	SDRAM output enable signal output for D/A converter IC (SDRAM)
44	CS0	O	External memory chip select signal output for D/A converter IC (SDRAM)
45	WE0	O	SDRAM write enable signal output for D/A converter IC (SDRAM)
46	VDDE	I	Power supply pin (+3.4 V)
47	WMD1	I	Not used (Fixed at H)
48	VSS	—	Ground
49	WMD0	I	Not used (Fixed at H)
50	PAGE2	O	Not used (Open)
51	VSS	—	Ground
52, 53	PAGE1, PAGE0	O	Not used (Open)
54	BOOT	I	Not used (Connect to ground)
55	TST1	O	Not used (Open)

Pin No.	Pin Name	I/O	Pin Description
56	BST	I	Boot stop signal input from SYSTEM CONTROL IC
57	MOD1	I	Operation mode signal input (L: 386fs, H: 256fs) (Fixed at H)
58	MOD0	I	Operation mode signal input (L: single chip mode, H: use prohibited) (Fixed at L)
59	EXLOCK	I	Error detection signal input from DIR IC
60	VDDI	I	Power supply pin (+1.9 V)
61	VSS	—	Ground
62, 63	A17, A16	O	Not used (Open)
64 to 66	A15 to A13	O	External memory address signal output for D/A converter IC (SDRAM)
67	GP10	O	Not used (Open)
68	GP9	O	GP9 signal output for SYSTEM CONTROL IC
69	GP8	I	Audio signal input from DIR IC
70	VDDI	I	Power supply pin (+1.9 V)
71	VSS	—	Ground
72 to 75	D15/GP7 to D12/GP4	I/O	External memory data input/output for D/A converter IC (general port)
76	VDDE	I	Power supply pin (+3.4 V)
77 to 80	D11/GP3 to D8/GP0	I/O	External memory data input/output for D/A converter IC (general port)
81	VSS	—	Ground
82	A9	O	External memory address signal output for D/A converter IC (SDRAM)
83 to 85	A12 to A10	O	External memory address signal output for D/A converter IC (SDRAM)
86	TDO	O	Not used (Fixed at H)
87	TMS	I	Not used (Fixed at H)
88	XTRST	I	Not used (Fixed at H)
89	TCK	I	Not used (Fixed at H)
90	TDI	I	Not used (Fixed at H)
91	VSS	—	Ground
92 to 97	A8 to A3	O	External memory address signal output for D/A converter IC (SDRAM)
98, 99	D7, D6	I/O	External memory data input/output for D/A converter IC (SDRAM)
100	VDDI	I	Power supply pin (+1.9 V)
101	VSS	—	Ground
102 to 105	D5 to D2	I/O	External memory data input/output for D/A converter IC (SDRAM)
106	VDDE	I	Power supply pin (+3.4 V)
107, 108	D1, D0	I/O	External memory data input/output for D/A converter IC (SDRAM)
109, 110	A2, A1	O	External memory address signal output for D/A converter IC (SDRAM)
111	VSS	—	Ground
112	A0	O	External memory address signal output for D/A converter IC (SDRAM)
113	PM	I	PLL initialization signal input from SYSTEM CONTROL IC
114, 115	SDI3, SDI4	I	Not used (Open)
116	SYNC	I	Sync/async select signal input (L: sync, H: async) (Fixed at H)
117	TST2	I	Not used (Connect to ground)
118	GP11	I	Not used (Connect to ground)
119	TST3	I	Not used (Connect to ground)
120	VDDI	I	Power supply pin (+1.9 V)

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

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

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

SECTION 6

EXPLODED VIEWS

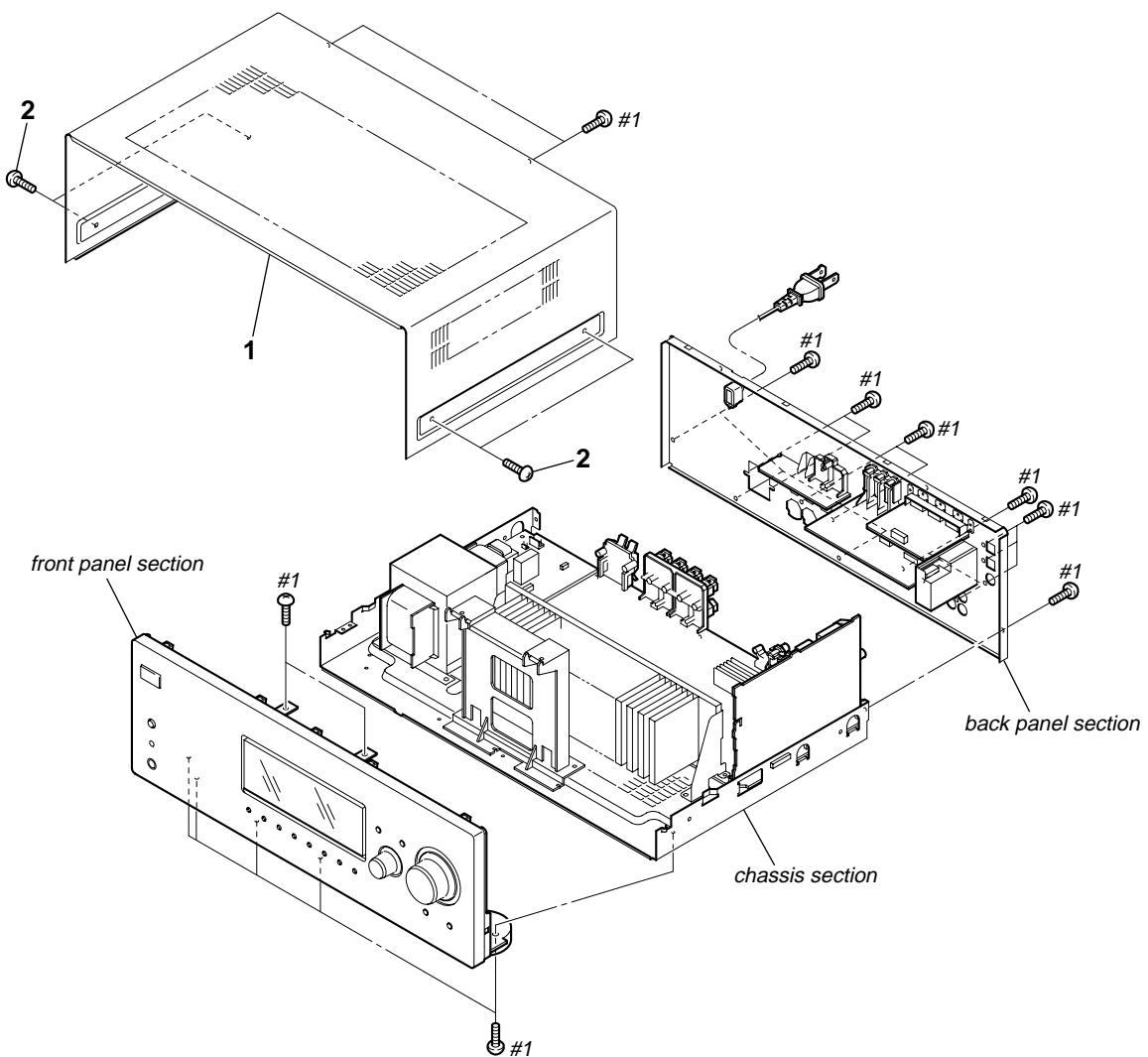
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
CND : Canadian model

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example :
KNOB, BALANCE (WHITE) ... (RED)
 ↑ ↑
 Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

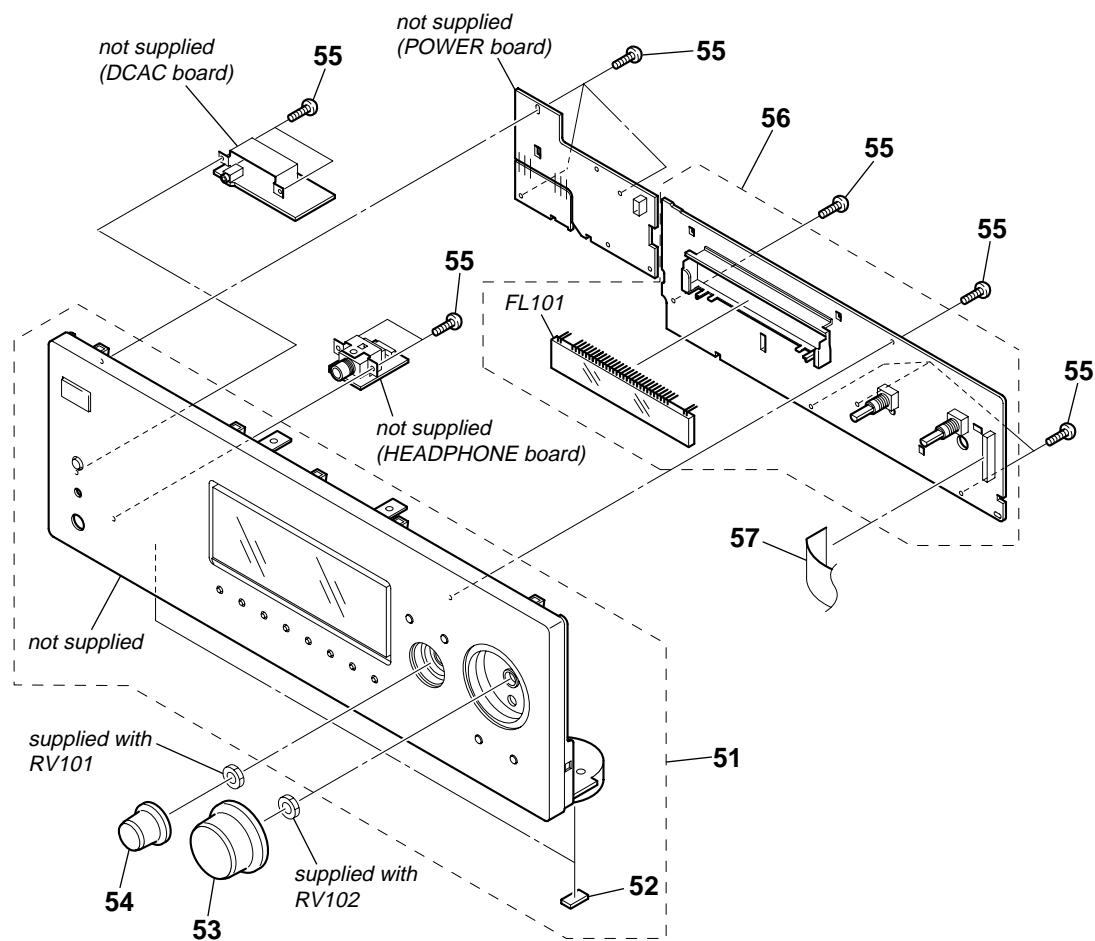
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

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

6-1. CASE SECTION

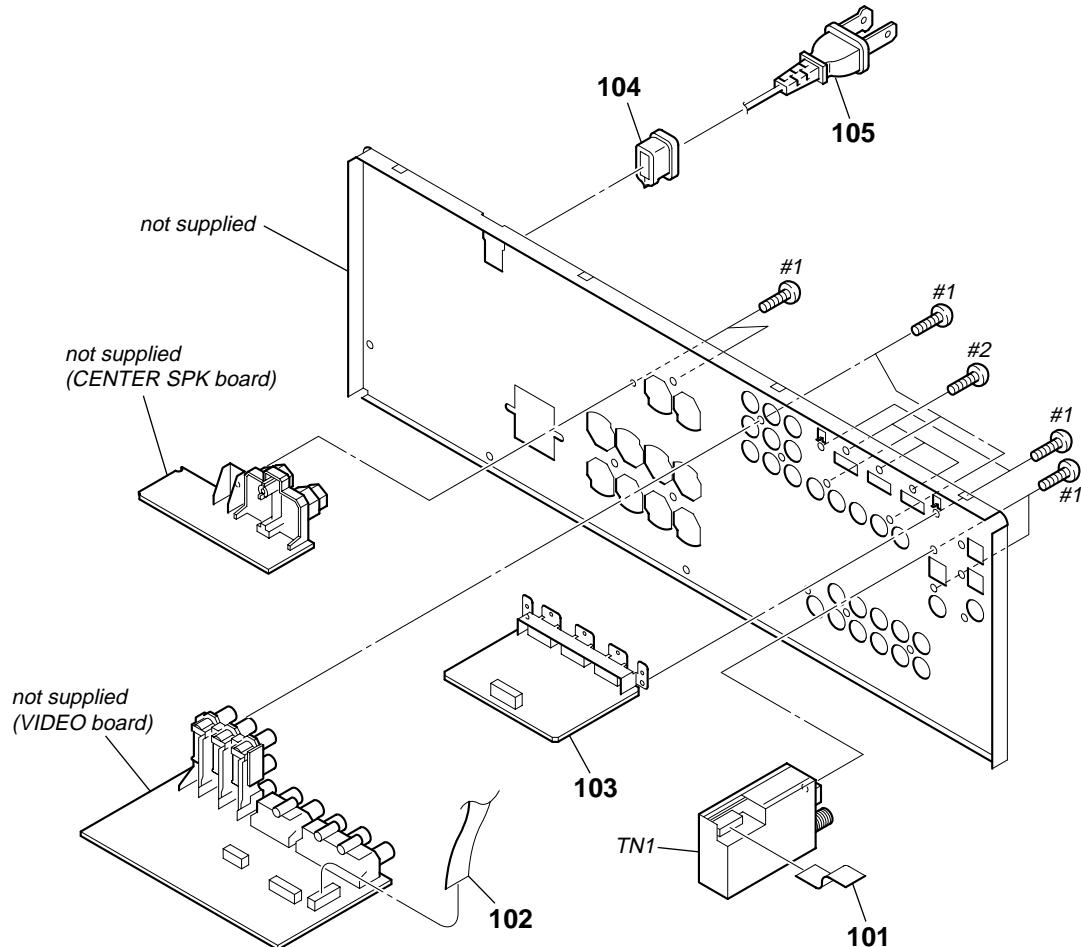
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	2-661-145-11	CASE (BLACK)...(BLACK)		2	3-363-099-11	SCREW (CASE 3 TP2) (SILVER)...(SILVER)	
1	2-661-145-31	CASE (SILVER)...(SILVER)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
2	3-363-099-02	SCREW (CASE 3 TP2) (BLACK)...(BLACK)		#2	7-685-871-01	SCREW +BVTT 3X6 (S)	

6-2. FRONT PANEL SECTION



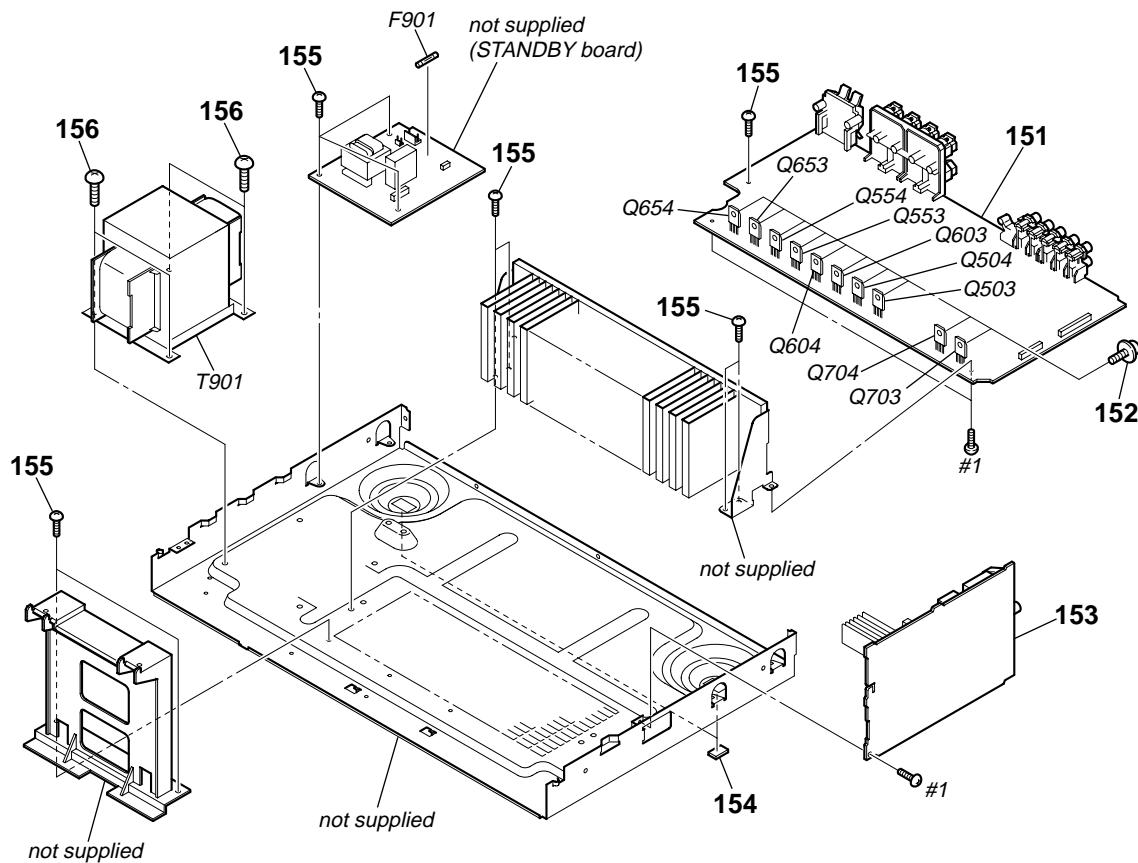
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2159-962-1	FRONT PANEL ASSY (BLACK)...(BLACK) (US)		53	2-661-142-11	KNOB (VOLUME) (SILVER)...(SILVER)	
51	X-2159-963-1	FRONT PANEL ASSY (BLACK)...(BLACK) (CND)		54	2-661-141-01	KNOB (MENU) (BLACK)...(BLACK)	
51	X-2159-964-1	FRONT PANEL ASSY (BLACK)...(BLACK) (AEP,UK)		54	2-661-141-11	KNOB (MENU) (SILVER)...(SILVER)	
51	X-2176-137-1	FRONT PANEL ASSY (SILVER)...(SILVER) (AEP,UK)		55	3-087-053-01	+BVTP 2.6 (3CR)	
52	4-977-358-01	CUSHION		56	A-1221-600-A	DISPLAY BOARD, COMPLETE (US,CND)	
53	2-661-142-01	KNOB (VOLUME) (BLACK)...(BLACK)		56	A-1221-612-A	DISPLAY BOARD, COMPLETE (AEP,UK)	
				57	1-832-060-11	CABLE, FLEXIBLE FLAT (25 CORE)	
				FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY	

6-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-828-953-11	WIRE (FLAT TYPE) (9 CORE) (US,CND)		▲ 105	1-783-820-11	CORD, POWER (US,CND)	
101	1-828-963-11	WIRE (FLAT TYPE) (11 CORE) (AEP,UK)		TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA) (US,CND)	
102	1-828-971-11	WIRE (FLAT TYPE) (13 CORE)		TN1	1-693-737-11	TUNER (FM/AM) (ANTENNA) (AEP,UK)	
103	A-1158-394-A	HDMI SW BOARD, COMPLETE		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
* 104	3-703-244-00	BUSHING (2104), CORD		#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
▲ 105	1-777-071-83	CORD, POWER (AEP,UK)					

6-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1221-595-A	MAIN BOARD, COMPLETE (US,CND)		Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
151	A-1221-608-A	MAIN BOARD, COMPLETE (AEP,UK)		Q553	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
152	3-905-609-01	SCREW (TRANSISTOR)		Q554	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	A-1221-603-A	DIGITAL BOARD, COMPLETE (US,CND)		Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
153	A-1221-613-A	DIGITAL BOARD, COMPLETE (AEP,UK)		Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
154	4-977-358-01	CUSHION		Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
155	3-077-331-21	+BV 3 (3-CR)		Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
156	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
△F901	1-532-464-33	FUSE (T2.5AL/250V) (AEP,UK)		Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
△F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V) (US,CND)		△T901	1-439-550-21	TRANSFORMER, POWER (MAIN) (AEP,UK)	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK		△T901	1-439-583-11	TRANSFORMER, POWER (MAIN) (US,CND)	
	#1				7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 7

ELECTRICAL PARTS LIST

CENTER SPK
DCAC
DIGITAL
NOTE:

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

• RESISTORS

All resistors are in ohms.

METAL: Metal-film resistor.

METAL OXIDE: Metal oxide-film resistor.

F: nonflammable

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

• SEMICONDUCTORSIn each case, u : μ , for example:uA.. : μ A.. uPA.. : μ PA..uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..**• CAPACITORS**uF : μ F**• COILS**uH : μ H**• Abbreviation**

CND : Canadian model

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

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

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

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
		CENTER SPK BOARD	*****			R2005	1-247-903-00	CARBON	1M	5%	1/4W
		< CONNECTOR >				R2006	1-247-831-11	CARBON	1K	5%	1/4W
		< TERMINAL BOARD >				R2007	1-249-429-11	CARBON	10K	5%	1/4W
CNP721	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P				R2008	1-247-897-11	CARBON	560K	5%	1/4W
TM607	1-780-450-11	BANANA-PUSH TERMINAL BOARD (2P) (SPEAKERS CENTER) (AEP,UK)				R2010	1-249-429-11	CARBON	10K	5%	1/4W
TM607	1-780-500-11	BANANA-PUSH TERMINAL BOARD (2P) (SPEAKERS CENTER) (US,CND)				R2015	1-249-435-11	CARBON	33K	5%	1/4W
		*****				R2016	1-249-431-11	CARBON	15K	5%	1/4W
		DCAC BOARD	*****			R2017	1-249-421-11	CARBON	2.2K	5%	1/4W
		< CAPACITOR >				R2018	1-249-418-11	CARBON	1.2K	5%	1/4W
C2001	1-162-282-31	CERAMIC	100PF	10%	50V	R2019	1-249-421-11	CARBON	2.2K	5%	1/4W
C2002	1-126-160-11	ELECT	1uF	20%	50V	*****					
C2003	1-127-882-31	CERAMIC	0.033uF	10%	50V	A-1221-603-A		DIGITAL BOARD, COMPLETE (US,CND)			
C2005	1-128-803-11	CERAMIC	33PF	5%	50V	A-1221-613-A		DIGITAL BOARD, COMPLETE (AEP,UK)			
C2006	1-126-160-11	ELECT	1uF	20%	50V	*****					
C2008	1-128-806-11	CERAMIC	56PF	5%	50V						
C2010	1-127-882-31	CERAMIC	0.033uF	10%	50V						
C2011	1-127-880-11	CERAMIC	0.022uF	10%	50V						
C2012	1-127-880-11	CERAMIC	0.022uF	10%	50V						
C2013	1-126-160-11	ELECT	1uF	20%	50V						
C2014	1-124-465-00	ELECT	0.47uF	20%	50V						
C2018	1-127-888-11	CERAMIC	0.1uF	10%	50V						
		< DIODE >									
D2013	8-719-991-33	DIODE	1SS133T-77			C1001	1-126-925-11	ELECT	470uF	20%	10V
D2014	8-719-991-33	DIODE	1SS133T-77			C1002	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
		< IC >				C1004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
IC2000	8-759-167-88	IC	NJM4565D			C1005	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
		< JACK >				C1019	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
J2000	1-820-056-11	SMALL TYPE JACK (AUTO CAL MIC)				C1021	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
		< RESISTOR >				C1022	1-135-372-31	ELECT	470uF	20%	10V
R2000	1-247-831-11	CARBON	1K	5%	1/4W	C1031	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
R2001	1-249-429-11	CARBON	10K	5%	1/4W	C1032	1-135-372-31	ELECT	470uF	20%	10V
R2003	1-249-429-11	CARBON	10K	5%	1/4W	C1067	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
						C1068	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
						C1100	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1103	1-126-947-11	ELECT	47uF	20%	35V
						C1107	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1108	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1118	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1119	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1120	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1121	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1122	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1123	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1124	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C1131	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C1137	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
						C1138	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V

DIGITAL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark					
C1140	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1455	1-126-964-11	ELECT	10uF 20%	50V			
C1142	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1457	1-126-964-11	ELECT	10uF 20%	50V			
C1144	1-162-974-11	CERAMIC CHIP	0.01uF 50V		C1458	1-126-964-11	ELECT	10uF 20%	50V			
C1145	1-162-974-11	CERAMIC CHIP	0.01uF 50V		C1462	1-162-963-11	CERAMIC CHIP	680PF 10%	50V			
C1149	1-162-960-11	CERAMIC CHIP	220PF 10%	50V	C1463	1-162-961-11	CERAMIC CHIP	330PF 10%	50V			
C1171	1-162-974-11	CERAMIC CHIP	0.01uF 50V		C1468	1-126-964-11	ELECT	10uF 20%	50V			
C1172	1-162-974-11	CERAMIC CHIP	0.01uF 50V		C1473	1-162-961-11	CERAMIC CHIP	330PF 10%	50V			
C1253	1-162-960-11	CERAMIC CHIP	220PF 10% 50V		C1474	1-162-963-11	CERAMIC CHIP	680PF 10%	50V			
C1254	1-162-960-11	CERAMIC CHIP	220PF 10% 50V		C1481	1-162-961-11	CERAMIC CHIP	330PF 10%	50V			
C1255	1-162-960-11	CERAMIC CHIP	220PF 10% 50V		C1483	1-162-963-11	CERAMIC CHIP	680PF 10%	50V			
C1299	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1487	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V			
C1301	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1491	1-126-964-11	ELECT	10uF 20%	50V			
C1302	1-162-974-11	CERAMIC CHIP	0.01uF 50V		C1494	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1303	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1495	1-162-960-11	CERAMIC CHIP	220PF 10%	50V			
C1304	1-107-726-11	CERAMIC CHIP	0.01uF 10%	16V	C1501	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1305	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1502	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1306	1-126-947-11	ELECT	47uF 20%	35V	C1503	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1308	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1504	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1309	1-162-918-11	CERAMIC CHIP	18PF 5% 50V		C1505	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1310	1-162-918-11	CERAMIC CHIP	18PF 5% 50V		C1506	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1312	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1507	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1313	1-162-927-11	CERAMIC CHIP	100PF 5% 50V		C1508	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1314	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1509	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1315	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1510	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1351	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1511	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1354	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1513	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1355	1-104-662-11	ELECT	22uF 20%	25V	C1514	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1358	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1515	1-126-925-11	ELECT	470uF 20%	10V			
C1359	1-126-916-11	ELECT	1000uF 20%	6.3V	C1516	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1361	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1517	1-126-925-11	ELECT	470uF 20%	10V			
C1362	1-162-974-11	CERAMIC CHIP	0.01uF 50V		C1518	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1401	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1519	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1402	1-126-947-11	ELECT	47uF 20%	35V	C1520	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1403	1-126-964-11	ELECT	10uF 20%	50V	C1521	1-162-920-11	CERAMIC CHIP	27PF 5%	50V			
C1404	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1522	1-162-920-11	CERAMIC CHIP	27PF 5%	50V			
C1405	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1525	1-126-925-11	ELECT	470uF 20%	10V			
C1406	1-126-964-11	ELECT	10uF 20%	50V	C1547	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V			
C1407	1-126-964-11	ELECT	10uF 20%	50V	C1566	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V			
C1408	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	C1567	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V			
C1409	1-162-970-11	CERAMIC CHIP	0.01uF 10%	25V	C1568	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V			
C1411	1-162-963-11	CERAMIC CHIP	680PF 10%	50V	C1569	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V			
C1413	1-162-961-11	CERAMIC CHIP	330PF 10%	50V	C1604	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1414	1-162-970-11	CERAMIC CHIP	0.01uF 10%	25V	C1605	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1415	1-162-970-11	CERAMIC CHIP	0.01uF 10%	25V	C1620	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1418	1-126-964-11	ELECT	10uF 20%	50V	C1905	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V			
C1422	1-162-963-11	CERAMIC CHIP	680PF 10%	50V	C1570	1-126-925-11	ELECT	470uF 20%	10V			
C1423	1-162-961-11	CERAMIC CHIP	330PF 10%	50V	C1908	1-126-925-11	ELECT	470uF 20%	10V			
C1428	1-126-964-11	ELECT	10uF 20%	50V	C1913	1-137-980-11	CERAMIC CHIP	0.47uF 10%	50V			
C1432	1-162-963-11	CERAMIC CHIP	680PF 10%	50V	C1914	1-126-947-11	ELECT	47uF 20%	35V			
C1433	1-162-961-11	CERAMIC CHIP	330PF 10%	50V	< CONNECTOR >							
C1438	1-126-964-11	ELECT	10uF 20%	50V	CNP503	1-691-770-11	PLUG (MICRO CONNECTOR) 8P					
C1441	1-162-963-11	CERAMIC CHIP	680PF 10%	50V	* CNP505	1-564-510-11	PLUG, CONNECTOR 7P					
C1442	1-162-961-11	CERAMIC CHIP	330PF 10%	50V	CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P					
C1448	1-126-964-11	ELECT	10uF 20%	50V	CNS502	1-573-825-11	CONNECTOR, BOARD TO BOARD 11P					
C1450	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V	CNS504	1-784-731-11	CONNECTOR, FFC 9P					
C1451	1-162-963-11	CERAMIC CHIP	680PF 10%	50V	CNS507	1-568-828-11	CONNECTOR, FFC 9P (US,CND)					
C1453	1-162-961-11	CERAMIC CHIP	330PF 10%	50V	CNS508	1-568-830-11	CONNECTOR, FFC 11P (AEP,UK)					
C1454	1-100-566-11	CERAMIC CHIP	0.1uF 10%	25V								

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
CNS509	1-784-774-11	CONNECTOR, FFC 13P				< JACK >	
CNS513	1-784-778-11	CONNECTOR, FFC 17P		J1301	1-793-446-21	JACK, PIN 1P (DIGITAL DVD IN (COAXIAL))	
		< DIODE >				< JUMPER RESISTOR >	
D1001	8-719-053-18	DIODE 1SR154-400TE-25		JR1002	1-211-950-11	SHORT CHIP 0	
D1003	8-719-049-09	DIODE 1SS367-T3SONY		JR1005	1-216-864-11	SHORT CHIP 0	
D1004	8-719-049-09	DIODE 1SS367-T3SONY		JR1008	1-216-864-11	SHORT CHIP 0	
D1107	8-719-404-50	DIODE MA111-TX		JR1020	1-216-864-11	SHORT CHIP 0	
D1108	8-719-404-50	DIODE MA111-TX		JR1511	1-400-862-11	BEAD, FERRITE	
D1109	8-719-404-50	DIODE MA111-TX				< RESISTOR >	
D1110	8-719-404-50	DIODE MA111-TX		R1010	1-216-809-11	METAL CHIP 100	5% 1/10W
D1111	8-719-404-50	DIODE MA111-TX		R1011	1-216-809-11	METAL CHIP 100	5% 1/10W
D1301	8-719-404-50	DIODE MA111-TX		R1012	1-216-809-11	METAL CHIP 100	5% 1/10W
D1302	8-719-404-50	DIODE MA111-TX		R1013	1-216-809-11	METAL CHIP 100	5% 1/10W
D1501	8-719-049-09	DIODE 1SS367-T3SONY		R1014	1-216-809-11	METAL CHIP 100	5% 1/10W
D1502	8-719-049-09	DIODE 1SS367-T3SONY				< FERRITE BEAD >	
D1503	8-719-049-09	DIODE 1SS367-T3SONY		R1015	1-216-809-11	METAL CHIP 100	5% 1/10W
		< FERRITE BEAD >		R1035	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
FB1101	1-400-862-11	BEAD, FERRITE		R1039	1-216-833-11	METAL CHIP 10K	5% 1/10W
FB1302	1-400-862-11	BEAD, FERRITE		R1041	1-216-809-11	METAL CHIP 100	5% 1/10W
FB1305	1-400-862-11	BEAD, FERRITE		R1042	1-216-809-11	METAL CHIP 100	5% 1/10W
FB1308	1-400-862-11	BEAD, FERRITE				R1049	1-216-833-11 METAL CHIP 10K 5% 1/10W
FB1310	1-400-862-11	BEAD, FERRITE				R1058	1-216-813-11 METAL CHIP 220 5% 1/10W (AEP,UK)
		< IC >				R1059	1-216-813-11 METAL CHIP 220 5% 1/10W (AEP,UK)
FB1350	1-400-862-11	BEAD, FERRITE				R1061	1-216-809-11 METAL CHIP 100 5% 1/10W
FB1403	1-400-862-11	BEAD, FERRITE				R1062	1-216-809-11 METAL CHIP 100 5% 1/10W
FB1405	1-400-862-11	BEAD, FERRITE				R1065	1-216-809-11 METAL CHIP 100 5% 1/10W
FB1452	1-400-862-11	BEAD, FERRITE				R1066	1-216-809-11 METAL CHIP 100 5% 1/10W
FB1453	1-400-862-11	BEAD, FERRITE				R1067	1-216-809-11 METAL CHIP 100 5% 1/10W
		< IC >				R1068	1-216-809-11 METAL CHIP 100 5% 1/10W
FB1501	1-400-862-11	BEAD, FERRITE				R1072	1-216-827-11 METAL CHIP 3.3K 5% 1/10W
FB1502	1-400-862-11	BEAD, FERRITE				R1073	1-216-827-11 METAL CHIP 3.3K 5% 1/10W
FB1503	1-400-862-11	BEAD, FERRITE				R1076	1-216-809-11 METAL CHIP 100 5% 1/10W
		< IC >				R1077	1-216-809-11 METAL CHIP 100 5% 1/10W
IC1001	8-759-231-53	IC TA7805S				R1078	1-216-809-11 METAL CHIP 100 5% 1/10W
IC1031	6-705-469-01	IC BA50BC0FP-E2				R1083	1-216-833-11 METAL CHIP 10K 5% 1/10W
IC1101	6-807-154-01	IC MB90F045PF-G-9033-SPE1				R1088	1-216-833-11 METAL CHIP 10K 5% 1/10W
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G				R1094	1-216-833-11 METAL CHIP 10K 5% (US,CND)
IC1131	6-705-866-01	IC BR24L16FJ-WE2				R1095	1-216-833-11 METAL CHIP 10K 5% (US,CND)
		< IC >				R1096	1-216-833-11 METAL CHIP 10K 5% 1/10W
IC1301	8-759-825-15	IC LC89056W-E				R1105	1-216-833-11 METAL CHIP 10K 5% 1/10W
IC1303	8-759-096-87	IC TC7WU04FU(TE12R)				R1106	1-216-809-11 METAL CHIP 100 5% 1/10W
IC1351	6-600-466-01	IC TORX147L(SONY) (DIGITAL VIDEO 2/BD IN (OPTICAL))				R1107	1-216-825-11 METAL CHIP 2.2K 5% 1/10W
IC1354	6-600-466-01	IC TORX147L(SONY) (DIGITAL SAT IN (OPTICAL))				R1108	1-216-825-11 METAL CHIP 2.2K 5% 1/10W
IC1401	6-707-608-01	IC PCM1803DBR				R1109	1-216-825-11 METAL CHIP 2.2K 5% (US,CND)
		< IC >				R1110	1-216-825-11 METAL CHIP 2.2K 5% 1/10W
IC1403	8-759-710-97	IC NJM4565M-D				R1111	1-216-825-11 METAL CHIP 2.2K 5% 1/10W
IC1404	8-759-710-97	IC NJM4565M-D				R1112	1-216-809-11 METAL CHIP 100 5% 1/10W
IC1405	8-759-710-97	IC NJM4565M-D				R1114	1-216-825-11 METAL CHIP 2.2K 5% 1/10W
IC1452	6-708-784-01	IC PCM1602APT				R1117	1-216-821-11 METAL CHIP 1K 5% 1/10W
IC1502	6-709-278-01	IC IS61WV6416BLL-12TLI				R1118	1-216-821-11 METAL CHIP 1K 5% 1/10W
		< IC >				R1120	1-216-821-11 METAL CHIP 1K 5% 1/10W
IC1503	8-759-546-74	IC TC7WH157FU(TE12R)				R1121	1-216-809-11 METAL CHIP 100 5% 1/10W
IC1901	6-707-168-01	IC SI-3008KWFE				R1122	1-216-809-11 METAL CHIP 100 5% 1/10W
IC1902	8-759-701-59	IC NJM78M09FA				R1123	1-216-809-11 METAL CHIP 100 5% 1/10W
IC1904	6-705-468-01	IC BA33BC0FP-E2					
IC1905	6-707-754-01	IC CXD9862R					

DIGITAL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R1124	1-216-809-11	METAL CHIP	100 5% 1/10W	R1312	1-216-809-11	METAL CHIP	100 5% 1/10W
R1125	1-216-809-11	METAL CHIP	100 5% 1/10W	R1313	1-216-809-11	METAL CHIP	100 5% 1/10W
R1126	1-216-809-11	METAL CHIP	100 5% 1/10W	R1314	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1127	1-216-809-11	METAL CHIP	100 5% 1/10W	R1318	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1128	1-216-809-11	METAL CHIP	100 5% 1/10W	R1319	1-216-864-11	SHORT CHIP	0
R1129	1-216-809-11	METAL CHIP	100 5% 1/10W	R1321	1-216-864-11	SHORT CHIP	0
R1134	1-216-809-11	METAL CHIP	100 5% 1/10W	R1323	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1135	1-216-809-11	METAL CHIP	100 5% 1/10W	R1325	1-216-864-11	SHORT CHIP	0
R1140	1-216-809-11	METAL CHIP	100 5% 1/10W	R1351	1-216-809-11	METAL CHIP	100 5% 1/10W
R1143	1-216-809-11	METAL CHIP	100 5% 1/10W	R1354	1-216-809-11	METAL CHIP	100 5% 1/10W
R1144	1-216-809-11	METAL CHIP	100 5% 1/10W	R1355	1-218-285-11	METAL CHIP	75 5% 1/10W
R1150	1-216-809-11	METAL CHIP	100 5% 1/10W	R1356	1-216-817-11	METAL CHIP	470 5% 1/10W
R1151	1-216-809-11	METAL CHIP	100 5% 1/10W	R1357	1-216-841-11	METAL CHIP	47K 5% 1/10W
R1152	1-216-809-11	METAL CHIP	100 5% 1/10W	R1359	1-216-809-11	METAL CHIP	100 5% 1/10W
R1153	1-216-809-11	METAL CHIP	100 5% 1/10W	R1360	1-216-809-11	METAL CHIP	100 5% 1/10W
R1154	1-216-809-11	METAL CHIP	100 5% 1/10W	R1401	1-216-809-11	METAL CHIP	100 5% 1/10W
R1156	1-216-864-11	SHORT CHIP	0	R1407	1-216-809-11	METAL CHIP	100 5% 1/10W
R1157	1-216-864-11	SHORT CHIP	0	R1409	1-216-864-11	SHORT CHIP	0
R1159	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	R1410	1-216-817-11	METAL CHIP	470 5% 1/10W
R1160	1-216-809-11	METAL CHIP	100 5% 1/10W	R1411	1-216-817-11	METAL CHIP	470 5% 1/10W
R1161	1-216-809-11	METAL CHIP	100 5% 1/10W	R1414	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1163	1-216-841-11	METAL CHIP	47K 5% 1/10W	R1420	1-216-864-11	SHORT CHIP	0
R1164	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R1421	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1175	1-216-809-11	METAL CHIP	100 5% 1/10W	R1424	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1179	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1425	1-216-864-11	SHORT CHIP	0
R1180	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1426	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1181	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1434	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1182	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1435	1-216-864-11	SHORT CHIP	0
R1183	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1436	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1184	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1444	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1185	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1445	1-216-864-11	SHORT CHIP	0
R1186	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1446	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1187	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1454	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1188	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1455	1-216-864-11	SHORT CHIP	0
R1189	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1460	1-216-864-11	SHORT CHIP	0
R1190	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1461	1-216-864-11	SHORT CHIP	0
R1191	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1463	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1192	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1464	1-216-864-11	SHORT CHIP	0
R1193	1-216-841-11	METAL CHIP	47K 5% 1/10W (AEP,UK)	R1466	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1194	1-216-825-11	METAL CHIP	2.2K 5% 1/10W (AEP,UK)	R1469	1-216-809-11	METAL CHIP	100 5% 1/10W
R1194	1-216-864-11	SHORT CHIP	0 (US,CND)	R1470	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1201	1-216-837-11	METAL CHIP	22K 5% 1/10W	R1471	1-216-864-11	SHORT CHIP	0
R1253	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1472	1-216-864-11	SHORT CHIP	0
R1260	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1473	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1261	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1474	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1301	1-216-830-11	METAL CHIP	5.6K 5% 1/10W	R1475	1-216-864-11	SHORT CHIP	0
R1302	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R1476	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1303	1-216-839-11	METAL CHIP	33K 5% 1/10W	R1483	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1304	1-216-809-11	METAL CHIP	100 5% 1/10W	R1484	1-216-864-11	SHORT CHIP	0
R1305	1-216-819-11	METAL CHIP	680 5% 1/10W	R1486	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1306	1-216-801-11	METAL CHIP	22 5% 1/10W	R1490	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1307	1-216-809-11	METAL CHIP	100 5% 1/10W	R1491	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1308	1-216-809-11	METAL CHIP	100 5% 1/10W	R1492	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1309	1-216-809-11	METAL CHIP	100 5% 1/10W	R1493	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1310	1-216-857-11	METAL CHIP	1M 5% 1/10W	R1494	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R1311	1-216-809-11	METAL CHIP	100 5% 1/10W	R1495	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
				R1501	1-216-809-11	METAL CHIP	100 5% 1/10W
				R1502	1-216-809-11	METAL CHIP	100 5% 1/10W

Ref. No.	Part No.	Description		Remark		Ref. No.	Part No.	Description		Remark						
R1503	1-216-813-11	METAL CHIP	220	5%	1/10W	C145	1-127-888-11	CERAMIC	0.1uF	10%	50V					
R1504	1-216-809-11	METAL CHIP	100	5%	1/10W	C146	1-126-964-11	ELECT	10uF	20%	50V					
R1505	1-216-809-11	METAL CHIP	100	5%	1/10W	C147	1-162-286-31	CERAMIC	220PF	10%	50V					
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W	C148	1-162-286-31	CERAMIC	220PF	10%	50V					
R1508	1-216-809-11	METAL CHIP	100	5%	1/10W	C149	1-162-286-31	CERAMIC	220PF	10%	50V					
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W	C150	1-127-888-11	CERAMIC	0.1uF	10%	50V					
R1510	1-216-809-11	METAL CHIP	100	5%	1/10W	C151	1-127-888-11	CERAMIC	0.1uF	10%	50V					
R1511	1-216-809-11	METAL CHIP	100	5%	1/10W	C161	1-126-964-11	ELECT	10uF	20%	50V					
R1512	1-216-833-11	METAL CHIP	10K	5%	1/10W	< CONNECTOR >										
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W	CNS102	1-784-778-11	CONNECTOR, FFC 17P	< VACUUM FLUORESCENT DISPLAY >							
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W	FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY	< IC >							
R1515	1-216-857-11	METAL CHIP	1M	5%	1/10W	IC100	8-759-643-83	IC uPD16315GB-3BS	< RESISTOR >							
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W	IC101	8-759-243-51	IC TC74ACT08P	< NETWORK RESISTOR >							
R1524	1-216-864-11	SHORT CHIP	0			IC102	6-600-174-01	IC RPM7240-H4 (IR)	< VIBRATOR >							
R1530	1-216-845-11	METAL CHIP	100K	5%	1/10W	R101	1-249-409-11	CARBON	220	5%	1/4W					
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W	R102	1-249-411-11	CARBON	330	5%	1/4W					
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W	R103	1-249-413-11	CARBON	470	5%	1/4W					
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W	R104	1-249-415-11	CARBON	680	5%	1/4W					
R1557	1-216-813-11	METAL CHIP	220	5%	1/10W	R105	1-247-831-11	CARBON	1K	5%	1/4W					
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W	R106	1-249-419-11	CARBON	1.5K	5%	1/4W					
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W	R107	1-249-421-11	CARBON	2.2K	5%	1/4W					
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W	R108	1-249-409-11	CARBON	220	5%	1/4W					
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W	R109	1-249-411-11	CARBON	330	5%	1/4W					
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W	R110	1-249-413-11	CARBON	470	5%	1/4W					
R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W	R115	1-247-807-31	CARBON	100	5%	1/4W					
R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W	R116	1-247-807-31	CARBON	100	5%	1/4W					
R1943	1-216-841-11	METAL CHIP	47K	5%	1/10W	R117	1-247-807-31	CARBON	100	5%	1/4W					
R1947	1-216-801-11	METAL CHIP	22	5%	1/10W	R118	1-249-440-11	CARBON	82K	5%	1/4W					
R1948	1-216-809-11	METAL CHIP	100	5%	1/10W	R119	1-247-807-31	CARBON	100	5%	1/4W					
< NETWORK RESISTOR >						R121	1-249-393-11	CARBON	10	5%	1/4W					
RB1500	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	< VIBRATOR >				R198	1-249-385-11	CARBON	2.2	5%	1/4W F (AEP,UK)				
RB1501	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	< VIBRATOR >				R198	1-249-387-11	CARBON	3.3	5%	1/4W F (US,CND)				
RB1502	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	< VIBRATOR >				R199	1-249-385-11	CARBON	2.2	5%	1/4W F (AEP,UK)				
RB1503	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	< VIBRATOR >				R199	1-249-387-11	CARBON	3.3	5%	1/4W F (US,CND)				
RB1504	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	< VIBRATOR >				A-1221-600-A	DISPLAY BOARD, COMPLETE (US,CND)				< ROTARY ENCODER >				
RB1506	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	< VIBRATOR >				A-1221-612-A	DISPLAY BOARD, COMPLETE (AEP,UK)				*****				
X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR (24MHz)	< CAPACITOR >				RV101	1-418-817-11	ENCODER, ROTARY (INPUT SELECTOR)	(MASTER VOLUME)			*****			
X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)	< CAPACITOR >				RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE)	(MASTER VOLUME)			*****			
X1502	1-813-276-21	QUARTZ, CRYSTAL (13.9MHz)	< CAPACITOR >				C100	1-127-888-11	CERAMIC	0.1uF	10%	50V	< SWITCH >			
*****	*****	*****	< CAPACITOR >				C101	1-127-888-11	CERAMIC	0.1uF	10%	50V	< SWITCH >			
*****	*****	*****	< CAPACITOR >				C106	1-127-868-11	CERAMIC	0.0022uF	10%	50V	S101	1-771-410-21	SWITCH, TACTILE (DIRECT)	
*****	*****	*****	< CAPACITOR >				C107	1-127-868-11	CERAMIC	0.0022uF	10%	50V	S102	1-771-410-21	SWITCH, TACTILE (AUTO CAL)	
*****	*****	*****	< CAPACITOR >				C110	1-162-286-31	CERAMIC	220PF	10%	50V	S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)	
*****	*****	*****	< CAPACITOR >				C111	1-162-286-31	CERAMIC	220PF	10%	50V	S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)	
*****	*****	*****	< CAPACITOR >				C112	1-162-286-31	CERAMIC	220PF	10%	50V	S105	1-771-410-21	SWITCH, TACTILE (MOVIE)	
*****	*****	*****	< CAPACITOR >				C144	1-127-888-11	CERAMIC	0.1uF	10%	50V	S106	1-771-410-21	SWITCH, TACTILE (A,F,D.)	

STR-DG510

DISPLAY **HDMI SW** **HEADPHONE**

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark					
S107	1-771-410-21	SWITCH, TACTILE (2CH)				R5003	1-216-833-11	METAL CHIP	10K	5%	1/10W			
S108	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)				R5004	1-216-864-11	SHORT CHIP	0					
S109	1-771-410-21	SWITCH, TACTILE (TUNING MODE)				R5005	1-216-864-11	SHORT CHIP	0					
S110	1-771-410-21	SWITCH, TACTILE (TUNING -)				R5006	1-216-864-11	SHORT CHIP	0					
S111	1-771-410-21	SWITCH, TACTILE (TUNING +)				R5007	1-216-864-11	SHORT CHIP	0					
S124	1-771-410-21	SWITCH, TACTILE (MUSIC)				R5008	1-216-864-11	SHORT CHIP	0					

A-1158-394-A		HDMI SW BOARD, COMPLETE	*****			R5009	1-216-864-11	SHORT CHIP	0					

< CAPACITOR >														
C5001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R5015	1-216-821-11	METAL CHIP	1K	5%	1/10W			
C5002	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5016	1-216-864-11	SHORT CHIP	0					
C5003	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5017	1-216-864-11	SHORT CHIP	0					
C5004	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5018	1-216-821-11	METAL CHIP	1K	5%	1/10W			
C5005	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5019	1-216-864-11	SHORT CHIP	0					
C5006	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5020	1-216-864-11	SHORT CHIP	0					
C5007	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5022	1-216-833-11	METAL CHIP	10K	5%	1/10W			
C5008	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5024	1-216-864-11	SHORT CHIP	0					
C5009	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5025	1-216-864-11	SHORT CHIP	0					
C5010	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5026	1-216-809-11	METAL CHIP	100	5%	1/10W			
C5011	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5027	1-216-833-11	METAL CHIP	10K	5%	1/10W			
C5012	1-112-788-11	ELECT CHIP	330uF	20%	6.3V	R5028	1-216-833-11	METAL CHIP	10K	5%	1/10W			
C5013	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V	R5029	1-216-841-11	METAL CHIP	47K	5%	1/10W			
C5014	1-112-788-11	ELECT CHIP	330uF	20%	6.3V	R5030	1-216-833-11	METAL CHIP	10K	5%	1/10W			
C5015	1-128-994-21	ELECT CHIP	47uF	20%	10V	R5042	1-216-829-11	METAL CHIP	4.7K	5%	1/10W			
C5016	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5043	1-216-829-11	METAL CHIP	4.7K	5%	1/10W			
C5017	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	R5047	1-216-864-11	SHORT CHIP	0					
C5018	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	R5048	1-216-864-11	SHORT CHIP	0					
C5019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R5049	1-216-864-11	SHORT CHIP	0					
C5020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R5050	1-216-821-11	METAL CHIP	1K	5%	1/10W			
C5021	1-117-681-11	ELECT CHIP	100uF	20%	16V	R5051	1-216-823-11	METAL CHIP	1.5K	5%	1/10W			
C5022	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5052	1-216-841-11	METAL CHIP	47K	5%	1/10W			
C5023	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R5053	1-216-825-11	METAL CHIP	2.2K	5%	1/10W			
C5024	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V	R5054	1-216-833-11	METAL CHIP	10K	5%	1/10W			
C5027	1-128-994-21	ELECT CHIP	47uF	20%	10V	R5055	1-216-833-11	METAL CHIP	10K	5%	1/10W			
< CONNECTOR >														
CN5001	1-820-735-11	CONNECTOR, HDMI 19P (HDMI DVD IN)				R5056	1-216-821-11	METAL CHIP	1K	5%	1/10W			
CN5002	1-820-735-11	CONNECTOR, HDMI 19P (HDMI VIDEO 2/BD IN)				R5060	1-216-864-11	SHORT CHIP	0					
CN5003	1-820-735-11	CONNECTOR, HDMI 19P (HDMI OUT)				R5061	1-216-864-11	SHORT CHIP	0					
* CN5004	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P				R5068	1-216-845-11	METAL CHIP	100K	5%	1/10W			
< IC >														
IC5001	6-709-221-01	IC TMDS341PFCR				R5069	1-216-845-11	METAL CHIP	100K	5%	1/10W			
IC5002	6-705-337-01	IC TK11150CSCL-G				R5072	1-216-809-11	METAL CHIP	100	5%	1/10W			
IC5003	6-705-468-01	IC BA33BC0FP-E2				R5073	1-216-864-11	SHORT CHIP	0					
IC5004	6-704-099-01	IC TC7WZ08FK(TE85R)				R5074	1-216-825-11	METAL CHIP	2.2K	5%	1/10W			
IC5005	6-707-207-01	IC SN74LVC1G3157DCKR				*****								
IC5006	6-706-740-01	IC BA00BC0WFPE2				*****								
< FERRITE BEAD >														
L5013	1-400-862-11	BEAD, FERRITE				HEADPHONE BOARD								
< RESISTOR >														
R5001	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W	*****								
R5002	1-218-844-11	METAL CHIP	750	0.5%	1/10W	< CONNECTOR >								
< JACK >														
J790	1-815-314-21	JACK (PHONES)				*****								

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-1221-595-A	MAIN BOARD, COMPLETE (US,CND)		C600	1-128-579-11	ELECT	2.2uF 20%
	A-1221-608-A	MAIN BOARD, COMPLETE (AEP,UK)	*****	C601	1-126-963-11	ELECT	4.7uF 20%
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		C602	1-128-809-11	CERAMIC	100PF 5%
		< CAPACITOR >		C603	1-128-809-11	CERAMIC	100PF 5%
C400	1-127-888-11	CERAMIC	0.1uF 10% 50V	C604	1-101-810-00	CERAMIC	100PF 5%
C402	1-126-964-11	ELECT	10uF 20% 50V	C606	1-107-583-11	CERAMIC	3PF 0.25PF
C403	1-162-294-31	CERAMIC	0.001uF 10% 50V	C607	1-104-658-11	ELECT	100uF 20%
C404	1-162-294-31	CERAMIC	0.001uF 10% 50V	C608	1-126-947-11	ELECT	47uF 20%
C405	1-126-963-11	ELECT	4.7uF 20% 50V	C611	1-162-815-11	CERAMIC	47PF 5%
C421	1-126-963-11	ELECT	4.7uF 20% 50V	C612	1-162-815-11	CERAMIC	47PF 5%
C422	1-126-963-11	ELECT	4.7uF 20% 50V	C613	1-128-813-11	CERAMIC	220PF 5%
C423	1-126-963-11	ELECT	4.7uF 20% 50V	C614	1-127-876-11	CERAMIC	0.01uF 10%
C424	1-126-963-11	ELECT	4.7uF 20% 50V	C615	1-126-964-11	ELECT	10uF 20%
C425	1-126-963-11	ELECT	4.7uF 20% 50V	C616	1-136-157-00	FILM	0.022uF 5%
C426	1-126-963-11	ELECT	4.7uF 20% 50V	C651	1-126-963-11	ELECT	4.7uF 20%
C431	1-126-964-11	ELECT	10uF 20% 50V	C652	1-128-809-11	CERAMIC	100PF 5%
C432	1-126-964-11	ELECT	10uF 20% 50V	C653	1-128-809-11	CERAMIC	100PF 5%
C433	1-126-964-11	ELECT	10uF 20% 50V	C654	1-101-810-00	CERAMIC	100PF 5%
C434	1-126-964-11	ELECT	10uF 20% 50V	C655	1-107-583-11	CERAMIC	3PF 0.25PF
C435	1-126-964-11	ELECT	10uF 20% 50V	C657	1-104-658-11	ELECT	100uF 20%
C436	1-126-964-11	ELECT	10uF 20% 50V	C658	1-126-947-11	ELECT	47uF 20%
C446	1-126-963-11	ELECT	4.7uF 20% 50V	C661	1-162-815-11	CERAMIC	47PF 5%
C452	1-126-964-11	ELECT	10uF 20% 50V	C662	1-162-815-11	CERAMIC	47PF 5%
C455	1-126-963-11	ELECT	4.7uF 20% 50V	C663	1-128-813-11	CERAMIC	220PF 5%
C471	1-104-658-11	ELECT	100uF 20% 10V	C664	1-127-876-11	CERAMIC	0.01uF 10%
C472	1-127-888-11	CERAMIC	0.1uF 10% 50V	C665	1-126-964-11	ELECT	10uF 20%
C482	1-127-888-11	CERAMIC	0.1uF 10% 50V	C666	1-136-157-00	FILM	0.022uF 5%
C484	1-127-888-11	CERAMIC	0.1uF 10% 50V	C700	1-128-579-11	ELECT	2.2uF 20%
C500	1-128-579-11	ELECT	2.2uF 20% 100V	C701	1-126-963-11	ELECT	4.7uF 20%
C501	1-126-963-11	ELECT	4.7uF 20% 50V	C702	1-128-809-11	CERAMIC	100PF 5%
C502	1-128-809-11	CERAMIC	100PF 5% 50V	C703	1-128-809-11	CERAMIC	100PF 5%
C503	1-128-809-11	CERAMIC	100PF 5% 50V	C704	1-101-810-00	CERAMIC	100PF 5%
C504	1-101-810-00	CERAMIC	100PF 5% 500V	C706	1-107-583-11	CERAMIC	3PF 0.25PF
C506	1-107-583-11	CERAMIC	3PF 0.25PF 500V	C707	1-104-658-11	ELECT	100uF 20%
C507	1-104-658-11	ELECT	100uF 20% 10V	C708	1-126-947-11	ELECT	47uF 20%
C508	1-126-947-11	ELECT	47uF 20% 35V	C711	1-162-815-11	CERAMIC	47PF 5%
C511	1-162-815-11	CERAMIC	47PF 5% 500V	C712	1-162-815-11	CERAMIC	47PF 5%
C512	1-162-815-11	CERAMIC	47PF 5% 500V	C713	1-128-813-11	CERAMIC	220PF 5%
C513	1-128-813-11	CERAMIC	220PF 5% 50V	C714	1-127-876-11	CERAMIC	0.01uF 10%
C514	1-127-876-11	CERAMIC	0.01uF 10% 50V	C715	1-126-964-11	ELECT	10uF 20%
C515	1-126-964-11	ELECT	10uF 20% 50V	C716	1-136-157-00	FILM	0.022uF 5%
C516	1-136-157-00	FILM	0.022uF 5% 50V	C801	1-135-798-11	CERAMIC	0.22uF 50V
C551	1-126-963-11	ELECT	4.7uF 20% 50V	C802	1-135-798-11	CERAMIC	0.22uF 50V
C552	1-128-809-11	CERAMIC	100PF 5% 50V	C803	1-126-936-11	ELECT	3300uF 20%
C553	1-128-809-11	CERAMIC	100PF 5% 50V	C806	1-126-947-11	ELECT	47uF 20%
C554	1-101-810-00	CERAMIC	100PF 5% 500V	C807	1-126-947-11	ELECT	47uF 20%
C556	1-107-583-11	CERAMIC	3PF 0.25PF 500V	C808	1-126-947-11	ELECT	47uF 20%
C557	1-104-658-11	ELECT	100uF 20% 10V	C811	1-135-851-21	MYLAR	0.22uF 100V
C558	1-126-947-11	ELECT	47uF 20% 35V	C812	1-135-851-21	MYLAR	0.22uF 100V
C561	1-162-815-11	CERAMIC	47PF 5% 500V	C813	1-165-960-11	ELECT(BLOCK)	6800uF 20%
C562	1-162-815-11	CERAMIC	47PF 5% 500V	C814	1-165-960-11	ELECT(BLOCK)	6800uF 20%
C563	1-128-813-11	CERAMIC	220PF 5% 50V	C815	1-128-582-11	ELECT	10uF 20%
C564	1-127-876-11	CERAMIC	0.01uF 10% 50V	C821	1-137-194-81	FILM	0.47uF 5%
C565	1-126-964-11	ELECT	10uF 20% 50V	C822	1-137-194-81	FILM	0.47uF 5%
C566	1-136-157-00	FILM	0.022uF 5% 50V	C823	1-126-947-11	ELECT	47uF 20%
				C824	1-126-947-11	ELECT	47uF 20%
				C851	1-127-888-11	CERAMIC	0.1uF 10%

STR-DG510

MAIN

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark
C881	1-126-923-11	ELECT	220uF	20%	10V	D801	8-719-986-50	DIODE	HZS22-1LTA
C882	1-126-964-11	ELECT	10uF	20%	50V	D802	8-719-068-24	DIODE	HZ5.6BP-TK
CC01	1-128-809-11	CERAMIC	100PF	5%	50V (AEP,UK)	D804	6-500-522-11	DIODE	10EDB40-TA2B5
CC02	1-128-809-11	CERAMIC	100PF	5%	50V (AEP,UK)	D805	6-500-522-11	DIODE	10EDB40-TA2B5
CC03	1-128-809-11	CERAMIC	100PF	5%	50V (AEP,UK)	D806	6-500-522-11	DIODE	10EDB40-TA2B5
CC04	1-128-809-11	CERAMIC	100PF	5%	50V (AEP,UK)	D807	6-500-522-11	DIODE	10EDB40-TA2B5
CC05	1-128-809-11	CERAMIC	100PF	5%	50V (AEP,UK)	D811	8-719-072-05	DIODE	RBV-602LF-A
CC11	1-127-876-11	CERAMIC	0.01uF	10%	50V (AEP,UK)	D821	8-719-043-76	DIODE	AK04V0
CC12	1-127-876-11	CERAMIC	0.01uF	10%	50V (AEP,UK)	D851	8-719-991-33	DIODE	1SS133T-77
CC13	1-127-876-11	CERAMIC	0.01uF	10%	50V (AEP,UK)	D852	8-719-934-21	DIODE	HZS30-1L
CC14	1-127-876-11	CERAMIC	0.01uF	10%	50V (AEP,UK)	D881	8-719-991-33	DIODE	1SS133T-77
CC15	1-127-876-11	CERAMIC	0.01uF	10%	50V (AEP,UK)	D882	8-719-991-33	DIODE	1SS133T-77
CC51	1-128-809-11	CERAMIC	100PF	5%	50V (AEP,UK)	D883	8-719-991-33	DIODE	1SS133T-77
CC52	1-128-809-11	CERAMIC	100PF	5%	50V (AEP,UK)				< IC >
CC53	1-128-809-11	CERAMIC	100PF	5%	50V (AEP,UK)	IC400	6-707-169-01	IC	M61542FP
CC54	1-128-809-11	CERAMIC	100PF	5%	50V (AEP,UK)	IC501	6-710-828-01	IC	STK350-530T-E
CC55	1-128-809-11	CERAMIC	100PF	5%	50V (AEP,UK)	IC601	6-710-828-01	IC	STK350-530T-E
					IC701	6-710-828-01	IC	STK350-530T-E	
					IC821	8-759-071-48	IC	TA7807S	
					IC822	8-759-071-47	IC	TA79007S	
					IC850	8-759-167-88	IC	NJM4565D	
									< JACK >
					J400	1-774-411-11	JACK, PIN 6P (SA-CD/CD AUDIO IN, TV AUDIO IN,SAT AUDIO IN)		
					J401	1-794-981-11	JACK, PIN 4P (VIDEO 1 AUDIO OUT/IN)		
					J403	1-770-377-21	JACK, PIN 1P (SUB WOOFER AUDIO OUT)		
									< RESISTOR >
					JW753	1-247-873-11	CARBON	56K	5% 1/4W
									< COIL >
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P			L501	1-420-872-52	COIL, AIR-CORE		
CNP502	1-573-843-11	CONNECTOR, BOARD TO BOARD 11P			L551	1-420-872-52	COIL, AIR-CORE		
* CNP503	1-564-510-11	PLUG, CONNECTOR 7P			L601	1-420-872-52	COIL, AIR-CORE		
* CNP732	1-564-506-11	PLUG, CONNECTOR 3P			L651	1-420-872-52	COIL, AIR-CORE		
* CNP901	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P			L701	1-420-872-52	COIL, AIR-CORE		
CNP902	1-691-767-11	PLUG (MICRO CONNECTOR) 5P							< TRANSISTOR >
* CNP908	1-564-506-11	PLUG, CONNECTOR 3P			Q471	8-729-922-37	TRANSISTOR	2SD2144S-UVW	
* CNP916	1-691-406-11	CONNECTOR, BOARD TO BOARD 7P			Q501	8-729-119-76	TRANSISTOR	2SA1175-HFE	
					Q502	8-729-141-30	TRANSISTOR	2SC3623A-LK	
					Q505	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
					Q506	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
					Q507	8-729-281-53	TRANSISTOR	2SC1815-GR	
					Q508	8-729-119-78	TRANSISTOR	2SC2785-HFE	
					Q509	8-729-119-78	TRANSISTOR	2SC2785-HFE	
					Q551	8-729-119-76	TRANSISTOR	2SA1175-HFE	
					Q552	8-729-141-30	TRANSISTOR	2SC3623A-LK	
					Q555	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
					Q556	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
					Q557	8-729-281-53	TRANSISTOR	2SC1815-GR	
					Q560	8-729-119-78	TRANSISTOR	2SC2785-HFE	
					Q601	8-729-119-76	TRANSISTOR	2SA1175-HFE	
					Q602	8-729-141-30	TRANSISTOR	2SC3623A-LK	
					Q605	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
					Q606	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
D501	8-719-991-33	DIODE	1SS133T-77						
D502	8-719-991-33	DIODE	1SS133T-77						
D503	8-719-991-33	DIODE	1SS133T-77						
D551	8-719-991-33	DIODE	1SS133T-77						
D552	8-719-991-33	DIODE	1SS133T-77						
D553	8-719-991-33	DIODE	1SS133T-77						
D601	8-719-991-33	DIODE	1SS133T-77						
D602	8-719-991-33	DIODE	1SS133T-77						
D603	8-719-991-33	DIODE	1SS133T-77						
D651	8-719-991-33	DIODE	1SS133T-77						
D652	8-719-991-33	DIODE	1SS133T-77						
D701	8-719-991-33	DIODE	1SS133T-77						
D702	8-719-991-33	DIODE	1SS133T-77						
D703	8-719-991-33	DIODE	1SS133T-77						
D752	8-719-991-33	DIODE	1SS133T-77						
D791	8-719-991-33	DIODE	1SS133T-77						

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
Q607	8-729-281-53	TRANSISTOR	2SC1815-GR			R519	1-247-863-11	CARBON	22K	5%	1/4W
Q608	8-729-119-78	TRANSISTOR	2SC2785-HFE			R520	1-249-439-11	CARBON	68K	5%	1/4W
Q651	8-729-119-76	TRANSISTOR	2SA1175-HFE			R521	1-249-393-11	CARBON	10	5%	1/4W F
Q652	8-729-141-30	TRANSISTOR	2SC3623A-LK			R522	1-247-871-11	CARBON	47K	5%	1/4W
Q655	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R523	1-249-389-11	CARBON	4.7	5%	1/4W F
Q656	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R524	1-249-404-00	CARBON	82	5%	1/4W F
Q657	8-729-281-53	TRANSISTOR	2SC1815-GR			R525	1-249-421-11	CARBON	2.2K	5%	1/4W
Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE			▲ R531	1-215-868-00	METAL OXIDE	680	5%	1W F
Q702	8-729-141-30	TRANSISTOR	2SC3623A-LK			▲ R532	1-215-868-00	METAL OXIDE	680	5%	1W F
Q705	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R551	1-247-831-11	CARBON	1K	5%	1/4W
Q706	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R552	1-249-439-11	CARBON	68K	5%	1/4W
Q707	8-729-281-53	TRANSISTOR	2SC1815-GR			R553	1-249-421-11	CARBON	2.2K	5%	1/4W
Q708	8-729-119-78	TRANSISTOR	2SC2785-HFE			R554	1-249-439-11	CARBON	68K	5%	1/4W
Q801	8-729-140-97	TRANSISTOR	2SB734-34			R555	1-249-421-11	CARBON	2.2K	5%	1/4W
Q851	8-729-281-53	TRANSISTOR	2SC1815-GR			R556	1-249-440-11	CARBON	82K	5%	1/4W
Q852	8-729-029-40	TRANSISTOR	DTA124ESA			R557	1-249-414-11	CARBON	560	5%	1/4W
Q881	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R558	1-249-405-11	CARBON	100	5%	1/4W F
Q882	8-729-119-78	TRANSISTOR	2SC2785-HFE			R559	1-249-405-11	CARBON	100	5%	1/4W F
Q883	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			R560	ENCAPSULATED COMPONENT 0.22X2 5W				
< RESISTOR >											
R401	1-247-831-11	CARBON	1K	5%	1/4W	R562	1-240-855-81	CARBON	6.2K	5%	1/4W F
R402	1-247-831-11	CARBON	1K	5%	1/4W	R563	1-249-419-11	CARBON	1.5K	5%	1/4W
R403	1-247-831-11	CARBON	1K	5%	1/4W	R564	1-249-431-11	CARBON	15K	5%	1/4W
R404	1-247-831-11	CARBON	1K	5%	1/4W	R565	1-247-863-11	CARBON	22K	5%	1/4W
R405	1-247-831-11	CARBON	1K	5%	1/4W	R566	1-247-843-11	CARBON	3.3K	5%	1/4W
R406	1-247-807-31	CARBON	100	5%	1/4W	R567	1-249-431-11	CARBON	15K	5%	1/4W
R407	1-247-807-31	CARBON	100	5%	1/4W	R568	1-247-863-11	CARBON	22K	5%	1/4W
R416	1-247-831-11	CARBON	1K	5%	1/4W	R569	1-247-863-11	CARBON	22K	5%	1/4W
R451	1-247-831-11	CARBON	1K	5%	1/4W	R570	1-249-439-11	CARBON	68K	5%	1/4W
R452	1-247-831-11	CARBON	1K	5%	1/4W	R571	1-249-393-11	CARBON	10	5%	1/4W F
R453	1-247-831-11	CARBON	1K	5%	1/4W	R572	1-247-871-11	CARBON	47K	5%	1/4W
R454	1-247-831-11	CARBON	1K	5%	1/4W	R573	1-249-389-11	CARBON	4.7	5%	1/4W F
R455	1-247-831-11	CARBON	1K	5%	1/4W	R574	1-249-404-00	CARBON	82	5%	1/4W F
R469	1-247-831-11	CARBON	1K	5%	1/4W	R600	1-247-871-11	CARBON	47K	5%	1/4W
R471	1-249-415-11	CARBON	680	5%	1/4W	R601	1-247-831-11	CARBON	1K	5%	1/4W
R472	1-247-831-11	CARBON	1K	5%	1/4W	R602	1-249-439-11	CARBON	68K	5%	1/4W
R473	1-249-421-11	CARBON	2.2K	5%	1/4W	R603	1-249-421-11	CARBON	2.2K	5%	1/4W
R479	1-249-421-11	CARBON	2.2K	5%	1/4W	R604	1-249-439-11	CARBON	68K	5%	1/4W
R500	1-247-871-11	CARBON	47K	5%	1/4W	R605	1-249-421-11	CARBON	2.2K	5%	1/4W
R501	1-247-831-11	CARBON	1K	5%	1/4W	R606	1-249-440-11	CARBON	82K	5%	1/4W
R502	1-249-439-11	CARBON	68K	5%	1/4W	R607	1-249-414-11	CARBON	560	5%	1/4W
R503	1-249-421-11	CARBON	2.2K	5%	1/4W	R608	1-249-405-11	CARBON	100	5%	1/4W F
R504	1-249-439-11	CARBON	68K	5%	1/4W	R609	1-249-405-11	CARBON	100	5%	1/4W F
R505	1-249-421-11	CARBON	2.2K	5%	1/4W	R610	ENCAPSULATED COMPONENT 0.22X2 5W				
R506	1-249-440-11	CARBON	82K	5%	1/4W	R611	1-247-847-11	CARBON	4.7K	5%	1/4W
R507	1-249-414-11	CARBON	560	5%	1/4W	R612	1-240-855-81	CARBON	6.2K	5%	1/4W F
R508	1-249-405-11	CARBON	100	5%	1/4W F	R613	1-249-419-11	CARBON	1.5K	5%	1/4W
R509	1-249-405-11	CARBON	100	5%	1/4W F	R614	1-249-431-11	CARBON	15K	5%	1/4W
R510	1-234-182-11 ENCAPSULATED COMPONENT 0.22X2 5W					R615	1-247-863-11	CARBON	22K	5%	1/4W
R511	1-247-847-11	CARBON	4.7K	5%	1/4W	R616	1-247-843-11	CARBON	3.3K	5%	1/4W
R512	1-240-855-81	CARBON	6.2K	5%	1/4W F	R617	1-249-431-11	CARBON	15K	5%	1/4W
R513	1-249-419-11	CARBON	1.5K	5%	1/4W	R618	1-247-863-11	CARBON	22K	5%	1/4W
R514	1-249-431-11	CARBON	15K	5%	1/4W	R619	1-247-863-11	CARBON	22K	5%	1/4W
R515	1-247-863-11	CARBON	22K	5%	1/4W	R620	1-249-439-11	CARBON	68K	5%	1/4W
R516	1-247-843-11	CARBON	3.3K	5%	1/4W	R621	1-249-393-11	CARBON	10	5%	1/4W F
R517	1-249-431-11	CARBON	15K	5%	1/4W	R622	1-247-871-11	CARBON	47K	5%	1/4W
R518	1-247-863-11	CARBON	22K	5%	1/4W	R623	1-249-389-11	CARBON	4.7	5%	1/4W F
						R624	1-249-404-00	CARBON	82	5%	1/4W F

MAIN POWER

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark			
R625	1-249-421-11	CARBON	2.2K	5%	1/4W	R803	1-249-389-11	CARBON	4.7	5%	1/4W	F
R651	1-247-831-11	CARBON	1K	5%	1/4W	R804	1-249-429-11	CARBON	10K	5%	1/4W	
R652	1-249-439-11	CARBON	68K	5%	1/4W	R806	1-247-863-11	CARBON	22K	5%	1/4W	
R653	1-249-421-11	CARBON	2.2K	5%	1/4W	R815	1-249-381-11	CARBON	1	5%	1/4W	F
R654	1-249-439-11	CARBON	68K	5%	1/4W	R816	1-249-381-11	CARBON	1	5%	1/4W	F
R655	1-249-421-11	CARBON	2.2K	5%	1/4W	R851	1-249-429-11	CARBON	10K	5%	1/4W	
R656	1-249-440-11	CARBON	82K	5%	1/4W	R852	1-249-429-11	CARBON	10K	5%	1/4W	
R657	1-249-414-11	CARBON	560	5%	1/4W	R853	1-249-429-11	CARBON	10K	5%	1/4W	
R658	1-249-405-11	CARBON	100	5%	1/4W F	R854	1-249-435-11	CARBON	33K	5%	1/4W	
R659	1-249-405-11	CARBON	100	5%	1/4W F	R855	1-247-887-00	CARBON	220K	5%	1/4W	
R660	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W		R856	1-247-895-00	CARBON	470K	5%	1/4W	
R661	1-247-847-11	CARBON	4.7K	5%	1/4W	R857	1-249-429-11	CARBON	10K	5%	1/4W	
R662	1-240-855-81	CARBON	6.2K	5%	1/4W F	△ R858	1-215-888-00	METAL OXIDE	220	5%	2W F	
R663	1-249-419-11	CARBON	1.5K	5%	1/4W	△ R858	1-215-890-11	METAL OXIDE	470	5%	2W F	(US,CND)
R664	1-249-431-11	CARBON	15K	5%	1/4W	△ R859	1-215-888-00	METAL OXIDE	220	5%	2W F	(AEP,UK)
R665	1-247-863-11	CARBON	22K	5%	1/4W	△ R859	1-216-453-00	METAL OXIDE	270	5%	2W F	(AEP,UK)
R666	1-247-843-11	CARBON	3.3K	5%	1/4W	R881	1-247-879-11	CARBON	100K	5%	1/4W	
R667	1-249-431-11	CARBON	15K	5%	1/4W	R882	1-249-429-11	CARBON	10K	5%	1/4W	
R668	1-247-863-11	CARBON	22K	5%	1/4W	R883	1-249-427-11	CARBON	6.8K	5%	1/4W	
R669	1-247-863-11	CARBON	22K	5%	1/4W	R884	1-249-436-11	CARBON	39K	5%	1/4W	
R670	1-249-439-11	CARBON	68K	5%	1/4W	R885	1-247-831-11	CARBON	1K	5%	1/4W	
R671	1-249-393-11	CARBON	10	5%	1/4W F	△ R910	1-243-635-11	FUSIBLE	0.33	5%	1/2W F	
R672	1-247-871-11	CARBON	47K	5%	1/4W	RR11	1-249-393-11	CARBON	10	5%	1/4W F	
R673	1-249-389-11	CARBON	4.7	5%	1/4W F	RR12	1-249-393-11	CARBON	10	5%	1/4W F	(AEP,UK)
R700	1-247-871-11	CARBON	47K	5%	1/4W	RR13	1-249-393-11	CARBON	10	5%	1/4W F	(AEP,UK)
R701	1-247-831-11	CARBON	1K	5%	1/4W	RR14	1-249-393-11	CARBON	10	5%	1/4W F	
R702	1-249-439-11	CARBON	68K	5%	1/4W	RR15	1-249-393-11	CARBON	10	5%	1/4W F	(AEP,UK)
R703	1-249-421-11	CARBON	2.2K	5%	1/4W							
R704	1-249-439-11	CARBON	68K	5%	1/4W							
R705	1-249-421-11	CARBON	2.2K	5%	1/4W							
R706	1-249-440-11	CARBON	82K	5%	1/4W							
R707	1-249-414-11	CARBON	560	5%	1/4W							
R708	1-249-405-11	CARBON	100	5%	1/4W F							
R709	1-249-405-11	CARBON	100	5%	1/4W F							
R710	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W								
R711	1-247-847-11	CARBON	4.7K	5%	1/4W							< RELAY >
R712	1-240-855-81	CARBON	6.2K	5%	1/4W F							
R713	1-249-419-11	CARBON	1.5K	5%	1/4W	RY501	1-755-416-12	RELAY				
R714	1-249-431-11	CARBON	15K	5%	1/4W	RY502	1-755-416-12	RELAY				
R715	1-247-863-11	CARBON	22K	5%	1/4W	RY551	1-755-416-12	RELAY				
R716	1-247-843-11	CARBON	3.3K	5%	1/4W	RY601	1-755-416-12	RELAY				
R717	1-249-431-11	CARBON	15K	5%	1/4W	RY701	1-755-416-12	RELAY				
R718	1-247-863-11	CARBON	22K	5%	1/4W	RY702	1-755-267-11	RELAY				
R719	1-247-863-11	CARBON	22K	5%	1/4W							
R720	1-249-439-11	CARBON	68K	5%	1/4W							< TERMINAL BOARD >
R721	1-249-393-11	CARBON	10	5%	1/4W F	TM601	1-694-785-11	TERMINAL BOARD (4P) (SPEAKERS FRONT B)				
R722	1-247-871-11	CARBON	47K	5%	1/4W	TM603	1-780-449-11	BANANA-PUSH TERMINAL BOARD (8P)				
R723	1-249-389-11	CARBON	4.7	5%	1/4W F	TM603	1-780-498-11	(SPEAKERS SURROUND,FRONT A) (AEP,UK)				
R724	1-249-404-00	CARBON	82	5%	1/4W F							
R725	1-247-807-31	CARBON	100	5%	1/4W							
R752	1-247-873-11	CARBON	56K	5%	1/4W							
R773	1-249-389-11	CARBON	4.7	5%	1/4W F							POWER BOARD
R780	1-247-847-11	CARBON	4.7K	5%	1/4W							*****
R782	1-247-879-11	CARBON	100K	5%	1/4W							
R783	1-247-879-11	CARBON	100K	5%	1/4W							< CONNECTOR >
R791	1-249-421-11	CARBON	2.2K	5%	1/4W	* CNP152	1-564-506-11	PLUG, CONNECTOR 3P				
R793	1-249-404-00	CARBON	82	5%	1/4W F							
R802	1-249-409-11	CARBON	220	5%	1/4W F							

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark									
< RESISTOR >																		
R130	1-249-415-11	CARBON	680	5%	1/4W	R905	1-249-381-11	CARBON	1	5%	1/4W F							
< SWITCH >																		
S120	1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B))				R911	1-247-871-11	CARBON	47K	5%	1/4W							
S153	1-771-410-21	SWITCH, TACTILE (I/O)				R912	1-249-435-11	CARBON	33K	5%	1/4W							

STANDBY BOARD																		

1-533-217-41 HOLDER, FUSE																		
< CAPACITOR >																		
C900	1-127-888-11	CERAMIC	0.1uF	10%	50V	C200	1-128-805-11	CERAMIC	47PF	5%	50V							
C901	1-135-798-11	CERAMIC	0.22uF		50V	C201	1-128-805-11	CERAMIC	47PF	5%	50V							
C902	1-135-798-11	CERAMIC	0.22uF		50V	C206	1-126-964-11	ELECT	10uF	20%	50V							
C911	1-135-798-11	CERAMIC	0.22uF		50V	C207	1-126-964-11	ELECT	10uF	20%	50V							
C912	1-135-798-11	CERAMIC	0.22uF		50V	C208	1-126-964-11	ELECT	10uF	20%	50V							
C913	1-126-959-11	ELECT	0.47uF	20%	50V	C210	1-126-964-11	ELECT	10uF	20%	50V							
C914	1-126-936-11	ELECT	3300uF	20%	16V	C213	1-126-934-11	ELECT	220uF	20%	16V							
C915	1-126-943-11	ELECT	2200uF	20%	25V	C214	1-164-159-11	CERAMIC	0.1uF		50V							
C916	1-126-942-61	ELECT	1000uF	20%	25V	C215	1-164-159-11	CERAMIC	0.1uF		50V							
< CONNECTOR >																		
* CNP801	1-564-510-11	PLUG, CONNECTOR 7P				C248	1-128-825-11	CERAMIC	0.0022uF	5%	50V							
CNP900	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P				C250	1-128-825-11	CERAMIC	0.0022uF	5%	50V							
* CNP903	1-564-506-11	PLUG, CONNECTOR 3P				C251	1-126-964-11	ELECT	10uF	20%	50V							
* CNP904	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P				C252	1-126-964-11	ELECT	10uF	20%	50V							
* CNP906	1-691-408-11	CONNECTOR, BOARD TO BOARD 7P				C253	1-126-964-11	ELECT	10uF	20%	50V							
< DIODE >																		
D901	8-719-991-33	DIODE	1SS133T-77			C255	1-126-964-11	ELECT	10uF	20%	50V							
D910	6-500-522-11	DIODE	10EDB40-TA2B5			C256	1-126-964-11	ELECT	10uF	20%	50V							
D911	6-500-522-11	DIODE	10EDB40-TA2B5			C257	1-127-888-11	CERAMIC	0.1uF	10%	50V							
D912	6-500-522-11	DIODE	10EDB40-TA2B5			C258	1-126-947-11	ELECT	47uF	20%	35V							
D913	6-500-522-11	DIODE	10EDB40-TA2B5			C259	1-127-888-11	CERAMIC	0.1uF	10%	50V							
D914	8-719-991-33	DIODE	1SS133T-77			C260	1-126-947-11	ELECT	47uF	20%	35V							
D915	8-719-991-33	DIODE	1SS133T-77			C809	1-126-934-11	ELECT	220uF	20%	16V							
D920	6-500-522-11	DIODE	10EDB40-TA2B5			C825	1-164-159-11	CERAMIC	0.1uF		50V							
D921	6-500-522-11	DIODE	10EDB40-TA2B5			C826	1-164-159-11	CERAMIC	0.1uF		50V							
D922	6-500-522-11	DIODE	10EDB40-TA2B5			< CONNECTOR >												
D923	6-500-522-11	DIODE	10EDB40-TA2B5			* CNP156	1-564-506-11	PLUG, CONNECTOR 3P										
< GROUND TERMINAL >						CNS251	1-784-774-11	CONNECTOR, FFC 13P										
G901	1-537-738-21	TERMINAL, GROUND				< IC >												
< TRANSISTOR >																		
Q901	8-729-119-78	TRANSISTOR	2SC2785-HFE			IC203	8-759-333-84	IC	NJM2279D									
Q911	8-729-119-78	TRANSISTOR	2SC2785-HFE			IC251	6-707-363-01	IC	NJM2586AL									
< RESISTOR >																		
▲ R810	1-243-634-91	FUSIBLE	0.22	5%	1/2W F	IC804	8-759-245-79	IC	TA79005S									
▲ R812	1-243-634-91	FUSIBLE	0.22	5%	1/2W F	IC807	8-759-231-53	IC	TA7805S									
< JACK >																		
J201	1-815-043-11	JACK, PIN 2P	VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)			J202	1-794-978-11	JACK, PIN 3P	(SAT VIDEO IN, DVD VIDEO IN,VIDEO 1 VIDEO OUT)									
R903	1-247-871-11	CARBON	47K	5%	1/4W	J251	1-816-592-11	JACK, PIN 9P	(COMPONENT VIDEO SAT IN,DVD IN,MONITOR OUT)									
R904	1-247-847-11	CARBON	4.7K	5%	1/4W													

VIDEO

<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>
< RESISTOR >							
R200	1-247-804-11	CARBON	75	5%	1/4W		
R201	1-247-804-11	CARBON	75	5%	1/4W	1-480-097-11	STANDARD COMMANDER (RM-AAU013) (including BATTERY LID)
R218	1-247-804-11	CARBON	75	5%	1/4W	1-501-374-12	ANTENNA, LOOP (AM)
R220	1-247-804-11	CARBON	75	5%	1/4W	1-501-807-12	ANTENNA (FM) (AEP,UK)
R221	1-247-804-11	CARBON	75	5%	1/4W	1-542-670-11	MEASUREMENT MIC (MONO) (ECM-AC2)
R250	1-247-804-11	CARBON	75	5%	1/4W	1-770-019-61	ADAPTOR, CONVERSION PLUG (UK)
R251	1-247-804-11	CARBON	75	5%	1/4W		
R252	1-247-804-11	CARBON	75	5%	1/4W	1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM) (US,CND)
R253	1-247-831-11	CARBON	1K	5%	1/4W	2-894-570-61	EASY SETUP GUIDE (GREEK) (AEP)
R254	1-247-831-11	CARBON	1K	5%	1/4W	2-894-570-71	EASY SETUP GUIDE (TURKISH) (AEP)
R255	1-247-831-11	CARBON	1K	5%	1/4W	2-894-570-81	EASY SETUP GUIDE (HUNGARIAN,CZECH) (AEP)
R256	1-247-804-11	CARBON	75	5%	1/4W	2-894-570-91	EASY SETUP GUIDE (SLOVAKIAN) (AEP)
R257	1-247-804-11	CARBON	75	5%	1/4W		
R258	1-247-804-11	CARBON	75	5%	1/4W	2-898-429-11	MANUAL, INSTRUCTION (ENGLISH)
R259	1-247-804-11	CARBON	75	5%	1/4W	2-898-429-21	MANUAL, INSTRUCTION (FRENCH) (CND,AEP)
R260	1-247-804-11	CARBON	75	5%	1/4W	2-898-429-31	MANUAL, INSTRUCTION (SPANISH) (AEP)
R261	1-247-804-11	CARBON	75	5%	1/4W	2-898-429-41	MANUAL, INSTRUCTION (GERMAN,DUTCH, SWEDISH) (AEP)

MISCELLANEOUS							

57	1-832-060-11	CABLE, FLEXIBLE FLAT (25 CORE)				2-898-429-61	MANUAL, INSTRUCTION (DANISH,FINNISH) (AEP)
101	1-828-953-11	WIRE (FLAT TYPE) (9 CORE) (US,CND)				2-898-429-71	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)
101	1-828-963-11	WIRE (FLAT TYPE) (11 CORE) (AEP,UK)				2-898-429-81	MANUAL, INSTRUCTION (RUSSIAN) (AEP)
102	1-828-971-11	WIRE (FLAT TYPE) (13 CORE)				3-097-046-41	MANUAL, INSTRUCTION (GREEK) (AEP)
△105	1-777-071-83	CORD, POWER (AEP,UK)				3-097-046-51	MANUAL, INSTRUCTION (TURKISH) (AEP)
△105	1-783-820-11	CORD, POWER (US,CND)				3-097-046-61	MANUAL, INSTRUCTION (HUNGARIAN,CZECH) (AEP)
△F901	1-532-464-33	FUSE (T2.5AL/250V) (AEP,UK)				3-097-046-71	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)
△F901	1-533-454-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/125V) (US,CND)					
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q553	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q554	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
△T901	1-439-550-21	TRANSFORMER, POWER (MAIN) (AEP,UK)					
△T901	1-439-583-11	TRANSFORMER, POWER (MAIN) (US,CND)					
TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA) (US,CND)					
TN1	1-693-737-11	TUNER (FM/AM) (ANTENNA) (AEP,UK)					

ACCESSORIES							

MEMO

REVISION HISTORY

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