

STR-DG300

SERVICE MANUAL

AEP Model

Ver. 1.0 2006. 06



Photo: Black type

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Theater Systems, Inc.

SPECIFICATIONS

Amplifier section

Stereo Power Output ¹⁾, Reference Power Output ^{1) 2)}
8 ohms 20 Hz – 20 kHz, THD 0.09 %

90 W + 90 W, 110 W/ch
8 ohms 1 kHz, THD 0.7 % 105 W + 105 W, 120 W/ch
8 ohms 1 kHz, THD 10 % 130 W + 130 W, 160 W/ch

1) Measured under the following conditions:
230 V AC, 50 Hz

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

Frequency response

Analog	10 Hz – 70 kHz
	+0.5/-2 dB (with sound field and tone bypassed)

Inputs

Analog

Sensitivity: 500 mV/
50 kohms
S/N ³⁾ : 96 dB
(A, 500 mV ⁴⁾)

Digital (Coaxial)

Impedance: 75 ohms
S/N: 100 dB

Digital (Optical)

(A, 20 kHz LPF)
S/N: 100 dB
(A, 20 kHz LPF)

Output (Analog)

AUDIO OUT
SUB WOOFER

Voltage: 500 mV/10 kohms
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.

– Continued on next page –

FM STEREO/FM-AM RECEIVER

9-887-325-01

2006F04-1

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Sony Corporation

Home Audio Division

Published by Sony Techno Create Corporation

SONY®

STR-DG300

FM tuner section

Tuning range	87.5 – 108.0 MHz
Intermediate frequency	10.7 MHz
Useable sensitivity	11.2 dBf, 1 µV/75 ohms
S/N	
Mono/Stereo	76 dB/70 dB
Harmonic distortion at 1 kHz	
Mono/Stereo	0.3%/0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz, +0.5/–2 dB

AM tuner section

Tuning range	
With 9-kHz tuning scale:	531 – 1,602 kHz
Intermediate frequency	450 kHz
Usable sensitivity	50 dBµ/m (at 1,000 kHz or 999 kHz)

General

Power requirements	230 V AC, 50/60 Hz
Power consumption	220 W
Power consumption (during standby mode)	0.2 W
AC outlets	1 switched, 100 W/0.4A MAX
Dimensions (w/h/d) (Approx.)	
	430 × 157.5 × 316 mm including projecting parts and controls
Mass (Approx.)	7.5 kg

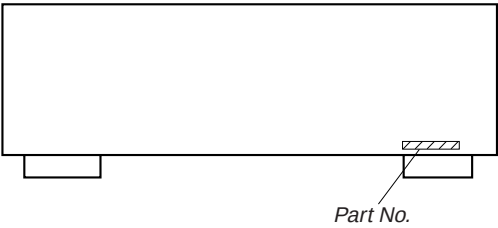
Supplied accessories

- FM wire antenna (1)
- AM loop antenna (1)
- Remote commander RM-AAU007 (1)
- R6 (size-AA) batteries (2)

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION

— BACK PANEL —



MODEL	PART No.
AEP	2-665-982-0□

SAFETY-RELATED COMPONENT WARNING!!

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

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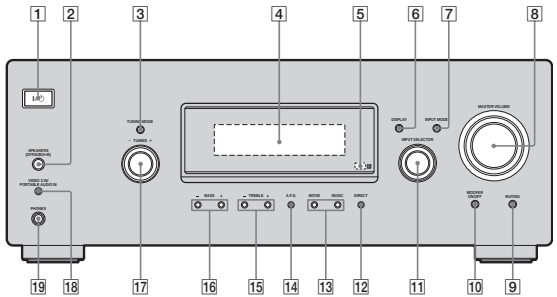
6. ELECTRICAL PARTS LIST 41

This section is extracted
from instruction manual.

Getting Started

Description and location of parts

Front panel

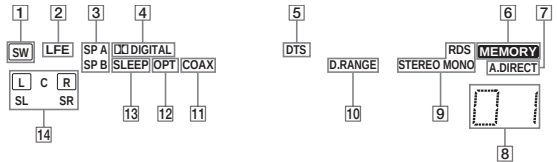


Name	Function
1 M	Press to turn the receiver on or off (page 19, 23, 24, 32, 34).
2 SPEAKERS (OFF/I/B/A+B)	Press to select the speaker system (page 20).
3 TUNING MODE	Press to select the tuning mode (page 33, 36).
4 Display	The current status of the selected component or a list of selectable items appears here (page 6).
5 Remote sensor	Receives signals from remote commander.
6 DISPLAY	Press to select information displayed on the display (page 37, 38).

Name	Function
7 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks (page 38).
8 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time (page 21, 22, 23, 24).
9 MUTE	Press to mute the sound (page 22).
10 WOOFER ON/OFF	Press to turn the sub woofer on or off.
11 INPUT SELECTOR	Turn to select the input source to playback (page 22, 23, 24, 31, 33, 36, 38, 39).
12 DIRECT	Press to listen to high quality analog sound (page 31).

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About the indicators on the display



Name	Function
1 SW	Lights up when you press WOOFER ON/OFF on the receiver to turn on the sub woofer 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 a headphone is connected.
4 DIGITAL	Lights up when Dolby Digital signals are input. 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 38).
5 DTS	Lights up when DTS signals are input. 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 38).
6 MEMORY	Lights up when a memory function, such as Preset Memory (page 35), etc., is activated.

Name	Function
7 A.DIRECT	Lights up when ANALOG DIRECT is selected (page 31).
8 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 35.
9 Tuner indicators	Lights up when using the receiver to tune in radio stations (page 32), etc.
10 D.RANGE	Lights up when dynamic range compression is activated (page 27).
11 COAX	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to "COAX IN" (page 38).
12 OPT	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to "OPT IN" (page 38).
13 SLEEP	Lights up when the sleep timer is activated (page 39).

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Name	Function
13 MOVIE, MUSIC	Press to select sound fields for movie or music (page 29).
14 A.F.D.	Press to select A.F.D. mode (page 29).
15 TREBLE +/-	Press to adjust the treble level of the front speakers (page 28).
16 BASS +/-	Press to adjust the bass level of the front speakers (page 28).
17 TUNING +/-	Turn to scan a station (page 33, 35).
18 VIDEO 3 IN/ PORTABLE AUDIO IN jack	To connect a portable audio such as MP3 player, etc. (page 15, 22).
19 PHONES jack	Connects to a headphone (page 43).

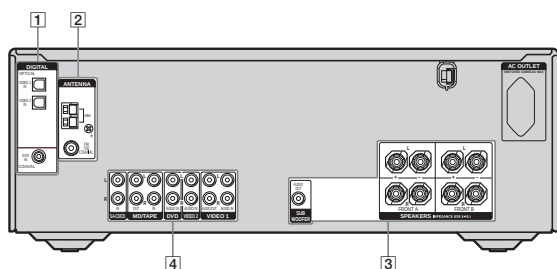
Getting Started

Name	Function
14 Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around L and R show the receiver downmixes the source sound to 2 channels. L Front Left R Front Right C Center (monaural) SL Surround Left SR Surround Right Example: Recording format (Front/ Surround): 3/2.1 Sound Field: A.F.D. AUTO

Getting Started

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Rear panel



1 DIGITAL INPUT section

	OPTICAL IN jack	Connects to a DVD player, etc. The COAXIAL jack provides a better quality of loud sound (page 15).
	COAXIAL IN jack	

2 ANTENNA section

	FM ANTENNA	Connects to the FM wire antenna supplied with this receiver (page 18).
	AM ANTENNA	Connects to the AM loop antenna supplied with this receiver (page 18).

3 SPEAKER section

		Connects to speakers (page 13).
		Connects to sub woofer (page 13).

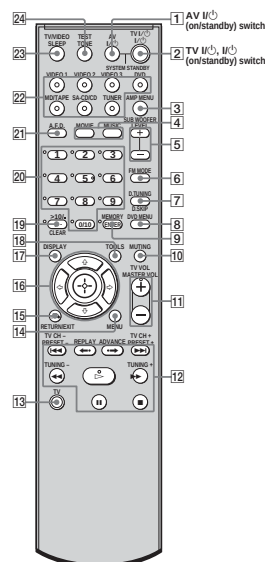
4 AUDIO INPUT/OUTPUT section

	White (L) AUDIO IN/OUT jack	Connects to an MD deck or VCR, etc. (page 15, 16).
	Red (R)	

Remote commander

You can operate the receiver with the supplied remote. You can also use the remote to control the Sony audio/video components that the remote is assigned to operate (page 40).

RM-AAU007



Name	Function
1 AV I/O (on/standby) switch	Press to turn on or off the Sony audio/video components that the remote is assigned to operate (page 40). 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 (23).
2 TV I/O (on/standby) switch	Press TV I/O and TV (13) at the same time to turn the TV on or off.
I/O	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 AMP MENU	Press to display the menu of the receiver. Then, use the control buttons to perform menu operations.
4 MOVIE, MUSIC	Press to select sound fields for movie or music.
5 SUB WOOFER LEVEL +/-	Press to adjust the sub woofer level.
6 FM MODE	Press to select FM monaural or stereo reception.
7 D.TUNING	Press to enter direct tuning mode.
D.SKIP	Press to skip disc of the CD player or DVD player (multi-disc changer only).
8 DVD MENU	Press to display the menu of the DVD player on the TV screen. Then, use the control buttons to perform menu operations.
9 ENTER	Press to enter the value after selecting a channel, disc or track using the numeric buttons.
MEMORY	Press to store a station.

continued

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8

Name	Function
10 MUTING	Press to mute the sound.
11 TV VOL +/-	Press TV VOL +/- and TV (13) at the same time to adjust the TV volume level.
MASTER VOL +/-	Press to adjust the volume level of all speakers at the same time.
12 << >>	Press to skip tracks of the CD player, DVD player, MD deck, or tape deck.
REPLAY <- / ADVANCE ->	Press to replay the previous scene or fast forward the current scene of the VCR or DVD player.
<< / >>	Press to - search tracks in the forward/backward direction of the DVD player. - fast forward/rewind of the VCR, CD player, MD deck, or tape deck.
> a)	Press to start playback of the VCR, CD player, DVD player, MD deck, or tape deck.
II	Press to pause playback or recording of the VCR, CD player, DVD player, MD deck, or tape deck. (Also starts recording with components in recording standby.)
■	Press to stop playback of the VCR, CD player, DVD player, MD deck, or tape deck.
TV CH +/-	Press TV CH +/- and TV (13) at the same time to select preset TV channels.
PRESET +/-	Press to select - preset stations. - preset channels of the VCR or satellite tuner.
TUNING +/-	Press to scan a station.
13 TV	To activate the buttons with orange printing, press TV and the button with orange printing simultaneously.

Name	Function
14 MENU	Press to display the menus of the VCR, DVD player, or satellite tuner on the TV screen. Then, use the control buttons to perform menu operations.
15 RETURN/EXIT	Press to - return to the previous menu. - exit the menu while the menu or on-screen guide of the DVD player, or satellite tuner is displayed on the TV screen.
16 Control buttons	After pressing AMP MENU (3), DVD MENU (8), or MENU (14), press the control button <•••> or <•••> to select the settings. When you press DVD MENU or MENU, press the control button to enter the selection.
17 DISPLAY	Press to select information displayed on the TV screen of the VCR, satellite tuner, CD player, DVD player, or MD deck.
18 TOOLS	Press to display 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).
19 -/-	Press -/- and TV (13) at the same time to select the channel entry mode, either one or two digits of the TV.
>10+	Press to select - track numbers over 10 of the VCR, satellite tuner, CD player or MD deck. - channel numbers of the Digital CATV terminal.
CLEAR	Press to - clear a mistake when you press the incorrect numeric button. - return to continuous playback, etc. of the satellite tuner or DVD player.

Name	Function
20 Numeric buttons (number 5 ^{a)})	Press to - preset/tune to preset stations. - select track numbers of the CD player, DVD player or MD deck. 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 A.F.D.	Press to select A.F.D. mode.
22 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 steps in "Changing button assignments" on page 40.
Button	Assigned Sony component
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 2)
VIDEO 3	Not assigned
DVD	DVD player
MD/TAPE	MD deck
SA-CD/CD	Super Audio CD/CD player
TUNER	Built-in tuner
23 TV/VIDEO	Press TV/VIDEO 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.
24 TEST TONE	Press to activate the Test Tone function.

^{a)}The number 5, MASTER VOL +, TV VOL +, and > 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.

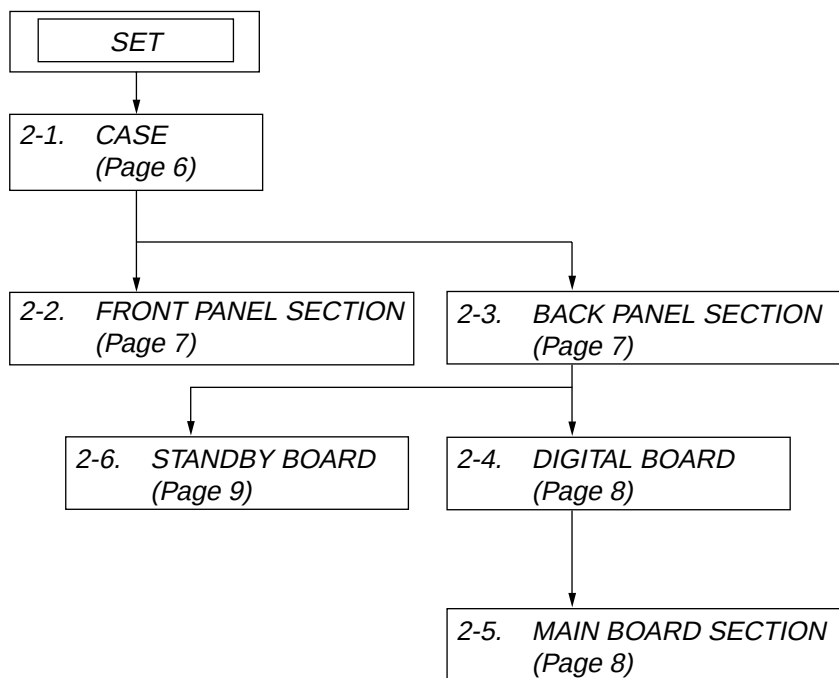
Getting Started

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11

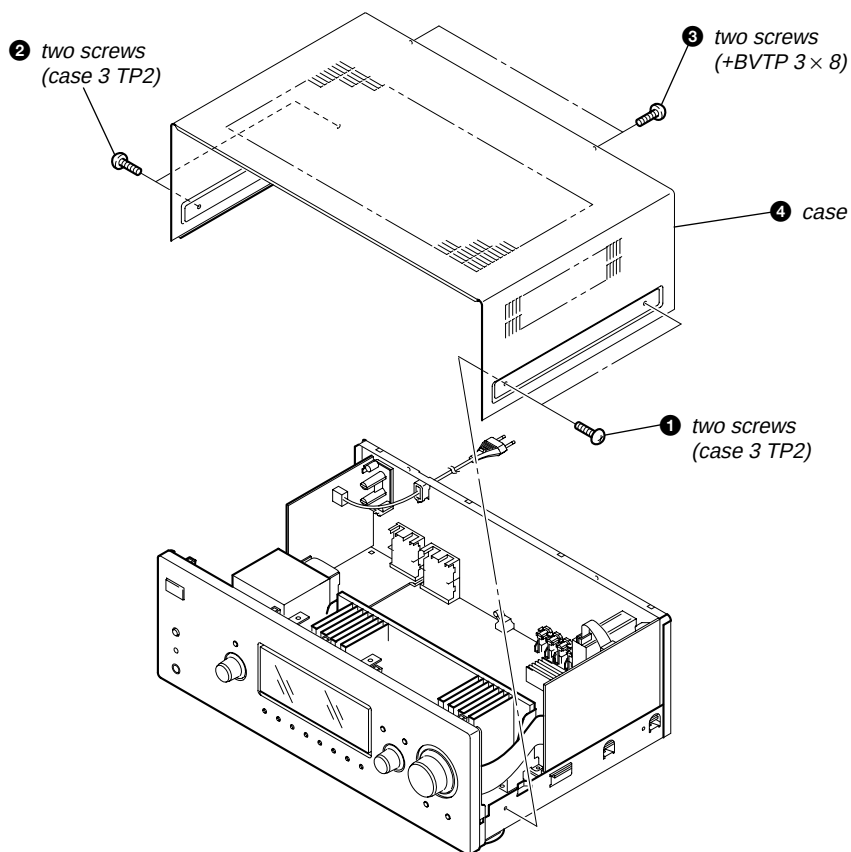
SECTION 2 DISASSEMBLY

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

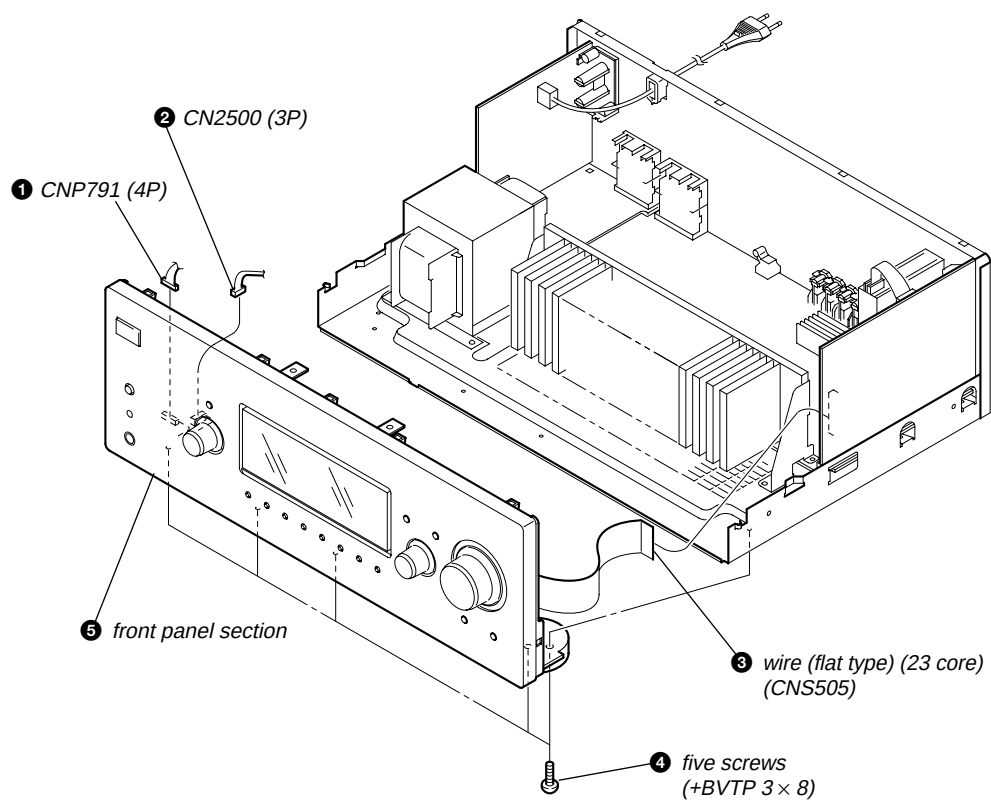


Note : Follow the disassembly procedure in the numerical order given.

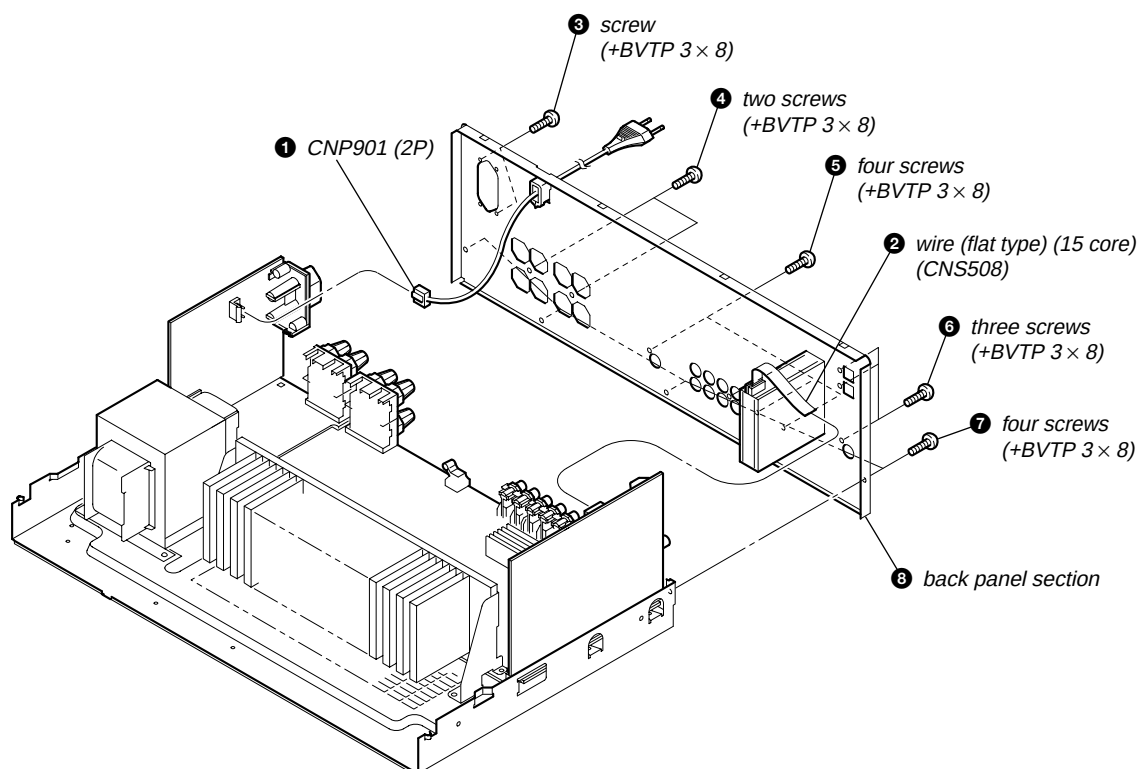
2-1. CASE



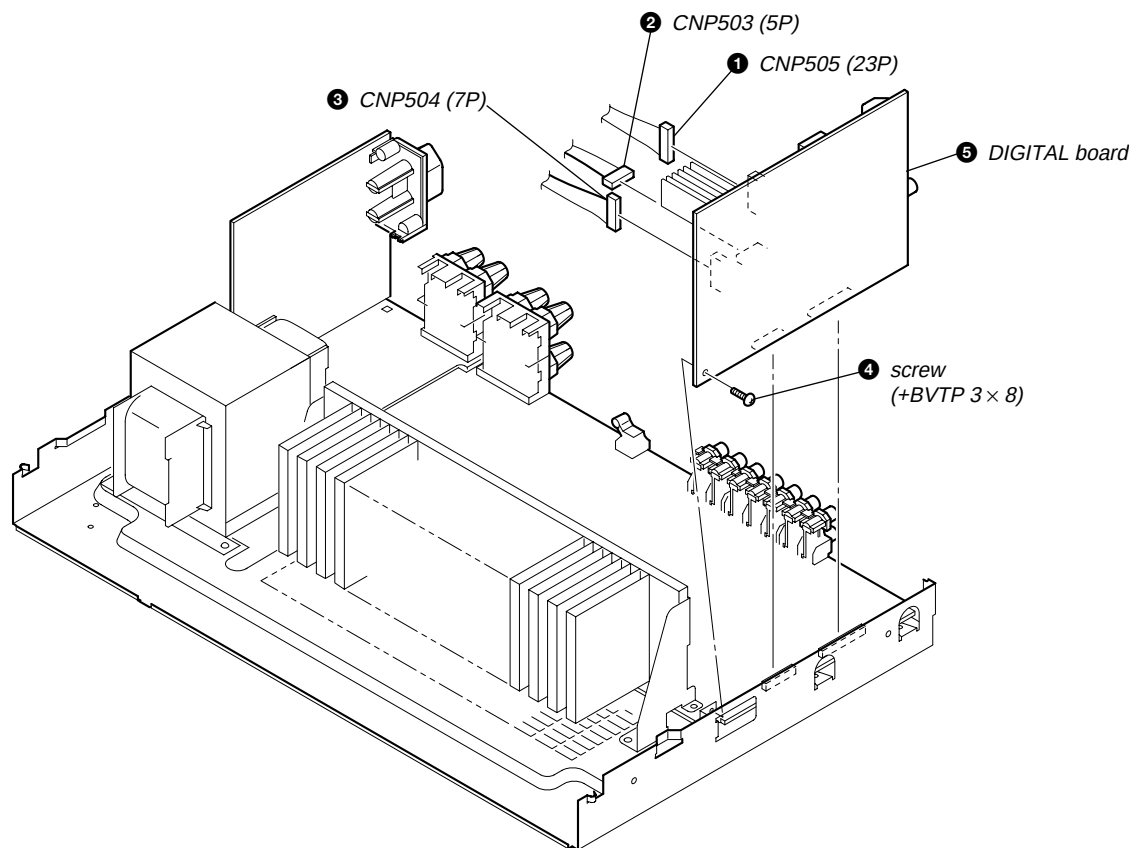
2-2. FRONT PANEL SECTION



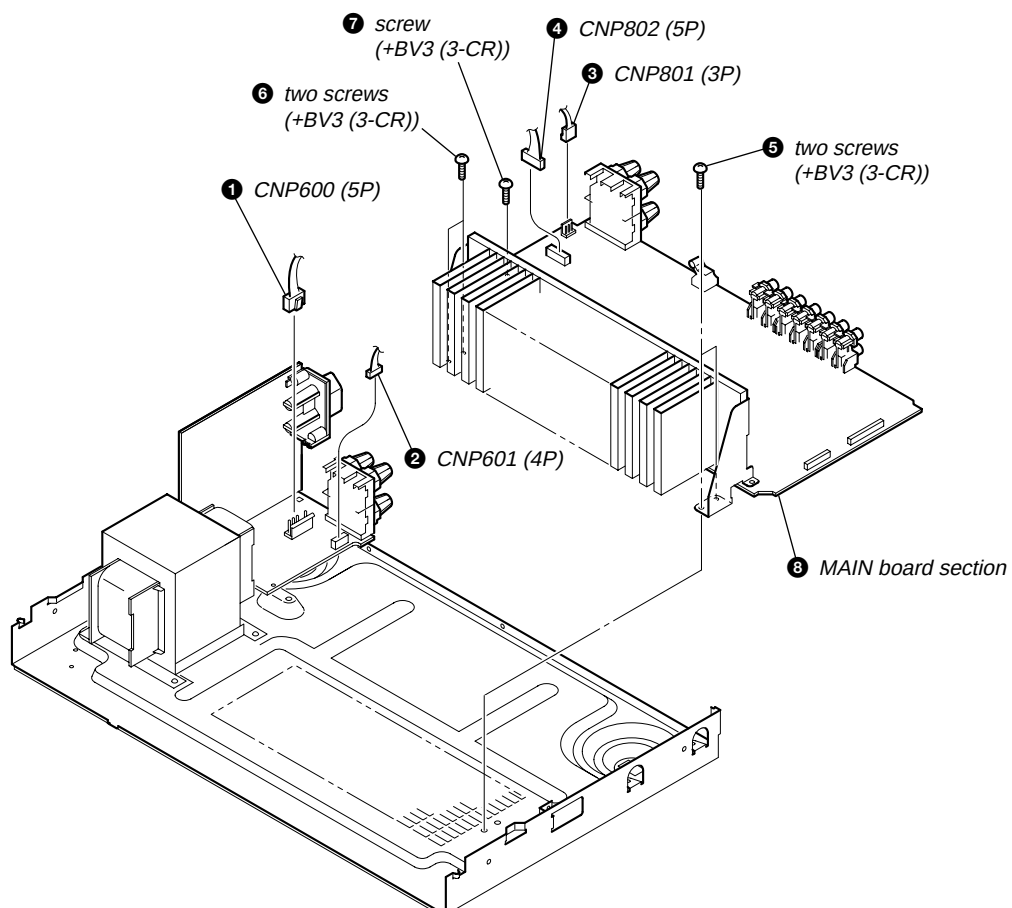
2-3. BACK PANEL SECTION



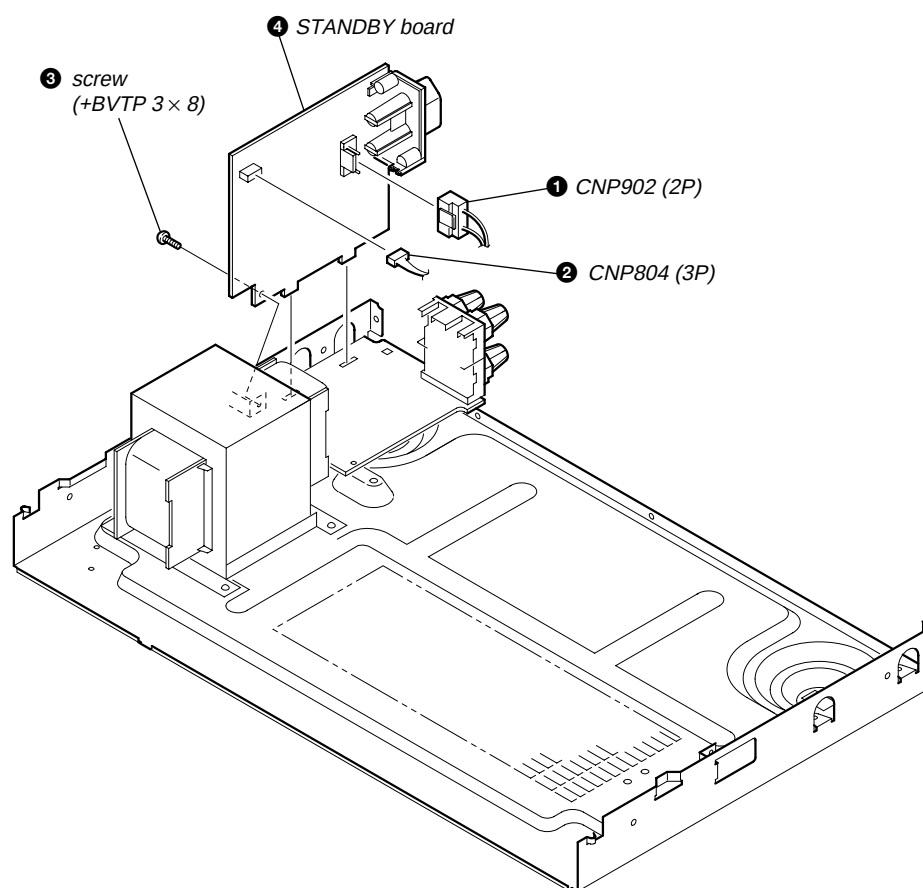
2-4. DIGITAL BOARD



2-5. MAIN BOARD SECTION



2-6. STANDBY BOARD



SECTION 3 TEST MODE

FACTORY PRESET MODE

* All preset contents are reset to the default setting.

* Procedure:

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

The message “FACTORY” appears for a moment and the present contents are reset to the default values.

VACUUM FLUORESCENT DISPLAY TEST MODE

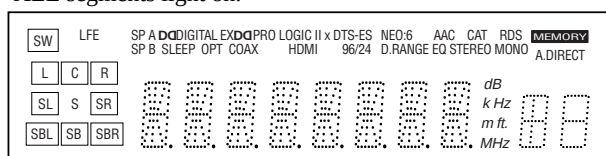
* All fluorescent segments are tested.

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

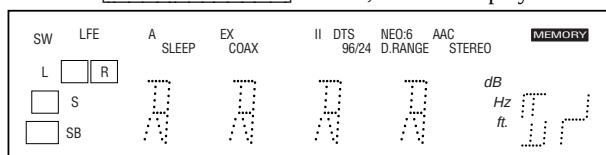
* Procedure:

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

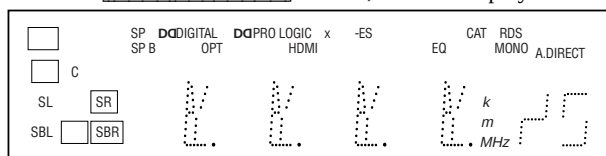
1. ALL segments light on.



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



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



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

SOUND FIELD CLEAR MODE

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

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

* Procedure:

While depressing the **[A.F.D.]** button, press the **[I/⏻]** button to turn on the main power.

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

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.

* Procedure:

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

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

KEY CHECK MODE

* Button check

* Procedure:

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

Either the message “REST 14” appears.

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

AUTOBETICAL MODE

* When this mode is used, the receiver scans the broadcasts that can be received by the tuner, and sets up the broadcasts.

Be sure to start scanning after connecting the antenna.

* Procedure:

Check that the antenna is connected.

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

The message “AUTO-BETICAL SELECT” appears for a moment and the receiver starts scanning.

COMMAND MODE SELECTION MODE

* The command mode (AV1 or AV2) of the remote commander can be selected.

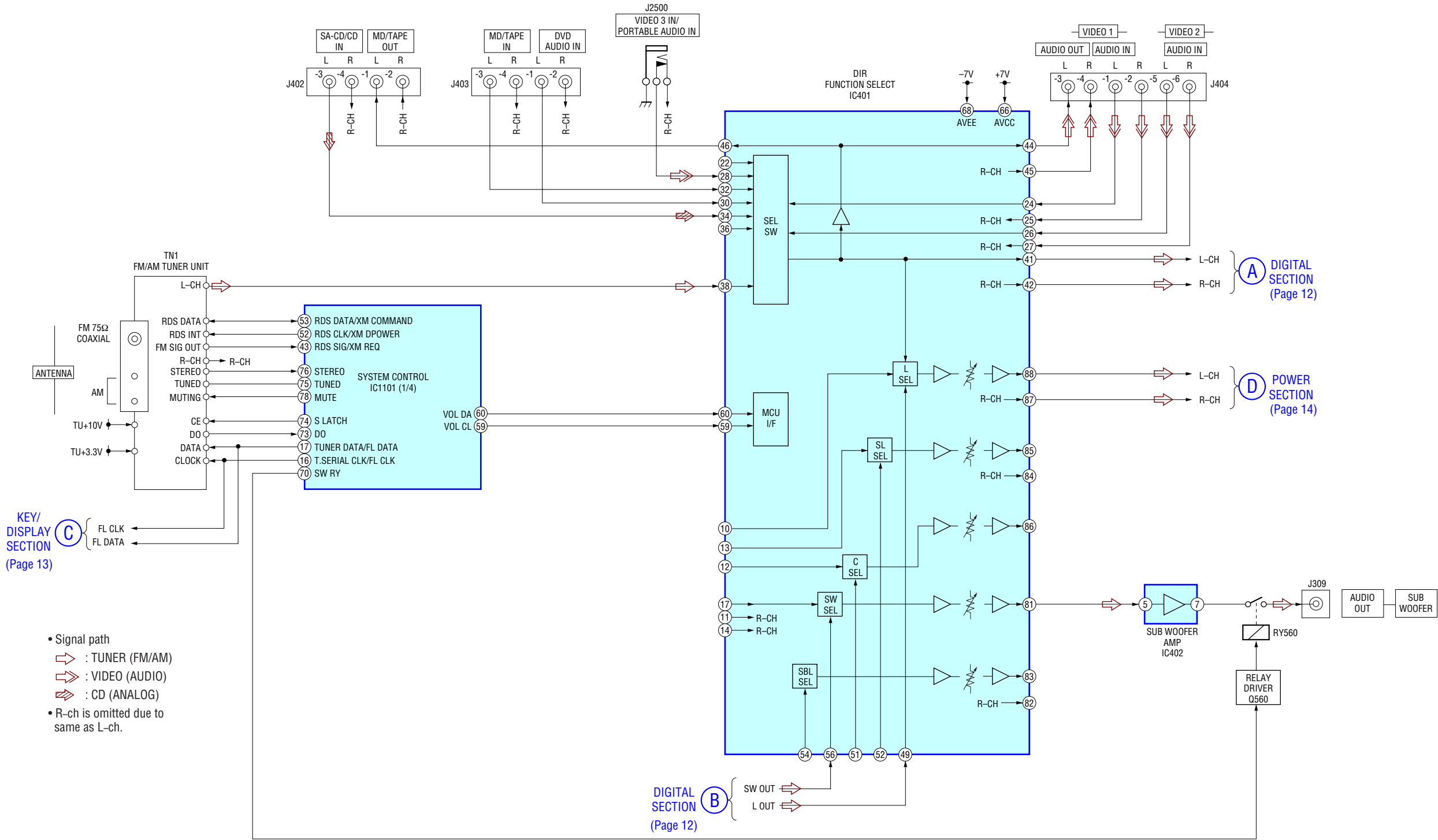
* Procedure:

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

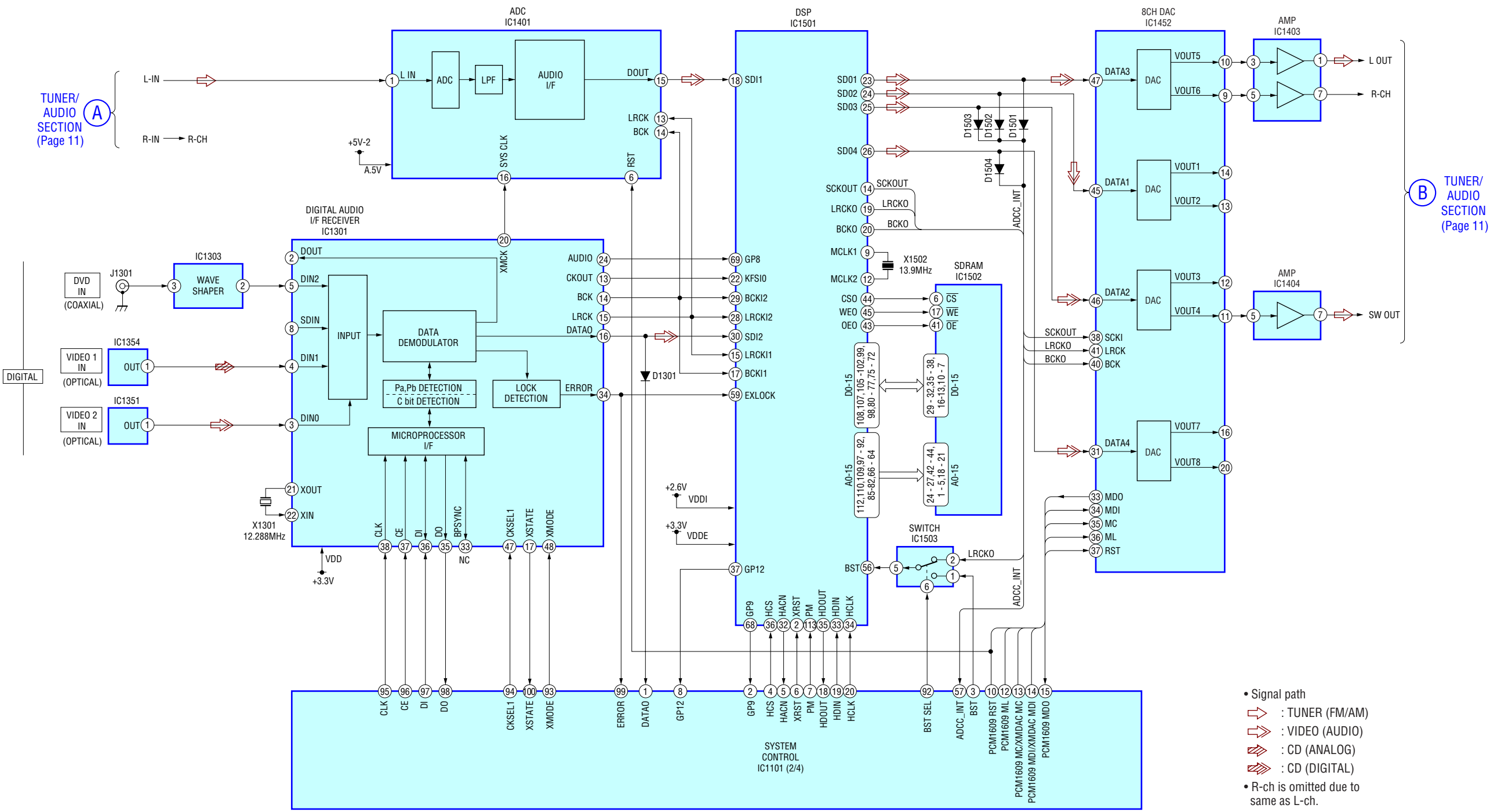
Either the message “C.MODE.AV 1” or “C.MODE.AV 2” appears for a moment and select the desired mode.

SECTION 4
DIAGRAMS

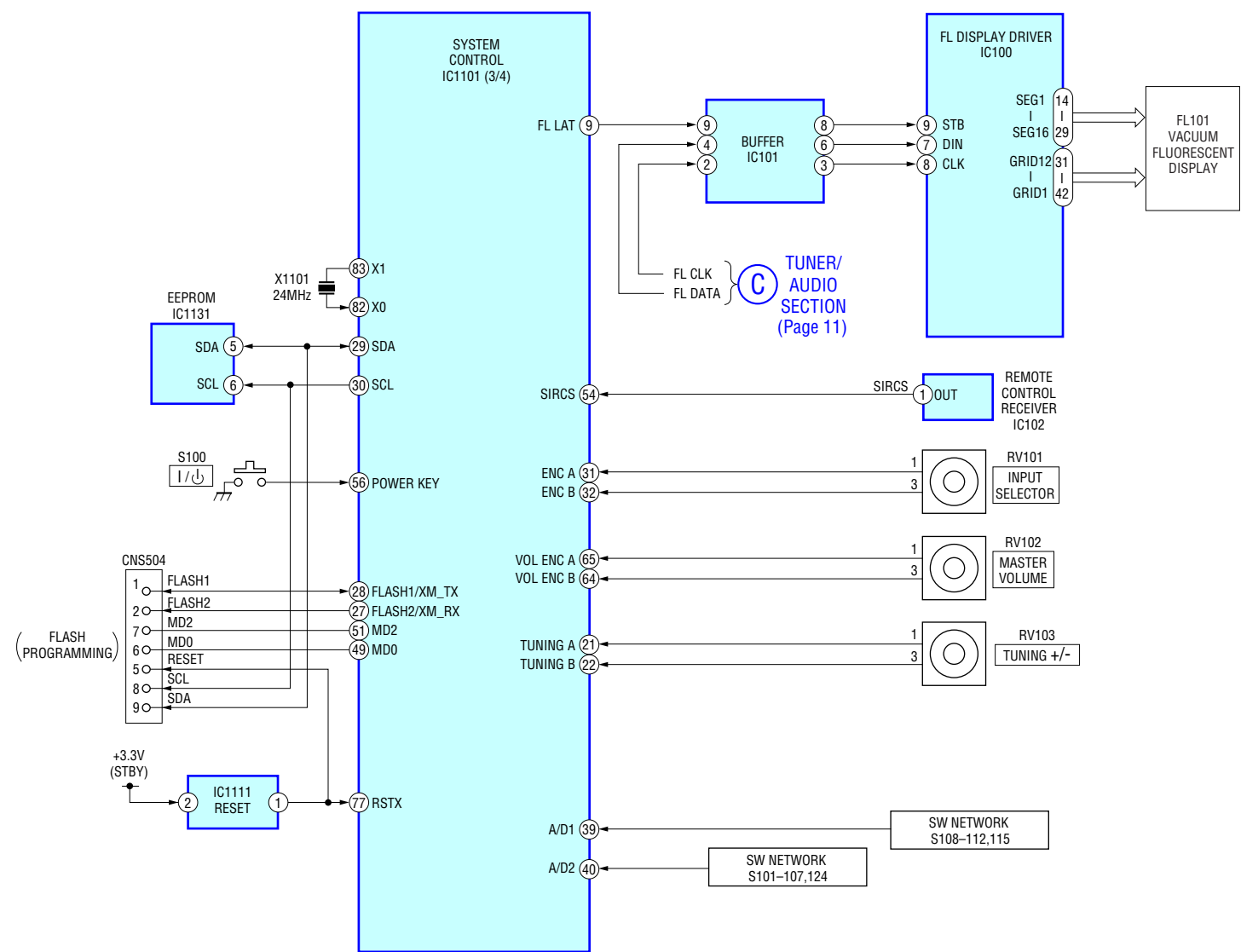
4-1. BLOCK DIAGRAM — TUNER/AUDIO SECTION —



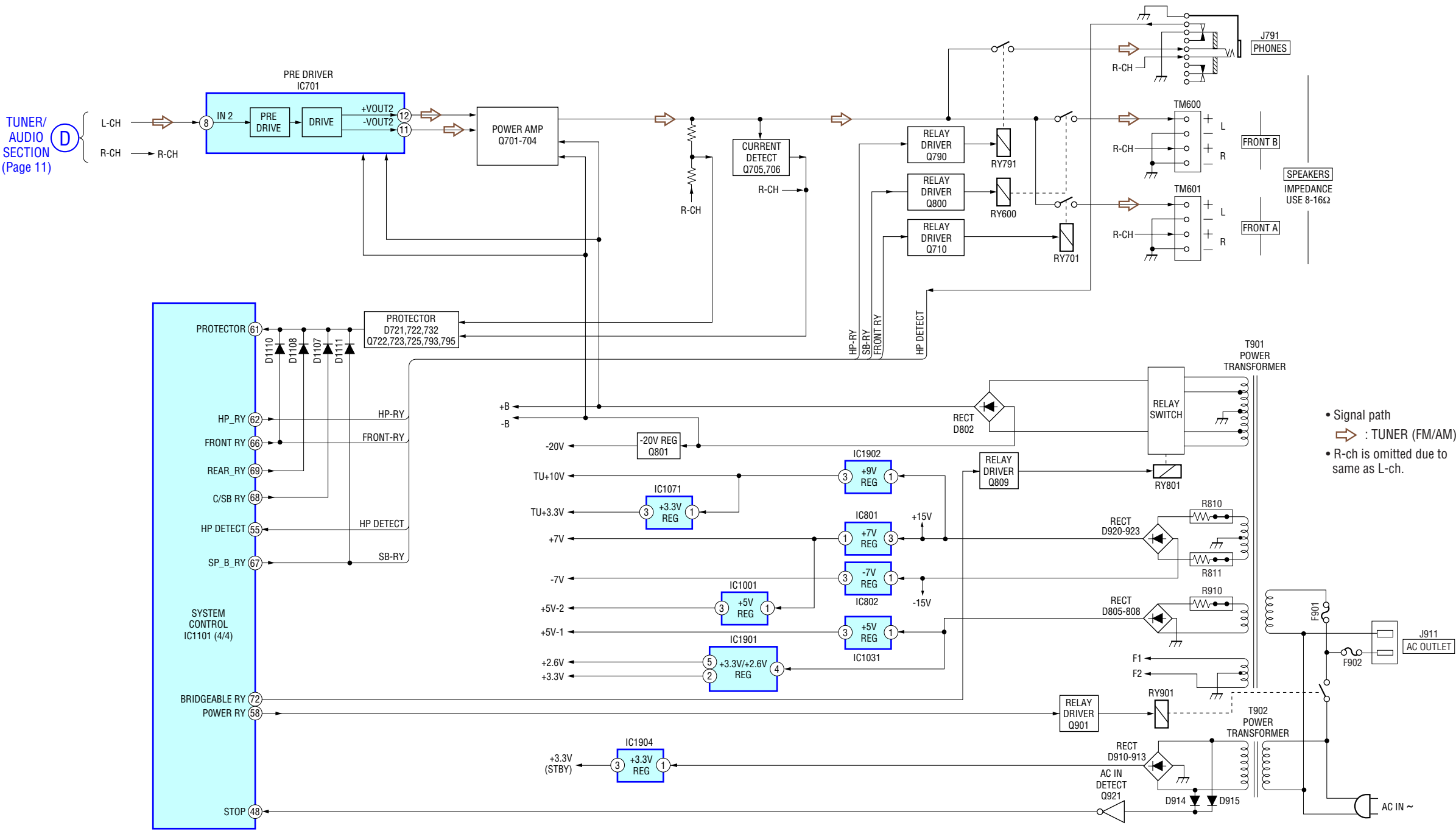
4-2. BLOCK DIAGRAM — DIGITAL SECTION —



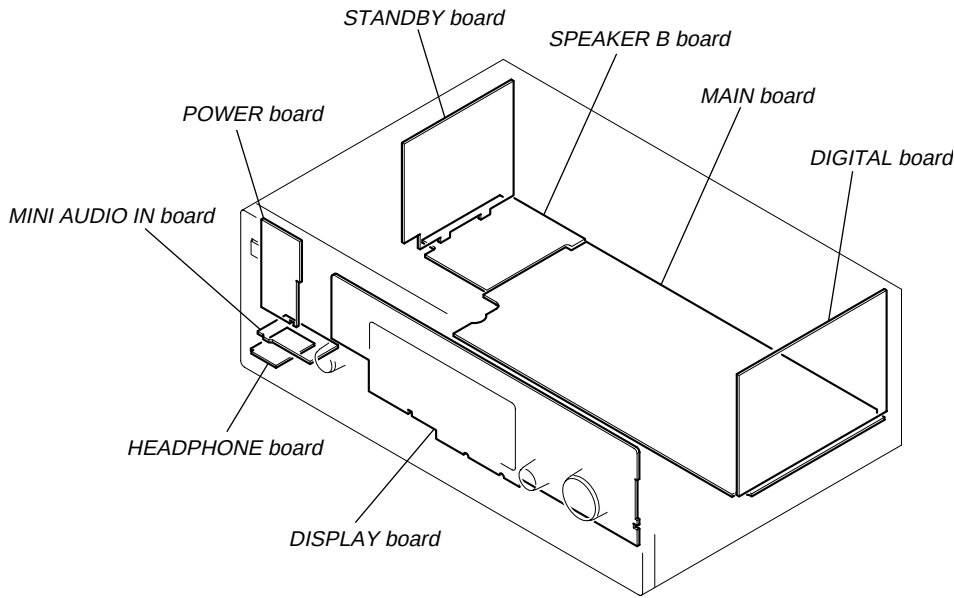
4-3. BLOCK DIAGRAM — KEY/DISPLAY SECTION —



4-4. BLOCK DIAGRAM — POWER SECTION —



4-5. CIRCUIT BOARDS LOCATION



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

for schematic diagram:

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

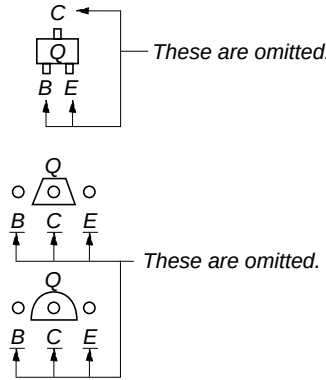
Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

-  : B+ Line.
-  : B- Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : FM
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with 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
 -  : CD (ANALOG)
 -  : CD (DIGITAL)

for printed wiring boards:

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

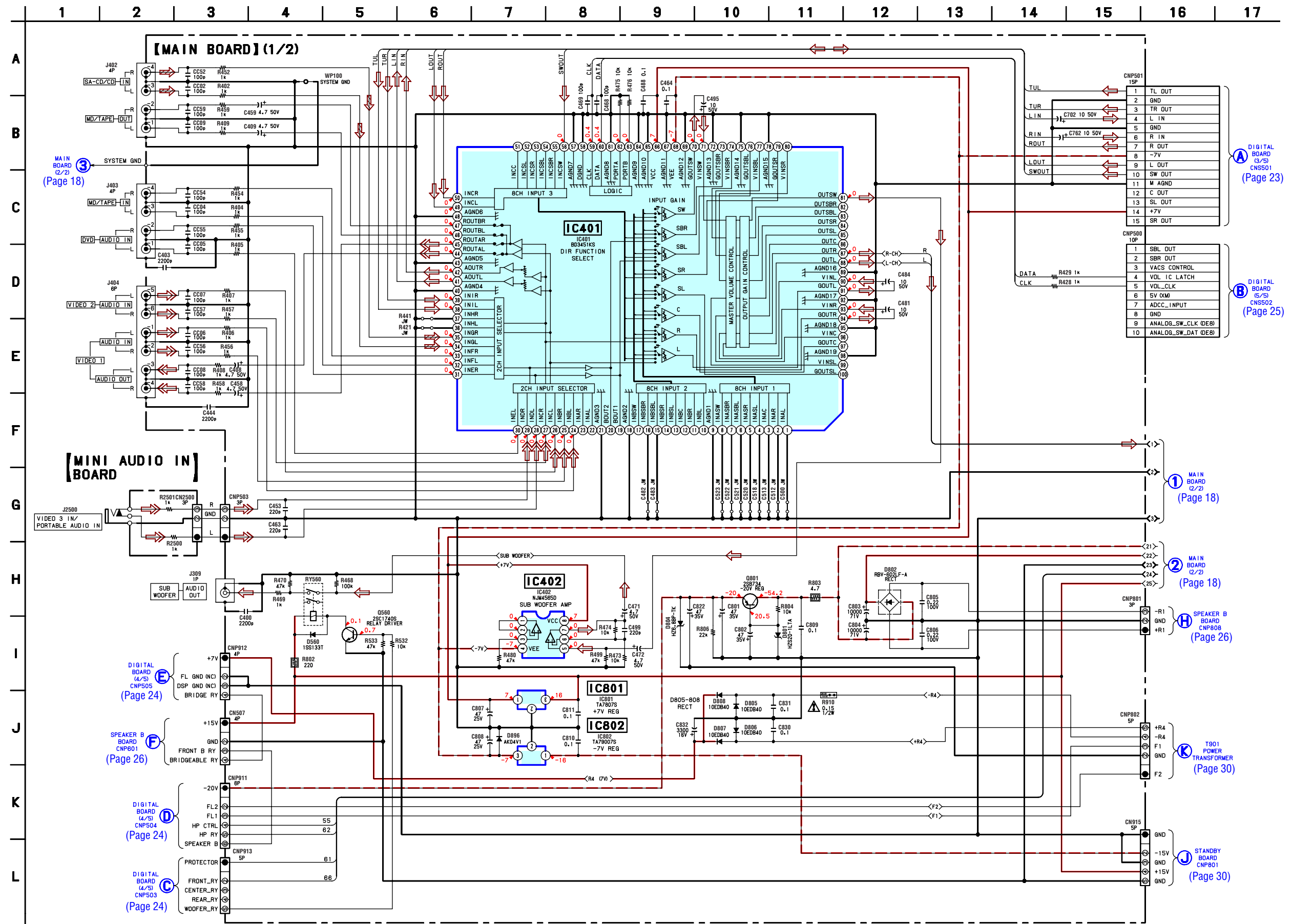
Caution:
Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.
Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.



1	2	3	4	5	6	7	8	9	10	11	12	13
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16

4-7. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) —



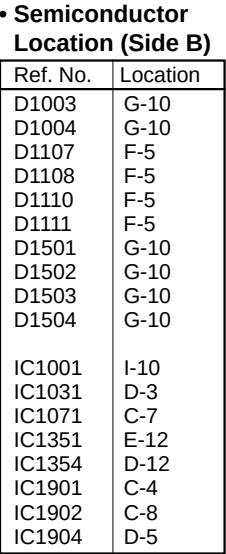
18



19

19

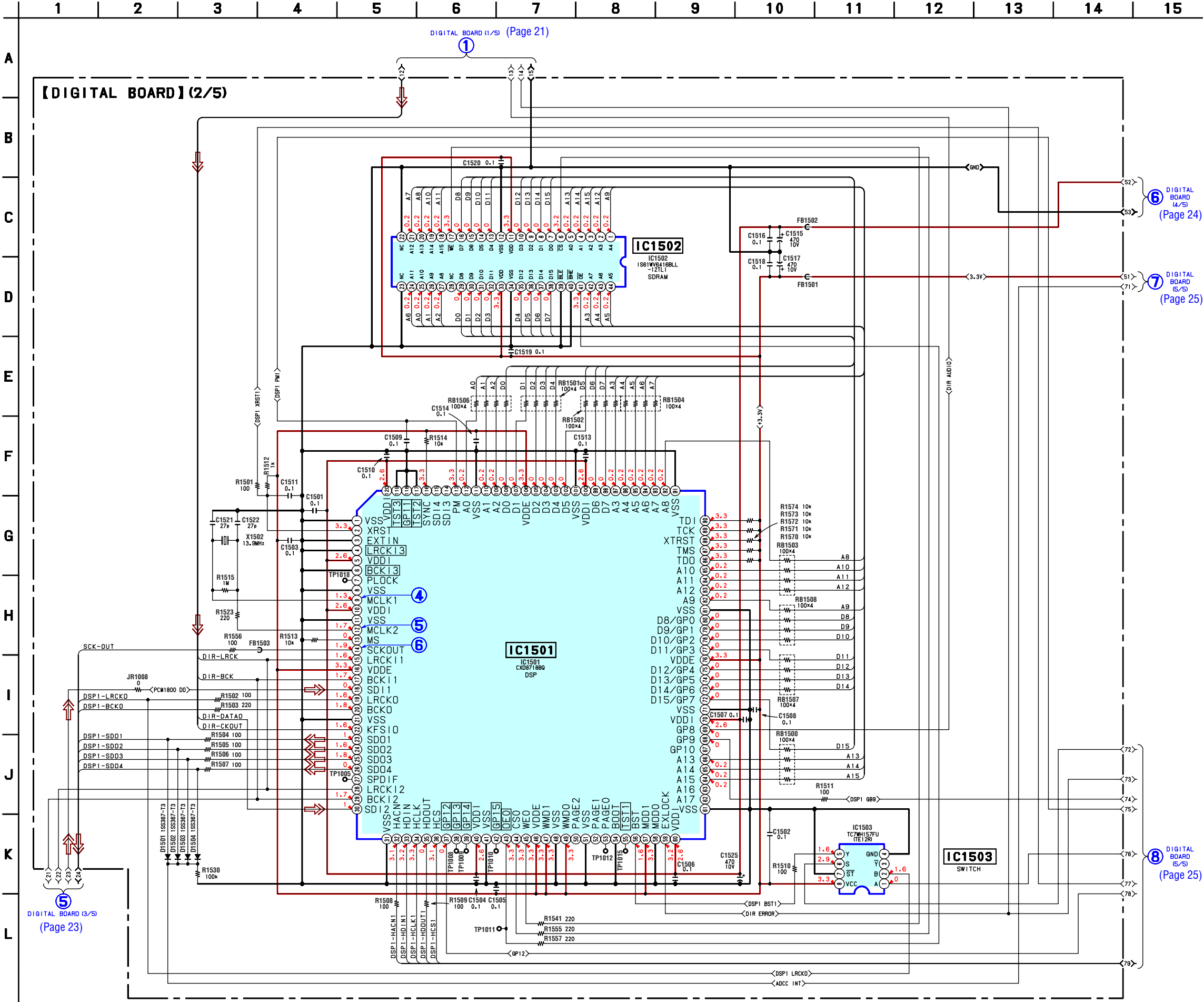
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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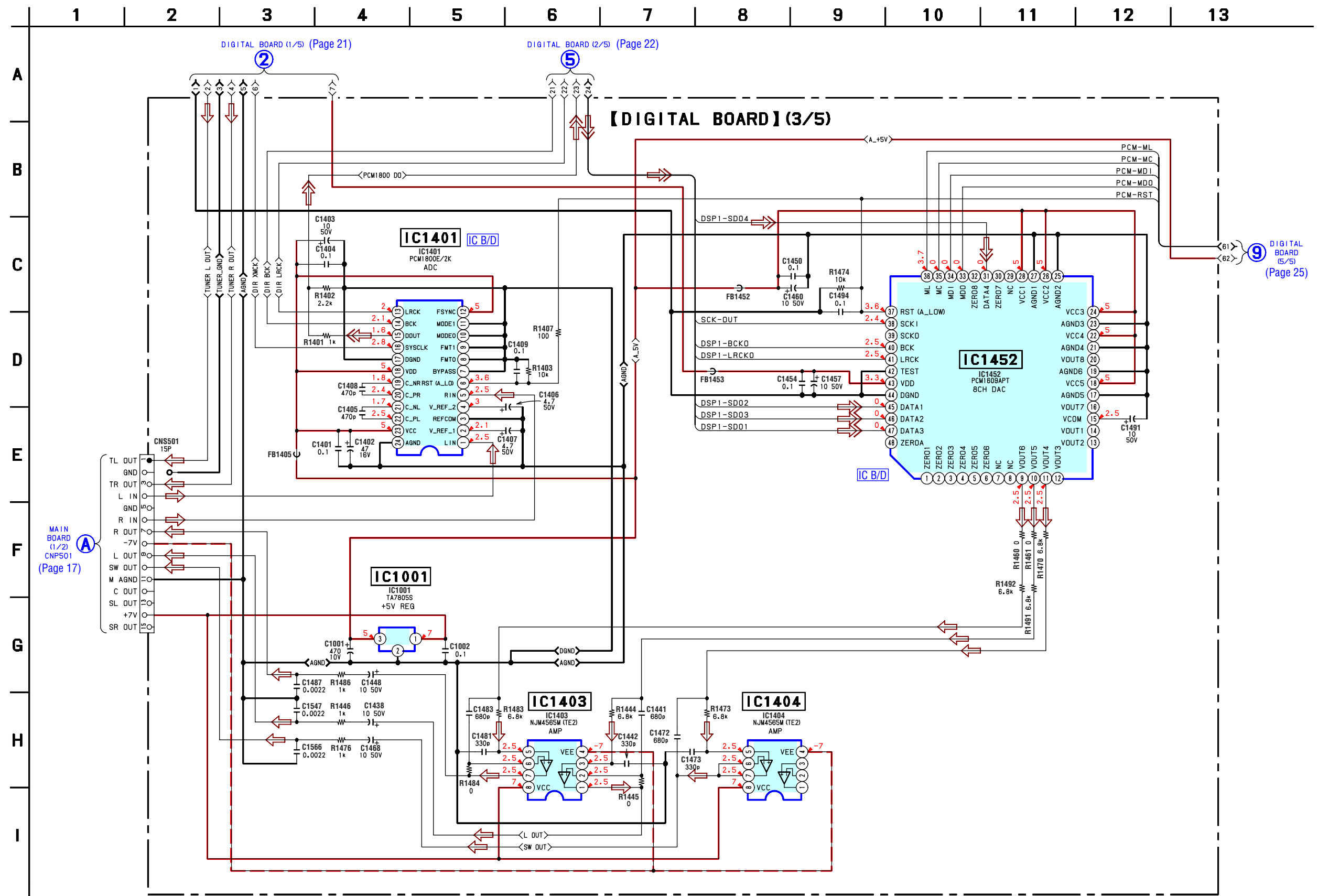
21



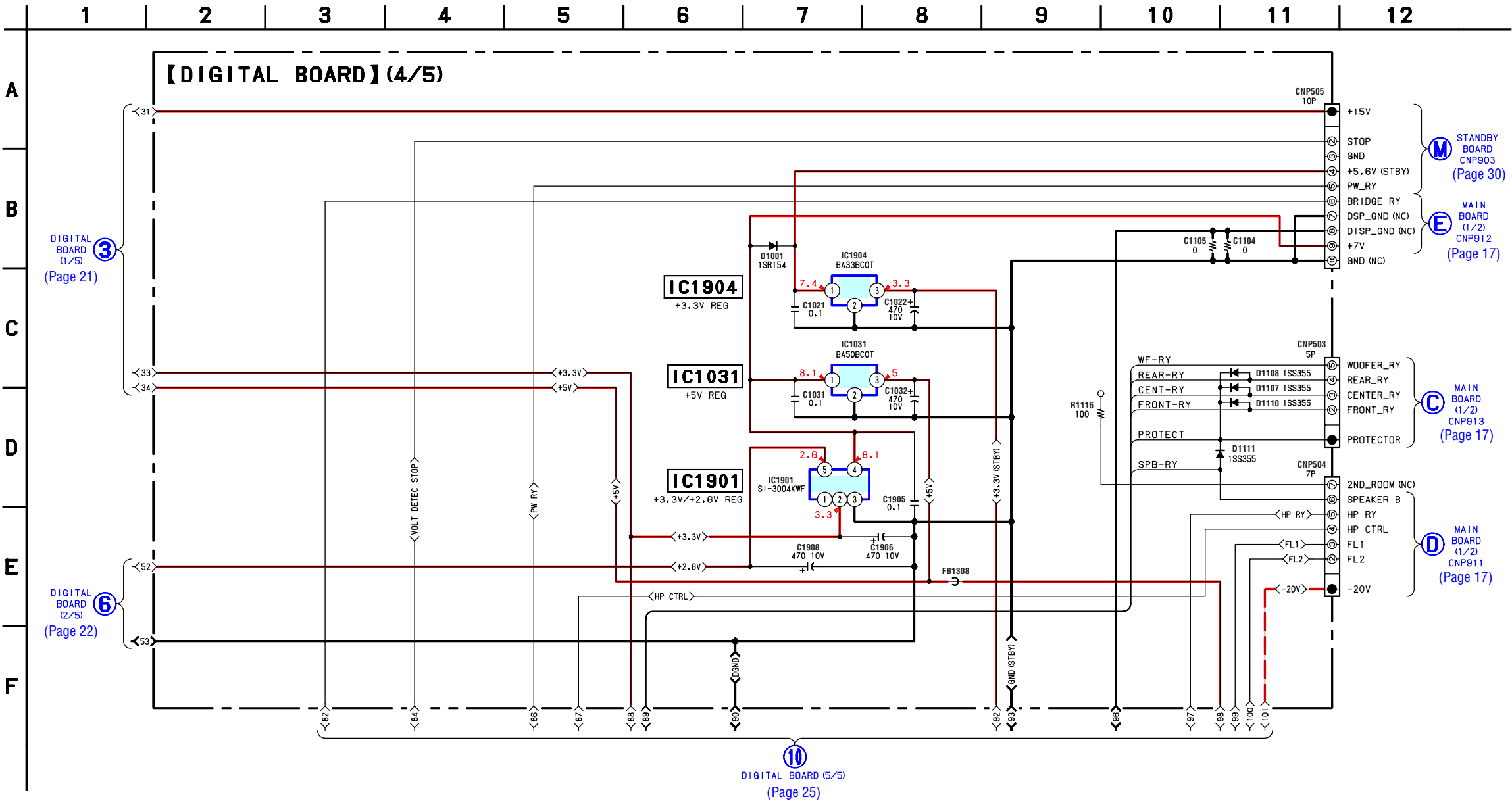
4-12. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/5) — • Refer to page 31 for Waveforms and page 34 for IC Pin Descriptions.



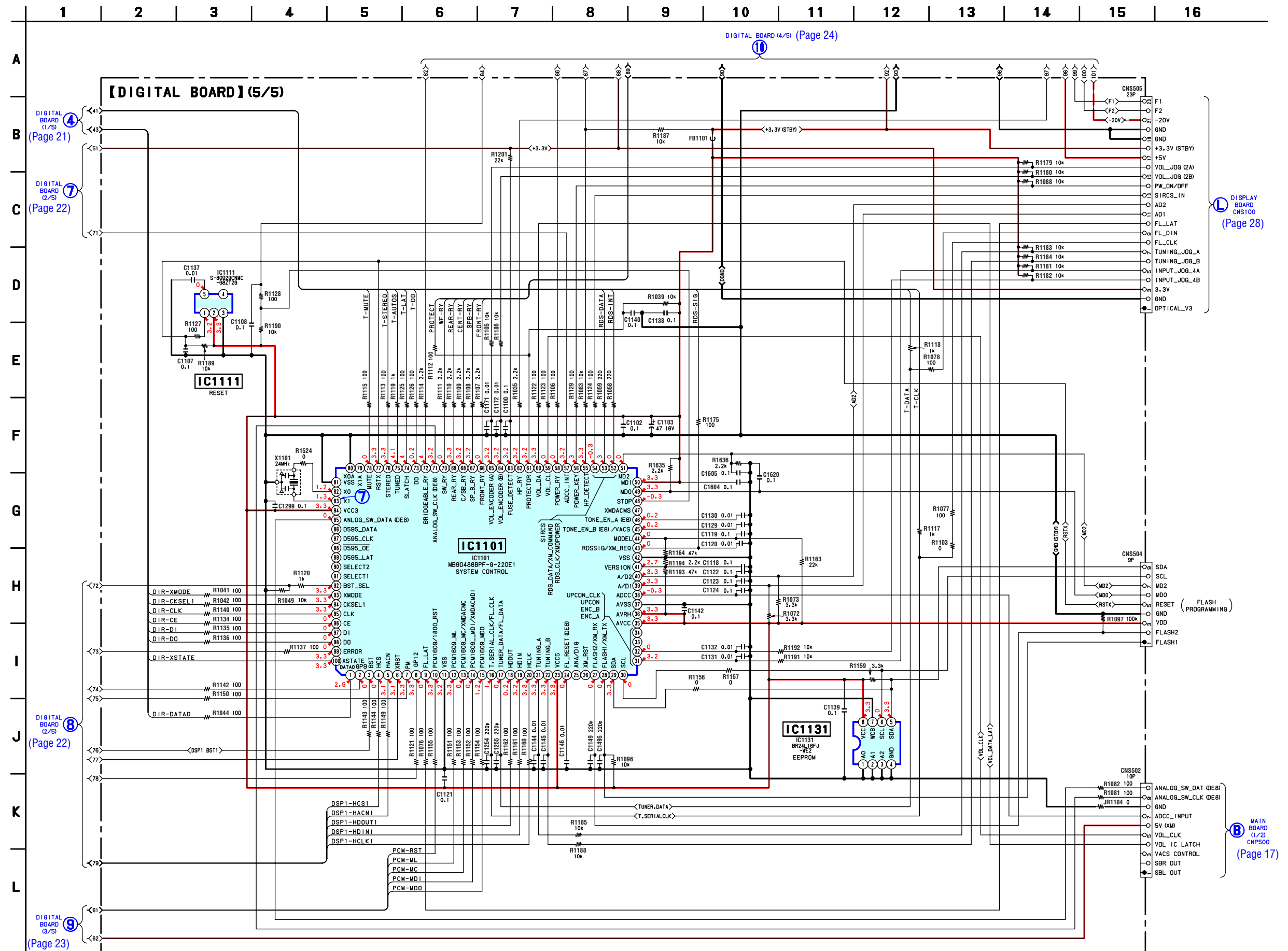
4-13. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/5) — • Refer to page 33 for IC Block Diagrams.



4-14. SCHEMATIC DIAGRAM — DIGITAL SECTION (4/5) —

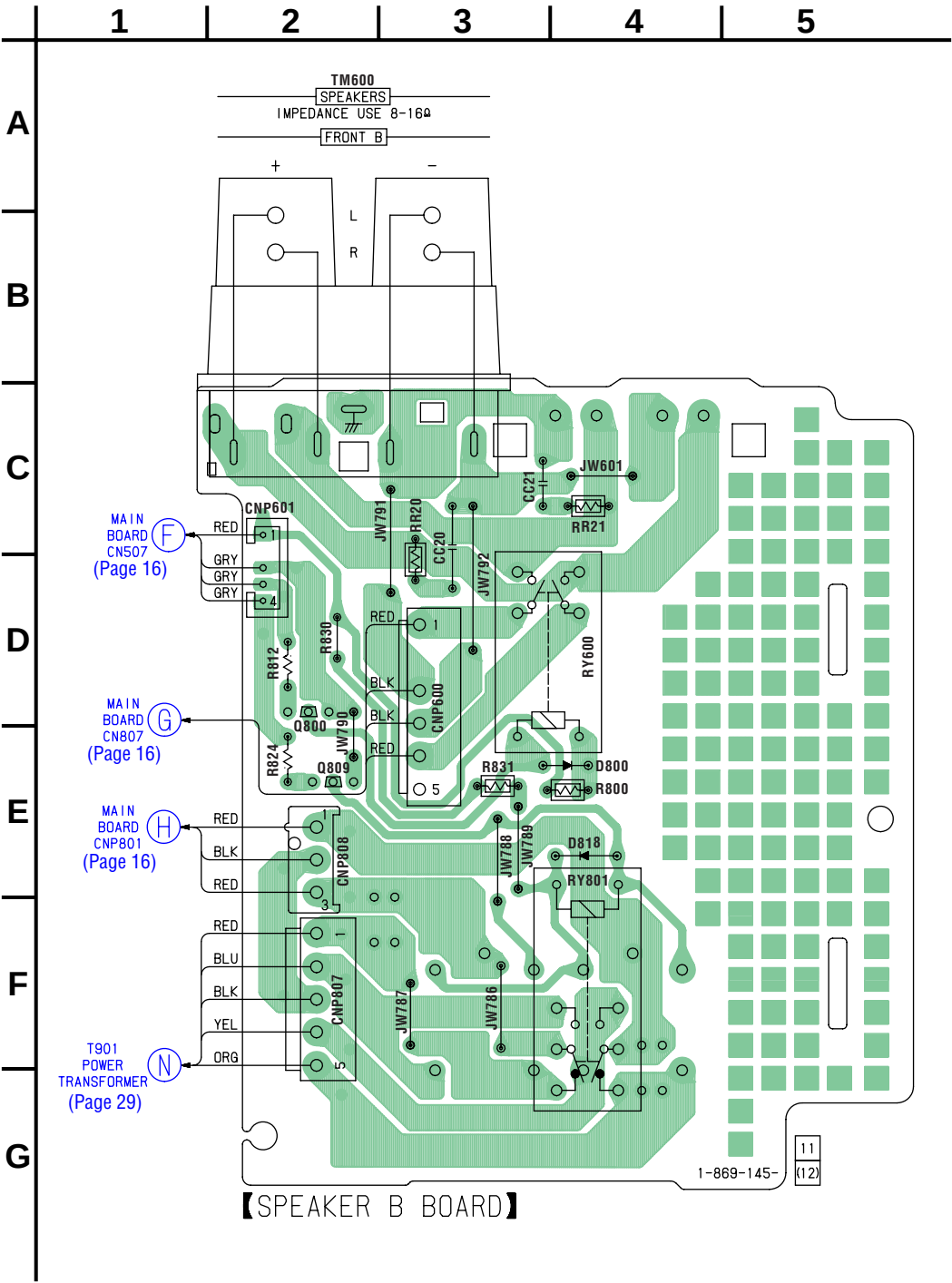


4-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (5/5) — • Refer to page 31 for Waveforms and page 36 for IC Pin Descriptions.

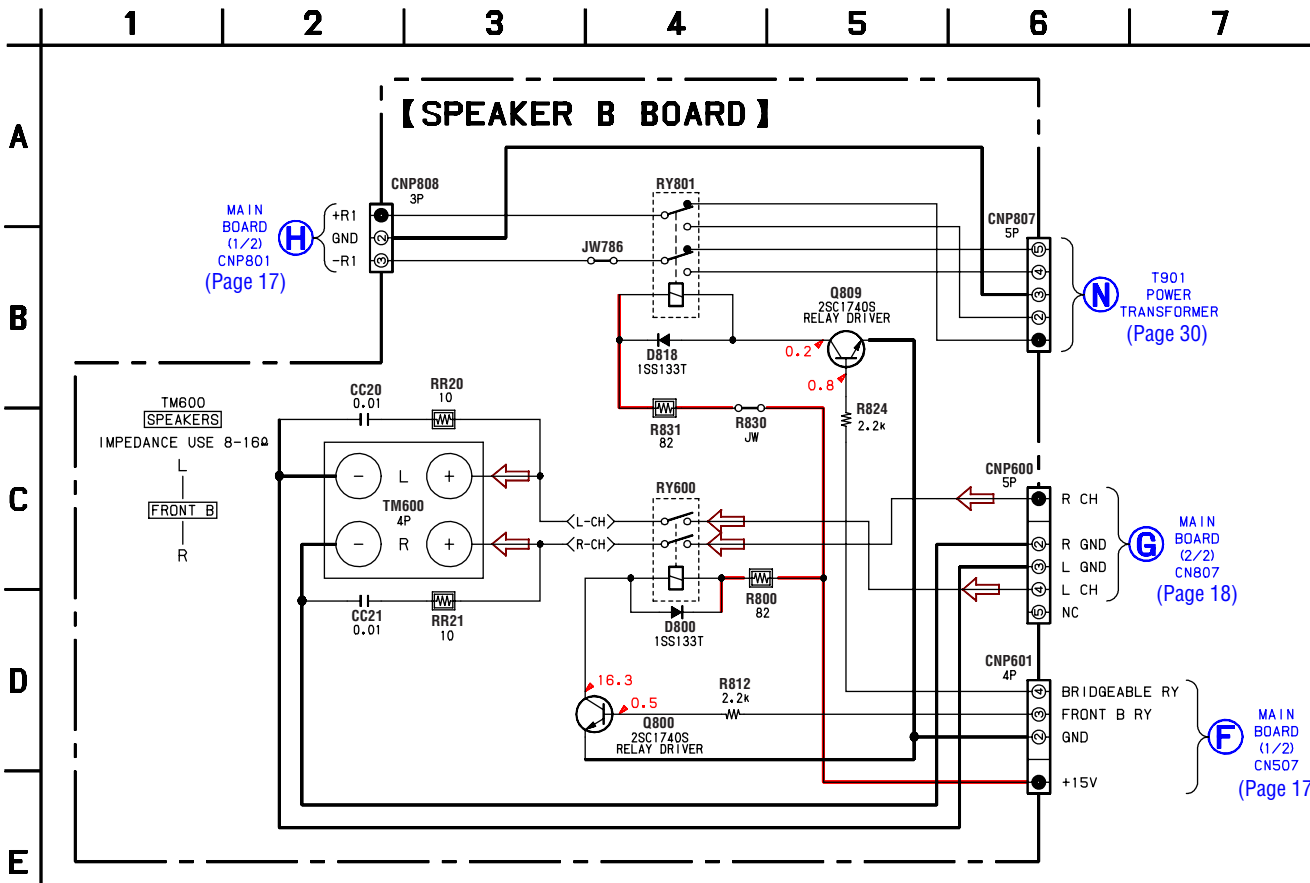


4-16. PRINTED WIRING BOARD — FRONT B SPEAKER SECTION —

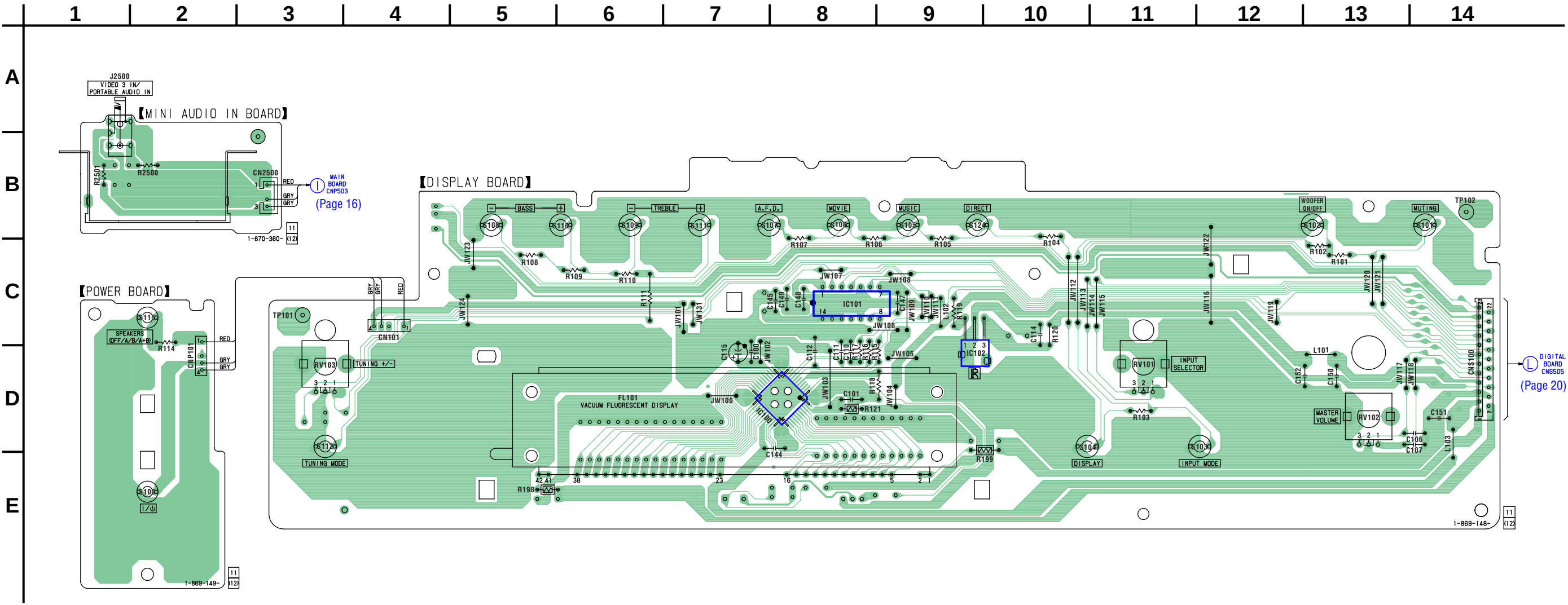
• Refer to page 15 for Circuit Boards Location.  : Uses unleaded solder.



4-17. SCHEMATIC DIAGRAM — FRONT B SPEAKER SECTION —



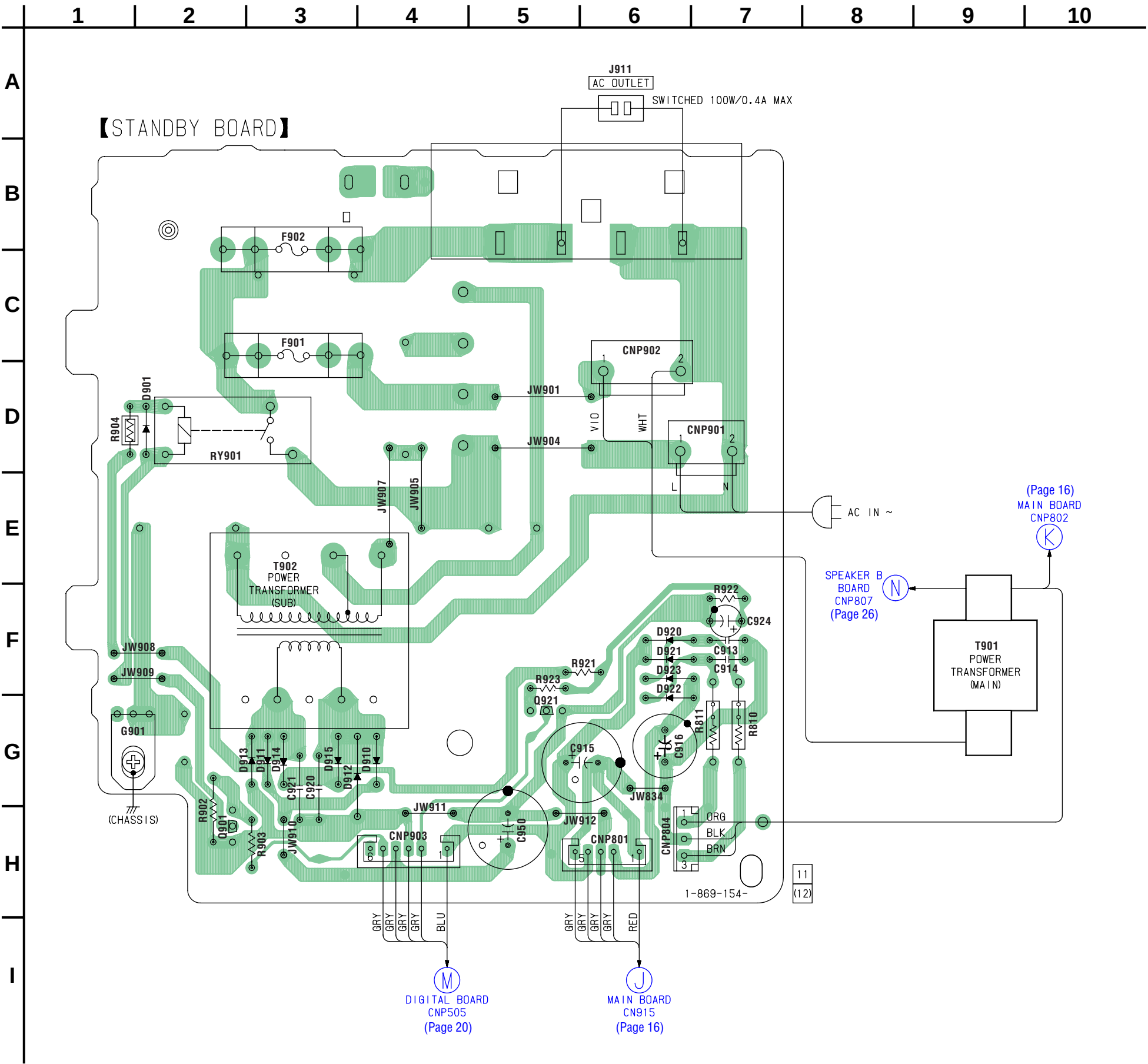
4-18. PRINTED WIRING BOARDS — DISPLAY SECTION — • Refer to page 15 for Circuit Boards Location. : Uses unleaded solder.



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4-20. PRINTED WIRING BOARD — POWER SECTION — • Refer to page 15 for Circuit Boards Location. : Uses unleaded solder.



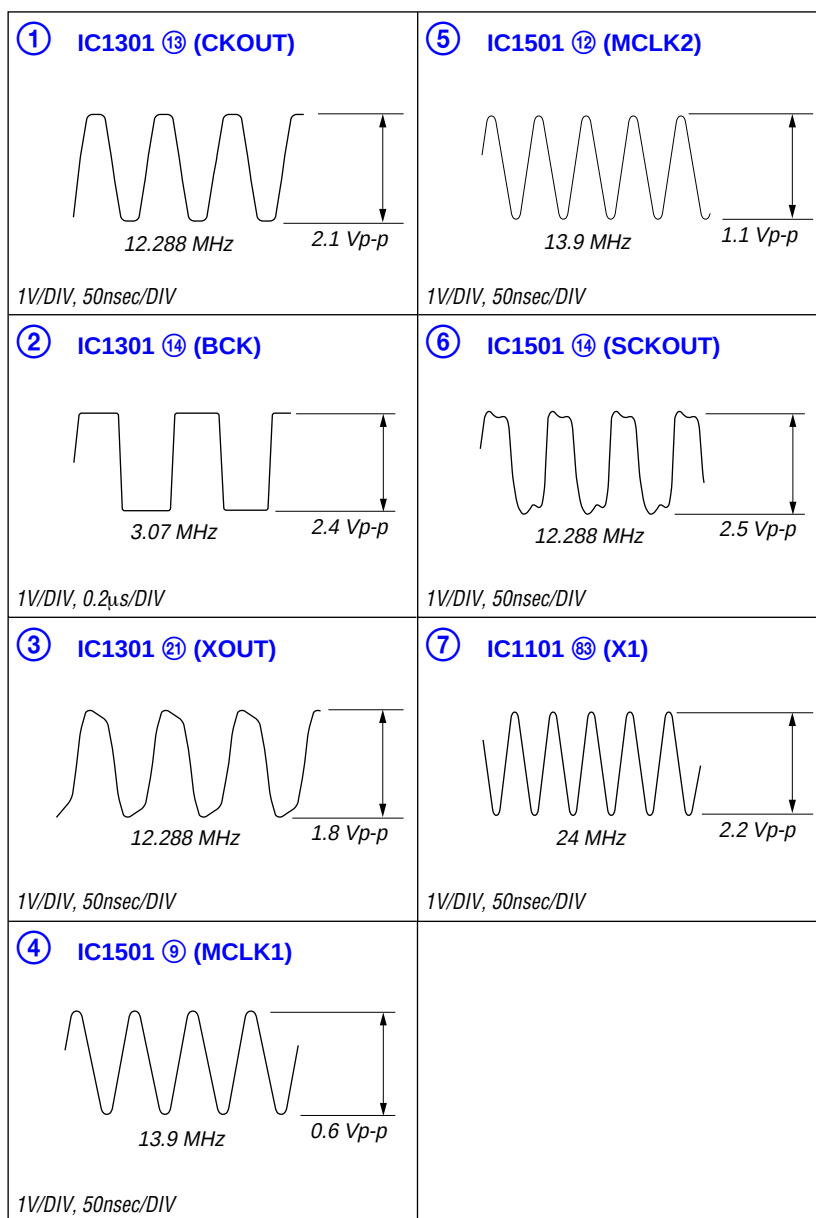
• Semiconductor Location

Ref. No.	Location
D901	D-2
D910	G-4
D911	G-3
D912	G-3
D913	G-3
D914	G-3
D915	G-3
D920	F-6
D921	F-6
D922	F-6
D923	F-6
Q901	H-2
Q921	G-5

30

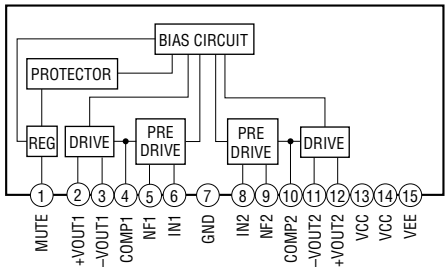


• Waveforms
— DIGITAL Board —

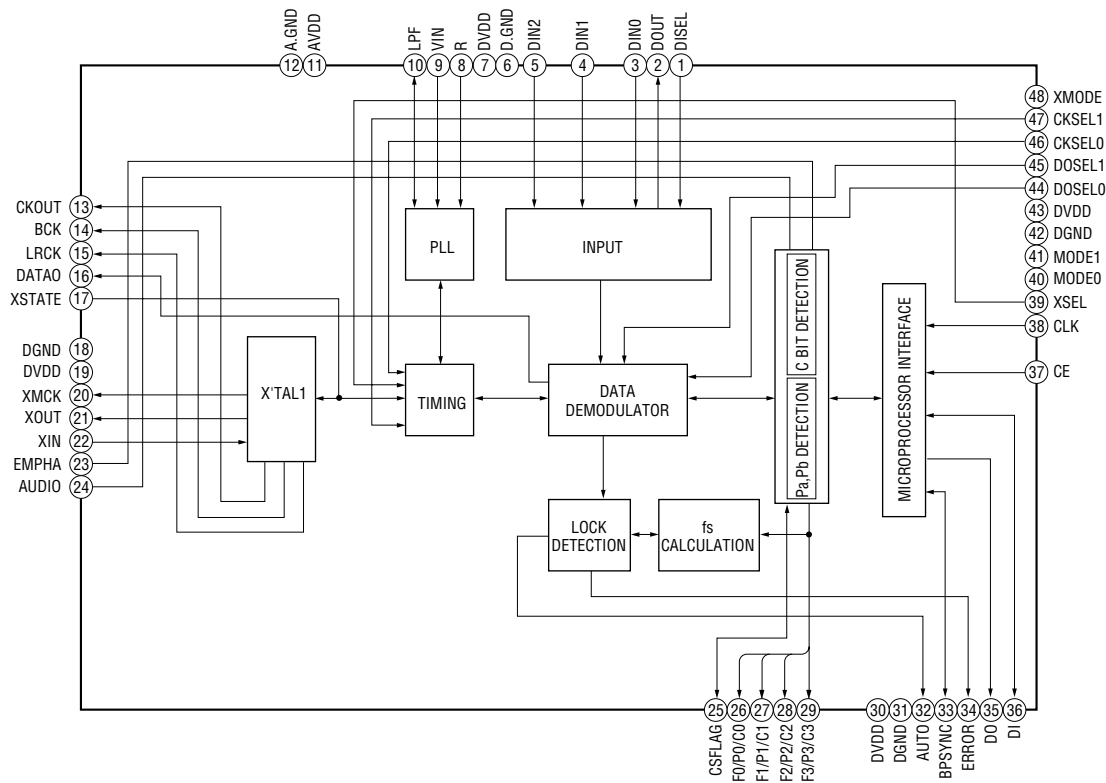


• IC Block Diagrams

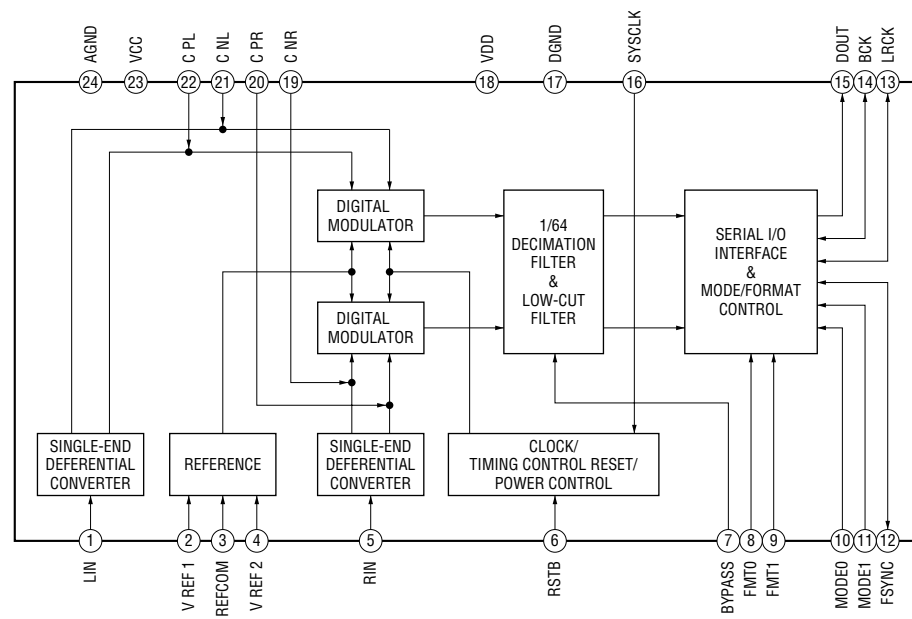
IC701 μPC2581V-S (MAIN BOARD (2/2))



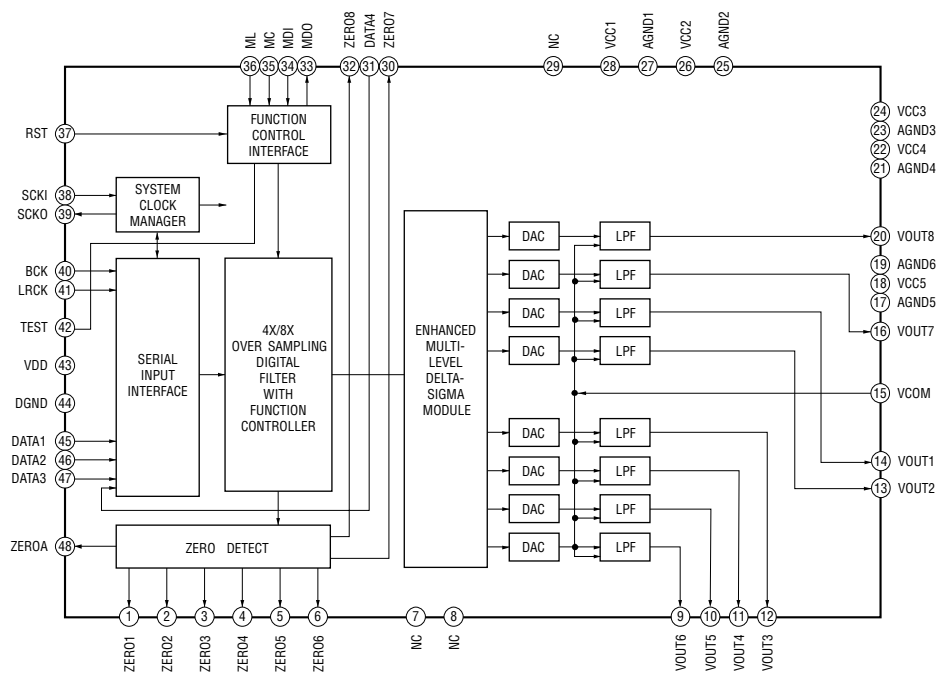
IC1301 LC89056W-E (DIGITAL BOARD (1/5))



IC1401 PCM1800E/2K (DIGITAL BOARD (3/5))



IC1452 PCM1609APT (DIGITAL BOARD (3/5))



• IC Pin Descriptions

IC1501 CXD9718BQ (DSP) (DIGITAL BOARD (2/5))

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 (+2.6 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 (+2.6 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 8CH DAC IC
15	LRCKI1	I	Sampling clock signal input from ADC IC
16	VDDE	I	Power supply pin (+3.3 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 8CH DAC IC
20	BCKO	O	Bit clock signal output for 8CH DAC IC
21	VSS	—	Ground
22	KFSIO	I/O	Audio clock signal (384fs/256fs) input/output for DIR IC
23 to 26	SDO1 to SDO4	O	Digital audio serial data output for 8CH DAC IC
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 ADC 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 (+2.6 V)
41	VSS	—	Ground
42	GP15	O	Not used (Open)
43	OE0	O	Not used (Open)
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 (+3.3 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)
56	BST	I	Boot stop signal input from SYSTEM CONTROL IC

Pin No.	Pin Name	I/O	Pin Description
57	MOD1	I	Operation mode signal input (L: 386fs, H: 256fs) (Fixed at H)
58	MOD0	I	Operation mode signal input (L: single chip mode, H: use prohibited) (Fixed at L)
59	EXLOCK	I	Error detection signal input from DIR IC
60	VDDI	I	Power supply pin (+2.6 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 (+2.6 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 (+3.3 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 (+2.6 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 (+3.3 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 (+2.6 V)

IC1101 MB90488BPF-G-220E1 (SYSTEM CONTROL) (DIGITAL BOARD (5/5))

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	PCM1609/1800_RST	O	Reset signal output for 8CH DAC IC/ADC IC
11	VSS	—	Ground
12	PCM1609_ML	O	Serial latch signal output for 8CH DAC IC
13	PCM1609_MC/XMDACMC	O	Serial clock signal output for 8CH DAC IC
14	PCM1609_MDI/XMDACMI	O	Serial data output for 8CH DAC IC
15	PCM1609_MDO	I	Serial data input from 8CH DAC IC
16	T.SERIAL_CLK/FL_CLK	O	Serial clock signal output for tuner pack/Clock signal output for FL driver IC
17	TUNER_DATA/FL_DATA	O	Serial data output for tuner pack/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
22	TUNING_B	I	TUNING +/- encoder (B) signal input
23	VCC5	—	Power supply pin (+3.3 V)
24	FL_RESET (DE8)	O	Not used (Fixed at L)
25	ANA/DIG	O	Not used (Open)
26	XM_RST	O	Not used (Open)
27	FLASH2/XM_RX	I	Flash programming signal input 2
28	FLASH1/XM_TX	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	UPCON	I/O	Not used (Open)
34	UPCON_CLK	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	ADCC analog signal input
39, 40	A/D1, A/D2	I	Key signal input (A/D port)
41	VERSION	I	Destination detection signal input
42	VSS	—	Ground
43	RDSSIG/XM_REQ	I/O	RDS signal level input
44	MODEL/CSMUTE (E8)	I/O	Model detection signal input
45	TONE_EN_B (E8)/VACS	I	Not used (Fixed at L)
46	TONE_EN_A (E8)	I	Not used (Fixed at L)
47	XMDACMS	O	Not used (Open)
48	STOP	I	AC off detection signal input
49	MD0	—	Selection of micon operation mode
50	MD1	—	Not used (Connect to VCC)
51	MD2	—	Selection of micon operation mode
52	RDS_CLK/XMDPOWER	I/O	RDS data clock signal input

Pin No.	Pin Name	I/O	Pin Description
53	RDS_DATA/ XM_COMMAND	I/O	RDS data input
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_CL	O	Clock signal output for DIR IC
60	VOL_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_RY	O	Front speaker relay driver control signal output
67	SP_B_RY	O	Front speaker B relay driver control signal output
68	C/SB_RY	O	Center/Surround back speaker relay driver control signal output
69	REAR_RY	O	Surround speaker relay driver control signal output
70	SW_RY	O	Sub woofer relay driver control signal output
71	ANALOG_SW_CLK (DE8)	O	Not used (Open)
72	BRIDGEABLE_RY	O	Bridgeable relay driver control signal output
73	DO	I	Tuner serial data input
74	SLATCH	O	Tuner latch signal output
75	TUNED	I	Tuned signal detection input
76	STEREO	I	Stereo signal detection input
77	RSTX	I	Reset signal input
78	MUTE	O	Tuner 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	ANALOG_SW_DATA (DE8)	O	Not used (Open)
86	D595_DATA	O	Not used (Open)
87	D595_CLK	O	Not used (Open)
88	D595_OE	O	Not used (Open)
89	D595_LAT	O	Not used (Open)
90	SELECT2	O	Not used (Open)
91	SELECT1	O	Not used (Open)
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

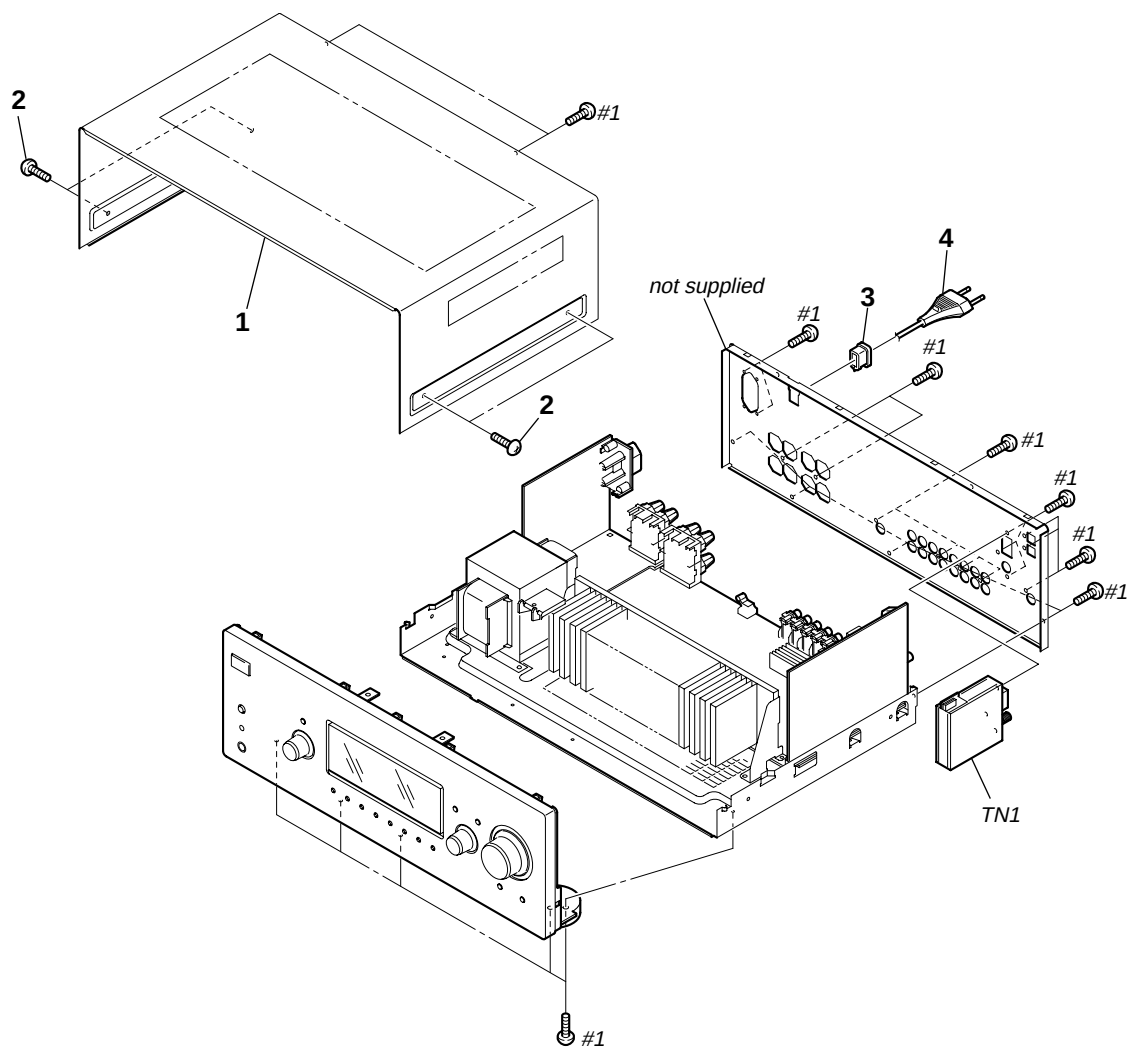
SECTION 5
EXPLODED VIEWS

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

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

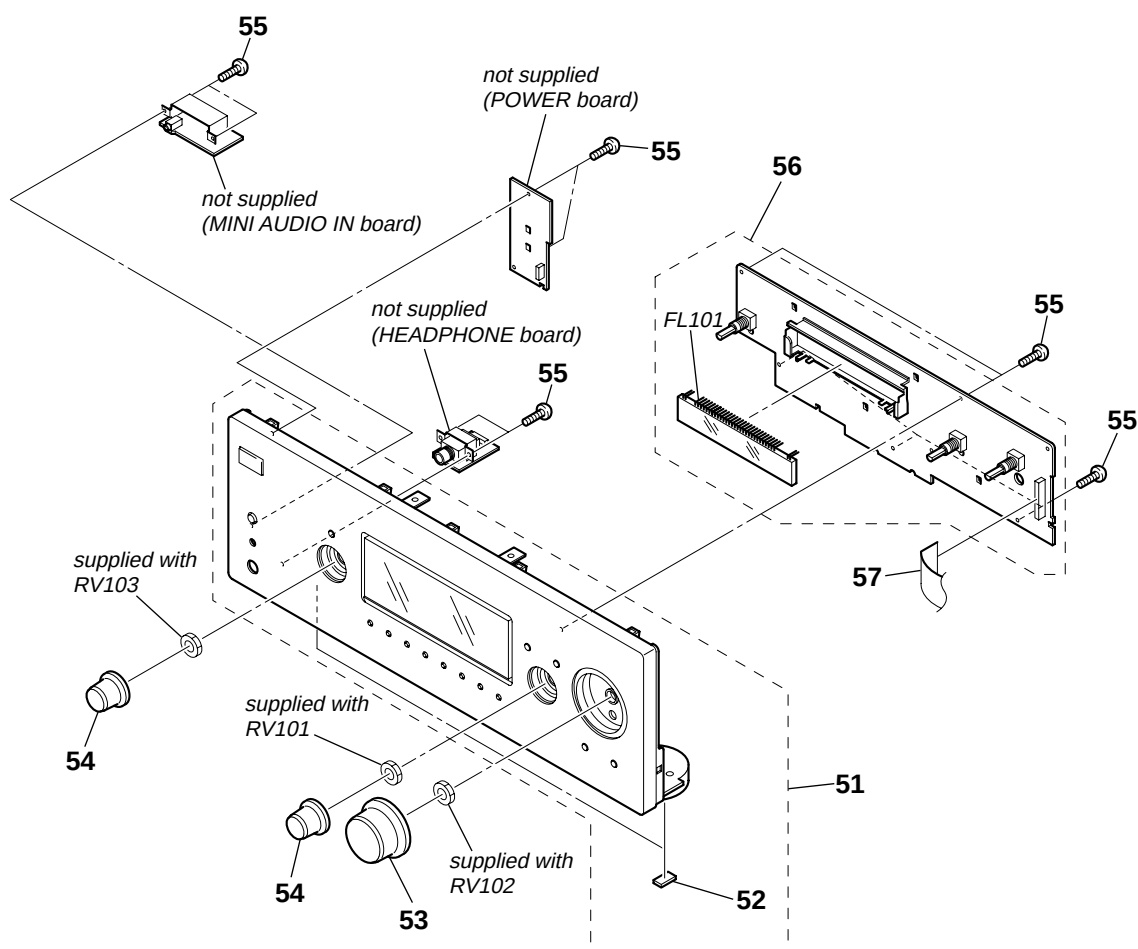
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

5-1. CASE SECTION



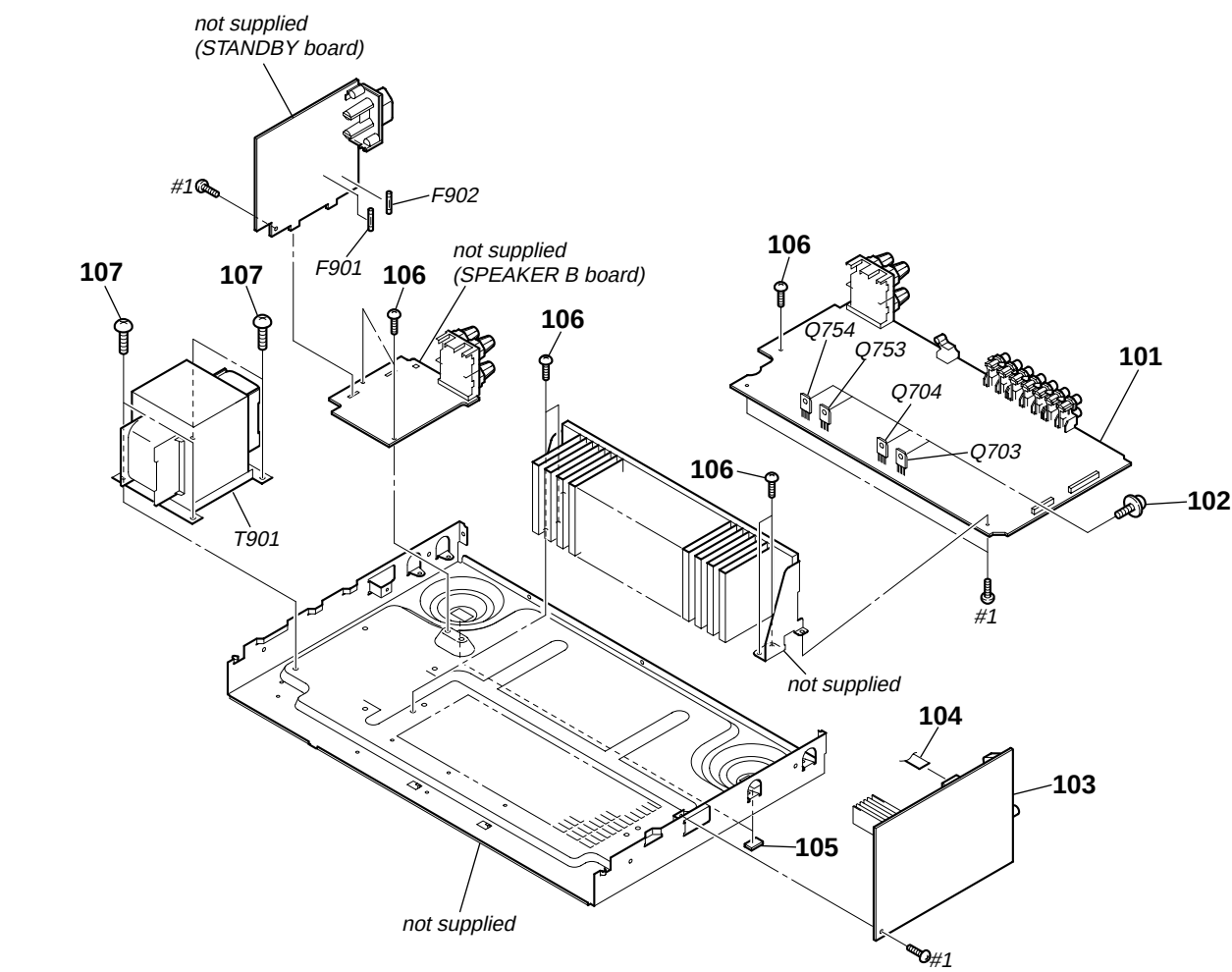
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	2-661-145-11	CASE (BLACK)...(BLACK)		* 3	3-703-244-00	BUSHING (2104), CORD	
1	2-661-145-31	CASE (SILVER)...(SILVER)		$\triangle$ 4	1-777-071-83	CORD, POWER	
2	3-363-099-02	SCREW (CASE 3 TP2) (BLACK)...(BLACK)		TN1	1-693-676-11	TUNER PACK (ANTENNA)	
2	3-363-099-11	SCREW (CASE 3 TP2) (SILVER)...(SILVER)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

5-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2109-121-1	FRONT PANEL ASSY (BLACK)...(BLACK)		54	2-661-141-11	KNOB (MENU) (SILVER)...(SILVER)	
51	X-2109-122-1	FRONT PANEL ASSY (SILVER)...(SILVER)		55	3-087-053-01	+BVTP 2.6 (3CR)	
52	4-977-358-01	CUSHION		56	A-1178-564-A	DISPLAY BOARD, COMPLETE	
53	2-661-142-01	KNOB (VOLUME) (BLACK)...(BLACK)		57	1-829-023-11	WIRE (FLAT TYPE) (23 CORE)	
53	2-661-142-11	KNOB (VOLUME) (SILVER)...(SILVER)		FL101	1-519-866-01	VACUUM FLUORESCENT DISPLAY	
54	2-661-141-01	KNOB (MENU) (BLACK)...(BLACK)					

5-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-1178-561-A	MAIN BOARD, COMPLETE		△ F902	1-532-464-33	FUSE (T2.5AL/250V)	
102	3-905-609-01	SCREW (TRANSISTOR)		Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
103	A-1178-568-A	DIGITAL BOARD, COMPLETE		Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
104	1-828-980-11	WIRE (FLAT TYPE) (15 CORE)		Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
105	4-977-358-01	CUSHION		Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
106	3-077-331-21	+BV 3 (3-CR)		△ T901	1-439-550-21	TRANSFORMER, POWER (MAIN)	
107	4-249-675-01	+BV SUMITITE S 4X6 ROUND		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
△ F901	1-532-464-33	FUSE (T2.5AL/250V)					

SECTION 6

ELECTRICAL PARTS LIST

DIGITAL

NOTE:

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

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

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

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

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
	A-1178-568-A	DIGITAL BOARD, COMPLETE	*****			C1251	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1252	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
						C1253	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3				C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
		< CAPACITOR >				C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1001	1-126-925-11	ELECT	470uF	20%	10V	C1299	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1002	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1301	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1005	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1303	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1021	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1304	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1022	1-126-925-11	ELECT	470uF	20%	10V	C1305	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1031	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1306	1-126-947-11	ELECT	47uF	20%	35V
C1032	1-126-925-11	ELECT	470uF	20%	10V	C1308	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1063	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1064	1-126-947-11	ELECT	47uF	20%	35V	C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1100	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1312	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1103	1-126-947-11	ELECT	47uF	20%	35V	C1314	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1104	1-216-864-11	SHORT CHIP	0			C1315	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1105	1-216-864-11	SHORT CHIP	0			C1351	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1107	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1354	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1108	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1355	1-104-662-11	ELECT	22uF	20%	25V
C1118	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1357	1-162-905-11	CERAMIC CHIP	1PF	0.25PF	50V
C1119	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1358	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1120	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1359	1-126-916-11	ELECT	1000uF	20%	6.3V
C1121	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1360	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1122	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1361	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1123	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1362	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1124	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1401	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1402	1-126-947-11	ELECT	47uF	20%	35V
C1130	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1403	1-126-964-11	ELECT	10uF	20%	50V
C1131	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1404	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1405	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C1137	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1406	1-126-963-11	ELECT	4.7uF	20%	50V
C1138	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1407	1-126-963-11	ELECT	4.7uF	20%	50V
C1139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1408	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C1140	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1409	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1142	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C1438	1-126-964-11	ELECT	10uF	20%	50V
C1144	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1441	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1145	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1442	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1146	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1448	1-126-964-11	ELECT	10uF	20%	50V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1450	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1171	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1454	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1172	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1457	1-126-964-11	ELECT	10uF	20%	50V
						C1460	1-126-964-11	ELECT	10uF	20%	50V

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Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C1468	1-126-964-11	ELECT	10uF	20%	50V	D1110	8-719-988-61	DIODE 1SS355TE-17			
C1472	1-162-963-11	CERAMIC CHIP	680PF	10%	50V	D1111	8-719-988-61	DIODE 1SS355TE-17			
C1473	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	D1301	8-719-988-61	DIODE 1SS355TE-17			
C1481	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	D1302	8-719-988-61	DIODE 1SS355TE-17			
C1483	1-162-963-11	CERAMIC CHIP	680PF	10%	50V	D1501	8-719-049-09	DIODE 1SS367-T3SONY			
C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	D1502	8-719-049-09	DIODE 1SS367-T3SONY			
C1491	1-126-964-11	ELECT	10uF	20%	50V	D1503	8-719-049-09	DIODE 1SS367-T3SONY			
C1494	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	D1504	8-719-049-09	DIODE 1SS367-T3SONY			
C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V			< FERRITE BEAD >			
C1501	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V						
C1502	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1101	1-400-862-11	BEAD, FERRITE			
C1503	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1302	1-400-862-11	BEAD, FERRITE			
C1504	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1305	1-400-862-11	BEAD, FERRITE			
C1505	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1306	1-400-862-11	BEAD, FERRITE			
C1506	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1308	1-400-862-11	BEAD, FERRITE			
C1507	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1405	1-400-862-11	BEAD, FERRITE			
C1508	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1452	1-400-862-11	BEAD, FERRITE			
C1509	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1453	1-400-862-11	BEAD, FERRITE			
C1510	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1501	1-400-862-11	BEAD, FERRITE			
C1511	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1502	1-400-862-11	BEAD, FERRITE			
C1513	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	FB1503	1-400-862-11	BEAD, FERRITE			
C1514	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V			< IC >			
C1515	1-126-925-11	ELECT	470uF	20%	10V	IC1001	8-759-231-53	IC TA7805S			
C1516	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	IC1031	6-705-464-01	IC BA50BC0T			
C1517	1-126-925-11	ELECT	470uF	20%	10V	IC1071	6-702-771-01	IC TA78033LS			
C1518	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	IC1101	6-806-702-01	IC MB90488BPF-G-220E1			
C1519	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G			
C1520	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V						
C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V	IC1131	6-705-866-01	IC BR24L16FJ-WE2			
C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V	IC1301	8-759-825-15	IC LC89056W-E			
C1525	1-126-925-11	ELECT	470uF	20%	10V	IC1303	8-759-242-70	IC TC7WU04F			
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	IC1351	6-600-466-01	IC TORX147L(SONY)			
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V			(DIGITAL VIDEO 2 IN (OPTICAL))			
C1604	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	IC1354	6-600-466-01	IC TORX147L(SONY)			
C1605	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V			(DIGITAL VIDEO 1 IN (OPTICAL))			
C1620	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	IC1401	8-759-560-56	IC PCM1800E/2K			
C1905	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	IC1403	8-759-710-97	IC NJM4565M-D			
C1906	1-126-925-11	ELECT	470uF	20%	10V	IC1404	8-759-710-97	IC NJM4565M-D			
C1908	1-126-925-11	ELECT	470uF	20%	10V	IC1452	6-708-785-01	IC PCM1609APT			
C1913	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	IC1501	6-705-900-01	IC CXD9718BQ			
C1914	1-126-947-11	ELECT	47uF	20%	35V	IC1502	6-709-278-01	IC IS61WV6416BLL-12TLI			
		< CONNECTOR >				IC1503	8-759-546-74	IC TC7WH157FU(TE12R)			
CNP503	1-784-922-11	PIN, CONNECTOR 5P				IC1901	6-701-887-02	IC SI-3004KWF			
CNP504	1-784-923-11	PIN, CONNECTOR 7P				IC1902	6-703-550-01	IC TA7809LS			
CNP505	1-784-925-11	PIN, CONNECTOR 10P				IC1904	6-705-463-01	IC BA33BC0T			
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P						< JACK >			
CNS502	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P				J1301	1-794-972-11	JACK, PIN 1P (DIGITAL DVD IN (COAXIAL))			
CNS504	1-568-828-11	CONNECTOR, FFC 9P						< JUMPER RESISTOR >			
CNS505	1-784-784-11	CONNECTOR, FFC 23P				JR1005	1-216-864-11	SHORT CHIP	0		
CNS508	1-784-776-11	CONNECTOR, FFC 15P				JR1008	1-216-864-11	SHORT CHIP	0		
		< DIODE >				JR1015	1-211-950-11	SHORT CHIP	0		
D1001	8-719-053-18	DIODE 1SR154-400TE-25				JR1016	1-211-950-11	SHORT CHIP	0		
D1003	8-719-049-09	DIODE 1SS367-T3SONY				JR1019	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
D1004	8-719-049-09	DIODE 1SS367-T3SONY				JR1020	1-216-864-11	SHORT CHIP	0		
D1107	8-719-988-61	DIODE 1SS355TE-17				JR1104	1-216-864-11	SHORT CHIP	0		
D1108	8-719-988-61	DIODE 1SS355TE-17				JR1207	1-211-950-11	SHORT CHIP	0		

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
JR1302	1-216-864-11	SHORT CHIP	0			R1149	1-216-809-11	METAL CHIP	100	5%	1/10W
JR1303	1-216-864-11	SHORT CHIP	0			R1150	1-216-809-11	METAL CHIP	100	5%	1/10W
JR1511	1-400-862-11	BEAD, FERRITE				R1151	1-216-809-11	METAL CHIP	100	5%	1/10W
		< RESISTOR >				R1152	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1153	1-216-809-11	METAL CHIP	100	5%	1/10W
R1035	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1154	1-216-809-11	METAL CHIP	100	5%	1/10W
R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1155	1-216-809-11	METAL CHIP	100	5%	1/10W
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W	R1156	1-216-864-11	SHORT CHIP	0		
R1042	1-216-809-11	METAL CHIP	100	5%	1/10W	R1157	1-216-864-11	SHORT CHIP	0		
R1044	1-216-809-11	METAL CHIP	100	5%	1/10W	R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1049	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1160	1-216-809-11	METAL CHIP	100	5%	1/10W
R1058	1-216-813-11	METAL CHIP	220	5%	1/10W	R1161	1-216-809-11	METAL CHIP	100	5%	1/10W
R1059	1-216-813-11	METAL CHIP	220	5%	1/10W	R1162	1-216-809-11	METAL CHIP	100	5%	1/10W
R1072	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1163	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1073	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1164	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W	R1171	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W	R1172	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W	R1175	1-216-809-11	METAL CHIP	100	5%	1/10W
R1081	1-216-809-11	METAL CHIP	100	5%	1/10W	R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1082	1-216-809-11	METAL CHIP	100	5%	1/10W	R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1183	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1097	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1184	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1103	1-216-864-11	SHORT CHIP	0			R1185	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W	R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1188	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1109	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W	R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1113	1-216-809-11	METAL CHIP	100	5%	1/10W	R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1115	1-216-809-11	METAL CHIP	100	5%	1/10W	R1251	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1116	1-216-809-11	METAL CHIP	100	5%	1/10W	R1252	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1119	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1120	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W	R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W	R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W	R1305	1-216-819-11	METAL CHIP	680	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W	R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1125	1-216-809-11	METAL CHIP	100	5%	1/10W	R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1126	1-216-809-11	METAL CHIP	100	5%	1/10W	R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W	R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W	R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W	R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W	R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W	R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1136	1-216-809-11	METAL CHIP	100	5%	1/10W	R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1137	1-216-809-11	METAL CHIP	100	5%	1/10W	R1315	1-216-809-11	METAL CHIP	100	5%	1/10W
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W	R1316	1-216-809-11	METAL CHIP	100	5%	1/10W
R1142	1-216-809-11	METAL CHIP	100	5%	1/10W	R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W	R1319	1-216-864-11	SHORT CHIP	0		
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W	R1321	1-216-864-11	SHORT CHIP	0		

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DISPLAY

Ref. No.	Part No.	Description	Remark		
R1323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1351	1-216-809-11	METAL CHIP	100	5%	1/10W
R1354	1-216-809-11	METAL CHIP	100	5%	1/10W
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1356	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1357	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1358	1-216-854-11	METAL CHIP	560K	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1362	1-216-809-11	METAL CHIP	100	5%	1/10W
R1401	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1402	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1403	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1444	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1445	1-216-864-11	SHORT CHIP	0		
R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1460	1-216-864-11	SHORT CHIP	0		
R1461	1-216-864-11	SHORT CHIP	0		
R1470	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1473	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1483	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1484	1-216-864-11	SHORT CHIP	0		
R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1491	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1492	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
R1503	1-216-813-11	METAL CHIP	220	5%	1/10W
R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1505	1-216-809-11	METAL CHIP	100	5%	1/10W
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1507	1-216-809-11	METAL CHIP	100	5%	1/10W
R1508	1-216-809-11	METAL CHIP	100	5%	1/10W
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W
R1510	1-216-809-11	METAL CHIP	100	5%	1/10W
R1511	1-216-809-11	METAL CHIP	100	5%	1/10W
R1512	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1515	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W
R1524	1-216-864-11	SHORT CHIP	0		
R1530	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W
R1557	1-216-813-11	METAL CHIP	220	5%	1/10W
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1635	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1636	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
< NETWORK RESISTOR >					
RB1500	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1501	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1502	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1503	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1504	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1506	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1507	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1508	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
< VIBRATOR >					
X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR (24MHz)			
X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)			
X1502	1-813-276-21	QUARTZ, CRYSTAL (13.9MHz)			

A-1178-564-A	DISPLAY BOARD, COMPLETE				

< CAPACITOR >					
C100	1-127-888-11	CERAMIC	0.1uF	10%	50V
C101	1-127-888-11	CERAMIC	0.1uF	10%	50V
C106	1-127-868-11	CERAMIC	0.0022uF	10%	50V
C107	1-127-868-11	CERAMIC	0.0022uF	10%	50V
C110	1-162-286-31	CERAMIC	220PF	10%	50V
C111	1-162-286-31	CERAMIC	220PF	10%	50V
C112	1-162-286-31	CERAMIC	220PF	10%	50V
C114	1-135-798-11	CERAMIC	0.22uF		50V
C115	1-126-795-11	ELECT	10uF	20%	50V
C144	1-127-888-11	CERAMIC	0.1uF	10%	50V
C145	1-127-888-11	CERAMIC	0.1uF	10%	50V
C147	1-162-286-31	CERAMIC	220PF	10%	50V
C148	1-162-286-31	CERAMIC	220PF	10%	50V
C149	1-162-286-31	CERAMIC	220PF	10%	50V
C150	1-127-888-11	CERAMIC	0.1uF	10%	50V
C151	1-127-888-11	CERAMIC	0.1uF	10%	50V
C152	1-127-888-11	CERAMIC	0.1uF	10%	50V
< CONNECTOR >					
CNS100	1-784-784-11	CONNECTOR, FFC 23P			
< VACUUM FLUORESCENT DISPLAY >					
FL101	1-519-866-01	VACUUM FLUORESCENT DISPLAY			
< IC >					
IC100	8-759-643-83	IC uPD16315GB-3BS			
IC101	8-759-243-51	IC TC74ACT08P			
IC102	6-600-174-01	IC RPM7240-H4 (IR)			
< RESISTOR >					
R101	1-249-409-11	CARBON	220	5%	1/4W
R102	1-249-411-11	CARBON	330	5%	1/4W
R103	1-249-413-11	CARBON	470	5%	1/4W
R104	1-249-415-11	CARBON	680	5%	1/4W
R105	1-247-831-11	CARBON	1K	5%	1/4W
R106	1-249-419-11	CARBON	1.5K	5%	1/4W
R107	1-249-421-11	CARBON	2.2K	5%	1/4W

DISPLAY

HEADPHONE

MAIN

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark	
R108	1-249-409-11	CARBON	220	5%	1/4W			A-1178-561-A	MAIN BOARD, COMPLETE					
R109	1-249-411-11	CARBON	330	5%	1/4W			*****						
R110	1-249-413-11	CARBON	470	5%	1/4W									
R111	1-249-415-11	CARBON	680	5%	1/4W			7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3					
R115	1-247-807-31	CARBON	100	5%	1/4W				< CAPACITOR >					
R116	1-247-807-31	CARBON	100	5%	1/4W			C400	1-127-868-11	CERAMIC	0.0022uF	10%	50V	
R117	1-247-807-31	CARBON	100	5%	1/4W			C403	1-127-868-11	CERAMIC	0.0022uF	10%	50V	
R118	1-249-440-11	CARBON	82K	5%	1/4W			C408	1-126-963-11	ELECT	4.7uF	20%	50V	
R119	1-247-807-31	CARBON	100	5%	1/4W			C409	1-126-963-11	ELECT	4.7uF	20%	50V	
R121	1-249-393-11	CARBON	10	5%	1/4W	F		C444	1-127-868-11	CERAMIC	0.0022uF	10%	50V	
R198	1-249-381-11	CARBON	1	5%	1/4W	F								
R199	1-249-381-11	CARBON	1	5%	1/4W	F								
		< ROTARY ENCODER >												
RV101	1-418-817-11	ENCODER, ROTARY (INPUT SELECTOR)												
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE)												
		(MASTER VOLUME)												
RV103	1-418-817-11	ENCODER, ROTARY (TUNING +/-)												
		< SWITCH >												
S101	1-771-410-21	SWITCH, TACTILE (MUTING)												
S102	1-771-410-21	SWITCH, TACTILE (WOOFER ON/OFF)												
S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)												
S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)												
S105	1-771-410-21	SWITCH, TACTILE (MUSIC)												
S106	1-771-410-21	SWITCH, TACTILE (MOVIE)												
S107	1-771-410-21	SWITCH, TACTILE (A.F.D.)												
S108	1-771-410-21	SWITCH, TACTILE (BASS -)												
S109	1-771-410-21	SWITCH, TACTILE (TREBLE -)												
S110	1-771-410-21	SWITCH, TACTILE (BASS +)												
S111	1-771-410-21	SWITCH, TACTILE (TREBLE +)												
S112	1-771-410-21	SWITCH, TACTILE (TUNING MODE)												
S124	1-771-410-21	SWITCH, TACTILE (DIRECT)												

		HEADPHONE BOARD												

		< CAPACITOR >												
C790	1-127-888-11	CERAMIC	0.1uF	10%	50V									
C791	1-127-888-11	CERAMIC	0.1uF	10%	50V									
		< CONNECTOR >												
CNP791	1-691-766-11	PLUG (MICRO CONNECTOR) 4P												
		< JACK >												
J791	1-815-314-21	JACK (PHONES)												
		< LEAD WIRE >												
* TP701	1-690-880-31	LEAD (WITH CONNECTOR)												

			</											

Ref. No.	Part No.	Description	Remark		
C804	1-109-932-14	ELECT(BLOCK)	10000uF	20%	71V
C805	1-135-851-21	MYLAR	0.22uF		100V
C806	1-135-851-21	MYLAR	0.22uF		100V
C807	1-126-947-11	ELECT	47uF	20%	35V
C808	1-126-947-11	ELECT	47uF	20%	35V
C809	1-127-888-11	CERAMIC	0.1uF	10%	50V
C810	1-127-888-11	CERAMIC	0.1uF	10%	50V
C811	1-127-888-11	CERAMIC	0.1uF	10%	50V
C822	1-126-947-11	ELECT	47uF	20%	35V
C830	1-127-888-11	CERAMIC	0.1uF	10%	50V
C831	1-127-888-11	CERAMIC	0.1uF	10%	50V
C832	1-126-936-11	ELECT	3300uF	20%	16V
CC02	1-162-282-31	CERAMIC	100PF	10%	50V
CC04	1-162-282-31	CERAMIC	100PF	10%	50V
CC05	1-162-282-31	CERAMIC	100PF	10%	50V
CC06	1-162-282-31	CERAMIC	100PF	10%	50V
CC07	1-162-282-31	CERAMIC	100PF	10%	50V
CC08	1-162-282-31	CERAMIC	100PF	10%	50V
CC09	1-162-282-31	CERAMIC	100PF	10%	50V
CC11	1-127-876-11	CERAMIC	0.01uF	10%	50V
CC13	1-127-876-11	CERAMIC	0.01uF	10%	50V
CC52	1-162-282-31	CERAMIC	100PF	10%	50V
CC54	1-162-282-31	CERAMIC	100PF	10%	50V
CC55	1-162-282-31	CERAMIC	100PF	10%	50V
CC56	1-162-282-31	CERAMIC	100PF	10%	50V
CC57	1-162-282-31	CERAMIC	100PF	10%	50V
CC58	1-162-282-31	CERAMIC	100PF	10%	50V
CC59	1-162-282-31	CERAMIC	100PF	10%	50V

< CONNECTOR >

CNP500	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P
* CNP801	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P
CNP802	1-691-767-11	PLUG (MICRO CONNECTOR) 5P
CNP911	1-779-977-11	PIN, CONNECTOR 6P
CNP912	1-691-766-11	PLUG (MICRO CONNECTOR) 4P
CNP913	1-784-922-11	PIN, CONNECTOR 5P

< DIODE >

D560	8-719-991-33	DIODE 1SS133T-77
D705	8-719-991-33	DIODE 1SS133T-77
D710	8-719-991-33	DIODE 1SS133T-77
D721	8-719-991-33	DIODE 1SS133T-77
D722	8-719-991-33	DIODE 1SS133T-77
D732	8-719-991-33	DIODE 1SS133T-77
D765	8-719-991-33	DIODE 1SS133T-77
D791	8-719-991-33	DIODE 1SS133T-77
D801	8-719-933-95	DIODE HZS20-1L
D802	8-719-072-05	DIODE RBV-602LF-A
D804	8-719-068-28	DIODE HZ6.8BP-TK
D805	6-500-522-11	DIODE 10EDB40-TA2B5
D806	6-500-522-11	DIODE 10EDB40-TA2B5
D807	6-500-522-11	DIODE 10EDB40-TA2B5
D808	6-500-522-11	DIODE 10EDB40-TA2B5
D896	8-719-043-76	DIODE AK04V0

Ref. No.	Part No.	Description	Remark
		< IC >	
IC401	6-707-362-01	IC BD3451KS	
IC402	8-759-167-88	IC NJM4565D	
IC701	6-700-943-01	IC uPC2581V-S	
IC801	8-759-071-48	IC TA7807S	
IC802	8-759-071-47	IC TA79007S	

< JACK >

J309	1-770-377-21	JACK, PIN 1P (SUB WOOFER AUDIO OUT)
J402	1-770-614-11	JACK, PIN 4P (MD/TAPE OUT,SA-CD/CD IN)
J403	1-770-614-11	JACK, PIN 4P (DVD AUDIO IN,MD/TAPE IN)
J404	1-774-411-11	JACK, PIN 6P (VIDEO 1 AUDIO IN/OUT, VIDEO 2 AUDIO IN)

< COIL >

L701	1-420-872-52	COIL, AIR-CORE
L751	1-420-872-52	COIL, AIR-CORE

< TRANSISTOR >

Q560	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK
Q705	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP
Q706	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP
Q710	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q722	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA
Q723	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q725	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK
Q755	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP
Q756	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP
Q790	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q793	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q795	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP
Q801	8-729-140-97	TRANSISTOR 2SB734-34

< RESISTOR >

R402	1-247-831-11	CARBON	1K	5%	1/4W
R404	1-247-831-11	CARBON	1K	5%	1/4W
R405	1-247-831-11	CARBON	1K	5%	1/4W
R406	1-247-831-11	CARBON	1K	5%	1/4W
R407	1-247-831-11	CARBON	1K	5%	1/4W
R408	1-247-831-11	CARBON	1K	5%	1/4W
R409	1-247-831-11	CARBON	1K	5%	1/4W
R428	1-247-831-11	CARBON	1K	5%	1/4W
R429	1-247-831-11	CARBON	1K	5%	1/4W
R452	1-247-831-11	CARBON	1K	5%	1/4W
R454	1-247-831-11	CARBON	1K	5%	1/4W
R455	1-247-831-11	CARBON	1K	5%	1/4W
R456	1-247-831-11	CARBON	1K	5%	1/4W
R457	1-247-831-11	CARBON	1K	5%	1/4W
R458	1-247-831-11	CARBON	1K	5%	1/4W
R459	1-247-831-11	CARBON	1K	5%	1/4W
R468	1-247-879-11	CARBON	100K	5%	1/4W
R469	1-247-831-11	CARBON	1K	5%	1/4W
R470	1-247-871-11	CARBON	47K	5%	1/4W
R473	1-249-429-11	CARBON	10K	5%	1/4W

MAIN

MINI AUDIO IN

POWER

SPEAKER B

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R474	1-249-429-11	CARBON	10K 5% 1/4W	R804	1-249-429-11	CARBON	10K 5% 1/4W
R475	1-249-429-11	CARBON	10K 5% 1/4W	R806	1-247-863-11	CARBON	22K 5% 1/4W
R476	1-249-429-11	CARBON	10K 5% 1/4W	△ R910	1-240-877-11	FUSIBLE	0.15 5% 1/2W F
R480	1-247-871-11	CARBON	47K 5% 1/4W	RR11	1-249-393-11	CARBON	10 5% 1/4W F
R499	1-247-871-11	CARBON	47K 5% 1/4W	RR12	1-249-393-11	CARBON	10 5% 1/4W F
R532	1-249-429-11	CARBON	10K 5% 1/4W	< RELAY >			
R533	1-247-871-11	CARBON	47K 5% 1/4W	RY560	1-755-267-11	RELAY	
R701	1-247-831-11	CARBON	1K 5% 1/4W	RY701	1-755-170-11	RELAY (12V)	
R702	1-249-439-11	CARBON	68K 5% 1/4W	RY791	1-755-170-11	RELAY (12V)	
R703	1-249-421-11	CARBON	2.2K 5% 1/4W	< TERMINAL BOARD >			
R704	1-249-439-11	CARBON	68K 5% 1/4W	TM601	1-780-215-11	TERMINAL BOARD (4P) (SPEAKERS FRONT A)	
R710	1-249-421-11	CARBON	2.2K 5% 1/4W	*****			
R711	1-249-440-11	CARBON	82K 5% 1/4W	MINI AUDIO IN BOARD			
R713	1-249-414-11	CARBON	560 5% 1/4W	*****			
R714	1-249-399-11	CARBON	33 5% 1/4W F	< CONNECTOR >			
R715	1-249-399-11	CARBON	33 5% 1/4W F	CN2500	1-779-978-11	PIN, CONNECTOR 3P	
R716	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2 5W	< JACK >			
R717	1-249-393-11	CARBON	10 5% 1/4W F	J2500	1-820-056-11	JACK (SMALL TYPE)	
R718	1-249-389-11	CARBON	4.7 5% 1/4W F	(VIDEO 3 IN/PORTABLE AUDIO IN)			
R719	1-247-847-11	CARBON	4.7K 5% 1/4W	< RESISTOR >			
R721	1-240-855-81	CARBON	6.2K 5% 1/4W F	R2500	1-247-831-11	CARBON	1K 5% 1/4W
R722	1-249-419-11	CARBON	1.5K 5% 1/4W	R2501	1-247-831-11	CARBON	1K 5% 1/4W
R723	1-247-871-11	CARBON	47K 5% 1/4W	*****			
R724	1-249-431-11	CARBON	15K 5% 1/4W	POWER BOARD			
R725	1-249-439-11	CARBON	68K 5% 1/4W	*****			
R731	1-249-421-11	CARBON	2.2K 5% 1/4W	< RESISTOR >			
R732	1-249-381-11	CARBON	1 5% 1/4W F	R114	1-247-831-11	CARBON	1K 5% 1/4W
R733	1-249-381-11	CARBON	1 5% 1/4W F	< SWITCH >			
R734	1-249-404-00	CARBON	82 5% 1/4W F	S100	1-771-410-21	SWITCH, TACTILE (I/⏻)	
R735	1-249-427-11	CARBON	6.8K 5% 1/4W	S115	1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B/A+B))	
R736	1-247-831-11	CARBON	1K 5% 1/4W	*****			
R737	1-249-436-11	CARBON	39K 5% 1/4W	SPEAKER B BOARD			
R744	1-249-431-11	CARBON	15K 5% 1/4W	*****			
R751	1-247-831-11	CARBON	1K 5% 1/4W	< CAPACITOR >			
R752	1-249-439-11	CARBON	68K 5% 1/4W	CC20	1-127-876-11	CERAMIC	0.01uF 10% 50V
R753	1-249-421-11	CARBON	2.2K 5% 1/4W	CC21	1-127-876-11	CERAMIC	0.01uF 10% 50V
R754	1-249-439-11	CARBON	68K 5% 1/4W	< CONNECTOR >			
R760	1-249-421-11	CARBON	2.2K 5% 1/4W	CNP600	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P	
R761	1-249-440-11	CARBON	82K 5% 1/4W	CNP601	1-784-921-11	PIN, CONNECTOR 4P	
R763	1-249-414-11	CARBON	560 5% 1/4W	* CNP807	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P	
R764	1-249-399-11	CARBON	33 5% 1/4W F	< DIODE >			
R765	1-249-399-11	CARBON	33 5% 1/4W F	D800	8-719-991-33	DIODE 1SS133T-77	
R766	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2 5W	D818	8-719-991-33	DIODE 1SS133T-77	
R767	1-249-393-11	CARBON	10 5% 1/4W F				
R768	1-249-389-11	CARBON	4.7 5% 1/4W F				
R769	1-247-847-11	CARBON	4.7K 5% 1/4W				
R771	1-240-855-81	CARBON	6.2K 5% 1/4W F				
R772	1-249-419-11	CARBON	1.5K 5% 1/4W				
R773	1-247-871-11	CARBON	47K 5% 1/4W				
R775	1-249-439-11	CARBON	68K 5% 1/4W				
R778	1-249-431-11	CARBON	15K 5% 1/4W				
R780	1-249-429-11	CARBON	10K 5% 1/4W				
R791	1-249-421-11	CARBON	2.2K 5% 1/4W				
△ R792	1-215-868-00	METAL OXIDE	680 5% 1W F				
R793	1-249-404-00	CARBON	82 5% 1/4W F				
△ R794	1-215-868-00	METAL OXIDE	680 5% 1W F				
R802	1-249-409-11	CARBON	220 5% 1/4W F				
R803	1-249-389-11	CARBON	4.7 5% 1/4W F				

STR-DG300

SPEAKER B

STANDBY

Ref. No.	Part No.	Description	Remark			
< TRANSISTOR >						
Q800	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q809	8-729-119-78	TRANSISTOR	2SC2785-HFE			
< RESISTOR >						
R800	1-249-404-00	CARBON	82	5%	1/4W	F
R812	1-249-421-11	CARBON	2.2K	5%	1/4W	
R824	1-249-421-11	CARBON	2.2K	5%	1/4W	
R831	1-249-404-00	CARBON	82	5%	1/4W	F
RR20	1-249-393-11	CARBON	10	5%	1/4W	F
RR21	1-249-393-11	CARBON	10	5%	1/4W	F
< RELAY >						
RY600	1-755-170-11	RELAY (12V)				
RY801	1-755-013-11	RELAY				
< TERMINAL BOARD >						
TM600	1-780-215-11	TERMINAL BOARD (4P) (SPEAKERS FRONT B)				

STANDBY BOARD						

	1-533-217-41	HOLDER, FUSE				
< CAPACITOR >						
C913	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C914	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C915	1-126-943-11	ELECT	2200uF	20%	25V	
C916	1-126-942-61	ELECT	1000uF	20%	25V	
C920	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C921	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C924	1-126-960-11	ELECT	1uF	20%	50V	
C950	1-126-936-11	ELECT	3300uF	20%	16V	
< CONNECTOR >						
CNP801	1-784-922-11	PIN, CONNECTOR	5P			
CNP804	1-564-506-11	PLUG, CONNECTOR	3P			
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH)	2P			
CNP902	1-794-577-21	PIN, CONNECTOR (POWER)	2P			
CNP903	1-779-977-11	PIN, CONNECTOR	6P			
< DIODE >						
D901	8-719-991-33	DIODE	1SS133T-77			
D910	6-500-522-11	DIODE	10EDB40-TA2B5			
D911	6-500-522-11	DIODE	10EDB40-TA2B5			
D912	6-500-522-11	DIODE	10EDB40-TA2B5			
D913	6-500-522-11	DIODE	10EDB40-TA2B5			
D914	8-719-991-33	DIODE	1SS133T-77			
D915	8-719-991-33	DIODE	1SS133T-77			
D920	6-500-522-11	DIODE	10EDB40-TA2B5			
D921	6-500-522-11	DIODE	10EDB40-TA2B5			
D922	6-500-522-11	DIODE	10EDB40-TA2B5			
D923	6-500-522-11	DIODE	10EDB40-TA2B5			
< GROUND TERMINAL >						
G901	1-537-738-21	TERMINAL, GROUND				

Ref. No.	Part No.	Description	Remark			
< AC OUTLET >						
△ J911	1-785-285-11	OUTLET, AC (1P) (AC OUTLET)				
< TRANSISTOR >						
Q901	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q921	8-729-119-78	TRANSISTOR	2SC2785-HFE			
< RESISTOR >						
△ R810	1-243-634-91	FUSIBLE	0.22	5%	1/2W	F
△ R811	1-243-634-91	FUSIBLE	0.22	5%	1/2W	F
R902	1-247-871-11	CARBON	47K	5%	1/4W	
R903	1-249-421-11	CARBON	2.2K	5%	1/4W	
R904	1-249-381-11	CARBON	1	5%	1/4W	F
R921	1-247-871-11	CARBON	47K	5%	1/4W	
R922	1-247-863-11	CARBON	22K	5%	1/4W	
R923	1-249-429-11	CARBON	10K	5%	1/4W	
< RELAY >						
△ RY901	1-755-541-11	RELAY				
< TRANSFORMER >						
△ T902	1-443-517-11	TRANSFORMER, POWER (SUB)				

MISCELLANEOUS						

△ 4	1-777-071-83	CORD, POWER				
57	1-829-023-11	WIRE (FLAT TYPE) (23 CORE)				
104	1-828-980-11	WIRE (FLAT TYPE) (15 CORE)				
△ F901	1-532-464-33	FUSE (T2.5AL/250V)				
△ F902	1-532-464-33	FUSE (T2.5AL/250V)				
Q703	6-702-390-01	TRANSISTOR	MN2488-OPY-MK			
Q704	6-702-391-01	TRANSISTOR	MP1620-OPY-MK			
Q753	6-702-390-01	TRANSISTOR	MN2488-OPY-MK			
Q754	6-702-391-01	TRANSISTOR	MP1620-OPY-MK			
△ T901	1-439-550-21	TRANSFORMER, POWER (MAIN)				
TN1	1-693-676-11	TUNER PACK (ANTENNA)				

ACCESSORIES						

1-479-691-21	STANDARD COMMANDER (RM-AAU007)		(including BATTERY LID)			
1-501-374-12	ANTENNA, LOOP (AM)					
1-501-807-12	ANTENNA (FM)					
2-662-257-11	MANUAL, INSTRUCTION (ENGLISH)					
2-662-257-21	MANUAL, INSTRUCTION (FRENCH)					
2-662-257-31	MANUAL, INSTRUCTION (SPANISH)					
2-662-257-41	MANUAL, INSTRUCTION (GERMAN,DUTCH, SWEDISH)					
2-662-257-51	MANUAL, INSTRUCTION (ITALIAN,POLISH)					
2-662-257-61	MANUAL, INSTRUCTION (DANISH,FINNISH)					
2-662-257-71	MANUAL, INSTRUCTION (GREEK)					
2-662-257-81	MANUAL, INSTRUCTION (HUNGARIAN,CZECH)					
2-662-257-91	MANUAL, INSTRUCTION (SLOVAKIAN)					

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REVISION HISTORY

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