STR-K5900P/K9900P

SERVICE MANUAL

Ver. 1.0 2005. 03

US Model
STR-K5900P/K9900P
Canadian Model
STR-K5900P

Photo: STR-K9900P

- STR-K5900P/K9900P are the FM/AM receiver section in HT-5950DP/6900DP/9900M.

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(Models of area code US only)
With 6 ohm loads, both channels driven, from 120 – 20,000 Hz; rated 90 watts (STR-K9900P)/ 70 watts (STR-K5900P) per channel minimum RMS power, with no more than 0.7 % total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Power Output [1]
Model of area code US
(6 ohms 1 kHz, THD 10 %)

STR-K9900P:	FRONT [2] : 140 W/ch
	CENTER [2] : 140 W
	SURR [2] : 140 W/ch
	SURR BACK [2] : 140 W
STR-K5900P:	FRONT [2] : 110 W/ch
	CENTER [2] : 110 W
	SURR [2] : 110 W/ch
	SURR BACK [2] : 110 W

Model of area code Canadian
(6 ohms 1 kHz, THD 0.7 %)

STR-K5900P:	FRONT [2] : 70 W/ch
	CENTER [2] : 70 W
	SURR [2] : 70 W/ch
	SURR BACK [2] : 70 W

(6 ohms 1 kHz, THD 10 %)

STR-K5900P:	FRONT [2] : 110 W/ch
	CENTER [2] : 110 W
	SURR [2] : 110 W/ch
	SURR BACK [2] : 110 W

1) Measured under the following conditions:

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

2) Depending on the sound field settings and the source, there may be no sound output.

– Continued on next page –

FM STEREO/FM-AM RECEIVER

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2005C04-1
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Sony Corporation
Audio Group
Published by Sony Engineering Corporation

SONY®

Inputs (Analog)

MULTI CH IN*, SA-CD/CD, MD/TAPE, DVD, VIDEO 1, 2, 3	Sensitivity: 800 mV Impedance: 50 k ohms

* STR-K9900P only.

Inputs (Digital)

DVD (Coaxial)	Sensitivity: – Impedance: 75 ohms
VIDEO 2, SA-CD/CD (Optical)	Sensitivity: – Impedance: –

Outputs (Analog)

MD/TAPE (OUT), VIDEO 1 (AUDIO OUT)	Voltage: 800 mV Impedance: 10 k ohms
SUB WOOFER	Voltage: 2 V Impedance: 1 k ohm

Reproduction frequency range:
28 – 20,000 Hz

Tone

Gain levels	±6 dB, 1 dB step

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
Model of area code US, Canadian

With 10-kHz tuning scale:	530 – 1,710 kHz [3)]
With 9-kHz tuning scale:	531 – 1,710 kHz [3)]
Antenna	Loop antenna
Intermediate frequency	450 kHz

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

Video section

Inputs/Outputs

Video:	1 Vp-p, 75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p, 75 ohms PB/CB/B-Y: 0.7 Vp-p, 75 ohms PR/CR/R-Y: 0.7 Vp-p, 75 ohms 80 MHz HD Pass Through

General

Power requirements

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

Power consumption

Area code	Power consumption
US (STR-K9900P)	190 W
US (STR-K5900P)	140 W
Canadian	200 VA

Power consumption (during standby mode)
0.2 W

Dimensions (w/h/d) (Approx.)
430 × 157.5 × 310 mm (16 7/8 × 6 2/8 × 12 2/8 inches) including projecting parts and controls

Mass (Approx.) 8.0 kg (17 lb 11 oz)

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT (US MODEL)

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

LEAKAGE TEST

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

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

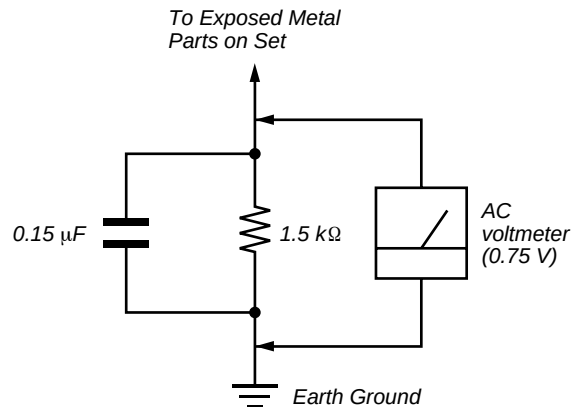


Fig. A. Using an AC voltmeter to check AC leakage.

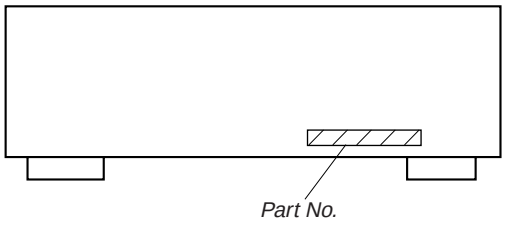
SAFETY-RELATED COMPONENT WARNING!!

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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ 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.

MODEL IDENTIFICATION
— BACK PANEL —



MODEL	PART No.
STR-K5900P: US	2-546-121-0☐
STR-K9900P: US	2-546-121-1☐
STR-K5900P: CND	2-546-121-7☐

• Abbreviation
CND: Canadian model

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SECTION 1
GENERAL

This section is extracted from instruction manual.

List of button locations and reference pages

How to use this page

Use this page to find the location of buttons that are mentioned in the text.

Illustration number
DISPLAY 3 (26, 54)
Name of button/part
Reference page

Main unit

ALPHABETICAL ORDER

A - H

A.F.D. (button/indicator) 11 (30, 32, 53)
AM 21 (23, 24, 25, 40)
DIMMER 4 (26)
DISPLAY 3 (26, 54)
Display 7 (27)
DVD 25 (23)
ENTER 15 (18, 40)
FM 22 (23, 24, 25, 40)
FM MODE 32 (24)

I - O

Input buttons 20 (23, 35, 39, 40, 54)
INPUT MODE 17 (35)
IR (receptor) 5 (43, 54)
MAIN MENU 8 (19, 36, 37, 40)
MASTER VOLUME –/+ 16 (18, 22, 23, 53)
MD/TAPE 24 (23)
MEMORY 34 (25)
MOVIE (button/indicator) 12 (31, 32, 53)
MULTI CHANNEL DECODING (indicator) 6 (24)
MULTI CH IN* 9 (24)
MUSIC (button/indicator) 13 (32, 53)

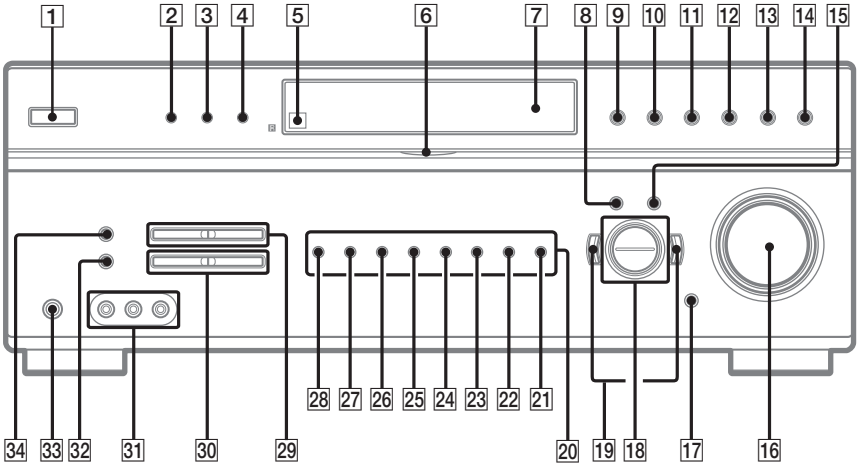
P - Z

PHONES (jack) 33 (23, 53)
PRESET TUNING –/+ 29 (25, 56)
SA-CD/CD 23 (23)
SLEEP** 9 (40)
SPEAKERS (OFF/A/B/A+B)* 2 (16, 41, 53)
SPEAKERS (ON/OFF)** 2 (16, 41, 53)
SURR BACK DECODING 14 (33)
TUNING –/+ 30 (24, 56)
VIDEO 1 28 (23)
VIDEO 2 27 (23)
VIDEO 3 26 (23)
VIDEO 3 IN/PORTABLE AV IN (jacks) 31 (13)

NUMBERS AND SYMBOLS

2CH (button/indicator) 10 (29, 32, 37)
I/⏻ (power) 1 (18, 19, 37, 56)
</> 19 (19, 36, 37, 40)
+/– 18 (19, 36, 38, 40)

* HT-9900M and HT-6900DP only.
** HT-5950DP only.



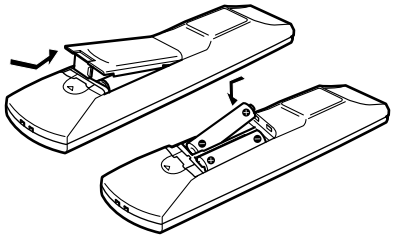
Operations Using the Remote RM-AAP001

You can use the remote RM-AAP001 to operate the components in your system.

Before you use your remote

Inserting batteries into the remote

Insert R6 (size-AA) batteries with the + and – properly oriented in the battery compartment. When using the remote, point it at the remote sensor ▣ on the receiver.



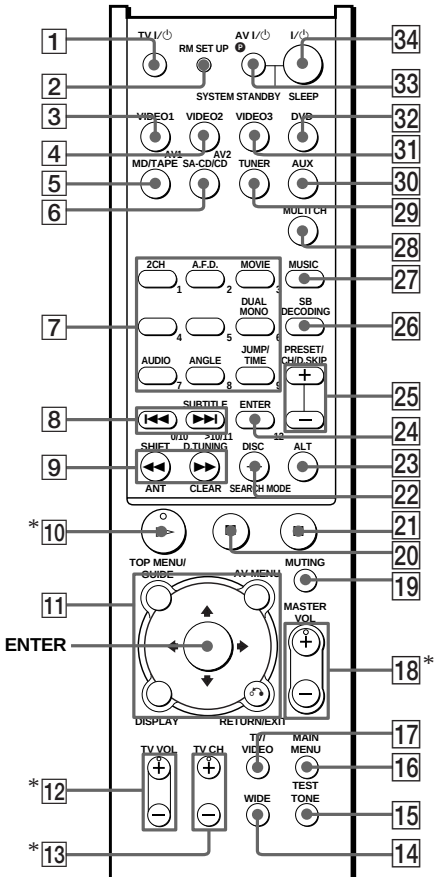
Tip

Under normal conditions, the batteries should last for about 6 months. When the remote no longer operates the receiver, replace all batteries with new ones.

Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Remote button description

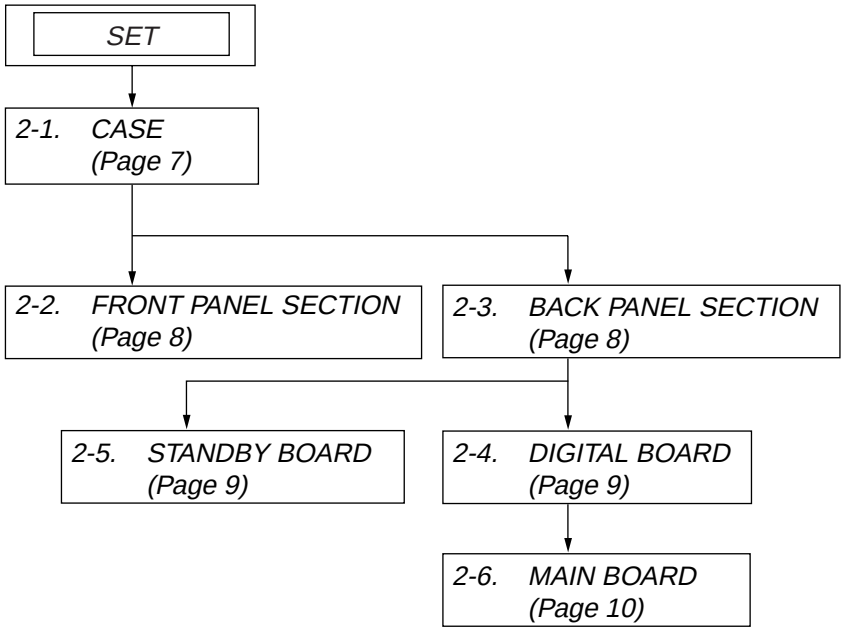


* The ▷, TV VOL +, TV CH + and MASTER VOL + buttons have a tactile dot. Use the tactile dot as a reference when operating the receiver and other audio/video components.

continued

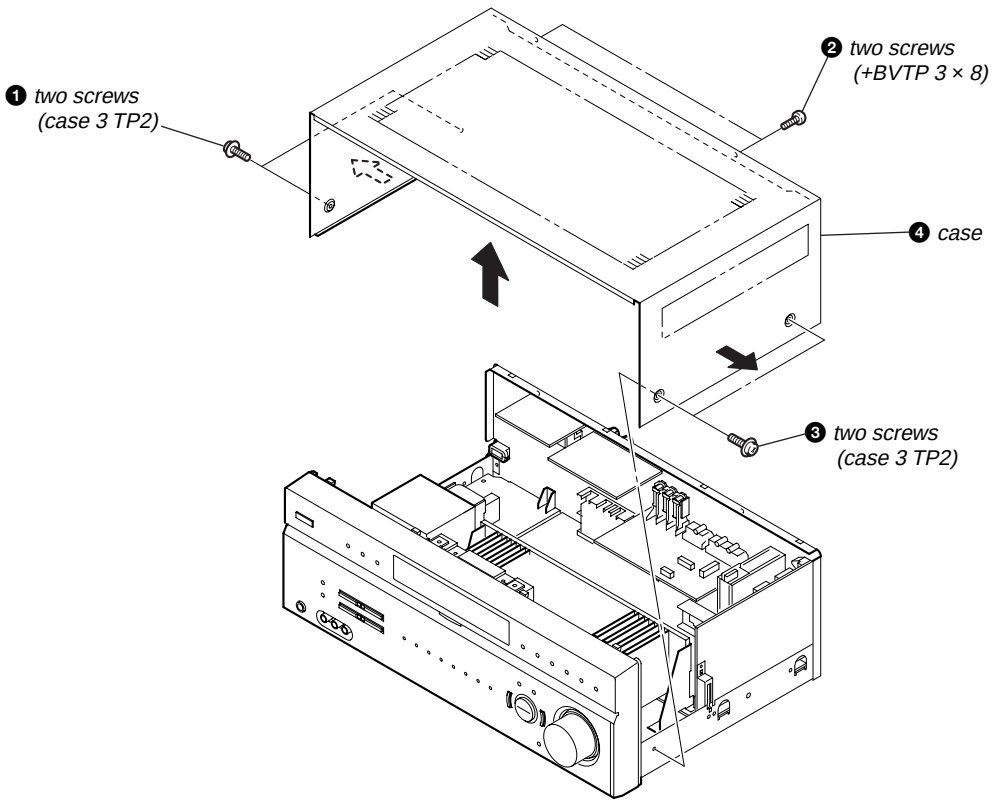
SECTION 2
DISASSEMBLY

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

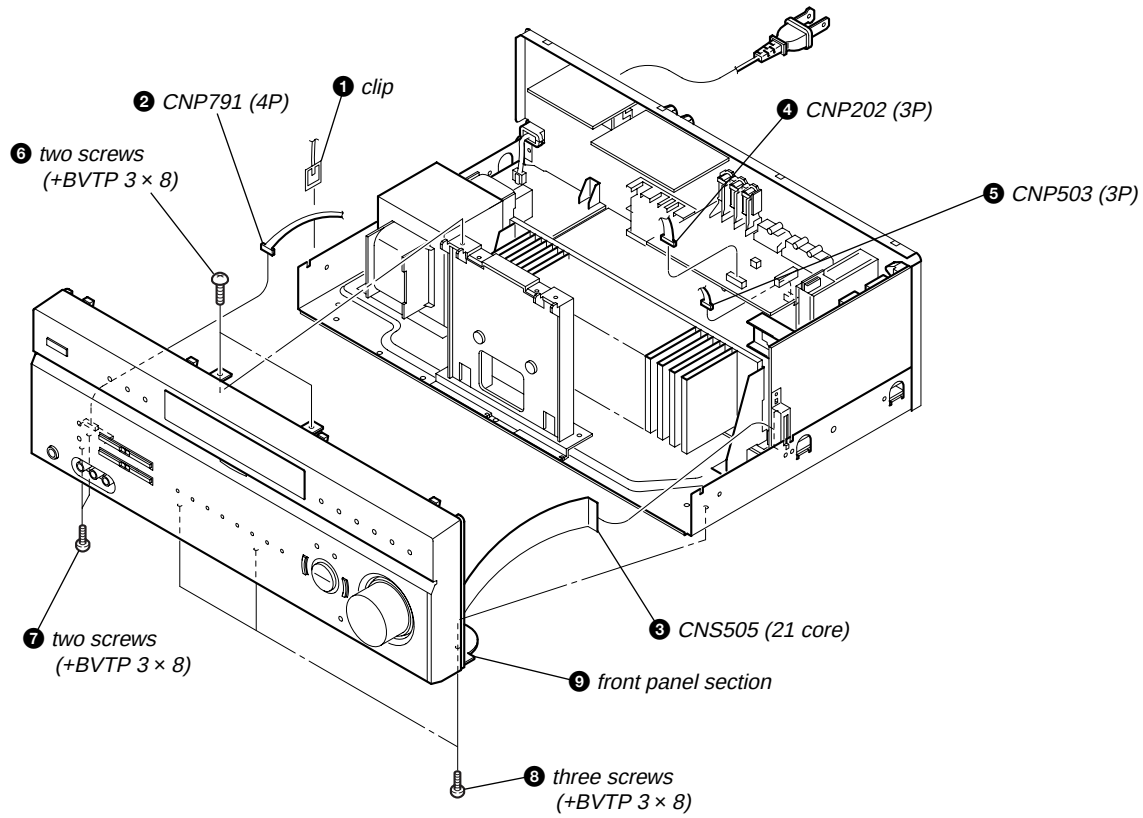


Note : Follow the disassembly procedure in the numerical order given.

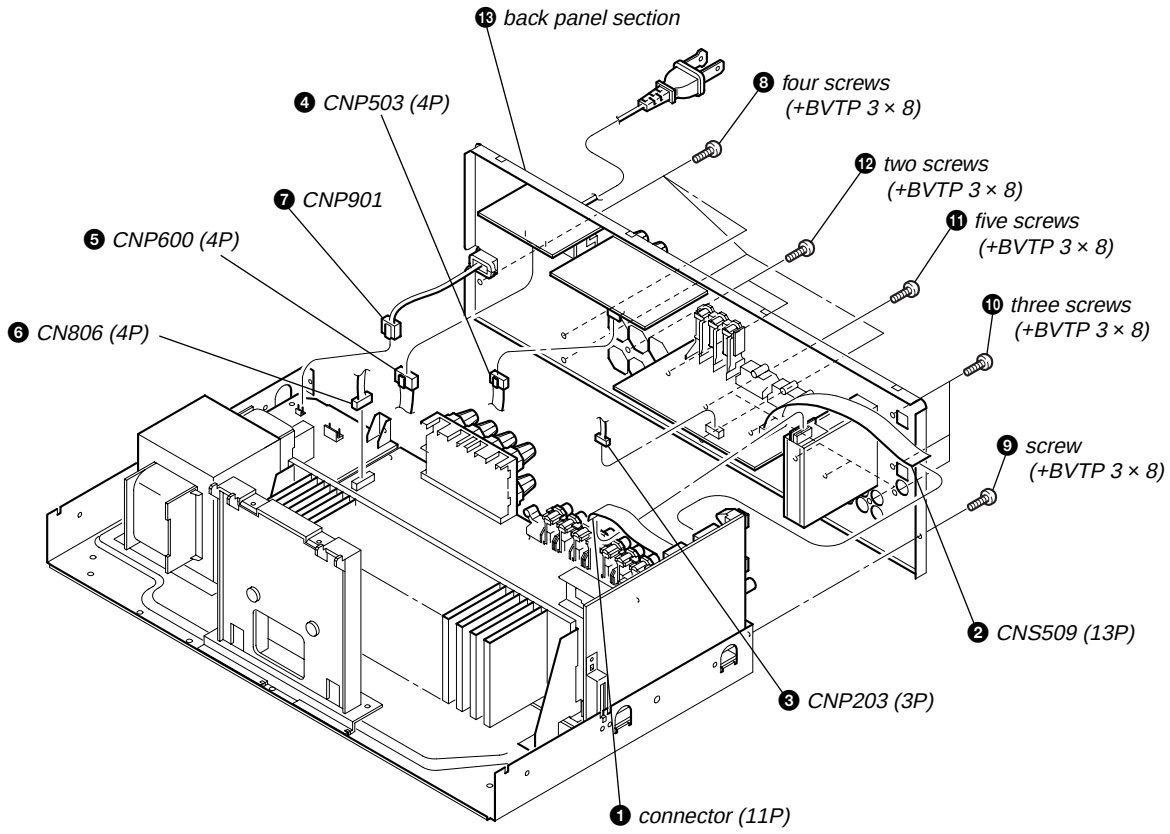
2-1. CASE



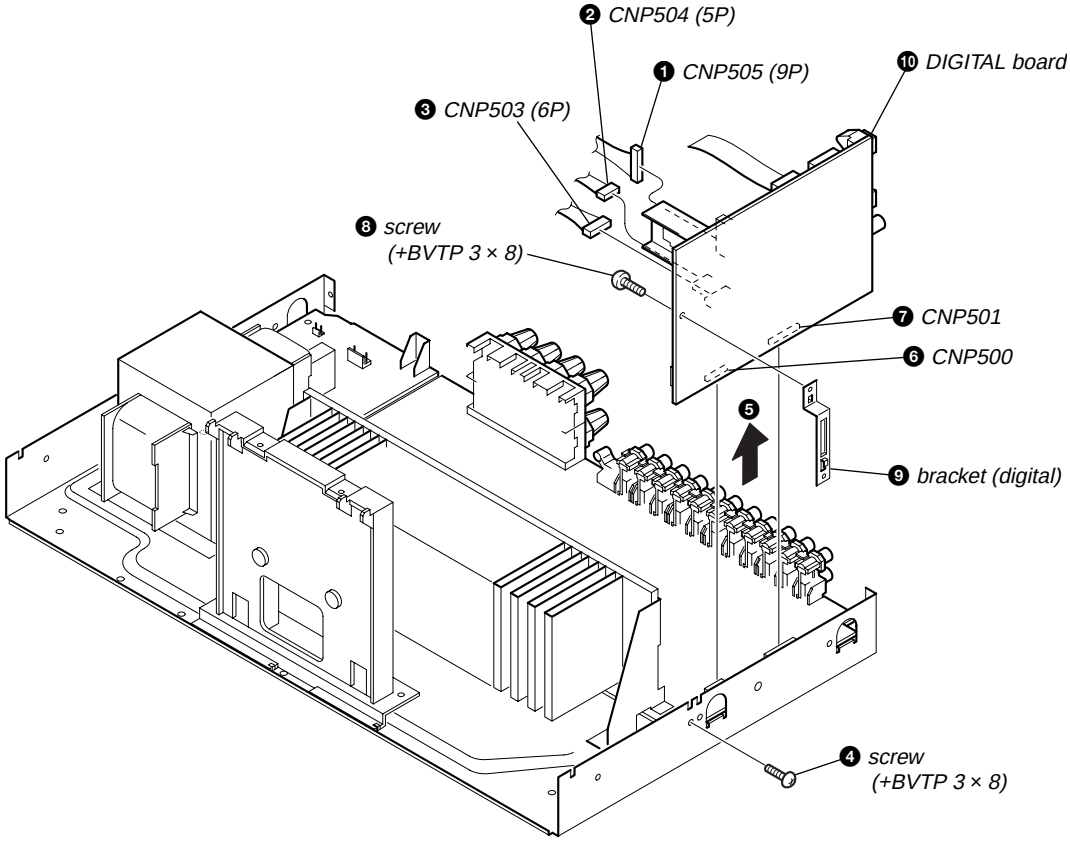
2-2. FRONT PANEL SECTION



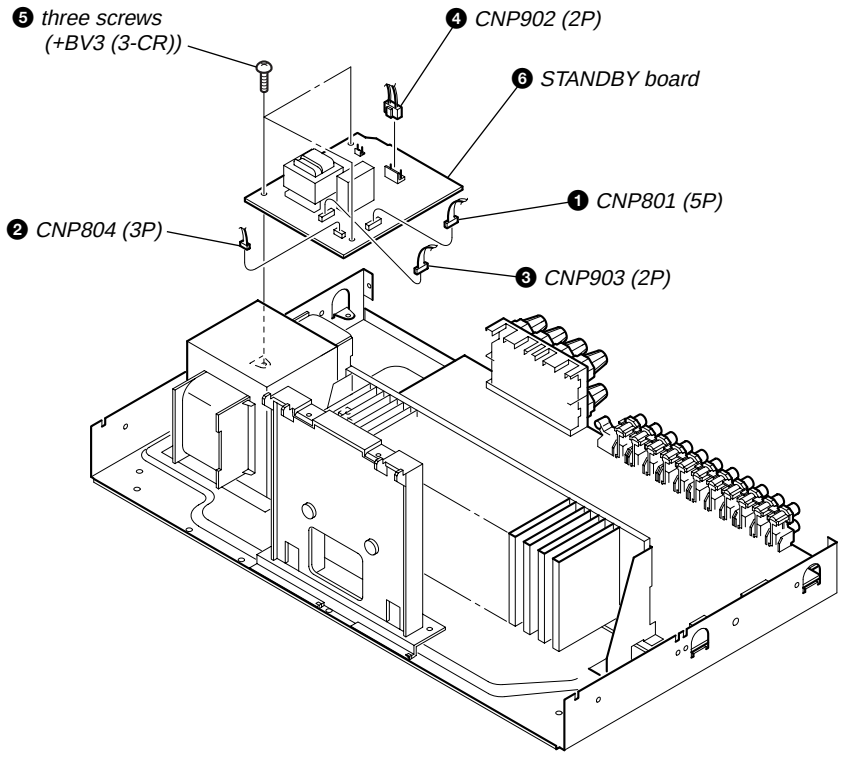
2-3. BACK PANEL SECTION



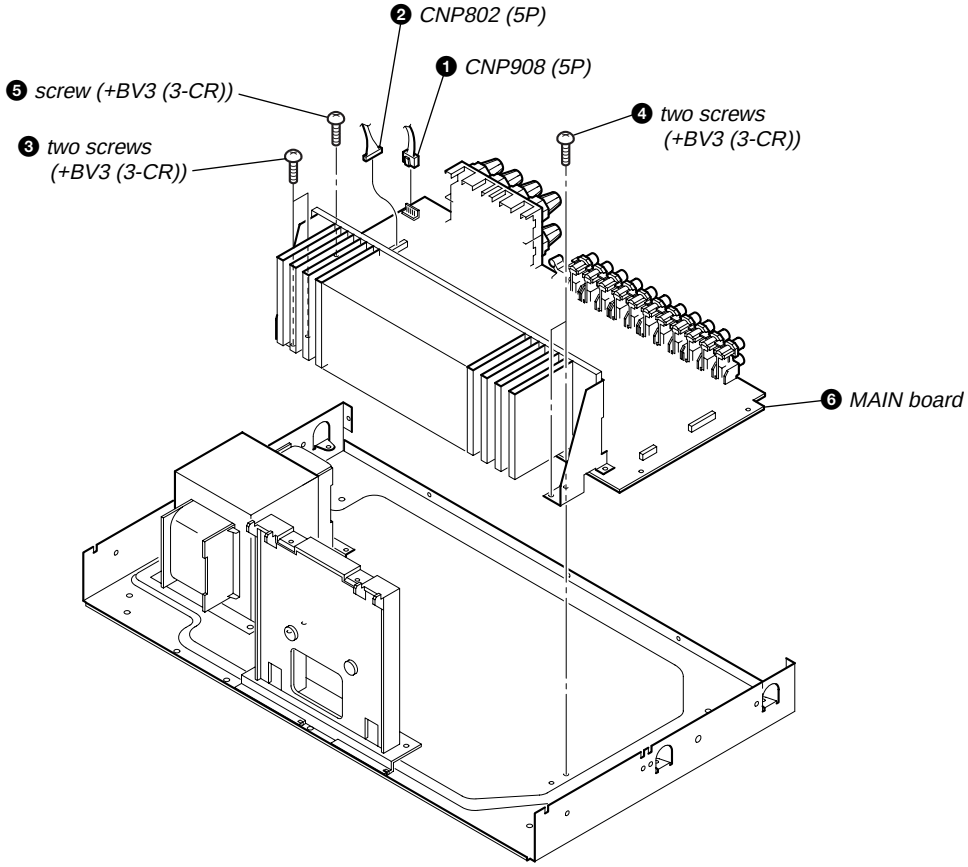
2-4. DIGITAL BOARD



2-5. STANDBY BOARD



2-6. MAIN BOARD



SECTION 3
TEST MODE

FACTORY PRESET MODE

* All preset contents are reset to the default setting.
* Procedure:
  While depressing the [FM MODE] and the [DISPLAY] 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.

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:
  Press the [AM] button to set AM and press the [I/⏻] button to turn off the main power.
  While depressing the [PRESET TUNING +] button or the [TUNING +] button, press the [I/⏻] button to turn on the main power.
  Either the message "9k STEP" or "10k STEP" appears for a moment and select the desired step.

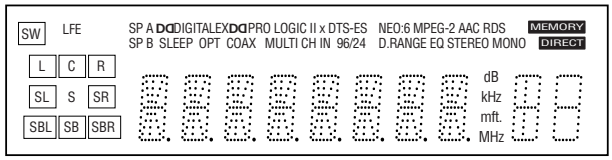
SPEAKER SIZE SELECTION MODE

* Either the normal speaker or micro satellite speaker can be selected.
* Procedure:
  While depressing the [DIMMER] button, press the [I/⏻] button to turn on the main power.
  Either the message "NORM. SP." or "MICRO SP." appears for a moment and select the desired speaker size.

FLUORESCENT INDICATOR TUBE TEST MODE

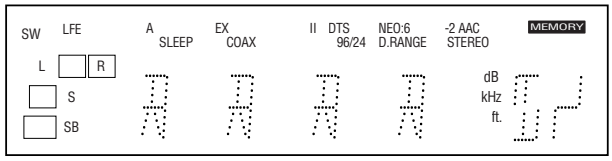
* All fluorescent segments are tested.
  When this test is activated, all segments light on at the same time, then each segment lights on one after another.
* Procedure:
  While depressing the [TUNING –] and the [SPEAKERS (OFF/A/B/A+B)] buttons simultaneously, press the [I/⏻] button to turn on the main power.

1. ALL segments light on.



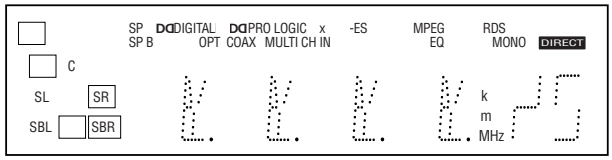
[2CH], [A.F.D.], [MOVIE], [MUSIC] and [MULTI CHANNEL DECODING] LED light on.

2. Press the [VIDEO 1] button, confirm display.



[A.F.D.] and [MUSIC] LED light on.

3. Press the [VIDEO 1] button, confirm display.



[2CH], [MOVIE] and [MULTI CHANNEL DECODING] LED light on.

4. Press the [VIDEO 1] button, all segments and all LEDs light off.

5. Every pressing the [VIDEO 1] button turns on each segment and LED one after another in the same order.
   (Not only the [VIDEO 1] button, but also the other buttons such as [VIDEO 2], [VIDEO 3], [DVD], [MD/TAPE], [SA-CD/CD], [FM] and [AM] can be used.)

SOUND FIELD CLEAR MODE

* The preset sound field is cleared when this mode is activated.
  Use this mode before returning the product to clients upon completion of repair.
* Procedure:
  While depressing the [2CH] button, press the [I/⏻] button to turn on the main power.
  The message "SF. CLR." appears for a moment and initialization is performed.

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.
* Procedure:
  While depressing the [TUNING –] 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

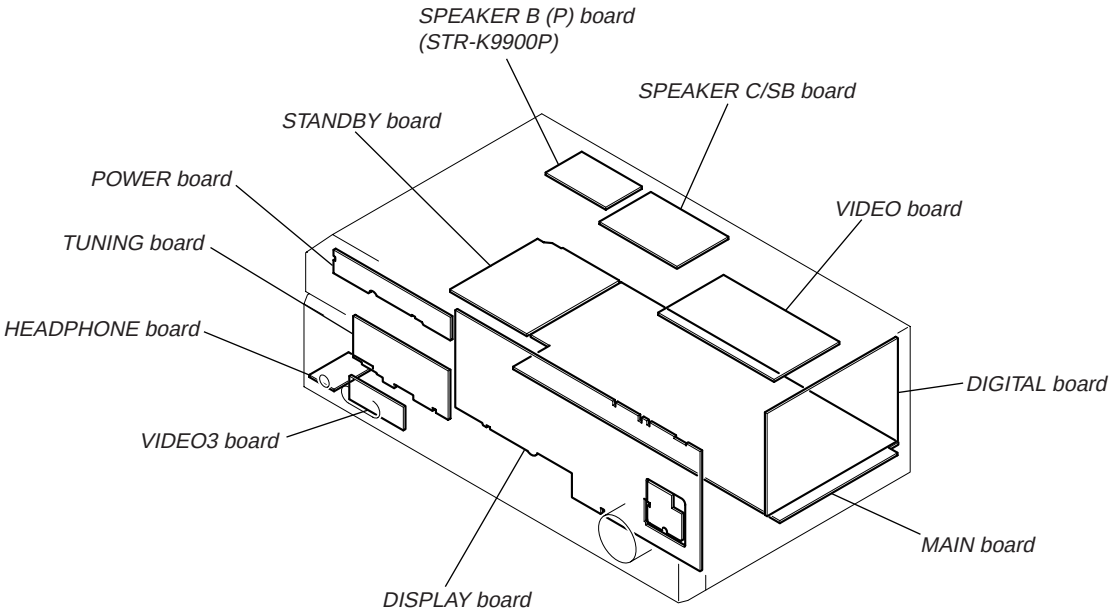
* Button check
* Procedure:
  While depressing the [TUNING –] and the [MAIN MENU] buttons simultaneously, press the [I/⏻] button to turn on the main power.
  Either the message "REST 30" appears.
  Every pressing of any button other than the [I/⏻] counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed "REST 00" appears.

COMMAND MODE SELECTION MODE

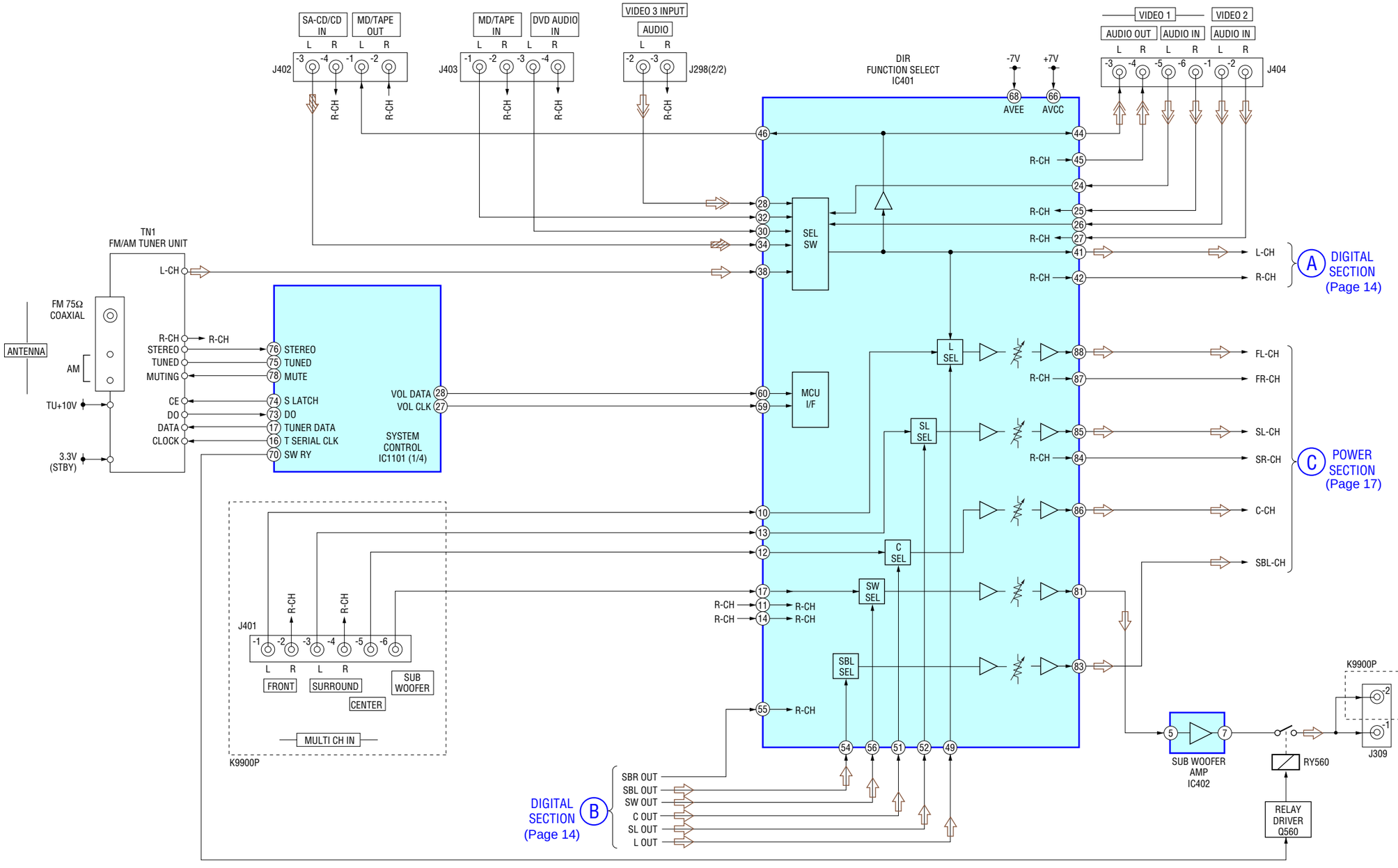
* The command mode (AV1 or AV2) of the remote commander can be selected.
* Procedure:
  While depressing the [ENTER] button, press the [I/⏻] button to turn on the main power.
  Either the message "C.MODE.AV 1" or "C.MODE.AV 2" appears for a moment and select the desired mode.

SECTION 4
DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION

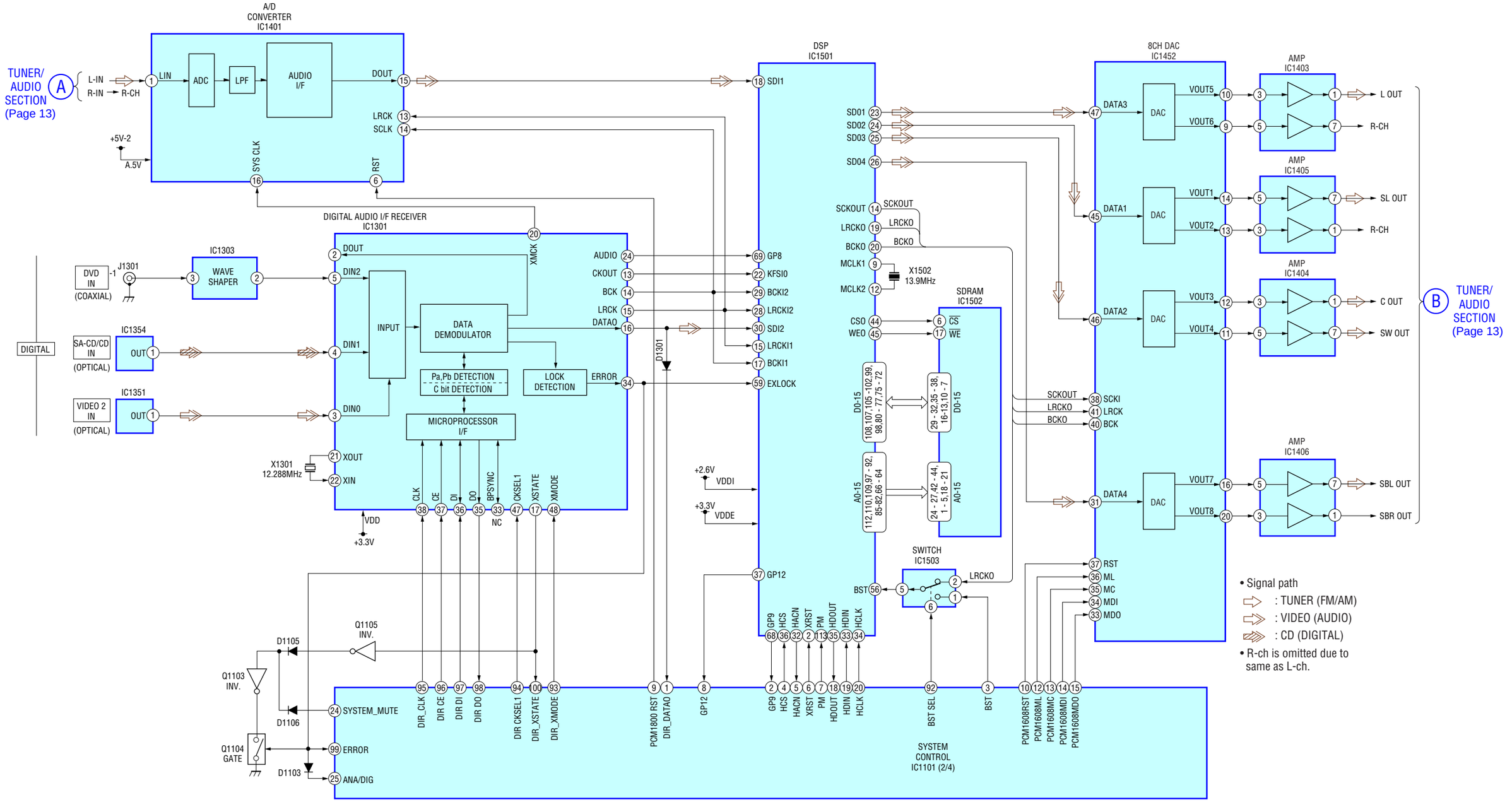


4-2. BLOCK DIAGRAM — TUNER/AUDIO SECTION —

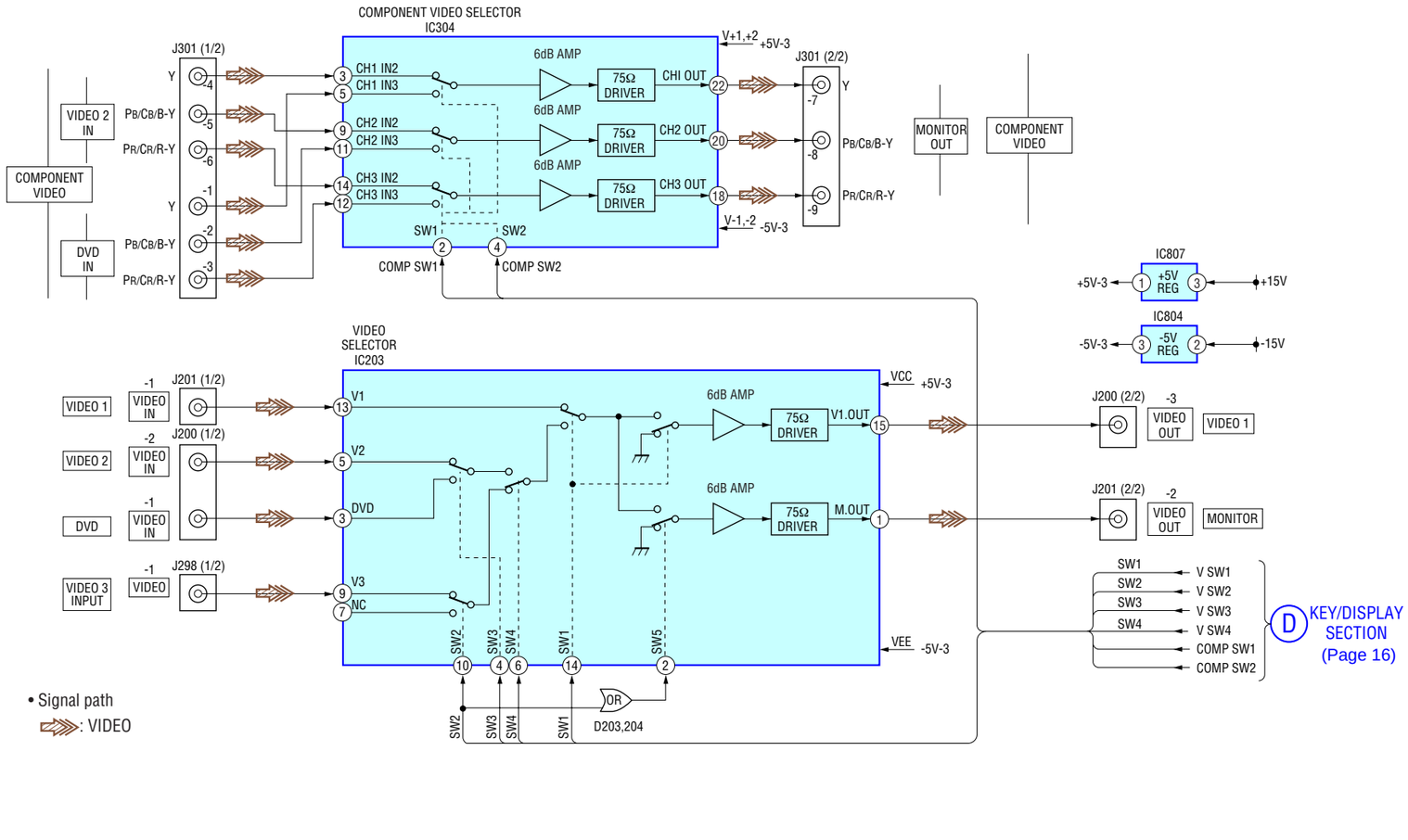


- Signal path
  - : TUNER (FM/AM)
  - : VIDEO (AUDIO)
  - : CD (ANALOG)
- R-ch is omitted due to same as L-ch.

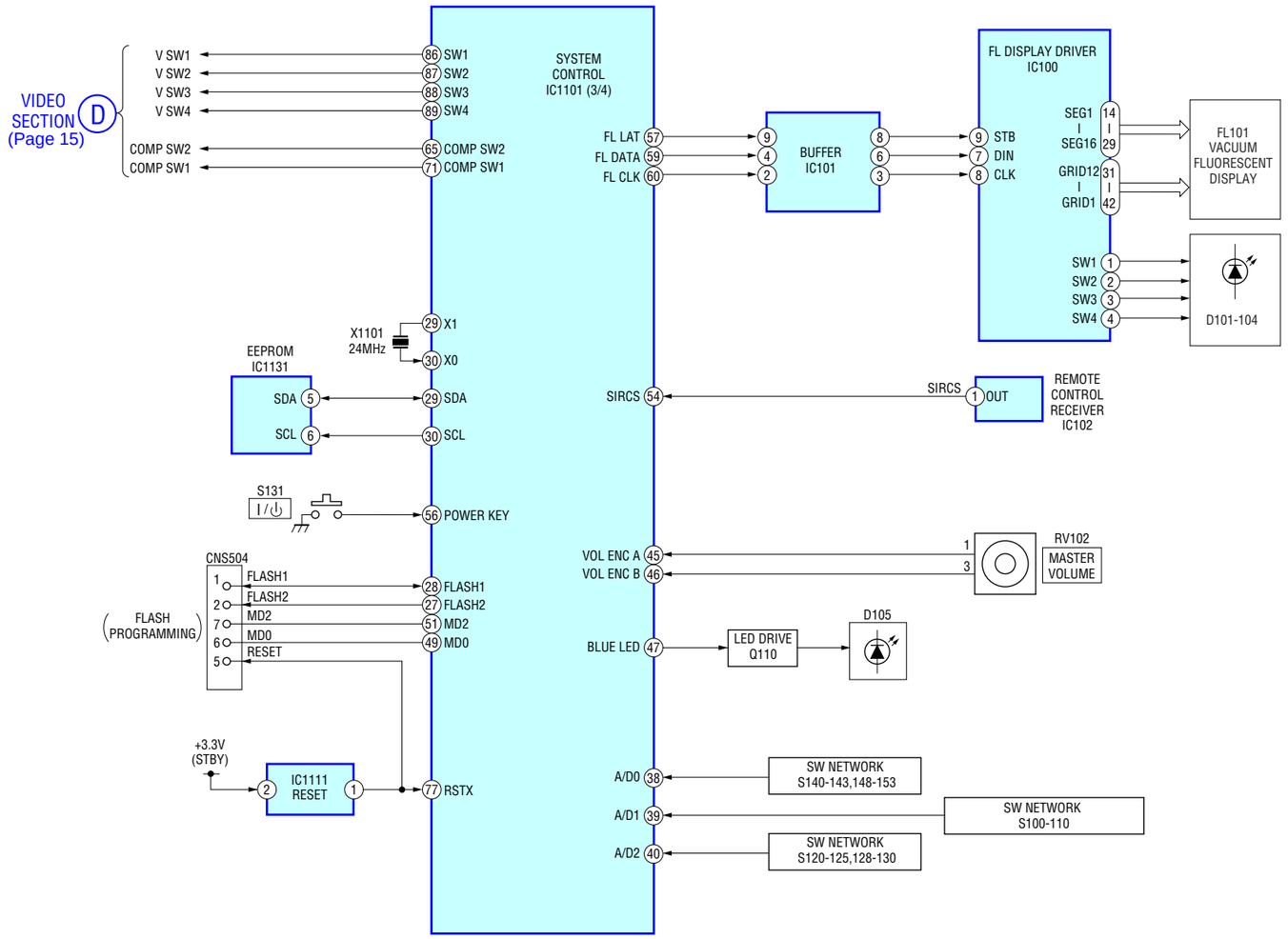
4-3. BLOCK DIAGRAM — DIGITAL SECTION —



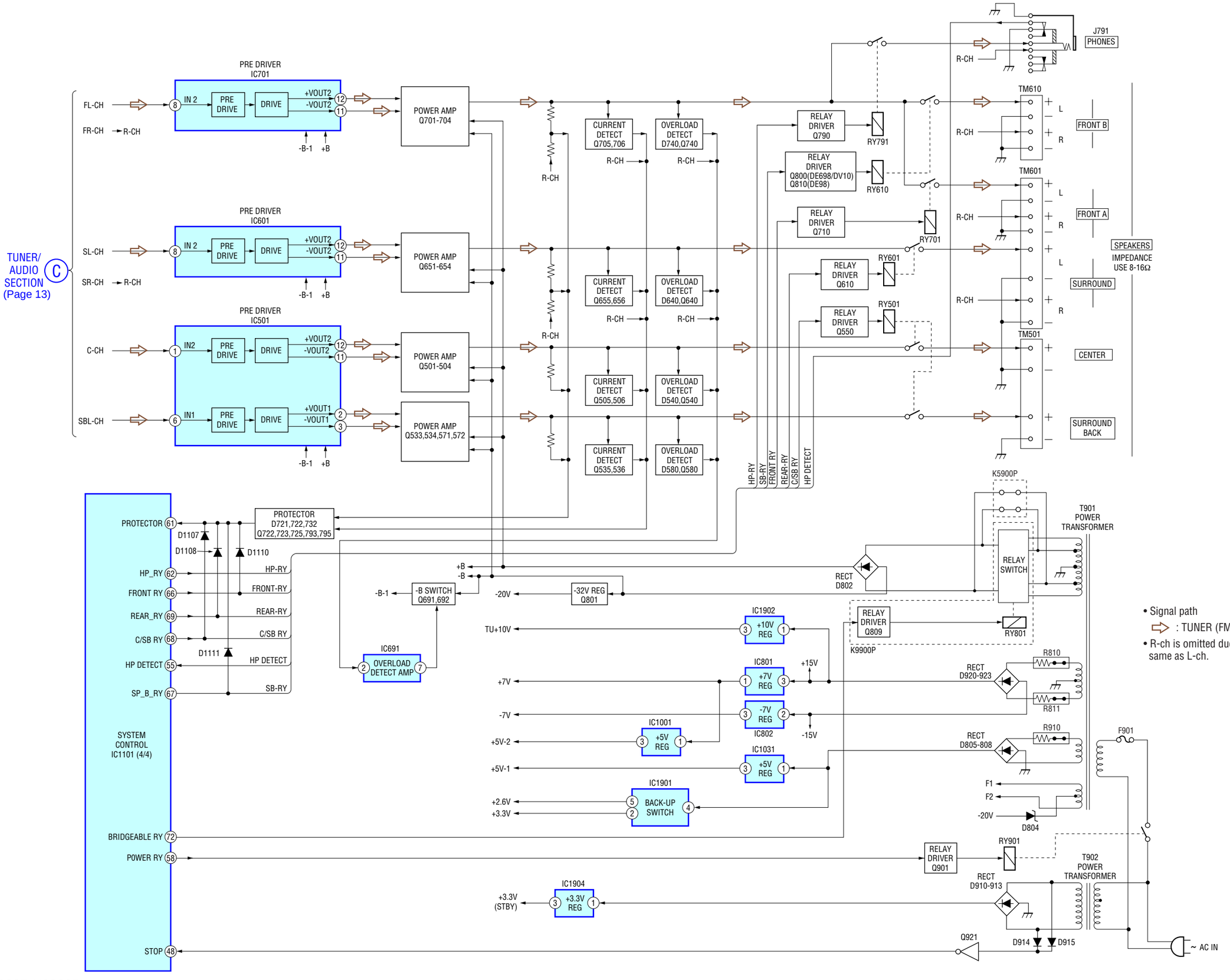
4-4. BLOCK DIAGRAM — VIDEO SECTION —



4-5. BLOCK DIAGRAM — KEY/DISPLAY SECTION —



4-6. 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 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

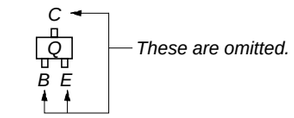
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

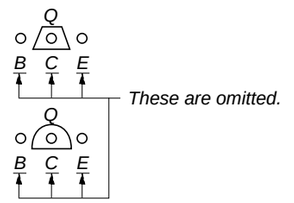
- : B+ Line.
- : B– Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. 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.
- △ : internal component.
- : Pattern from the side which enables seeing.

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



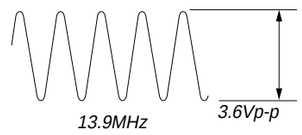


• Waveforms
— DIGITAL Board —

① IC1301 ⑬ (CKOUT)

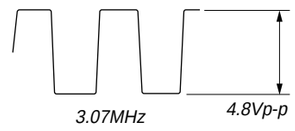
1V/DIV, 50nsec/DIV

⑤ IC1501 ⑫ (MCLK2)



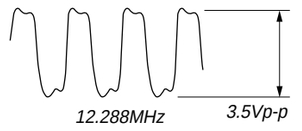
1V/DIV, 50nsec/DIV

② IC1301 ⑭ (BCK)



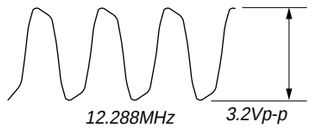
1V/DIV, 0.2µs/DIV

⑥ IC1501 ⑭ (SCKOUT)



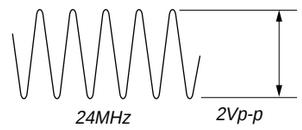
1V/DIV, 50nsec/DIV

③ IC1301 ㉑ (XOUT)



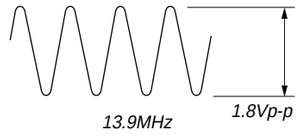
1V/DIV, 50nsec/DIV

⑦ IC1101 ㉝ (X1)



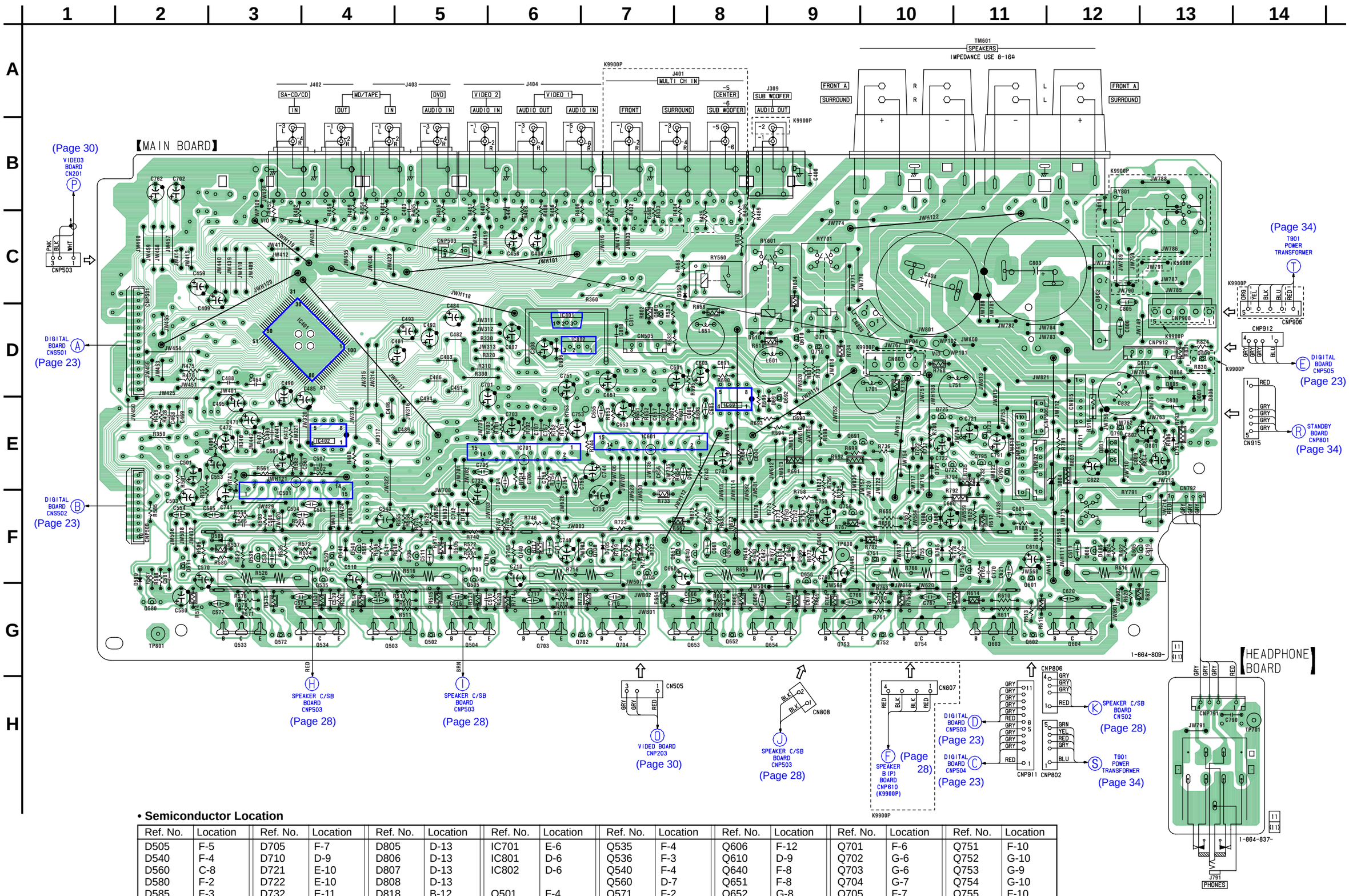
1V/DIV, 50nsec/DIV

④ IC1501 ⑨ (MCLK1)



1V/DIV, 50nsec/DIV

4-7. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 12 for Circuit Boards Location.

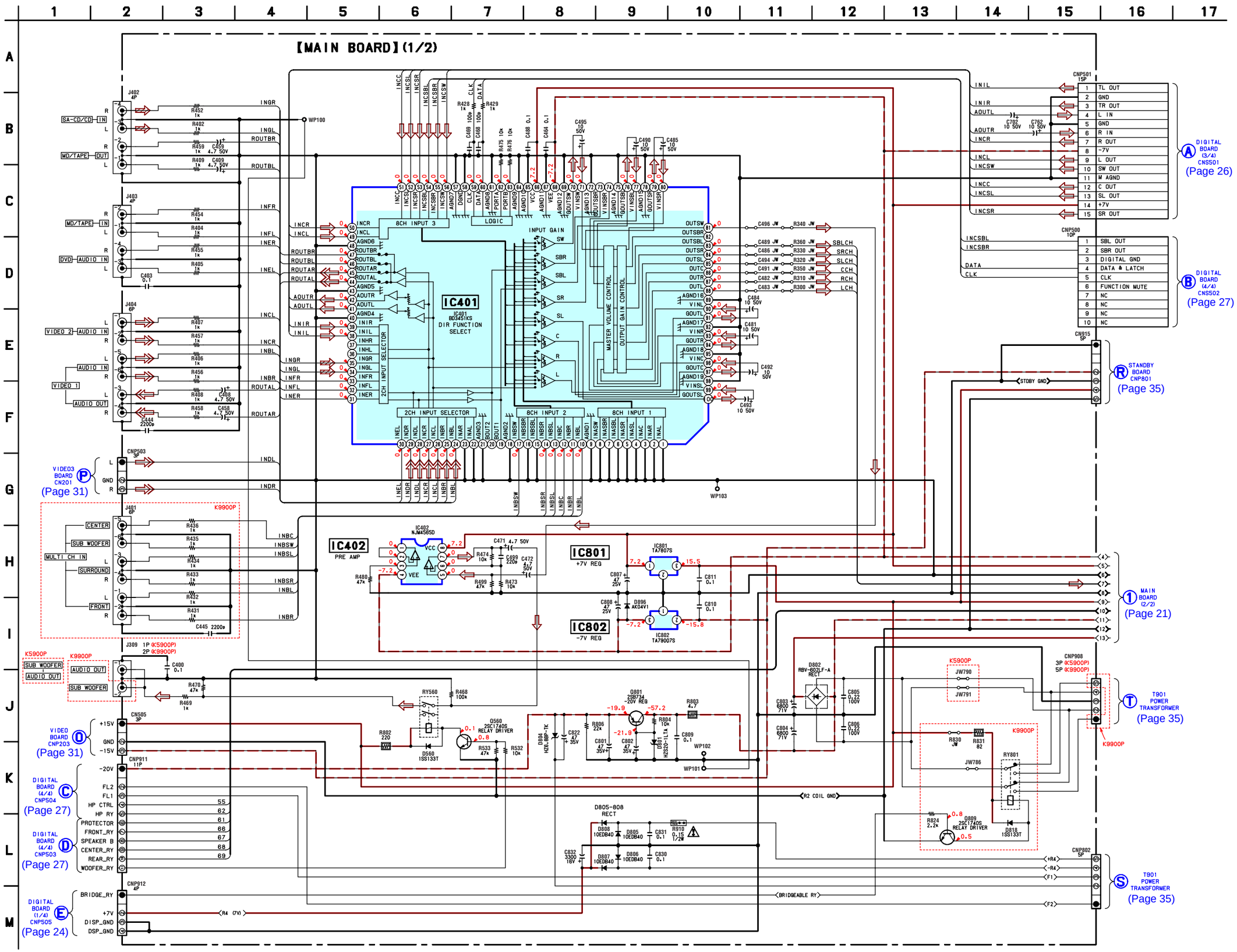


• **Semiconductor Location**

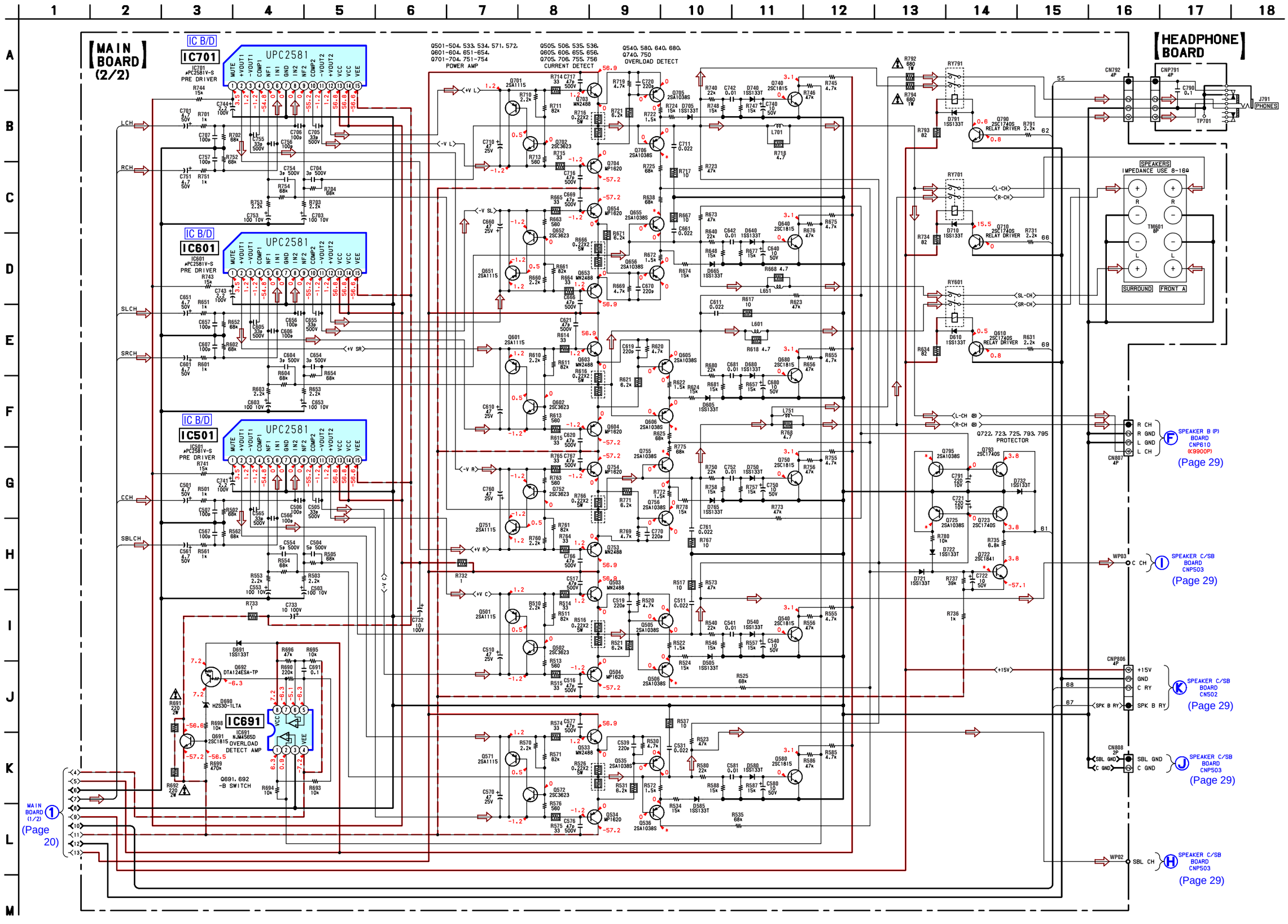
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	F-5	D705	F-7	D805	D-13	IC701	E-6	Q535	F-4	Q606	F-12	Q701	F-6	Q751	F-10
D540	F-4	D710	D-9	D806	D-13	IC801	D-6	Q536	F-3	Q610	D-9	Q702	G-6	Q752	G-10
D560	C-8	D721	E-10	D807	D-13	IC802	D-6	Q540	F-4	Q640	F-8	Q703	G-6	Q753	G-9
D580	F-2	D722	E-10	D808	D-13			Q560	D-7	Q651	F-8	Q704	G-7	Q754	G-10
D585	F-3	D732	E-11	D818	B-12	Q501	F-4	Q571	F-2	Q652	G-8	Q705	F-7	Q755	F-10
D605	F-12	D740	F-5	D896	D-6	Q502	G-5	Q572	G-3	Q653	G-8	Q706	F-7	Q756	F-11
D610	D-8	D750	F-9			Q503	G-4	Q580	G-2	Q654	G-9	Q710	D-9	Q790	E-12
D640	F-9	D765	F-10	IC401	D-4	Q504	G-5	Q601	F-11	Q655	F-8	Q722	E-11	Q793	E-11
D665	F-9	D791	E-13	IC402	E-4	Q505	F-5	Q602	G-11	Q656	F-9	Q723	E-11	Q795	E-11
D680	F-10	D801	E-13	IC501	F-3	Q506	F-5	Q603	G-11	Q680	F-10	Q725	E-10	Q801	E-12
D690	E-9	D802	C-12	IC601	E-7	Q533	G-3	Q604	G-12	Q691	E-10	Q740	F-6	(Q809)	D-13
D691	E-9	D804	E-12	IC691	E-8	Q534	G-4	Q605	F-12	Q692	E-9	Q750	F-9		

( ): STR-K9900P only

4-8. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) —

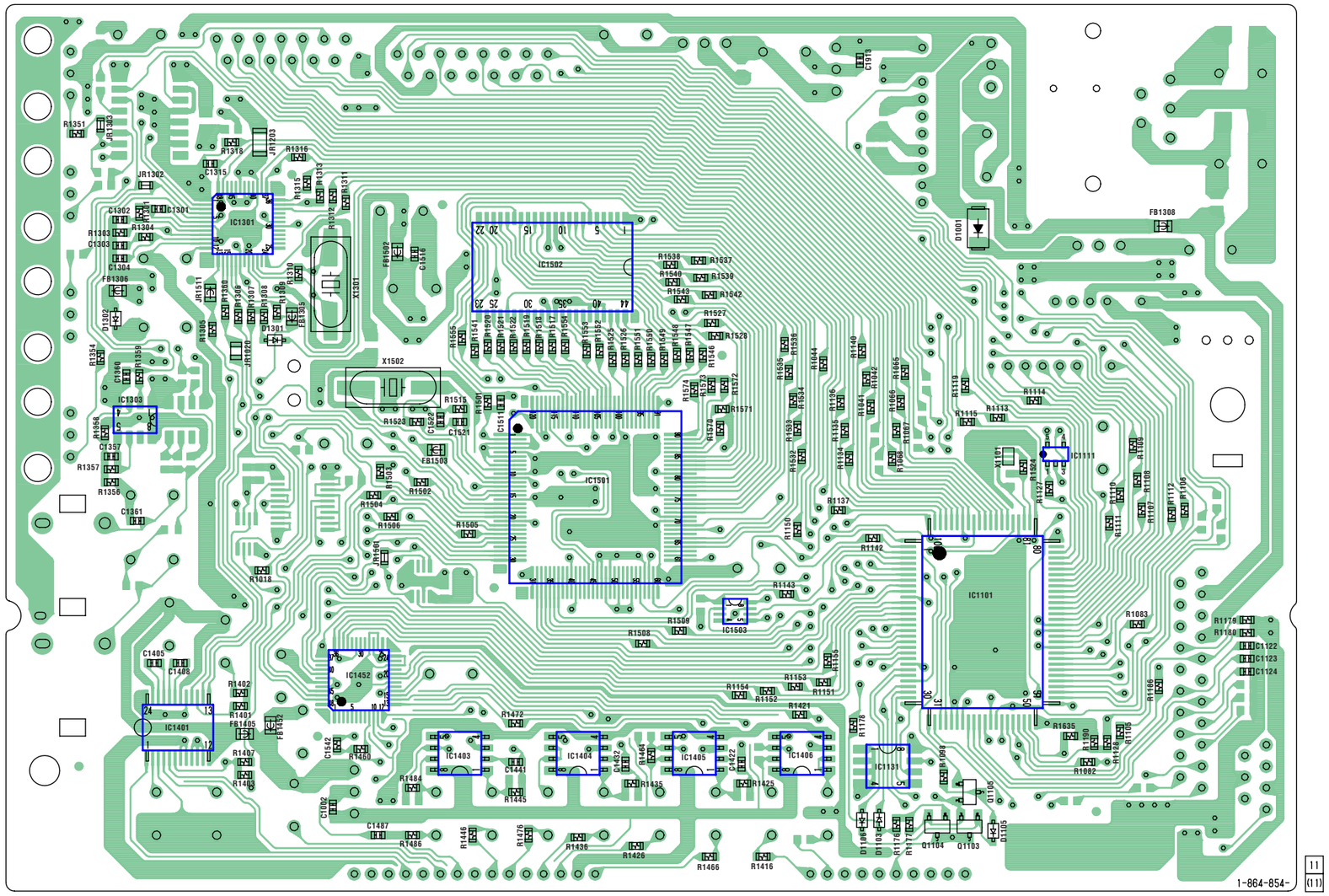


4-9. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 36 for IC Block Diagrams.



4-10. PRINTED WIRING BOARD — DIGITAL SECTION (1/2) — **• Refer to page 12 for Circuit Boards Location.**

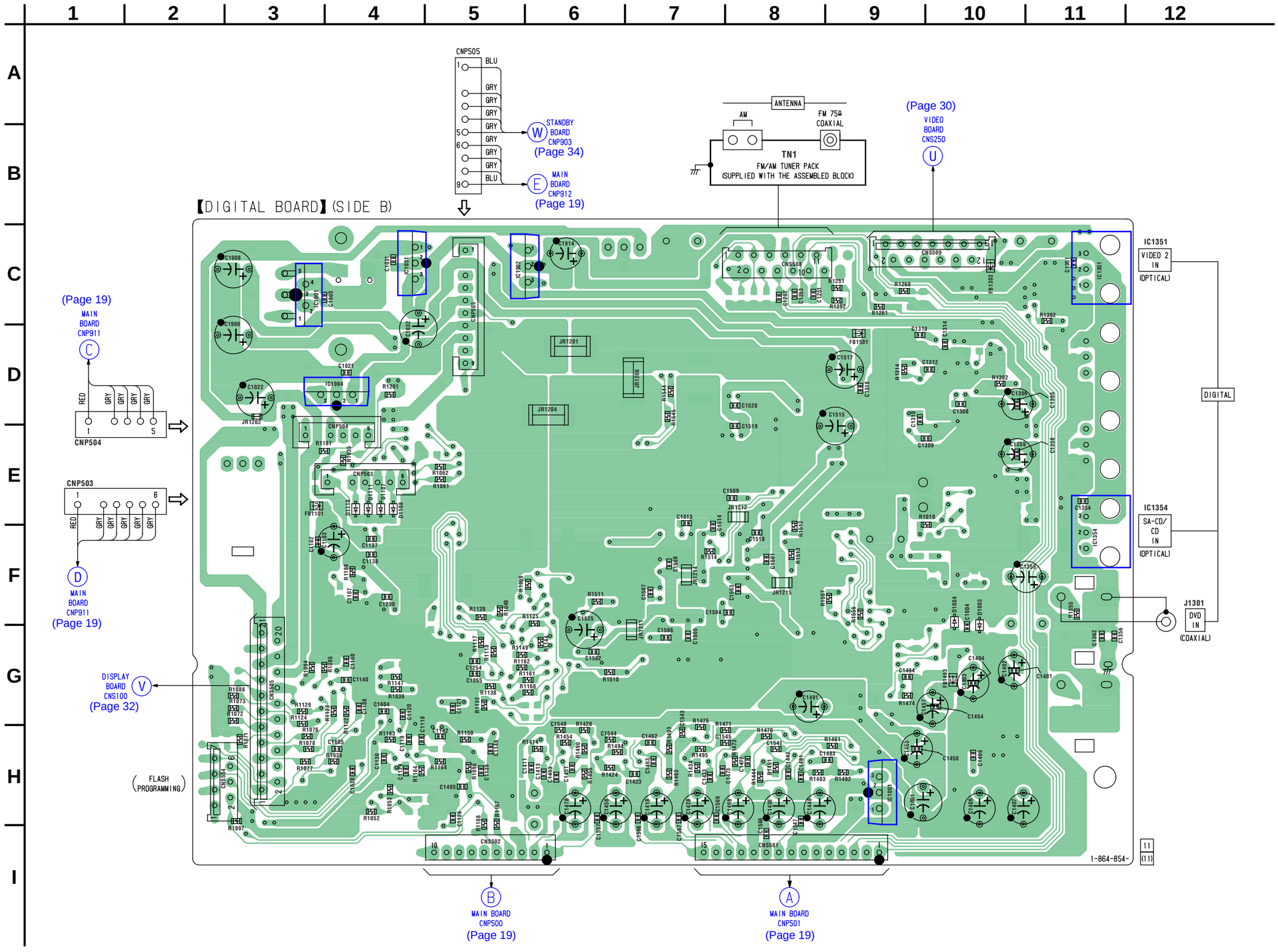
【DIGITAL BOARD】(SIDE A)



- **Semiconductor Location (Side A)**

Ref. No.	Location
D1001	D-4
D1103	I-5
D1105	I-4
D1106	I-5
D1301	E-10
D1302	E-11
IC1101	G-4
IC1111	F-4
IC1131	H-5
IC1301	D-10
IC1303	E-11
IC1401	H-10
IC1403	H-8
IC1404	H-7
IC1405	H-7
IC1406	H-6
IC1452	G-9
IC1501	F-7
IC1502	D-8
IC1503	G-6
Q1103	I-4
Q1104	I-5
Q1105	I-4

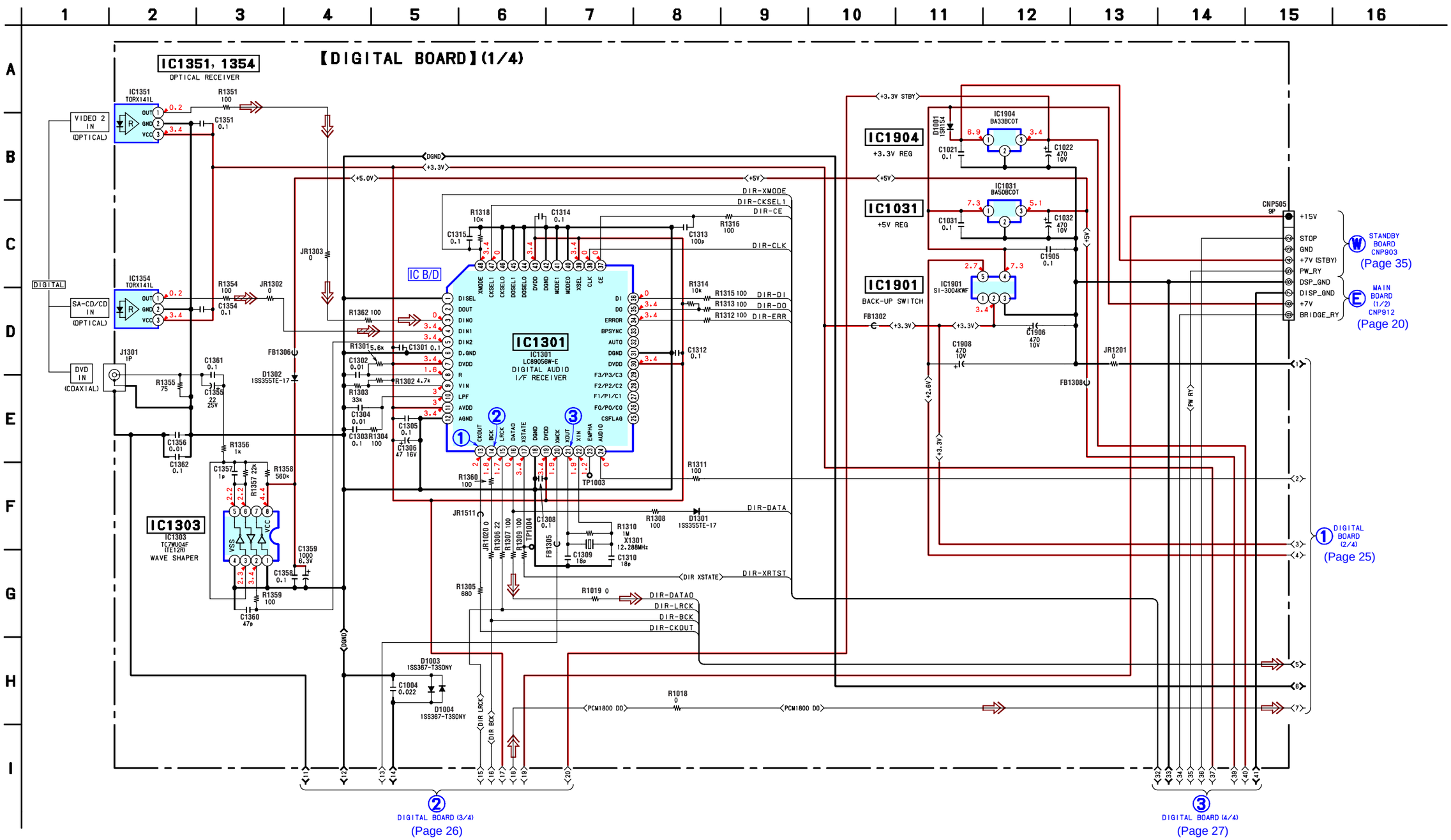
4-11. PRINTED WIRING BOARD — DIGITAL SECTION (2/2) — • Refer to page 12 for Circuit Boards Location.



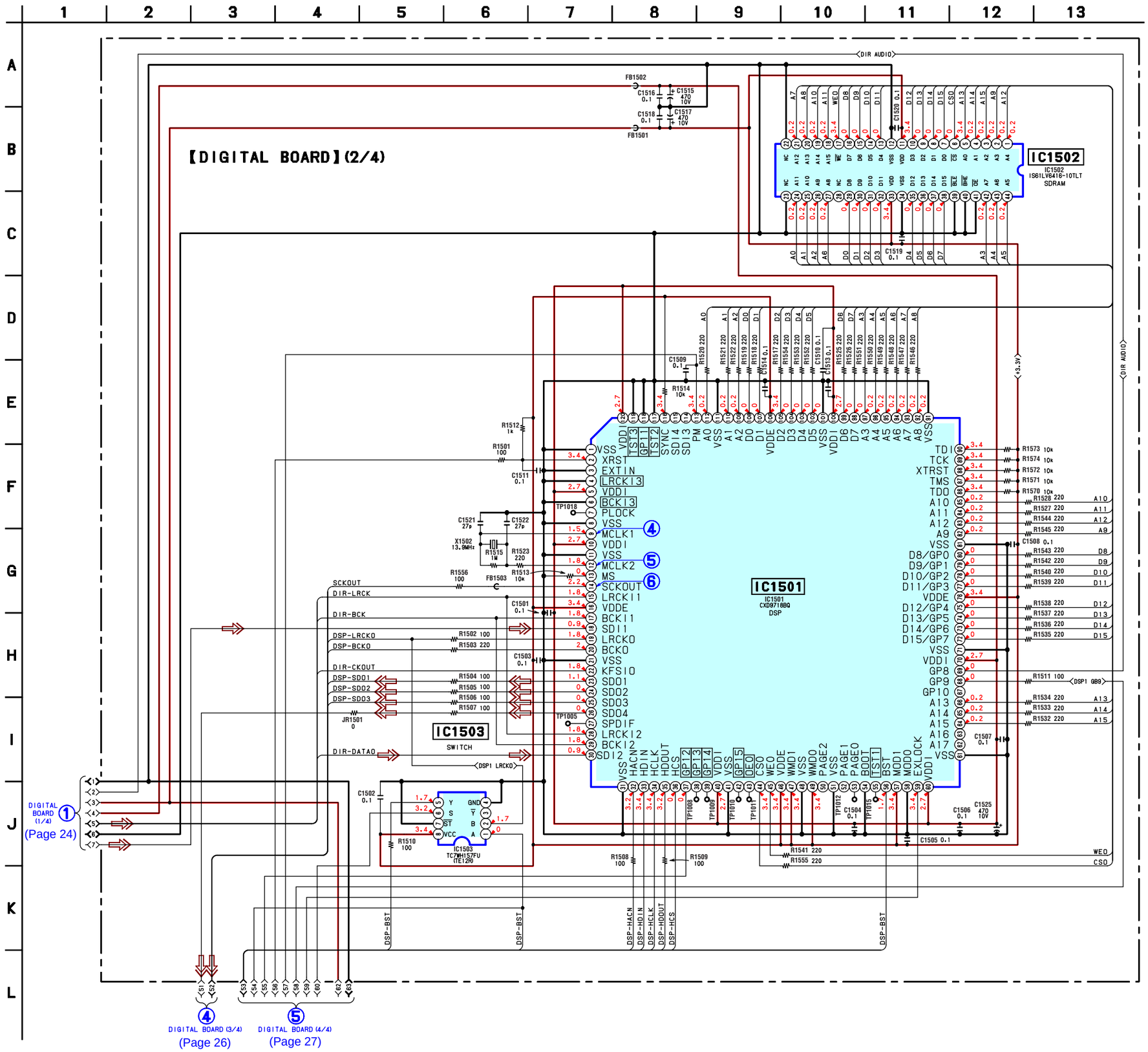
- **Semiconductor Location (Side B)**

Ref. No.	Location
D1003	F-10
D1004	F-10
D1107	E-4
D1108	E-4
D1110	E-4
D1111	E-4
IC1001	H-9
IC1031	C-4
IC1351	C-11
IC1354	F-11
IC1901	C-3
IC1902	C-6
IC1904	D-4

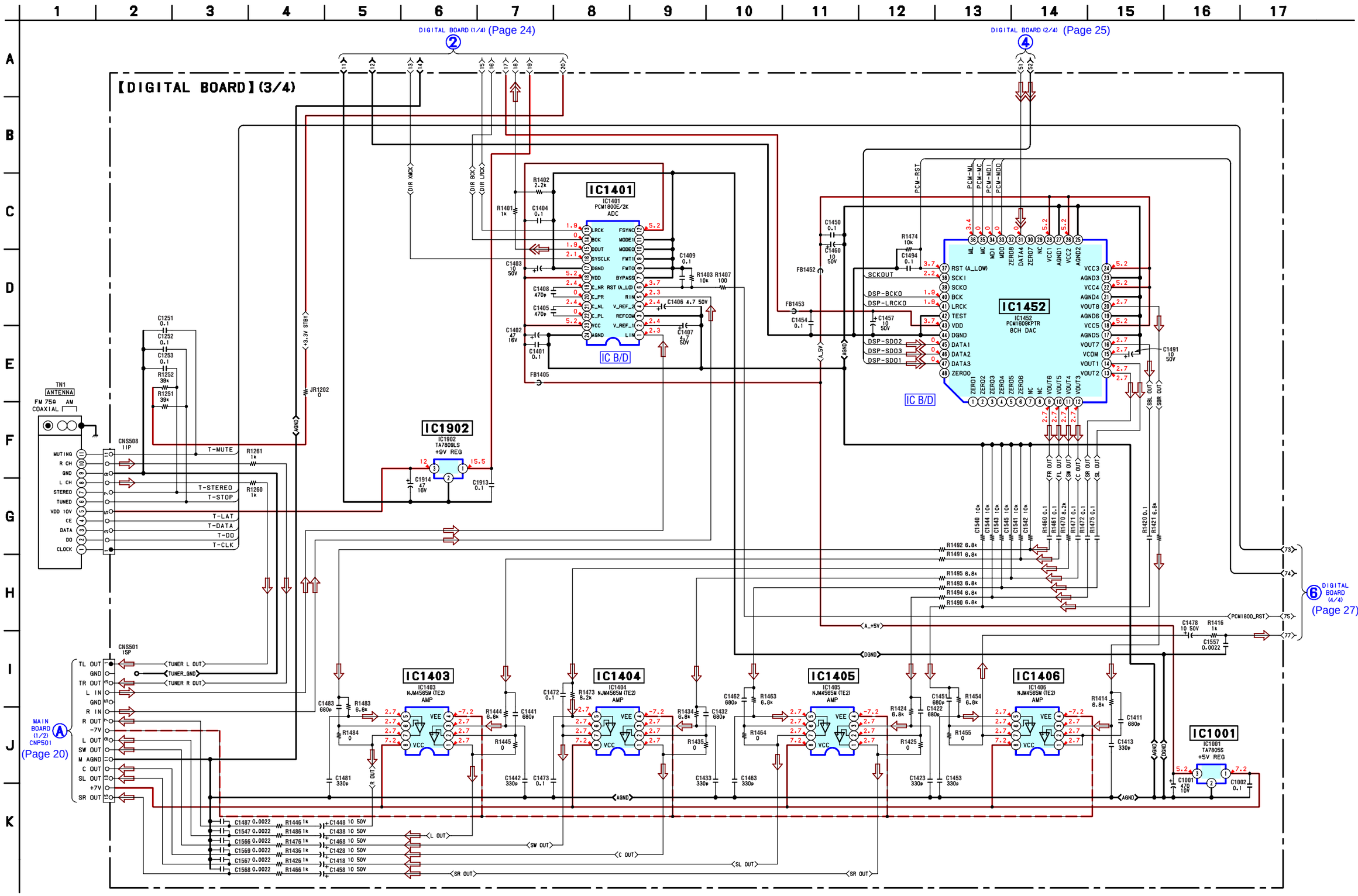
4-12. SCHEMATIC DIAGRAM — DIGITAL SECTION (1/4) — • Refer to page 18 for Waveforms and page 36 for IC Block Diagrams.



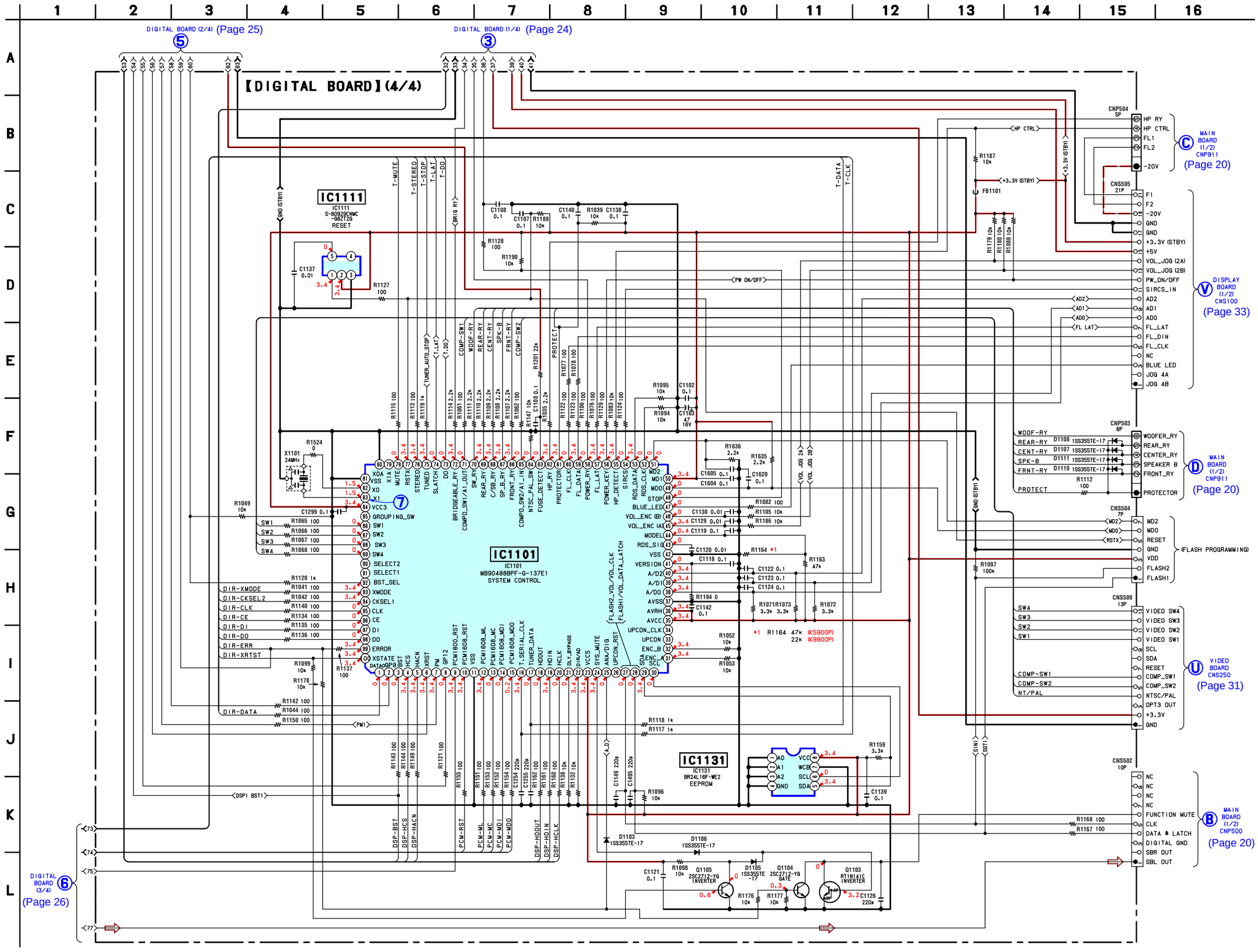
4-13. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/4) — • Refer to page 18 for Waveforms. • Refer to page 38 for IC Pin Descriptions.



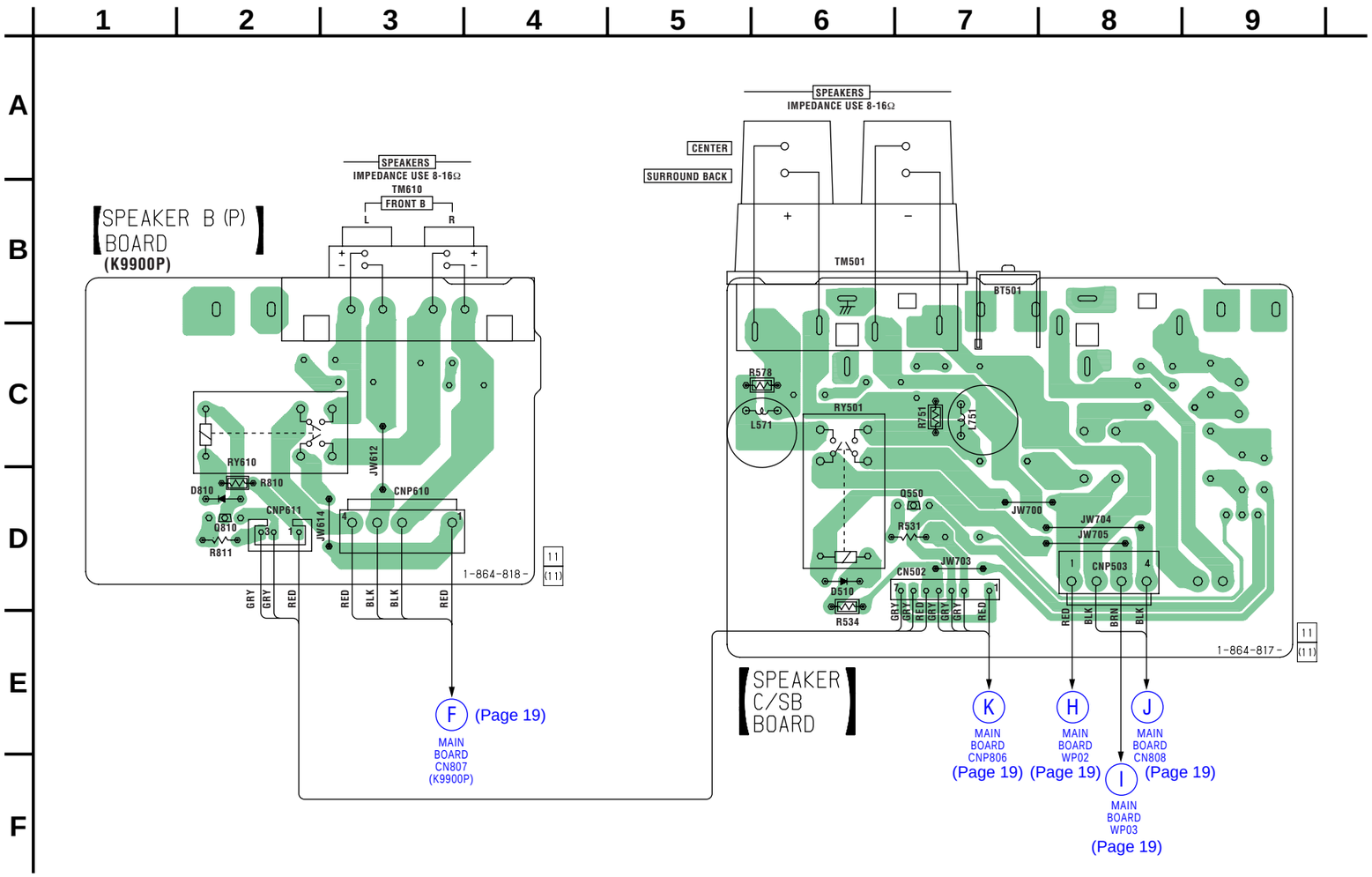
4-14. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/4) — • Refer to page 36 for IC Block Diagrams.



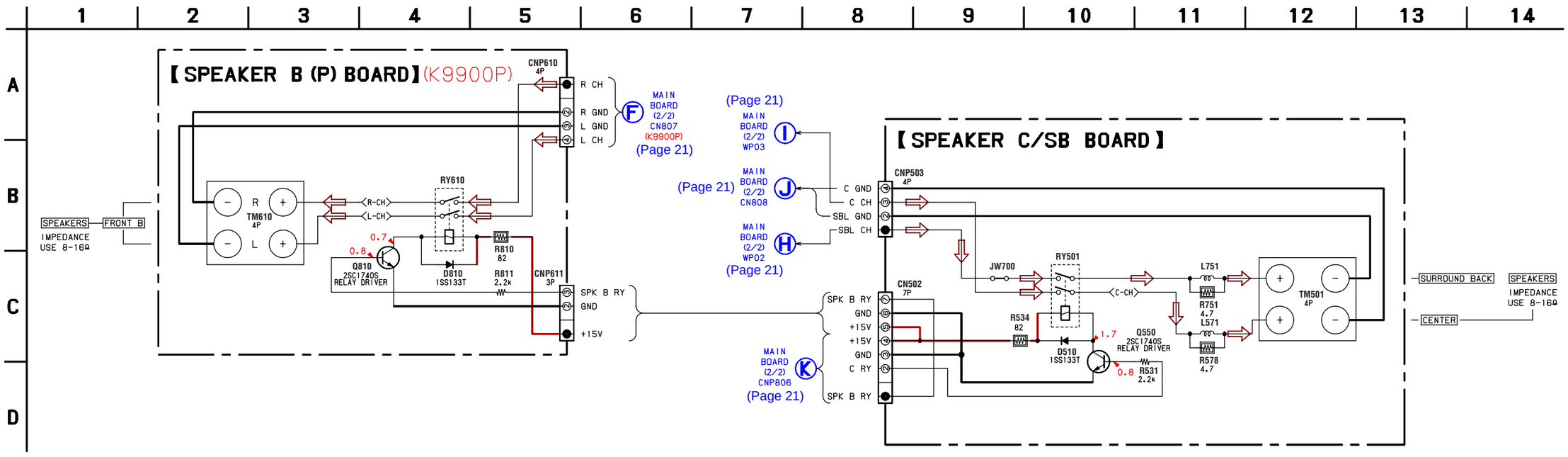
4-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (4/4) — • Refer to page 18 for Waveforms. • Refer to page 40 for IC Pin Descriptions.



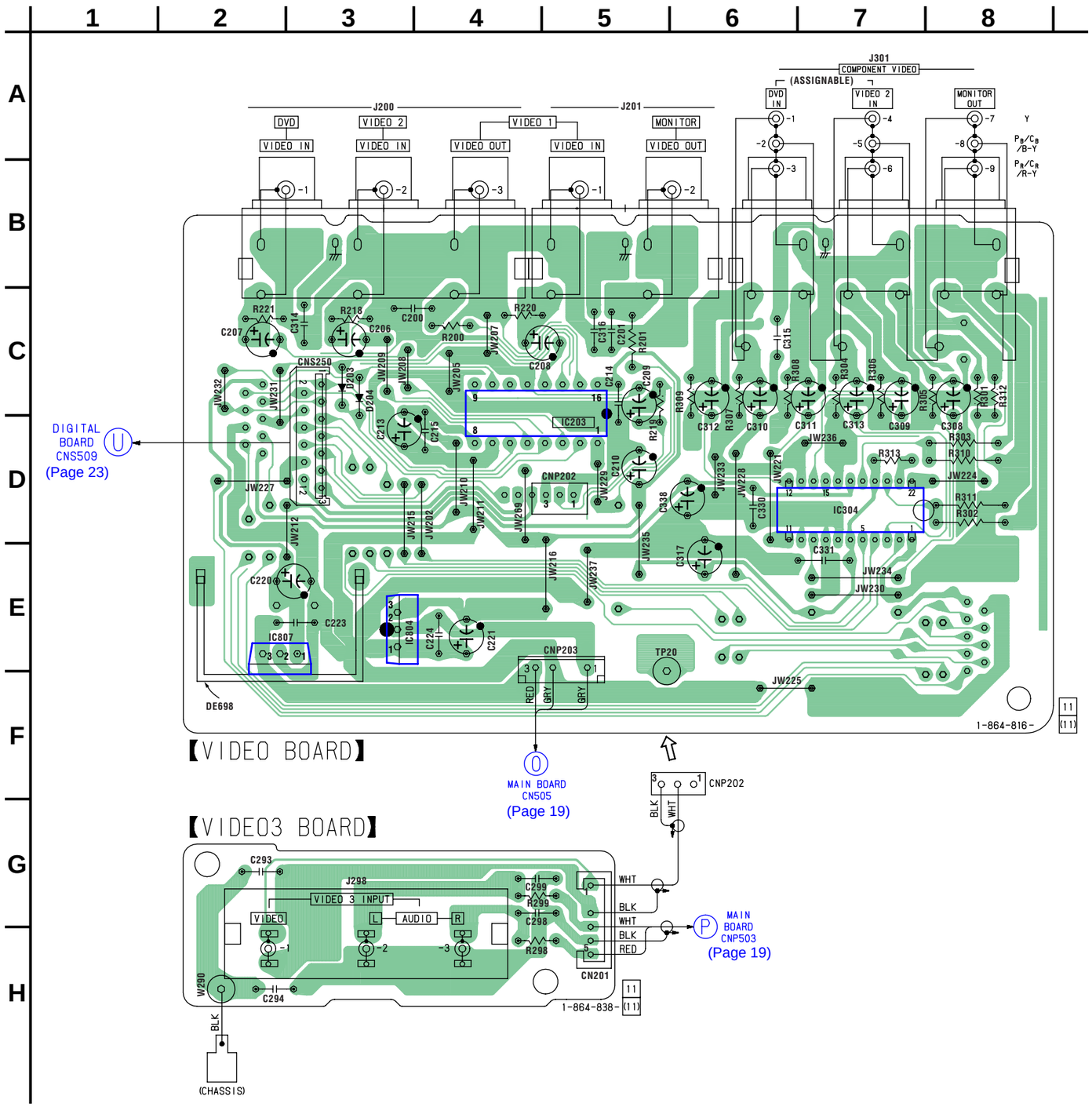
4-16. PRINTED WIRING BOARDS — SPEAKER SECTION — • Refer to page 12 for Circuit Boards Location.



4-17. SCHEMATIC DIAGRAM — SPEAKER SECTION —



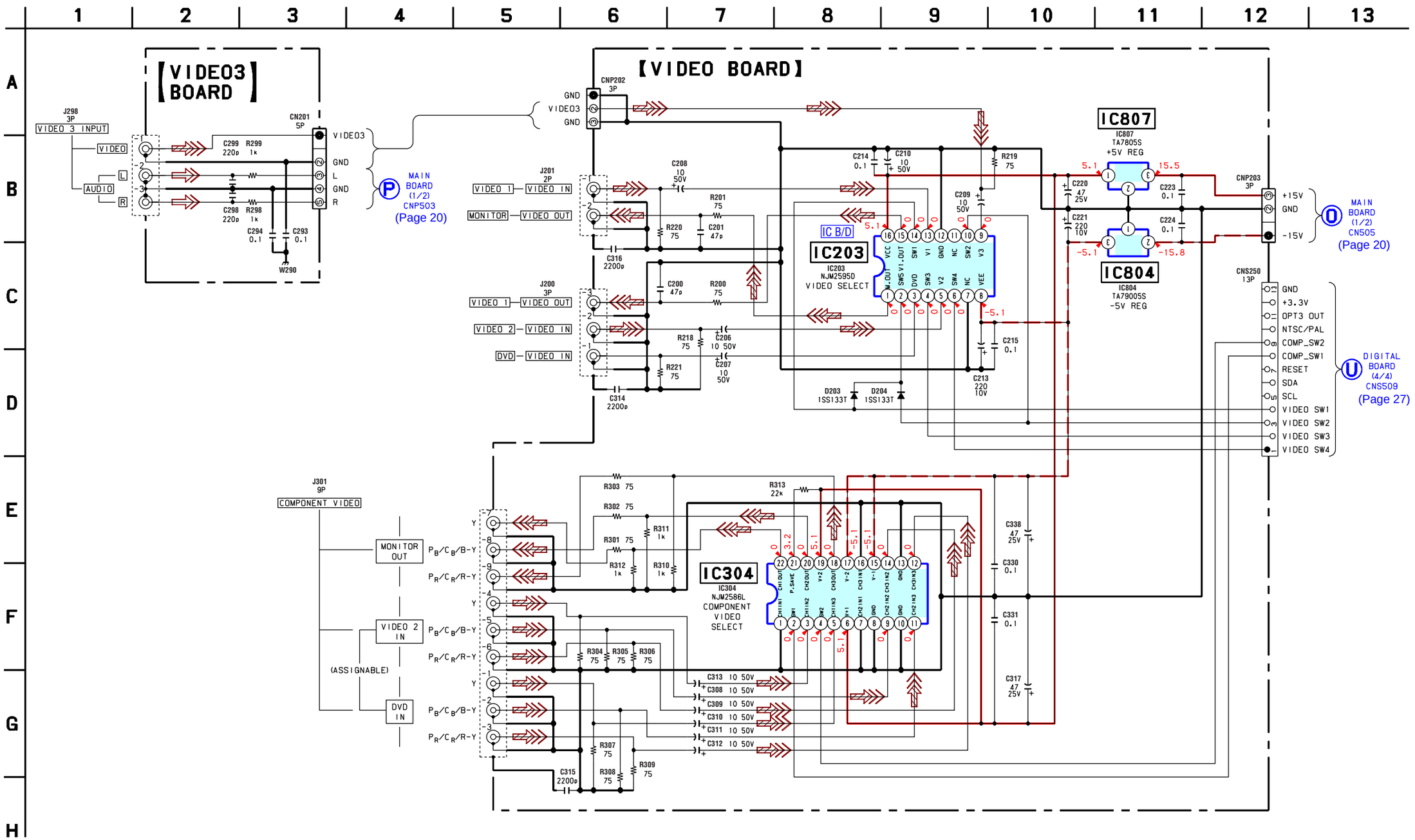
4-18. PRINTED WIRING BOARDS — VIDEO SECTION — • Refer to page 12 for Circuit Boards Location.



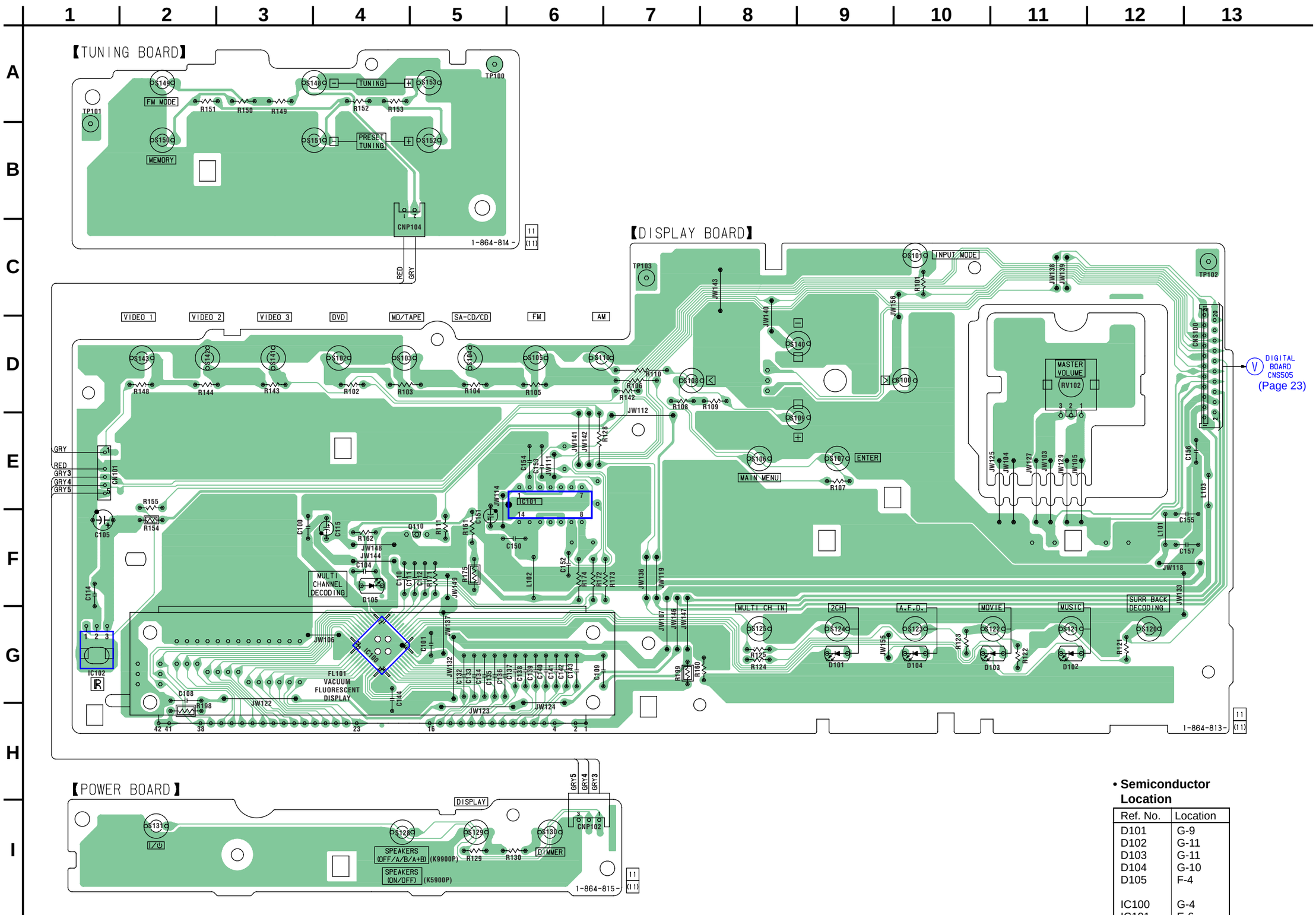
• **Semiconductor Location**

Ref. No.	Location
D203	C-3
D204	C-3
IC203	D-5
IC304	D-7
IC804	E-3
IC807	E-2

4-19. SCHEMATIC DIAGRAM — VIDEO SECTION — • Refer to page 37 for IC Block Diagrams.



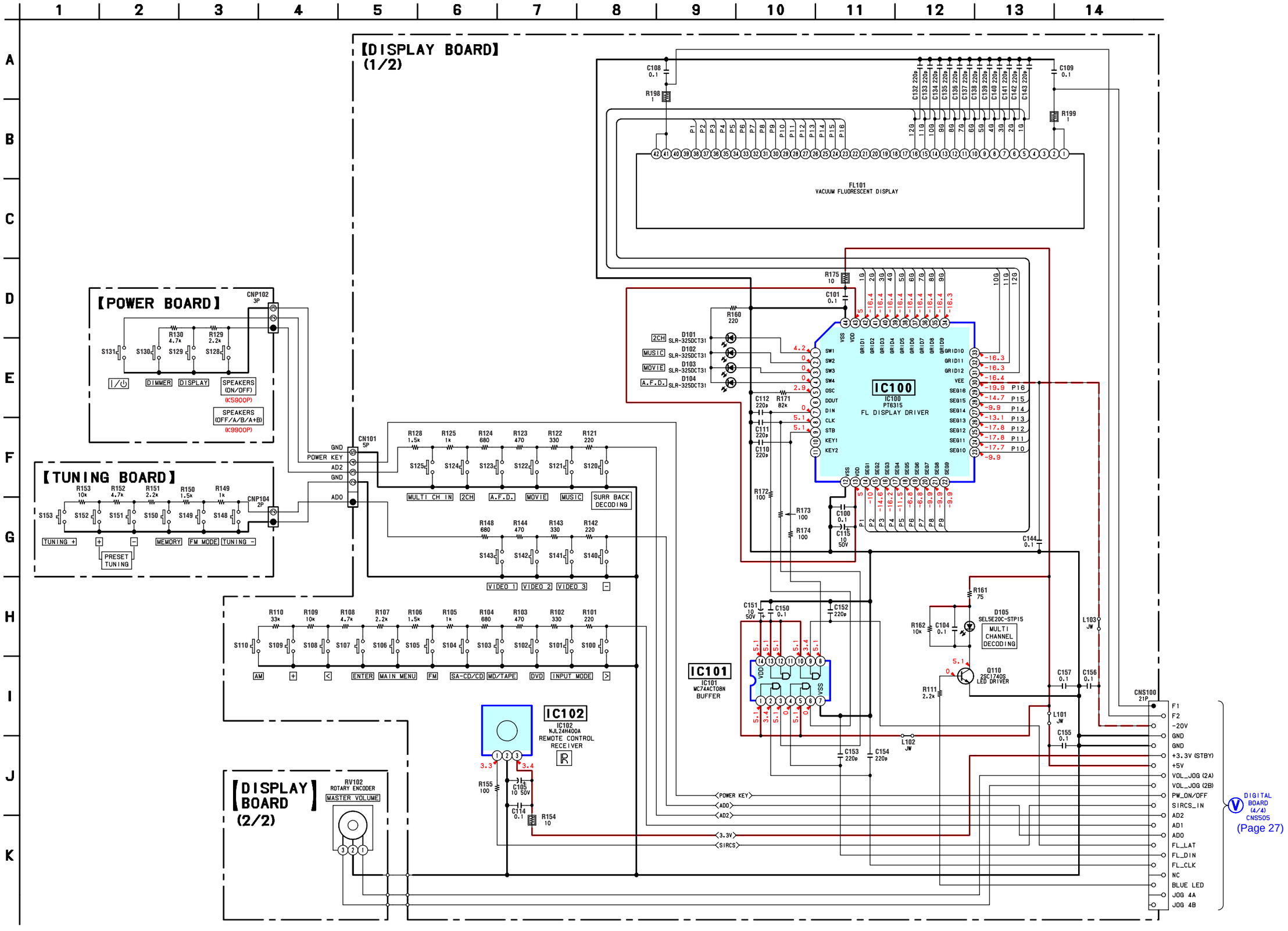
4-20. PRINTED WIRING BOARDS — PANEL SECTION — • Refer to page 12 for Circuit Boards Location.



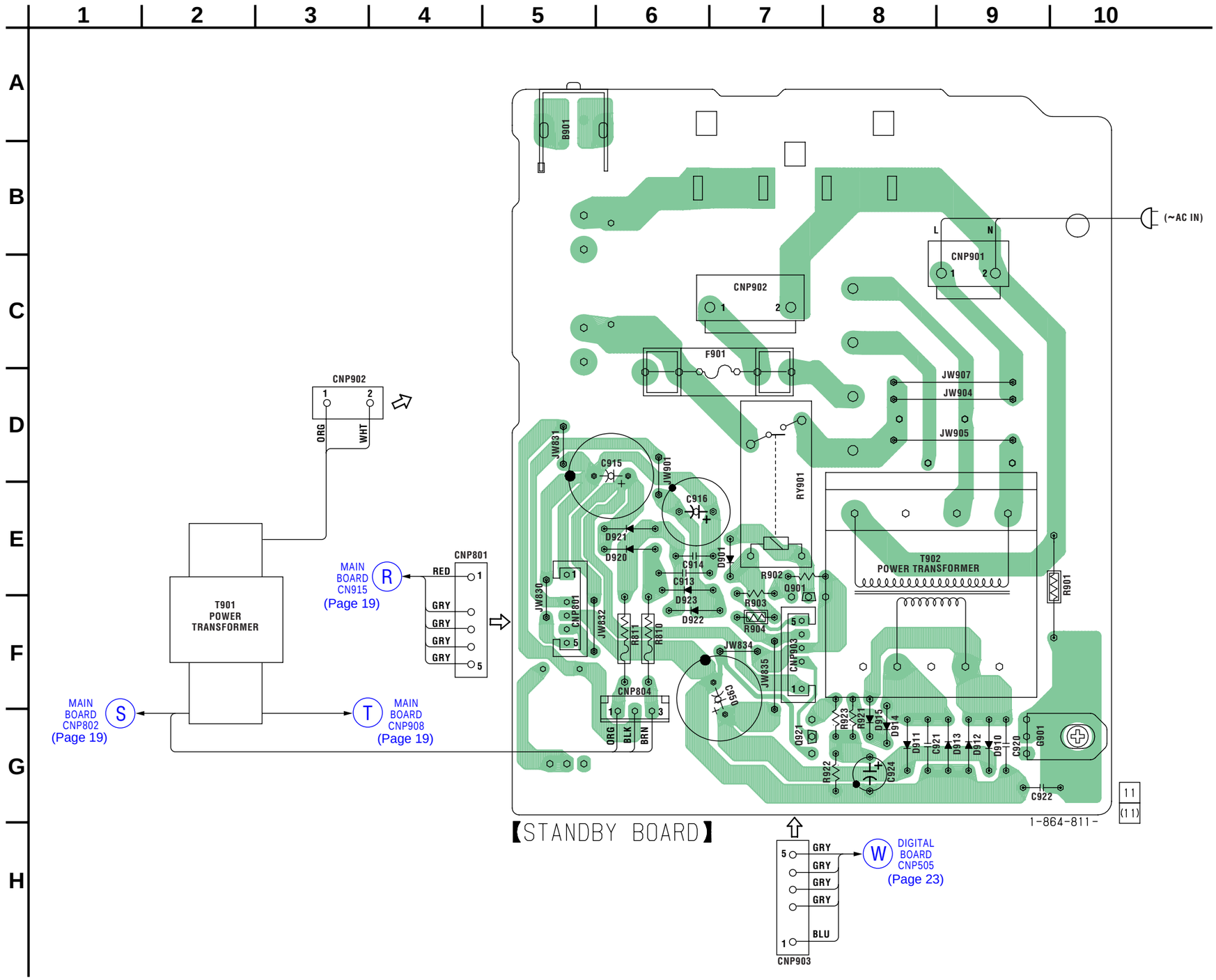
- **Semiconductor Location**

Ref. No.	Location
D101	G-9
D102	G-11
D103	G-11
D104	G-10
D105	F-4
IC100	G-4
IC101	E-6
IC102	G-1
Q110	F-5

4-21. SCHEMATIC DIAGRAM — PANEL SECTION —



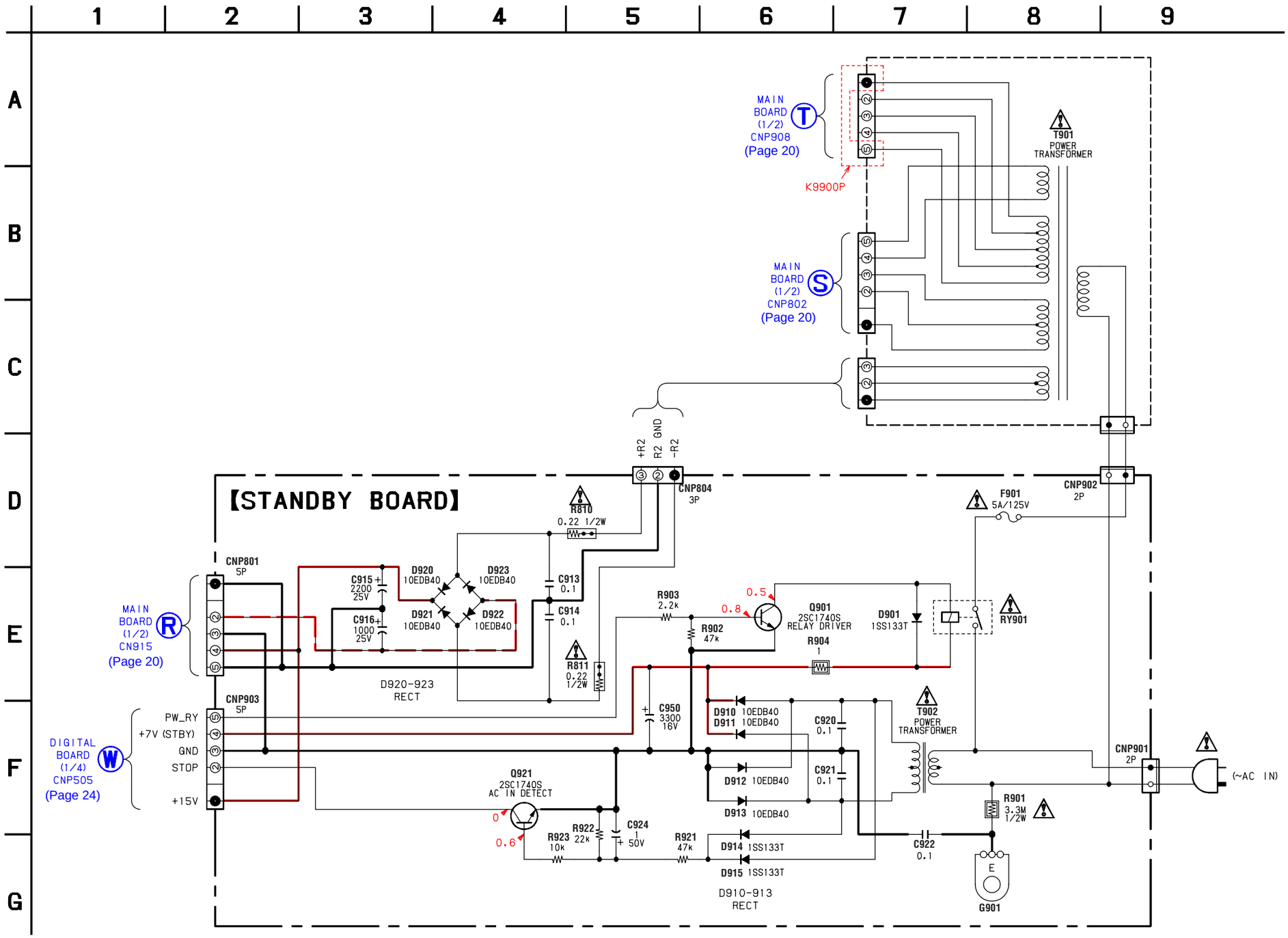
4-22. PRINTED WIRING BOARD — POWER SECTION — • Refer to page 12 for Circuit Boards Location.



- **Semiconductor Location**

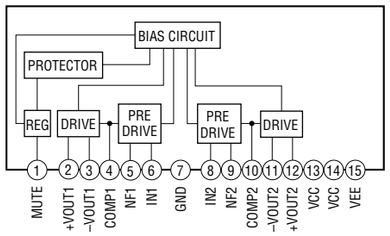
Ref. No.	Location
D901	E-7
D910	G-9
D911	G-8
D912	G-9
D913	G-9
D914	G-8
D915	G-8
D920	E-6
D921	E-6
D922	E-6
D923	F-6
Q901	E-7
Q921	G-7

4-23. SCHEMATIC DIAGRAM — POWER SECTION —

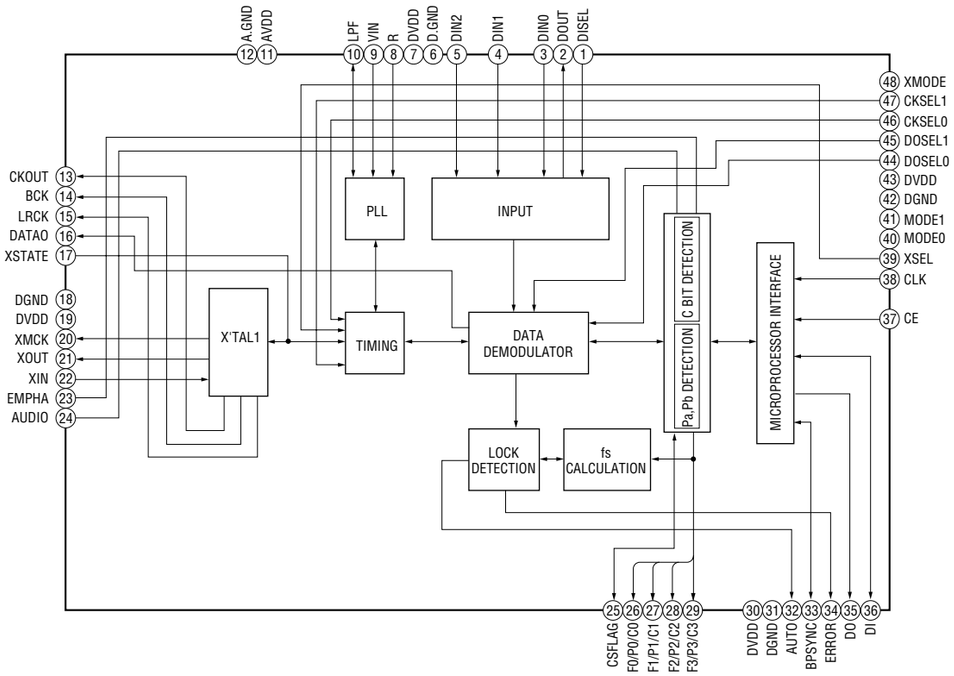


• IC Block Diagrams

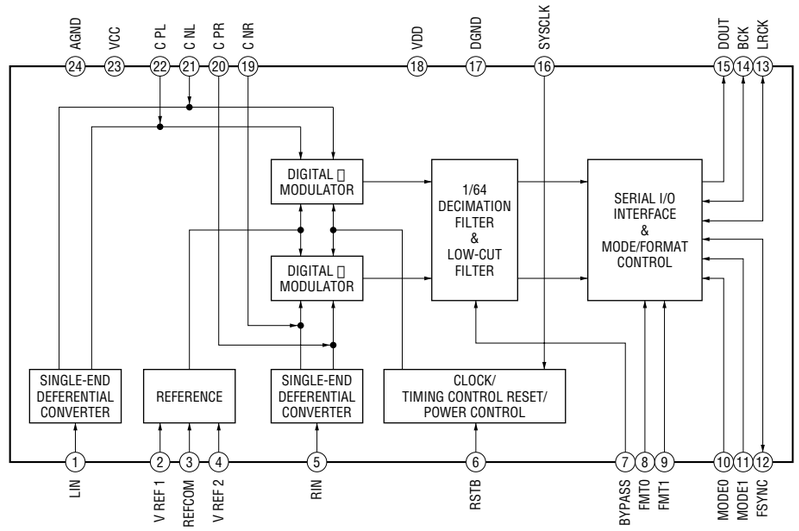
IC501 µPC2581V-S (MAIN BOARD (2/2))
IC601 µPC2581V-S (MAIN BOARD (2/2))
IC701 µPC2581V-S (MAIN BOARD (2/2))



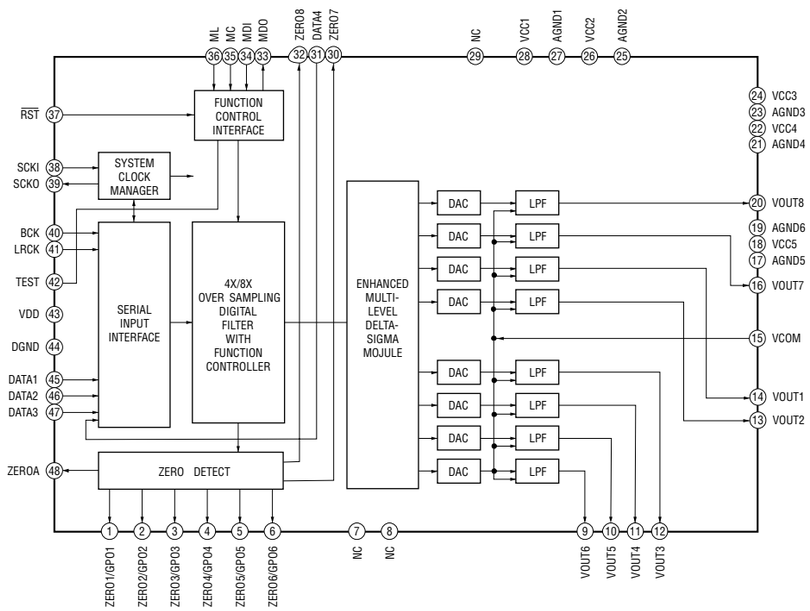
IC1301 LC89056W-E (DIGITAL BOARD (1/4))



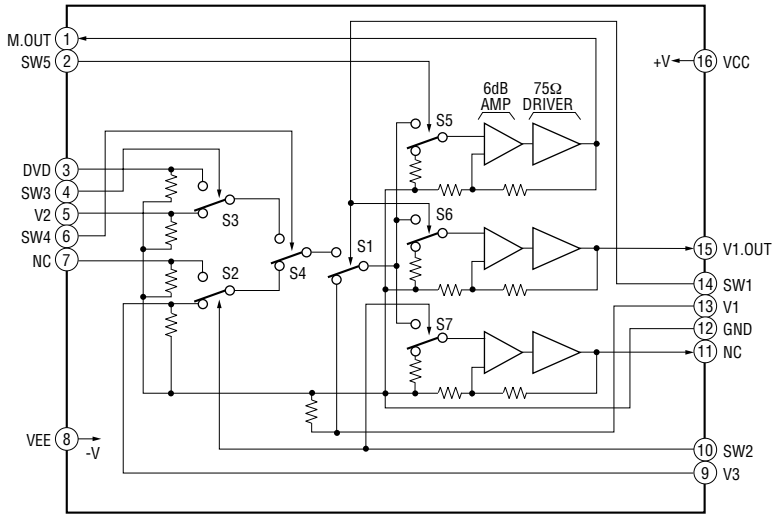
IC1401 PCM1800E/2K (DIGITAL BOARD (3/4))



IC1452 PCM1609KPTR (DIGITAL BOARD (3/4))



IC203 NJM2595D (VIDEO BOARD)



• IC Pin Descriptions

IC1501 CXD9718BQ (DSP) (DIGITAL Board (2/4))

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 (+2.7 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 (+2.7 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 (+3.4 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 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 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 (+2.7 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 (+3.4 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)
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 (+2.7 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 (+2.7 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 (+2.7 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 (+2.7 V)

IC1101 MB90488BPF-G-137E1 (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	PCM1800_RST	O	Reset signal output for ADC IC
10	PCM1608_RST	O	Reset signal output for 8CH DAC IC
11	VSS	—	Ground
12	PCM1608_ML	O	Serial latch signal output for 8CH DAC IC
13	PCM1608_MC	O	Serial clock signal output for 8CH DAC IC
14	PCM1608_MDI	O	Serial data output for 8CH DAC IC
15	PCM1608_MDO	I	Serial data input from 8CH DAC IC
16	T.SERIAL_CLK	O	Serial clock signal output for tuner pack
17	TUNER_DATA	O	Serial data output for tuner pack
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	DLY_BYPASS	O	Not used (Fixed at L)
22	DIR/AD	O	Not used (Fixed at L)
23	VCC5	—	Power supply pin (+3.4 V)
24	SYS_MUTE	O	System mute control signal output
25	ANA/DIG	O	Analog/Digital port signal output
26	UPCON_RST	O	Not used (Open)
27	FLASH2_VOL/VOL_CLK	O	Flash programming signal output 2/Volume clock signal output
28	FLASH1/VOL_DATA_LATCH	O	Flash programming signal output 1/Volume data latch signal output
29	SDA	I/O	Serial data input/output for EEPROM IC
30	SCL	O	Clock signal output for EEPROM IC
31	ENC_A	O	Not used (Fixed at L)
32	ENC_B	O	Not used (Fixed at L)
33	UPCON	O	Not used (Open)
34	UPCON_CLK	O	Not used (Open)
35	AVCC	—	Power supply pin (+3.4 V)
36	AVRH	—	Power supply pin (+3.4 V)
37	AVSS	—	Ground
38 to 40	A/D0 to A/D2	I	Key signal input (A/D port)
41	VERSION	I	Destination detection signal input (Fixed at L)
42	VSS	—	Ground
43	RDS_SIG	I	Not used (Fixed at L)
44	MODEL	I	Model detection signal input (Fixed at L)
45	VOL_ENC (A)	I	Volume encoder (A) signal input
46	VOL_ENC (B)	I	Volume encoder (B) signal input
47	BLUE_LED	O	LED (MULTI CHANNEL DECODING) driver signal output
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	Not used (Fixed at L)
53	RDS_DATA	I	Not used (Fixed at L)
54	SIRCS	I	SIRCS signal input

Pin No.	Pin Name	I/O	Pin Description
55	HP_DETECT	I	Headphones detection signal input
56	POWER_KEY	I	Power key detection signal input
57	FL_LAT	O	Latch signal output for FL driver IC
58	POWER_RY	O	Power relay driver control signal output
59	FL_DATA	O	Serial data output for FL driver IC
60	FL_CLK	O	Clock signal output for FL driver IC
61	PROTECTOR	I	Protector detection signal input
62	HP_RY	O	Headphones relay driver control signal output
63	FUSE_DETECT	I	Fuse open detection signal input
64	NTSC_PAL_SW	O	Not used (Fixed at L)
65	COMPO_SW2/A1_IN	O	COMPONENT VIDEO switch 2 signal output
66	FRONT_RY	O	Front speaker A relay driver control signal output
67	SP_B_RY	O	Front speaker B relay driver control signal output
68	C/SB_RY	O	Center 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	COMPO_SW1/A1_OUT	O	COMPONENT VIDEO switch 1 signal output
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 (+3.4 V)
85	GROUPING_SW	O	Not used (Open)
86 to 89	SW1 to SW4	O	Video select signal output
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

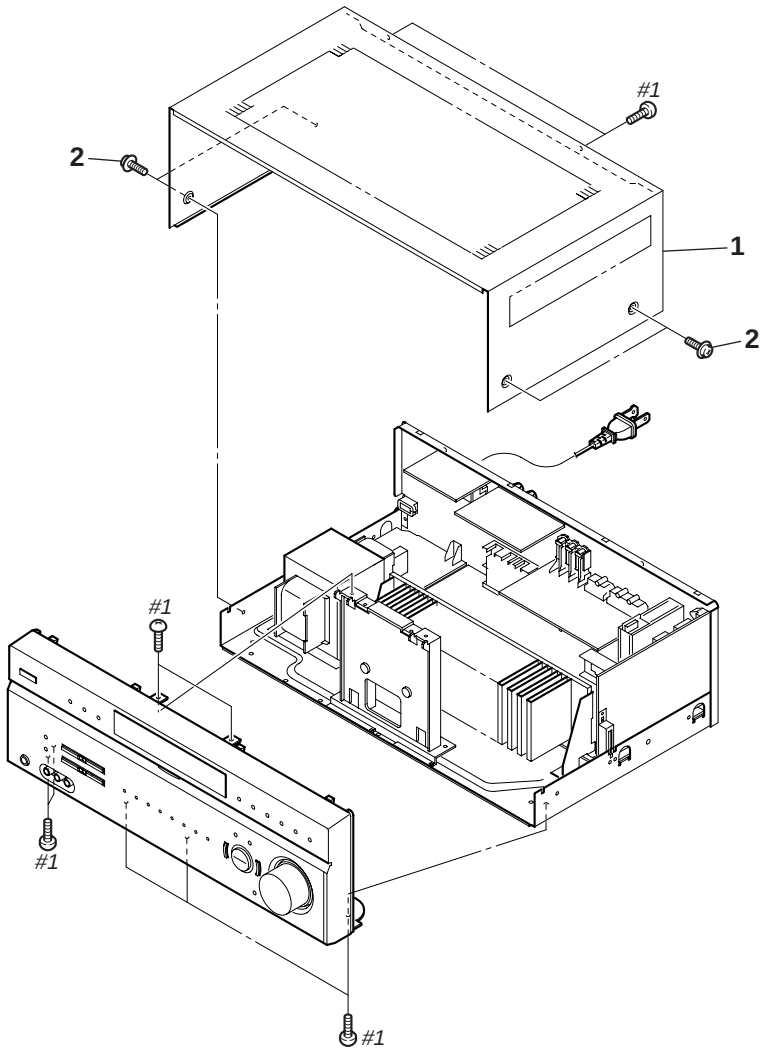
SECTION 5
EXPLODED VIEWS

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.
- 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 ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

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

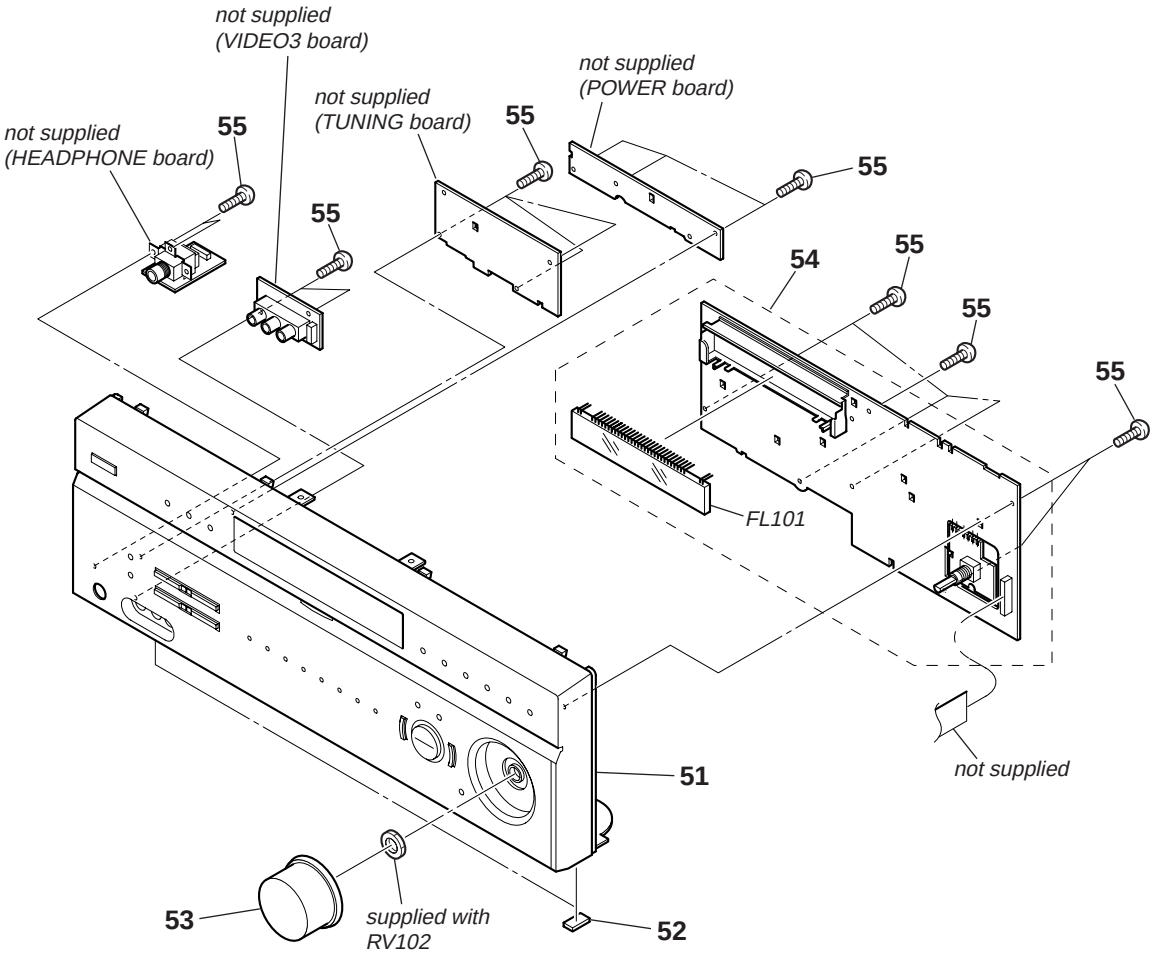
5-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	4-232-418-02	CASE (BLACK)...(BLACK)	
1	4-232-418-61	CASE (SILVER)...(SILVER)	
2	3-070-883-41	SCREW, TAPPING (SILVER)...(SILVER)	
2	3-363-099-02	SCREW (CASE 3 TP2) (BLACK)...(BLACK)	

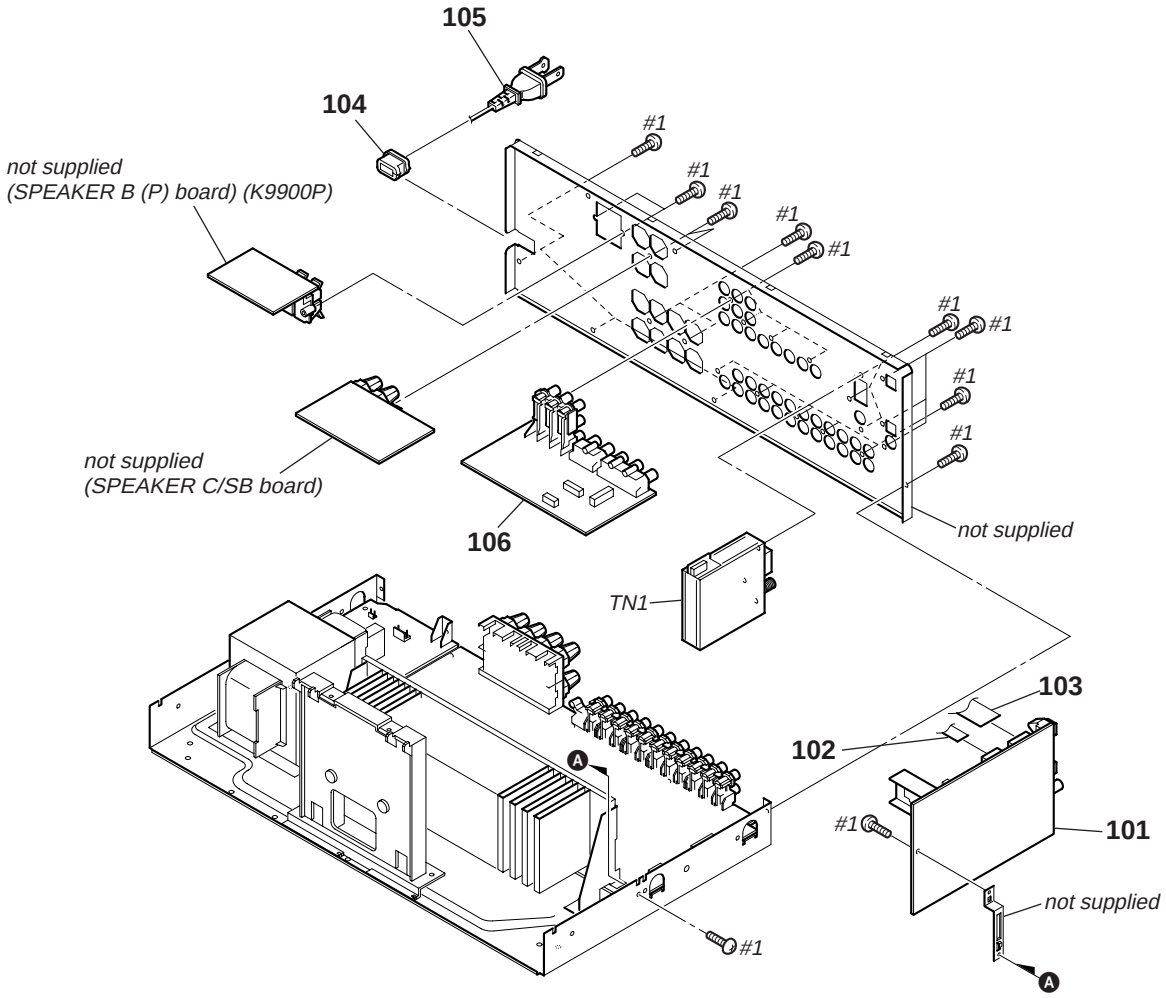
Ref. No.	Part No.	Description	Remark
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

5-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	X-2025-214-1	FRONT PANEL ASSY (SILVER)...(SILVER) (K9900P)	
51	X-2025-521-1	FRONT PANEL ASSY (SILVER)...(SILVER) (K5900P:US)	
51	X-2048-484-1	FRONT PANEL ASSY (BLACK)...(BLACK) (K9900P)	
51	X-2055-153-1	FRONT PANEL ASSY (SILVER)...(SILVER) (K5900P:CND)	
52	4-977-358-01	CUSHION	
53	4-232-113-01	KNOB (VOL) (BLACK)...(BLACK)	
53	4-232-113-31	KNOB (VOL) (SILVER)...(SILVER)	
54	A-1084-338-A	DISPLAY BOARD, COMPLETE	
55	3-087-053-01	+BVTP 2.6 (3CR)	
FL101	1-518-966-11	VACUUM FLUORESCENT DISPLAY	

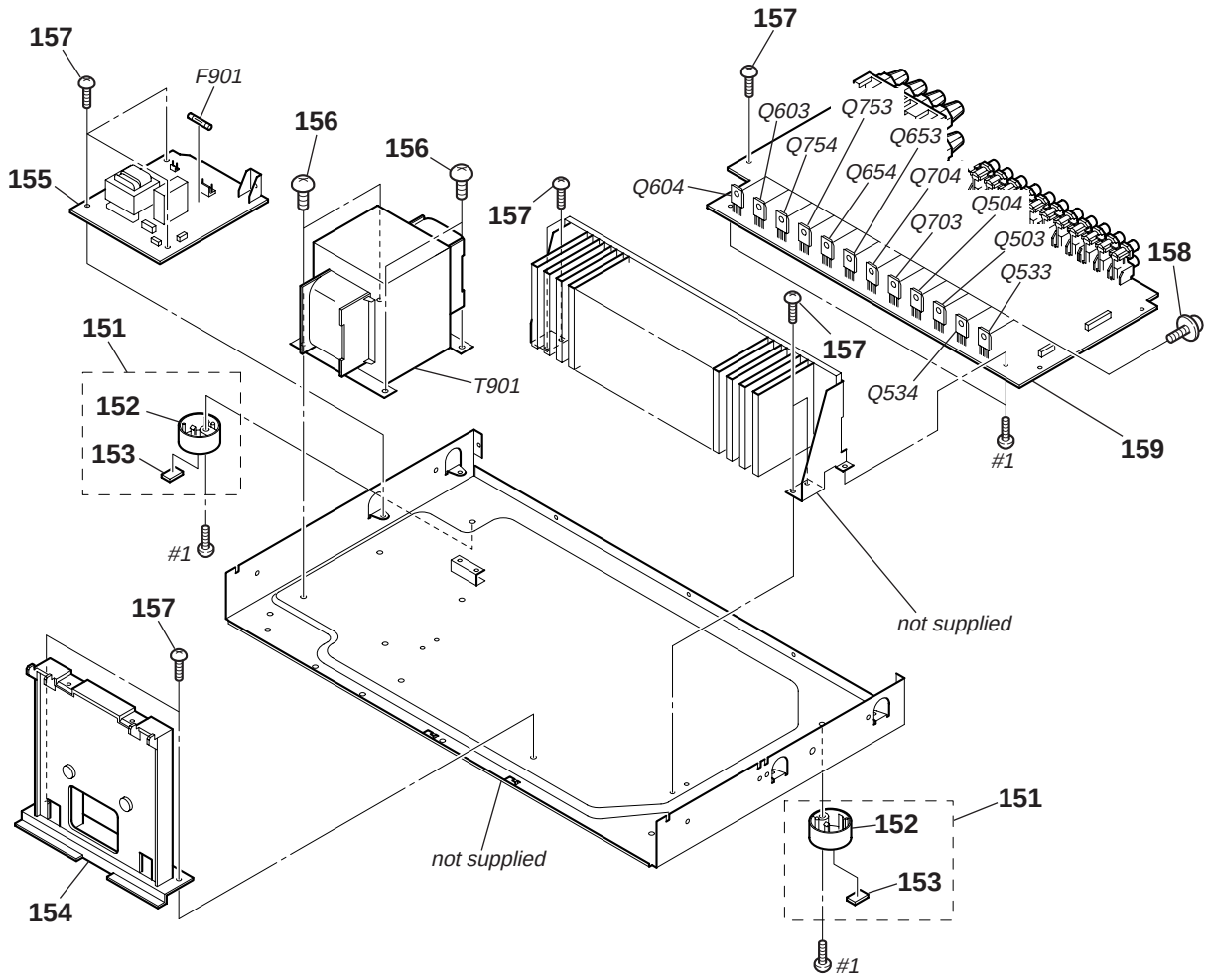
5-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	A-1087-685-A	DIGITAL BOARD, COMPLETE (K5900P)	
101	A-1091-819-A	DIGITAL BOARD, COMPLETE (K9900P)	
102	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)	
103	1-828-972-11	WIRE (FLAT TYPE) (13 CORE)	
* 104	3-703-244-00	BUSHING (2104), CORD	
⚠105	1-783-820-11	CORD, POWER	

Ref. No.	Part No.	Description	Remark
106	A-1084-344-A	VIDEO BOARD, COMPLETE	
TN1	1-693-675-11	TUNER PACK (ANTENNA) (EXCEPT K5900P:SILVER)	
TN1	1-693-675-21	TUNER PACK (ANTENNA) (K5900P:SILVER)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

5-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
151	X-4953-448-1	FOOT ASSY	
152	4-232-237-01	FOOT (DIA. 30)	
153	4-977-358-01	CUSHION	
154	4-233-263-01	SUB MOLD (DE9)	
155	A-1084-334-A	STANDBY BOARD, COMPLETE	
156	4-249-675-01	+BV SUMITITE S 4X6 ROUND	
157	3-077-331-21	+BV3 (3-CR)	
158	3-905-609-01	SCREW (TRANSISTOR)	
159	A-1088-011-A	MAIN BOARD, COMPLETE (K9900P)	
159	A-1090-297-A	MAIN BOARD, COMPLETE (K5900P)	
⚠F901	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (5A/125V)	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	

Ref. No.	Part No.	Description	Remark
Q533	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q534	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠T901	1-443-524-11	TRANSFORMER, POWER (K9900P)	
⚠T901	1-443-628-11	TRANSFORMER, POWER (K5900P)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

DIGITAL

SECTION 6
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH

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

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

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

Ref. No.	Part No.	Description			Remark
	A-1087-685-A	DIGITAL BOARD, COMPLETE (K5900P)			
	A-1091-819-A	DIGITAL BOARD, COMPLETE (K9900P)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1001	1-126-925-11	ELECT	470uF	20%	10V
C1002	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1004	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C1021	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1022	1-126-925-11	ELECT	470uF	20%	10V
C1031	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1032	1-126-925-11	ELECT	470uF	20%	10V
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	1-162-974-11	CERAMIC CHIP	0.01uF		50V
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
C1126	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1130	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
C1140	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1142	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
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
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1299	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1301	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1303	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1304	1-162-974-11	CERAMIC CHIP	0.01uF		50V

Ref. No.	Part No.	Description			Remark
C1305	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1306	1-126-947-11	ELECT	47uF	20%	35V
C1308	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1312	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1314	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1315	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1351	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1354	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1355	1-104-662-11	ELECT	22uF	20%	25V
C1356	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1357	1-162-905-11	CERAMIC CHIP	1PF	0.25PF	50V
C1358	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V
C1360	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1361	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1362	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1401	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1402	1-126-947-11	ELECT	47uF	20%	35V
C1403	1-126-964-11	ELECT	10uF	20%	50V
C1404	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1405	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C1406	1-126-963-11	ELECT	4.7uF	20%	50V
C1407	1-126-963-11	ELECT	4.7uF	20%	50V
C1408	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C1409	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1411	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1413	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1418	1-126-964-11	ELECT	10uF	20%	50V
C1422	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1423	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1428	1-126-964-11	ELECT	10uF	20%	50V
C1432	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1433	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1438	1-126-964-11	ELECT	10uF	20%	50V
C1441	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1442	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1448	1-126-964-11	ELECT	10uF	20%	50V
C1450	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1451	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1453	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1454	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1457	1-126-964-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description			Remark
C1458	1-126-964-11	ELECT	10uF	20%	50V
C1460	1-126-964-11	ELECT	10uF	20%	50V
C1462	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1463	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1468	1-126-964-11	ELECT	10uF	20%	50V
C1472	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1473	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1478	1-126-964-11	ELECT	10uF	20%	50V
C1481	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1483	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1491	1-126-964-11	ELECT	10uF	20%	50V
C1494	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1501	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1502	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1503	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1504	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1505	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1506	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1507	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1508	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1509	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1510	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1511	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1513	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1514	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1515	1-126-925-11	ELECT	470uF	20%	10V
C1516	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1517	1-126-925-11	ELECT	470uF	20%	10V
C1518	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1519	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1520	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1525	1-126-925-11	ELECT	470uF	20%	10V
C1540	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1541	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1542	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1543	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1544	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1545	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1557	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1604	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1605	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1620	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1905	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1906	1-126-925-11	ELECT	470uF	20%	10V
C1908	1-126-925-11	ELECT	470uF	20%	10V
C1913	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1914	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CNP503	1-779-977-11	PIN, CONNECTOR 6P	
CNP504	1-784-922-11	PIN, CONNECTOR 5P	
CNP505	1-779-799-11	PIN, CONNECTOR 9P	
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P	
CNS502	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P	
CNS504	1-568-826-11	CONNECTOR, FFC 7P	
CNS505	1-568-838-11	CONNECTOR, FFC 21P	
CNS508	1-568-830-11	CONNECTOR, FFC 11P	
CNS509	1-784-774-11	CONNECTOR, FFC 13P	
		< DIODE >	
D1001	8-719-053-18	DIODE 1SR154-400TE-25	
D1003	8-719-049-09	DIODE 1SS367-T3SONY	
D1004	8-719-049-09	DIODE 1SS367-T3SONY	
D1103	8-719-988-61	DIODE 1SS355TE-17	
D1105	8-719-988-61	DIODE 1SS355TE-17	
D1106	8-719-988-61	DIODE 1SS355TE-17	
D1107	8-719-988-61	DIODE 1SS355TE-17	
D1108	8-719-988-61	DIODE 1SS355TE-17	
D1110	8-719-988-61	DIODE 1SS355TE-17	
D1111	8-719-988-61	DIODE 1SS355TE-17	
D1301	8-719-988-61	DIODE 1SS355TE-17	
D1302	8-719-988-61	DIODE 1SS355TE-17	
		< FERRITE BEAD >	
FB1101	1-400-862-11	BEAD, FERRITE	
FB1302	1-400-862-11	BEAD, FERRITE	
FB1305	1-400-862-11	BEAD, FERRITE	
FB1306	1-400-862-11	BEAD, FERRITE	
FB1308	1-400-862-11	BEAD, FERRITE	
FB1405	1-400-862-11	BEAD, FERRITE	
FB1452	1-400-862-11	BEAD, FERRITE	
FB1453	1-400-862-11	BEAD, FERRITE	
FB1501	1-400-862-11	BEAD, FERRITE	
FB1502	1-400-862-11	BEAD, FERRITE	
FB1503	1-400-862-11	BEAD, FERRITE	
		< IC >	
IC1001	8-759-231-53	IC TA7805S	
IC1031	6-705-464-01	IC BA50BC0T	
IC1101	6-805-148-01	IC MB90488BPF-G-137E1	
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC1131	6-704-004-01	IC BR24L16F-WE2	
IC1301	8-759-825-15	IC LC89056W-E	
IC1303	8-759-242-70	IC TC7WU04F	
IC1351	6-600-014-01	IC TORX141L (DIGITAL VIDEO 2 IN (OPTICAL))	
IC1354	6-600-014-01	IC TORX141L (DIGITAL SA-CD/CD IN (OPTICAL))	
IC1401	8-759-560-56	IC PCM1800E/2K	
IC1403	8-759-710-97	IC NJM4565M-D	
IC1404	8-759-710-97	IC NJM4565M-D	
IC1405	8-759-710-97	IC NJM4565M-D	
IC1406	8-759-710-97	IC NJM4565M-D	
IC1452	6-703-787-01	IC PCM1609KPTR	
IC1501	6-705-900-01	IC CXD9718BQ	

DIGITAL

Ref. No.	Part No.	Description			Remark
IC1502	6-704-037-01	IC IC61LV6416-15TG			
IC1503	8-759-546-74	IC TC7WH157FU(TE12R)			
IC1901	6-701-887-02	IC SI-3004KWF			
IC1902	6-703-550-01	IC TA7809LS			
IC1904	6-705-463-01	IC BA33BC0T			
		< JACK >			
J1301	1-794-972-11	JACK, PIN 1P (DIGITAL DVD IN (COAXIAL))			
		< JUMPER RESISTOR >			
JR1020	1-216-864-11	SHORT CHIP	0		
JR1201	1-211-950-11	SHORT CHIP	0		
JR1202	1-216-864-11	SHORT CHIP	0		
JR1203	1-216-296-11	SHORT CHIP	0		
JR1204	1-211-950-11	SHORT CHIP	0		
JR1206	1-211-950-11	SHORT CHIP	0		
JR1211	1-216-296-11	SHORT CHIP	0		
JR1212	1-216-296-11	SHORT CHIP	0		
JR1214	1-216-296-11	SHORT CHIP	0		
JR1215	1-216-296-11	SHORT CHIP	0		
JR1302	1-216-864-11	SHORT CHIP	0		
JR1303	1-216-864-11	SHORT CHIP	0		
JR1501	1-216-864-11	SHORT CHIP	0		
JR1511	1-400-862-11	BEAD, FERRITE			
		< TRANSISTOR >			
Q1103	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q1104	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q1105	8-729-230-49	TRANSISTOR	2SC2712-YG		
		< RESISTOR >			
R1018	1-216-864-11	SHORT CHIP	0		
R1019	1-216-864-11	SHORT CHIP	0		
R1035	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W
R1042	1-216-809-11	METAL CHIP	100	5%	1/10W
R1044	1-216-809-11	METAL CHIP	100	5%	1/10W
R1049	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1052	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1053	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1061	1-216-809-11	METAL CHIP	100	5%	1/10W
R1062	1-216-809-11	METAL CHIP	100	5%	1/10W
R1065	1-216-809-11	METAL CHIP	100	5%	1/10W
R1066	1-216-809-11	METAL CHIP	100	5%	1/10W
R1067	1-216-809-11	METAL CHIP	100	5%	1/10W
R1068	1-216-809-11	METAL CHIP	100	5%	1/10W
R1071	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1072	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1073	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W
R1082	1-216-809-11	METAL CHIP	100	5%	1/10W
R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1095	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1097	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1098	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1099	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W
R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1109	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W
R1113	1-216-809-11	METAL CHIP	100	5%	1/10W
R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1115	1-216-809-11	METAL CHIP	100	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1119	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1120	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W
R1132	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W
R1136	1-216-809-11	METAL CHIP	100	5%	1/10W
R1137	1-216-809-11	METAL CHIP	100	5%	1/10W
R1138	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W
R1142	1-216-809-11	METAL CHIP	100	5%	1/10W
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W
R1147	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1149	1-216-809-11	METAL CHIP	100	5%	1/10W
R1150	1-216-809-11	METAL CHIP	100	5%	1/10W
R1151	1-216-809-11	METAL CHIP	100	5%	1/10W
R1152	1-216-809-11	METAL CHIP	100	5%	1/10W
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W
R1155	1-216-809-11	METAL CHIP	100	5%	1/10W
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W
R1161	1-216-809-11	METAL CHIP	100	5%	1/10W
R1162	1-216-809-11	METAL CHIP	100	5%	1/10W
R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1164	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (K5900P)
R1164	1-216-837-11	METAL CHIP	22K	5%	1/10W (K9900P)
R1167	1-216-809-11	METAL CHIP	100	5%	1/10W
R1168	1-216-809-11	METAL CHIP	100	5%	1/10W
R1176	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1177	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1178	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1194	1-216-864-11	SHORT CHIP	0		
R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1251	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1252	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1305	1-216-819-11	METAL CHIP	680	5%	1/10W
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W
R1316	1-216-809-11	METAL CHIP	100	5%	1/10W
R1318	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
R1414	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1416	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1420	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R1421	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1424	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1425	1-216-864-11	SHORT CHIP	0		
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1434	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1435	1-216-864-11	SHORT CHIP	0		
R1436	1-216-821-11	METAL CHIP	1K	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
R1454	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1455	1-216-864-11	SHORT CHIP	0		
R1460	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V

Ref. No.	Part No.	Description			Remark
R1461	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R1463	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1464	1-216-864-11	SHORT CHIP	0		
R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1470	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1471	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R1472	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R1473	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1475	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
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
R1490	1-218-867-11	METAL CHIP	6.8K	0.5%	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
R1493	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1494	1-218-867-11	METAL CHIP	6.8K	0.5%	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
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
R1517	1-216-813-11	METAL CHIP	220	5%	1/10W
R1518	1-216-813-11	METAL CHIP	220	5%	1/10W
R1519	1-216-813-11	METAL CHIP	220	5%	1/10W
R1520	1-216-813-11	METAL CHIP	220	5%	1/10W
R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
R1522	1-216-813-11	METAL CHIP	220	5%	1/10W
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W
R1524	1-216-864-11	SHORT CHIP	0		
R1525	1-216-813-11	METAL CHIP	220	5%	1/10W
R1526	1-216-813-11	METAL CHIP	220	5%	1/10W
R1527	1-216-813-11	METAL CHIP	220	5%	1/10W
R1528	1-216-813-11	METAL CHIP	220	5%	1/10W
R1532	1-216-813-11	METAL CHIP	220	5%	1/10W
R1533	1-216-813-11	METAL CHIP	220	5%	1/10W
R1534	1-216-813-11	METAL CHIP	220	5%	1/10W
R1535	1-216-813-11	METAL CHIP	220	5%	1/10W
R1536	1-216-813-11	METAL CHIP	220	5%	1/10W
R1537	1-216-813-11	METAL CHIP	220	5%	1/10W
R1538	1-216-813-11	METAL CHIP	220	5%	1/10W
R1539	1-216-813-11	METAL CHIP	220	5%	1/10W
R1540	1-216-813-11	METAL CHIP	220	5%	1/10W
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W
R1542	1-216-813-11	METAL CHIP	220	5%	1/10W

DIGITAL **DISPLAY**

Ref. No.	Part No.	Description			Remark
R1543	1-216-813-11	METAL CHIP	220	5%	1/10W
R1544	1-216-813-11	METAL CHIP	220	5%	1/10W
R1545	1-216-813-11	METAL CHIP	220	5%	1/10W
R1546	1-216-813-11	METAL CHIP	220	5%	1/10W
R1547	1-216-813-11	METAL CHIP	220	5%	1/10W
R1548	1-216-813-11	METAL CHIP	220	5%	1/10W
R1549	1-216-813-11	METAL CHIP	220	5%	1/10W
R1550	1-216-813-11	METAL CHIP	220	5%	1/10W
R1551	1-216-813-11	METAL CHIP	220	5%	1/10W
R1552	1-216-813-11	METAL CHIP	220	5%	1/10W
R1553	1-216-813-11	METAL CHIP	220	5%	1/10W
R1554	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
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
		< VIBRATOR >			
X1101	1-813-448-21	OSCILLATOR, PIEZOELECTRIC (24MHz)			
X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)			
X1502	1-813-276-21	QUARTZ, CRYSTAL (13.9MHz)			
**********					
	A-1084-338-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
C104	1-113-342-11	CERAMIC	0.1uF		50V
C105	1-126-795-11	ELECT	10uF	20%	50V
C108	1-127-888-11	CERAMIC	0.1uF	10%	50V
C109	1-127-888-11	CERAMIC	0.1uF	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	1-127-888-11	CERAMIC	0.1uF	10%	50V
C115	1-126-795-11	ELECT	10uF	20%	50V
C132	1-162-286-31	CERAMIC	220PF	10%	50V
C133	1-162-286-31	CERAMIC	220PF	10%	50V
C134	1-162-286-31	CERAMIC	220PF	10%	50V
C135	1-162-286-31	CERAMIC	220PF	10%	50V
C136	1-162-286-31	CERAMIC	220PF	10%	50V
C137	1-162-286-31	CERAMIC	220PF	10%	50V
C138	1-162-286-31	CERAMIC	220PF	10%	50V
C139	1-162-286-31	CERAMIC	220PF	10%	50V
C140	1-162-286-31	CERAMIC	220PF	10%	50V
C141	1-162-286-31	CERAMIC	220PF	10%	50V
C142	1-162-286-31	CERAMIC	220PF	10%	50V
C143	1-162-286-31	CERAMIC	220PF	10%	50V
C144	1-127-888-11	CERAMIC	0.1uF	10%	50V
C150	1-127-888-11	CERAMIC	0.1uF	10%	50V
C151	1-126-795-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description			Remark
C152	1-162-286-31	CERAMIC	220PF	10%	50V
C153	1-162-286-31	CERAMIC	220PF	10%	50V
C154	1-162-286-31	CERAMIC	220PF	10%	50V
C155	1-127-888-11	CERAMIC	0.1uF	10%	50V
C156	1-127-888-11	CERAMIC	0.1uF	10%	50V
C157	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNS100	1-568-838-11	CONNECTOR, FFC 21P			
		< DIODE >			
D101	8-719-061-96	LED SLR-325DCT31 (2CH)			
D102	8-719-061-96	LED SLR-325DCT31 (MUSIC)			
D103	8-719-061-96	LED SLR-325DCT31 (MOVIE)			
D104	8-719-061-96	LED SLR-325DCT31 (A.F.D.)			
D105	6-500-647-01	LED SEL5E20C-STP15 (MULTI CHANNEL DECODING)			
		< VACUUM FLUORESCENT DISPLAY >			
FL101	1-518-966-11	VACUUM FLUORESCENT DISPLAY			
		< IC >			
IC100	8-759-643-83	IC uPD16315GB-3BS			
IC101	8-759-036-90	IC MC74ACT08N			
IC102	6-600-349-31	IC NJL24H400A (IR)			
		< TRANSISTOR >			
Q110	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< 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	1-247-831-00	CARBON	1K	5%	1/4W
R106	1-249-419-11	CARBON	1.5K	5%	1/4W
R107	1-249-421-11	CARBON	2.2K	5%	1/4W
R108	1-247-847-00	CARBON	4.7K	5%	1/4W
R109	1-249-429-11	CARBON	10K	5%	1/4W
R110	1-249-435-11	CARBON	33K	5%	1/4W
R111	1-249-421-11	CARBON	2.2K	5%	1/4W
R121	1-249-409-11	CARBON	220	5%	1/4W
R122	1-249-411-11	CARBON	330	5%	1/4W
R123	1-249-413-11	CARBON	470	5%	1/4W
R124	1-249-415-11	CARBON	680	5%	1/4W
R125	1-247-831-00	CARBON	1K	5%	1/4W
R128	1-249-419-11	CARBON	1.5K	5%	1/4W
R142	1-249-409-11	CARBON	220	5%	1/4W
R143	1-249-411-11	CARBON	330	5%	1/4W
R144	1-249-413-11	CARBON	470	5%	1/4W
R148	1-249-415-11	CARBON	680	5%	1/4W
R154	1-249-393-11	CARBON	10	5%	1/4W F
R155	1-247-807-31	CARBON	100	5%	1/4W
R160	1-249-409-11	CARBON	220	5%	1/4W
R161	1-247-804-11	CARBON	75	5%	1/4W
R162	1-249-429-11	CARBON	10K	5%	1/4W
R171	1-249-440-11	CARBON	82K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R172	1-247-807-31	CARBON	100	5%	1/4W
R173	1-247-807-31	CARBON	100	5%	1/4W
R174	1-247-807-31	CARBON	100	5%	1/4W
R175	1-249-393-11	CARBON	10	5%	1/4W F
R198	1-249-381-11	CARBON	1	5%	1/4W F
R199	1-249-381-11	CARBON	1	5%	1/4W F
		< ROTARY ENCODER >			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
		< SWITCH >			
S100	1-771-410-21	SWITCH, TACTILE (>)			
S101	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S102	1-771-410-21	SWITCH, TACTILE (DVD)			
S103	1-771-410-21	SWITCH, TACTILE (MD/TAPE)			
S104	1-771-410-21	SWITCH, TACTILE (SA-CD/CD)			
S105	1-771-410-21	SWITCH, TACTILE (FM)			
S106	1-771-410-21	SWITCH, TACTILE (MAIN MENU)			
S107	1-771-410-21	SWITCH, TACTILE (ENTER)			
S108	1-771-410-21	SWITCH, TACTILE (<)			
S109	1-771-410-21	SWITCH, TACTILE (+)			
S110	1-771-410-21	SWITCH, TACTILE (AM)			
S120	1-771-410-21	SWITCH, TACTILE (SURR BACK DECODING)			
S121	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S122	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S123	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S124	1-771-410-21	SWITCH, TACTILE (2CH)			
S125	1-771-410-21	SWITCH, TACTILE (MULTI CH IN)			
S140	1-771-410-21	SWITCH, TACTILE (–)			
S141	1-771-410-21	SWITCH, TACTILE (VIDEO 3)			
S142	1-771-410-21	SWITCH, TACTILE (VIDEO 2)			
S143	1-771-410-21	SWITCH, TACTILE (VIDEO 1)			
**********					
		HEADPHONE BOARD			
		**********			
		< CAPACITOR >			
C790	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)			
**********					
	A-1088-011-A	MAIN BOARD, COMPLETE (K9900P)			
	A-1090-297-A	MAIN BOARD, COMPLETE (K5900P)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C400	1-127-888-11	CERAMIC	0.1uF	10%	50V
C403	1-127-888-11	CERAMIC	0.1uF	10%	50V
C408	1-126-963-11	ELECT	4.7uF	20%	50V

Ref. No.	Part No.	Description			Remark
C409	1-126-963-11	ELECT	4.7uF	20%	50V
C444	1-127-868-11	CERAMIC	0.0022uF	10%	50V
C445	1-128-825-11	CERAMIC	0.0022uF	5%	50V (K9900P)
C458	1-126-963-11	ELECT	4.7uF	20%	50V
C459	1-126-963-11	ELECT	4.7uF	20%	50V
C464	1-127-888-11	CERAMIC	0.1uF	10%	50V
C468	1-162-282-31	CERAMIC	100PF	10%	50V
C469	1-162-282-31	CERAMIC	100PF	10%	50V
C471	1-126-963-11	ELECT	4.7uF	20%	50V
C472	1-126-963-11	ELECT	4.7uF	20%	50V
C481	1-126-964-11	ELECT	10uF	20%	50V
C484	1-126-964-11	ELECT	10uF	20%	50V
C485	1-126-964-11	ELECT	10uF	20%	50V
C488	1-127-888-11	CERAMIC	0.1uF	10%	50V
C490	1-126-964-11	ELECT	10uF	20%	50V
C492	1-126-964-11	ELECT	10uF	20%	50V
C493	1-126-964-11	ELECT	10uF	20%	50V
C495	1-126-964-11	ELECT	10uF	20%	50V
C499	1-162-286-31	CERAMIC	220PF	10%	50V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C503	1-104-658-11	ELECT	100uF	20%	10V
C504	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C505	1-102-233-00	CERAMIC	33PF	10%	500V
C506	1-162-282-31	CERAMIC	100PF	10%	50V
C507	1-162-282-31	CERAMIC	100PF	10%	50V
C510	1-126-947-11	ELECT	47uF	20%	35V
C511	1-136-157-00	FILM	0.022uF	5%	50V
C516	1-162-815-11	CERAMIC	47PF	5%	500V
C517	1-162-815-11	CERAMIC	47PF	5%	500V
C519	1-162-286-31	CERAMIC	220PF	10%	50V
C531	1-136-157-00	FILM	0.022uF	5%	50V
C539	1-162-286-31	CERAMIC	220PF	10%	50V
C540	1-126-964-11	ELECT	10uF	20%	50V
C541	1-127-876-11	CERAMIC	0.01uF	10%	50V
C553	1-104-658-11	ELECT	100uF	20%	10V
C554	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C561	1-126-963-11	ELECT	4.7uF	20%	50V
C565	1-102-233-00	CERAMIC	33PF	10%	500V
C566	1-162-282-31	CERAMIC	100PF	10%	50V
C567	1-162-282-31	CERAMIC	100PF	10%	50V
C570	1-126-947-11	ELECT	47uF	20%	35V
C576	1-162-815-11	CERAMIC	47PF	5%	500V
C577	1-162-815-11	CERAMIC	47PF	5%	500V
C580	1-126-964-11	ELECT	10uF	20%	50V
C581	1-127-876-11	CERAMIC	0.01uF	10%	50V
C601	1-126-963-11	ELECT	4.7uF	20%	50V
C603	1-104-658-11	ELECT	100uF	20%	10V
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C605	1-102-233-00	CERAMIC	33PF	10%	500V
C606	1-162-282-31	CERAMIC	100PF	10%	50V
C607	1-162-282-31	CERAMIC	100PF	10%	50V
C610	1-126-947-11	ELECT	47uF	20%	35V
C611	1-136-157-00	FILM	0.022uF	5%	50V
C619	1-162-286-31	CERAMIC	220PF	10%	50V
C620	1-162-815-11	CERAMIC	47PF	5%	500V
C621	1-162-815-11	CERAMIC	47PF	5%	500V
C640	1-126-964-11	ELECT	10uF	20%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C642	1-127-876-11	CERAMIC	0.01uF	10%	50V
C651	1-126-963-11	ELECT	4.7uF	20%	50V
C653	1-104-658-11	ELECT	100uF	20%	10V
C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C655	1-102-233-00	CERAMIC	33PF	10%	500V
C656	1-162-282-31	CERAMIC	100PF	10%	50V
C657	1-162-282-31	CERAMIC	100PF	10%	50V
C660	1-126-947-11	ELECT	47uF	20%	35V
C661	1-136-157-00	FILM	0.022uF	5%	50V
C666	1-162-815-11	CERAMIC	47PF	5%	500V
C669	1-162-815-11	CERAMIC	47PF	5%	500V
C670	1-162-286-31	CERAMIC	220PF	10%	50V
C680	1-126-964-11	ELECT	10uF	20%	50V
C681	1-127-876-11	CERAMIC	0.01uF	10%	50V
C691	1-127-888-11	CERAMIC	0.1uF	10%	50V
C701	1-126-963-11	ELECT	4.7uF	20%	50V
C702	1-126-964-11	ELECT	10uF	20%	50V
C703	1-104-658-11	ELECT	100uF	20%	10V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C706	1-162-282-31	CERAMIC	100PF	10%	50V
C707	1-162-282-31	CERAMIC	100PF	10%	50V
C710	1-126-947-11	ELECT	47uF	20%	35V
C711	1-136-157-00	FILM	0.022uF	5%	50V
C716	1-162-815-11	CERAMIC	47PF	5%	500V
C717	1-162-815-11	CERAMIC	47PF	5%	500V
C720	1-162-286-31	CERAMIC	220PF	10%	50V
C721	1-126-923-11	ELECT	220uF	20%	10V
C722	1-126-964-11	ELECT	10uF	20%	50V
C732	1-128-582-11	ELECT	10uF	20%	100V
C733	1-128-582-11	ELECT	10uF	20%	100V
C740	1-126-964-11	ELECT	10uF	20%	50V
C741	1-128-579-11	ELECT	2.2uF	20%	100V
C742	1-127-876-11	CERAMIC	0.01uF	10%	50V
C743	1-128-579-11	ELECT	2.2uF	20%	100V
C744	1-128-579-11	ELECT	2.2uF	20%	100V
C750	1-126-964-11	ELECT	10uF	20%	50V
C751	1-126-963-11	ELECT	4.7uF	20%	50V
C752	1-127-876-11	CERAMIC	0.01uF	10%	50V
C753	1-104-658-11	ELECT	100uF	20%	10V
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C756	1-162-282-31	CERAMIC	100PF	10%	50V
C757	1-162-282-31	CERAMIC	100PF	10%	50V
C760	1-126-947-11	ELECT	47uF	20%	35V
C761	1-136-157-00	FILM	0.022uF	5%	50V
C762	1-126-964-11	ELECT	10uF	20%	50V
C766	1-162-815-11	CERAMIC	47PF	5%	500V
C767	1-162-815-11	CERAMIC	47PF	5%	500V
C770	1-162-286-31	CERAMIC	220PF	10%	50V
C791	1-126-923-11	ELECT	220uF	20%	10V
C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-126-947-11	ELECT	47uF	20%	35V
C803	1-165-946-11	ELECT	6800uF	20%	71V
C804	1-165-946-11	ELECT	6800uF	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

< CONNECTOR >

Ref. No.	Part No.	Description	Remark
CNP500	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P	
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P	
CNP503	1-779-978-11	PIN, CONNECTOR 3P	
CNP802	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
CNP806	1-784-921-11	PIN, CONNECTOR 4P	
* CNP908	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P	(K5900P)
* CNP908	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P	(K9900P)
CNP911	1-784-926-11	PIN, CONNECTOR 11P	
CNP912	1-691-766-11	PLUG (MICRO CONNECTOR) 4P	

< DIODE >

D505	8-719-991-33	DIODE 1SS133T-77
D540	8-719-991-33	DIODE 1SS133T-77
D560	8-719-991-33	DIODE 1SS133T-77
D580	8-719-991-33	DIODE 1SS133T-77
D585	8-719-991-33	DIODE 1SS133T-77
D605	8-719-991-33	DIODE 1SS133T-77
D610	8-719-991-33	DIODE 1SS133T-77
D640	8-719-991-33	DIODE 1SS133T-77
D665	8-719-991-33	DIODE 1SS133T-77
D680	8-719-991-33	DIODE 1SS133T-77
D690	8-719-934-21	DIODE HZS30-1L
D691	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
D740	8-719-991-33	DIODE 1SS133T-77
D750	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
D818	8-719-991-33	DIODE 1SS133T-77 (K9900P)
D896	8-719-043-76	DIODE AK04V0

< IC >

IC401	6-707-362-01	IC BD3451KS
IC402	8-759-167-88	IC NJM4565D
IC501	6-700-943-01	IC uPC2581V-S
IC601	6-700-943-01	IC uPC2581V-S

Ref. No.	Part No.	Description	Remark
IC691	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)	(K5900P)
J309	1-793-777-12	JACK, PIN 2P (AUDIO OUT,SUB WOOFER)	(K9900P)
J401	1-793-775-12	JACK, PIN 6P (MULTI CH IN FRONT,SURROUND,CENTER,SUB WOOFER)	(K9900P)
J402	1-770-614-11	JACK, PIN 4P (MD/TAPE OUT,SA-CD/CD IN)	
J403	1-770-614-11	JACK, PIN 4P (MD/TAPE IN,DVD AUDIO IN)	
J404	1-774-411-11	JACK, PIN 6P (VIDEO 2 AUDIO IN, VIDEO 1 AUDIO OUT/IN)	
		< COIL >	
L601	1-420-872-52	COIL, AIR-CORE	
L651	1-420-872-52	COIL, AIR-CORE	
L701	1-420-872-52	COIL, AIR-CORE	
L751	1-420-872-52	COIL, AIR-CORE	
		< TRANSISTOR >	
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	
Q535	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q536	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q540	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q560	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q571	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q572	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q580	8-729-281-53	TRANSISTOR 2SC1815-GR	
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	
Q610	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q640	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q655	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q656	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q680	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q691	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q692	8-729-029-40	TRANSISTOR DTA124ESA	
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	
Q740	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q750	8-729-281-53	TRANSISTOR 2SC1815-GR	
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	
Q809	8-729-119-78	TRANSISTOR 2SC2785-HFE (K9900P)	
		< RESISTOR >	
R402	1-247-831-00	CARBON 1K 5% 1/4W	
R404	1-247-831-00	CARBON 1K 5% 1/4W	
R405	1-247-831-00	CARBON 1K 5% 1/4W	
R406	1-247-831-00	CARBON 1K 5% 1/4W	
R407	1-247-831-00	CARBON 1K 5% 1/4W	
R408	1-247-831-00	CARBON 1K 5% 1/4W	
R409	1-247-831-00	CARBON 1K 5% 1/4W	
R428	1-247-831-00	CARBON 1K 5% 1/4W	
R429	1-247-831-00	CARBON 1K 5% 1/4W	
R431	1-247-831-00	CARBON 1K 5% 1/4W	(K9900P)
R432	1-247-831-00	CARBON 1K 5% 1/4W	(K9900P)
R433	1-247-831-00	CARBON 1K 5% 1/4W	(K9900P)
R434	1-247-831-00	CARBON 1K 5% 1/4W	(K9900P)
R435	1-247-831-00	CARBON 1K 5% 1/4W	(K9900P)
R436	1-247-831-00	CARBON 1K 5% 1/4W	(K9900P)
R452	1-247-831-00	CARBON 1K 5% 1/4W	
R454	1-247-831-00	CARBON 1K 5% 1/4W	
R455	1-247-831-00	CARBON 1K 5% 1/4W	
R456	1-247-831-00	CARBON 1K 5% 1/4W	
R457	1-247-831-00	CARBON 1K 5% 1/4W	
R458	1-247-831-00	CARBON 1K 5% 1/4W	
R459	1-247-831-00	CARBON 1K 5% 1/4W	
R468	1-247-879-00	CARBON 100K 5% 1/4W	
R469	1-247-831-00	CARBON 1K 5% 1/4W	
R470	1-247-871-00	CARBON 47K 5% 1/4W	
R473	1-249-429-11	CARBON 10K 5% 1/4W	
R474	1-249-429-11	CARBON 10K 5% 1/4W	
R475	1-249-429-11	CARBON 10K 5% 1/4W	
R476	1-249-429-11	CARBON 10K 5% 1/4W	
R480	1-247-871-00	CARBON 47K 5% 1/4W	
R499	1-247-871-00	CARBON 47K 5% 1/4W	
R501	1-247-831-00	CARBON 1K 5% 1/4W	
R502	1-249-439-11	CARBON 68K 5% 1/4W	
R503	1-249-421-11	CARBON 2.2K 5% 1/4W	
R505	1-249-439-11	CARBON 68K 5% 1/4W	
R510	1-249-421-11	CARBON 2.2K 5% 1/4W	
R511	1-249-440-11	CARBON 82K 5% 1/4W	
R513	1-249-414-11	CARBON 560 5% 1/4W	
R514	1-249-399-11	CARBON 33 5% 1/4W	F
R515	1-249-399-11	CARBON 33 5% 1/4W	F
R516	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W	
R517	1-249-393-11	CARBON 10 5% 1/4W	F

MAIN

Ref. No.	Part No.	Description			Remark
R520	1-247-847-00	CARBON	4.7K	5%	1/4W
R521	1-240-855-81	CARBON	6.2K	5%	1/4W F
R522	1-249-419-11	CARBON	1.5K	5%	1/4W
R523	1-247-871-00	CARBON	47K	5%	1/4W
R524	1-249-431-11	CARBON	15K	5%	1/4W
R525	1-249-439-11	CARBON	68K	5%	1/4W
R526	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R530	1-247-847-00	CARBON	4.7K	5%	1/4W
R531	1-240-855-81	CARBON	6.2K	5%	1/4W F
R532	1-249-429-11	CARBON	10K	5%	1/4W
R533	1-247-871-00	CARBON	47K	5%	1/4W
R534	1-249-431-11	CARBON	15K	5%	1/4W
R535	1-249-439-11	CARBON	68K	5%	1/4W
R537	1-249-393-11	CARBON	10	5%	1/4W F
R540	1-247-863-00	CARBON	22K	5%	1/4W
R546	1-249-431-11	CARBON	15K	5%	1/4W
R553	1-249-421-11	CARBON	2.2K	5%	1/4W
R554	1-249-439-11	CARBON	68K	5%	1/4W
R555	1-247-847-00	CARBON	4.7K	5%	1/4W
R556	1-247-871-00	CARBON	47K	5%	1/4W
R557	1-249-431-11	CARBON	15K	5%	1/4W
R561	1-247-831-00	CARBON	1K	5%	1/4W
R562	1-249-439-11	CARBON	68K	5%	1/4W
R570	1-249-421-11	CARBON	2.2K	5%	1/4W
R571	1-249-440-11	CARBON	82K	5%	1/4W
R572	1-249-419-11	CARBON	1.5K	5%	1/4W
R573	1-247-871-00	CARBON	47K	5%	1/4W
R574	1-249-399-11	CARBON	33	5%	1/4W F
R575	1-249-399-11	CARBON	33	5%	1/4W F
R576	1-249-414-11	CARBON	560	5%	1/4W
R580	1-247-863-00	CARBON	22K	5%	1/4W
R585	1-247-847-00	CARBON	4.7K	5%	1/4W
R586	1-247-871-00	CARBON	47K	5%	1/4W
R587	1-249-431-11	CARBON	15K	5%	1/4W
R588	1-249-431-11	CARBON	15K	5%	1/4W
R601	1-247-831-00	CARBON	1K	5%	1/4W
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-421-11	CARBON	2.2K	5%	1/4W
R604	1-249-439-11	CARBON	68K	5%	1/4W
R610	1-249-421-11	CARBON	2.2K	5%	1/4W
R611	1-249-440-11	CARBON	82K	5%	1/4W
R613	1-249-414-11	CARBON	560	5%	1/4W
R614	1-249-399-11	CARBON	33	5%	1/4W F
R615	1-249-399-11	CARBON	33	5%	1/4W F
R616	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R617	1-249-393-11	CARBON	10	5%	1/4W F
R618	1-249-389-11	CARBON	4.7	5%	1/4W F
R620	1-247-847-00	CARBON	4.7K	5%	1/4W
R621	1-240-855-81	CARBON	6.2K	5%	1/4W F
R622	1-249-419-11	CARBON	1.5K	5%	1/4W
R623	1-247-871-00	CARBON	47K	5%	1/4W
R624	1-249-431-11	CARBON	15K	5%	1/4W
R625	1-249-439-11	CARBON	68K	5%	1/4W
R631	1-249-421-11	CARBON	2.2K	5%	1/4W
R634	1-249-404-00	CARBON	82	5%	1/4W F
R638	1-249-439-11	CARBON	68K	5%	1/4W
R640	1-247-863-00	CARBON	22K	5%	1/4W
R648	1-249-431-11	CARBON	15K	5%	1/4W
R651	1-247-831-00	CARBON	1K	5%	1/4W
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-421-11	CARBON	2.2K	5%	1/4W
R654	1-249-439-11	CARBON	68K	5%	1/4W
R655	1-247-847-00	CARBON	4.7K	5%	1/4W
R656	1-247-871-00	CARBON	47K	5%	1/4W
R657	1-249-431-11	CARBON	15K	5%	1/4W
R660	1-249-421-11	CARBON	2.2K	5%	1/4W
R661	1-249-440-11	CARBON	82K	5%	1/4W
R663	1-249-414-11	CARBON	560	5%	1/4W
R664	1-249-399-11	CARBON	33	5%	1/4W F
R665	1-249-399-11	CARBON	33	5%	1/4W F
R666	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R667	1-249-393-11	CARBON	10	5%	1/4W F
R668	1-249-389-11	CARBON	4.7	5%	1/4W F
R669	1-247-847-00	CARBON	4.7K	5%	1/4W
R671	1-240-855-81	CARBON	6.2K	5%	1/4W F
R672	1-249-419-11	CARBON	1.5K	5%	1/4W
R673	1-247-871-00	CARBON	47K	5%	1/4W
R674	1-249-431-11	CARBON	15K	5%	1/4W
R675	1-247-847-00	CARBON	4.7K	5%	1/4W
R676	1-247-871-00	CARBON	47K	5%	1/4W
R677	1-249-431-11	CARBON	15K	5%	1/4W
R680	1-247-863-00	CARBON	22K	5%	1/4W
R681	1-249-431-11	CARBON	15K	5%	1/4W
R690	1-247-887-00	CARBON	220K	5%	1/4W
⚠R691	1-215-888-00	METAL OXIDE	220	5%	2W F
⚠R692	1-215-888-00	METAL OXIDE	220	5%	2W F
R693	1-249-429-11	CARBON	10K	5%	1/4W
R694	1-249-429-11	CARBON	10K	5%	1/4W
R695	1-249-429-11	CARBON	10K	5%	1/4W
R696	1-247-871-00	CARBON	47K	5%	1/4W
R698	1-249-429-11	CARBON	10K	5%	1/4W
R699	1-247-895-00	CARBON	470K	5%	1/4W
R701	1-247-831-00	CARBON	1K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-421-11	CARBON	2.2K	5%	1/4W
R704	1-249-439-11	CARBON	68K	5%	1/4W
R710	1-249-421-11	CARBON	2.2K	5%	1/4W
R711	1-249-440-11	CARBON	82K	5%	1/4W
R713	1-249-414-11	CARBON	560	5%	1/4W
R714	1-249-399-11	CARBON	33	5%	1/4W F
R715	1-249-399-11	CARBON	33	5%	1/4W F
R716	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R717	1-249-393-11	CARBON	10	5%	1/4W F
R718	1-249-389-11	CARBON	4.7	5%	1/4W F
R719	1-247-847-00	CARBON	4.7K	5%	1/4W
R721	1-240-855-81	CARBON	6.2K	5%	1/4W F
R722	1-249-419-11	CARBON	1.5K	5%	1/4W
R723	1-247-871-00	CARBON	47K	5%	1/4W
R724	1-249-431-11	CARBON	15K	5%	1/4W
R725	1-249-439-11	CARBON	68K	5%	1/4W
R731	1-249-421-11	CARBON	2.2K	5%	1/4W
R732	1-249-381-11	CARBON	1	5%	1/4W F
R733	1-249-381-11	CARBON	1	5%	1/4W F
R734	1-249-404-00	CARBON	82	5%	1/4W F
R735	1-249-427-11	CARBON	6.8K	5%	1/4W
R736	1-247-831-00	CARBON	1K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R737	1-249-436-11	CARBON	39K	5%	1/4W
R740	1-247-863-00	CARBON	22K	5%	1/4W
R741	1-249-431-11	CARBON	15K	5%	1/4W
R743	1-249-431-11	CARBON	15K	5%	1/4W
R744	1-249-431-11	CARBON	15K	5%	1/4W
R745	1-247-847-00	CARBON	4.7K	5%	1/4W
R746	1-247-871-00	CARBON	47K	5%	1/4W
R747	1-249-431-11	CARBON	15K	5%	1/4W
R748	1-249-431-11	CARBON	15K	5%	1/4W
R750	1-247-863-00	CARBON	22K	5%	1/4W
R751	1-247-831-00	CARBON	1K	5%	1/4W
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-421-11	CARBON	2.2K	5%	1/4W
R754	1-249-439-11	CARBON	68K	5%	1/4W
R755	1-247-847-00	CARBON	4.7K	5%	1/4W
R756	1-247-871-00	CARBON	47K	5%	1/4W
R757	1-249-431-11	CARBON	15K	5%	1/4W
R758	1-249-431-11	CARBON	15K	5%	1/4W
R760	1-249-421-11	CARBON	2.2K	5%	1/4W
R761	1-249-440-11	CARBON	82K	5%	1/4W
R763	1-249-414-11	CARBON	560	5%	1/4W
R764	1-249-399-11	CARBON	33	5%	1/4W F
R765	1-249-399-11	CARBON	33	5%	1/4W F
R766	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R767	1-249-393-11	CARBON	10	5%	1/4W F
R768	1-249-389-11	CARBON	4.7	5%	1/4W F
R769	1-247-847-00	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	1-247-871-00	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
R804	1-249-429-11	CARBON	10K	5%	1/4W
R806	1-247-863-00	CARBON	22K	5%	1/4W
R824	1-249-421-11	CARBON	2.2K	5%	1/4W (K9900P)
R831	1-249-404-00	CARBON	82	5%	1/4W F (K9900P)
⚠R910	1-240-877-11	FUSIBLE	0.15	5%	1/2W F
		< RELAY >			
RY560	1-755-267-11	RELAY			
RY601	1-755-170-11	RELAY (12V)			
RY701	1-755-170-11	RELAY (12V)			
RY791	1-755-170-11	RELAY (12V)			
RY801	1-755-013-11	RELAY (K9900P)			
		< TERMINAL BOARD >			
TM601	1-780-216-11	TERMINAL BOARD (8P) (SPEAKERS FRONT A,SURROUND)			

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Ref. No.	Part No.	Description			Remark
		POWER BOARD			
		**********			
		< CONNECTOR >			
* CNP102	1-564-518-11	PLUG, CONNECTOR 3P			
		< RESISTOR >			
R129	1-249-421-11	CARBON	2.2K	5%	1/4W
R130	1-247-847-00	CARBON	4.7K	5%	1/4W
		< SWITCH >			
S128	1-771-410-21	SWITCH, TACTILE (SPEAKERS (ON/OFF))			(K5900P)
S128	1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B/A+B))			(K9900P)
S129	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S130	1-771-410-21	SWITCH, TACTILE (DIMMER)			
S131	1-771-410-21	SWITCH, TACTILE (**I**/⏻)			

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		SPEAKER C/SB BOARD			
		**********			
		< CONNECTOR >			
* CNP503	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
		< DIODE >			
D510	8-719-991-33	DIODE 1SS133T-77			
		< COIL >			
L571	1-420-872-52	COIL, AIR-CORE			
L751	1-420-872-52	COIL, AIR-CORE			
		< TRANSISTOR >			
Q550	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
R531	1-249-421-11	CARBON	2.2K	5%	1/4W
R534	1-249-404-00	CARBON	82	5%	1/4W F
R578	1-249-389-11	CARBON	4.7	5%	1/4W F
R751	1-249-389-11	CARBON	4.7	5%	1/4W F
		< RELAY >			
RY501	1-755-170-11	RELAY (12V)			
		< TERMINAL BOARD >			
TM501	1-780-215-11	TERMINAL BOARD (4P) (SPEAKERS SURROUND BACK,CENTER)			

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		SPEAKER B (P) BOARD (K9900P)			
		**********			
		< CONNECTOR >			
CNP610	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
CNP611	1-779-978-11	PIN, CONNECTOR 3P			

SPEAKER B (P) **STANDBY** **TUNING** **VIDEO**

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D810	8-719-991-33	DIODE 1SS133T-77			
		< TRANSISTOR >			
Q810	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
R810	1-249-404-00	CARBON	82	5%	1/4W F
R811	1-249-421-11	CARBON	2.2K	5%	1/4W
		< RELAY >			
RY610	1-755-170-11	RELAY (12V)			
		< TERMINAL BOARD >			
* TM610	1-537-240-21	TERMINAL BOARD (CHECKER PIN) (4P) (SPEAKERS FRONT B)			
**********					
	A-1084-334-A	STANDBY BOARD, COMPLETE			
		**********			
	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
C922	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	1-784-922-11	PIN, CONNECTOR 5P			
		< 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
		< TRANSISTOR >			
Q901	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q921	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
⚠R810	1-243-634-11	FUSIBLE	0.22	5%	1/2W F
⚠R811	1-243-634-11	FUSIBLE	0.22	5%	1/2W F
⚠R901	1-219-237-11	SOLID	3.3M	20%	1/2W F
R902	1-247-871-00	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	1-247-871-00	CARBON	47K	5%	1/4W
R922	1-247-863-00	CARBON	22K	5%	1/4W
R923	1-249-429-11	CARBON	10K	5%	1/4W
		< RELAY >			
⚠RY901	1-755-541-11	RELAY			
		< TRANSFORMER >			
⚠T902	1-443-516-11	TRANSFORMER, POWER			
**********					
		TUNING BOARD			
		**********			
		< CONNECTOR >			
* CNP104	1-564-517-11	PLUG, CONNECTOR 2P			
		< RESISTOR >			
R149	1-247-831-00	CARBON	1K	5%	1/4W
R150	1-249-419-11	CARBON	1.5K	5%	1/4W
R151	1-249-421-11	CARBON	2.2K	5%	1/4W
R152	1-247-847-00	CARBON	4.7K	5%	1/4W
R153	1-249-429-11	CARBON	10K	5%	1/4W
		< SWITCH >			
S148	1-771-410-21	SWITCH, TACTILE (TUNING –)			
S149	1-771-410-21	SWITCH, TACTILE (FM MODE)			
S150	1-771-410-21	SWITCH, TACTILE (MEMORY)			
S151	1-771-410-21	SWITCH, TACTILE (PRESET TUNING –)			
S152	1-771-410-21	SWITCH, TACTILE (PRESET TUNING +)			
S153	1-771-410-21	SWITCH, TACTILE (TUNING +)			
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	A-1084-344-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C200	1-128-805-11	CERAMIC	47PF	5%	50V
C201	1-128-805-11	CERAMIC	47PF	5%	50V
C206	1-126-964-11	ELECT	10uF	20%	50V
C207	1-126-964-11	ELECT	10uF	20%	50V
C208	1-126-964-11	ELECT	10uF	20%	50V
C209	1-126-964-11	ELECT	10uF	20%	50V
C210	1-126-964-11	ELECT	10uF	20%	50V
C213	1-126-923-11	ELECT	220uF	20%	10V
C214	1-127-888-11	CERAMIC	0.1uF	10%	50V
C215	1-127-888-11	CERAMIC	0.1uF	10%	50V

Ref. No.	Part No.	Description			Remark
C220	1-126-947-11	ELECT	47uF	20%	35V
C221	1-126-923-11	ELECT	220uF	20%	10V
C223	1-127-888-11	CERAMIC	0.1uF	10%	50V
C224	1-127-888-11	CERAMIC	0.1uF	10%	50V
C308	1-126-964-11	ELECT	10uF	20%	50V
C309	1-126-964-11	ELECT	10uF	20%	50V
C310	1-126-964-11	ELECT	10uF	20%	50V
C311	1-126-964-11	ELECT	10uF	20%	50V
C312	1-126-964-11	ELECT	10uF	20%	50V
C313	1-126-964-11	ELECT	10uF	20%	50V
C314	1-127-868-11	CERAMIC	0.0022uF	10%	50V
C315	1-127-868-11	CERAMIC	0.0022uF	10%	50V
C316	1-127-868-11	CERAMIC	0.0022uF	10%	50V
C317	1-126-947-11	ELECT	47uF	20%	35V
C330	1-127-888-11	CERAMIC	0.1uF	10%	50V
C331	1-127-888-11	CERAMIC	0.1uF	10%	50V
C338	1-126-947-11	ELECT	47uF	20%	35V
		< CONNECTOR >			
* CNP202	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CNP203	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNS250	1-568-443-11	SOCKET, CONNECTOR 13P			
		< DIODE >			
D203	8-719-991-33	DIODE 1SS133T-77			
D204	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC203	6-701-890-01	IC NJM2595D			
IC304	6-707-363-01	IC NJM2586L			
IC804	8-759-245-79	IC TA79005S			
IC807	8-759-231-53	IC TA7805S			
		< JACK >			
J200	1-794-978-11	JACK, PIN 3P (DVD VIDEO IN, VIDEO 2 VIDEO IN,VIDEO 1 VIDEO OUT)			
J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)			
J301	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO DVD IN (ASSIGNABLE), VIDEO 2 IN (ASSIGNABLE),MONITOR OUT)			
		< RESISTOR >			
R200	1-247-804-11	CARBON	75	5%	1/4W
R201	1-247-804-11	CARBON	75	5%	1/4W
R218	1-247-804-11	CARBON	75	5%	1/4W
R219	1-247-804-11	CARBON	75	5%	1/4W
R220	1-247-804-11	CARBON	75	5%	1/4W
R221	1-247-804-11	CARBON	75	5%	1/4W
R301	1-247-804-11	CARBON	75	5%	1/4W
R302	1-247-804-11	CARBON	75	5%	1/4W
R303	1-247-804-11	CARBON	75	5%	1/4W
R304	1-247-804-11	CARBON	75	5%	1/4W
R305	1-247-804-11	CARBON	75	5%	1/4W
R306	1-247-804-11	CARBON	75	5%	1/4W
R307	1-247-804-11	CARBON	75	5%	1/4W
R308	1-247-804-11	CARBON	75	5%	1/4W
R309	1-247-804-11	CARBON	75	5%	1/4W
R310	1-247-831-00	CARBON	1K	5%	1/4W
R311	1-247-831-00	CARBON	1K	5%	1/4W
R312	1-247-831-00	CARBON	1K	5%	1/4W
R313	1-247-863-00	CARBON	22K	5%	1/4W

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VIDEO3 BOARD

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< CAPACITOR >

C293	1-127-888-11	CERAMIC	0.1uF	10%	50V
C294	1-127-888-11	CERAMIC	0.1uF	10%	50V
C298	1-162-286-31	CERAMIC	220PF	10%	50V
C299	1-162-286-31	CERAMIC	220PF	10%	50V

< CONNECTOR >

CN201	1-784-922-11	PIN, CONNECTOR 5P

< JACK >

J298	1-819-187-11	JACK, PIN 3P (VIDEO 3 INPUT VIDEO,AUDIO L/R)

< RESISTOR >

R298	1-247-831-00	CARBON	1K	5%	1/4W
R299	1-247-831-00	CARBON	1K	5%	1/4W

< LEAD WIRE >

* W290	1-690-880-31	LEAD (WITH CONNECTOR)

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MISCELLANEOUS

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102	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)
103	1-828-972-11	WIRE (FLAT TYPE) (13 CORE)
⚠105	1-783-820-11	CORD, POWER
⚠F901	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (5A/125V)
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK
Q533	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q534	6-702-391-01	TRANSISTOR MP1620-OPY-MK
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK
Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK
Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK
Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK
Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK
⚠T901	1-443-524-11	TRANSFORMER, POWER (K9900P)
⚠T901	1-443-628-11	TRANSFORMER, POWER (K5900P)
TN1	1-693-675-11	TUNER PACK (ANTENNA) (EXCEPT K5900P:SILVER)
TN1	1-693-675-21	TUNER PACK (ANTENNA) (K5900P:SILVER)

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2005. 03	New