

STR-DE597

SERVICE MANUAL

Ver 1.0 2004. 04

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model*



Photo: Silver type

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

(Models of area code US only)

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

Amplifier section

Power Output

Models of area code US, CND

Rated Power Output at Stereo Mode

(8 ohms 20 Hz – 20 kHz, THD 0.09 %)

90 W + 90 W ¹⁾

Reference Power Output ¹⁾

(8 ohms 20 Hz – 20 kHz, THD 0.09 %)

FRONT ²⁾ : 90 W/ch

CENTER ²⁾ : 90 W

SURR ²⁾ : 90 W/ch

SURR BACK ²⁾ : 90 W

(8 ohms 1 kHz, THD 0.7 %)

FRONT ²⁾ : 100 W/ch

CENTER ²⁾ : 100 W

SURR ²⁾ : 100 W/ch

SURR BACK ²⁾ : 100 W

Models of area code AEP, UK

Rated Power Output at Stereo Mode

(8 ohms 1 kHz, THD 0.7 %)

100 W + 100 W ¹⁾

Reference Power Output ¹⁾

(8 ohms 1 kHz, THD 0.7 %)

FRONT ²⁾ : 100 W/ch

CENTER ²⁾ : 100 W

SURR ²⁾ : 100 W/ch

SURR BACK ²⁾ : 100 W

Models of area code E2, SP, MY

Rated Power Output at Stereo Mode

(8 ohms 1 kHz, THD 0.7 %)

100 W + 100 W ¹⁾

Reference Power Output ¹⁾

(8 ohms 1 kHz, THD 10 %)

FRONT ²⁾ : 120 W/ch

CENTER ²⁾ : 120 W

SURR ²⁾ : 120 W/ch

SURR BACK ²⁾ : 120 W

– Continued on next page –

FM STEREO/FM-AM RECEIVER

9-877-764-01

2004D04-1

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Home Audio Company

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SONY®

STR-DE597

Models of area code AR, KR	
Rated Power Output at Stereo Mode	
(8 ohms 1 kHz, THD 0.7 %)	
	100 W + 100 W ¹⁾
	90 W + 90 W ³⁾
Reference Power Output ¹⁾	
(8 ohms 1 kHz, THD 10 %)	
	FRONT ²⁾ : 120 W/ch
	CENTER ²⁾ : 120 W
	SURR ²⁾ : 120 W/ch
	SURR BACK ²⁾ : 120 W
Models of area code AUS	
Rated Power Output at Stereo Mode	
(8 ohms 20 Hz – 20 kHz, THD 0.09 %)	
(8 ohms 1 kHz, THD 0.7 %)	
	80 W + 80 W ¹⁾
	100 W + 100 W ¹⁾
Reference Power Output ¹⁾	
(8 ohms 20 Hz – 20 kHz, THD 0.09 %)	
	FRONT ²⁾ : 80 W/ch
	CENTER ²⁾ : 80 W
	SURR ²⁾ : 80 W/ch
	SURR BACK ²⁾ : 80 W
(8 ohms 1 kHz, THD 0.7 %)	
	FRONT ²⁾ : 100 W/ch
	CENTER ²⁾ : 100 W
	SURR ²⁾ : 100 W/ch
	SURR BACK ²⁾ : 100 W
(8 ohms 1 kHz, THD 10 %)	
	FRONT ²⁾ : 120 W/ch
	CENTER ²⁾ : 120 W
	SURR ²⁾ : 120 W/ch
	SURR BACK ²⁾ : 120 W

1) Measured under the following conditions:

Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP, UK, SP, MY, AR, KR	230 V AC, 50 Hz
AUS, E2	240 V AC, 50 Hz

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

3) Measured under the following conditions:

Area code	Power requirements
AR, KR	220 V AC, 50 Hz

Frequency response	
MULTI CH IN, SA-CD/	10 Hz – 70 kHz
CD, MD/TAPE, DVD,	+0.5/–2 dB (with sound
VIDEO 1, 2	field and tone bypassed)

Inputs (Analog)	
MULTI CH IN, SA-CD/	Sensitivity: 500 mV
CD, MD/TAPE, DVD,	Impedance: 50 kilohms
VIDEO 1, 2	S/N ⁴⁾ : 96 dB
	(A, 500 mV ⁵⁾)

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

5) Weighted network, input level.

Inputs (Digital)	
DVD (Coaxial)	Sensitivity: –
	Impedance: 75 ohms
	S/N: 100 dB
	(A, 20 kHz LPF)
VIDEO 2, SA-CD/CD	Sensitivity: –
(Optical)	Impedance: –
	S/N: 100 dB
	(A, 20 kHz LPF)

Outputs (Analog)	
MD/TAPE (OUT),	Voltage: 500 mV
VIDEO 1 (AUDIO OUT)	Impedance: 10 kilohms
SUB WOOFER	Voltage: 2 V
	Impedance: 1 kilohms

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
Sensitivity	
Mono:	18.3 dBf, 2.2 μV/75 ohms
Stereo:	38.3 dBf, 22.5 μV/75 ohms
Useable sensitivity	11.2 dBf, 1 μV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz,
	+0.5/–2 dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	
Models of area code US, CND	
With 10-kHz tuning scale: 530 – 1,710 kHz ⁶⁾	
With 9-kHz tuning scale: 531 – 1,710 kHz ⁶⁾	
Models of area code E2	
With 10-kHz tuning scale: 530 – 1,610 kHz ⁶⁾	
With 9-kHz tuning scale: 531 – 1,602 kHz ⁶⁾	
Models of area code AEP, UK, AUS, SP, MY, KR	
With 9-kHz tuning scale: 531 – 1,602 kHz	
Models of area code AR	
With 10-kHz tuning scale: 530 – 1,610 kHz	
Antenna	Loop antenna
Intermediate frequency	450 kHz
Usable sensitivity	50 dB/m (at 1,000 kHz or
	999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5 % (50 mV/m, 400 Hz)
Selectivity	
At 9 kHz:	35 dB
At 10 kHz:	40 dB

6) 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:
 (Except for models of area code AEP, UK)
 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, CND	120 V AC, 60 Hz
AEP, UK	230 V AC, 50/60 Hz
AUS	240 V AC, 50 Hz
SP, MY, AR, KR	220 – 230 V AC, 50/60 Hz
E2	120/220/240 V AC, 50/60 Hz

Power consumption

Area code	Power consumption
US, AEP, UK, E2, AUS, SP, MY, AR, KR	220 W
CND	300 VA

Power consumption (during standby mode)
 0.3 W

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

430 × 157.5 × 312 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)

Supplied accessories

FM wire antenna (1)
 AM loop antenna (1)
 Remote commander RM-U306B (1)
 R6 (size-AA) batteries (2)

Design and specifications are subject to change without notice.

• Abbreviation

CND : Canadian model
 E2 : AC 120 V area in E model
 AUS : Australian model
 SP : Singapore model
 MY : Malaysia model
 AR : Argentina model
 KR : Korea model

SAFETY CHECK-OUT (US MODEL)

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

LEAKAGE TEST

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

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

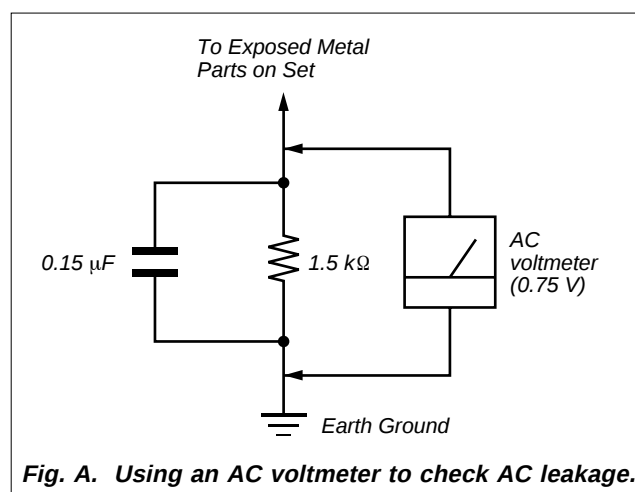


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

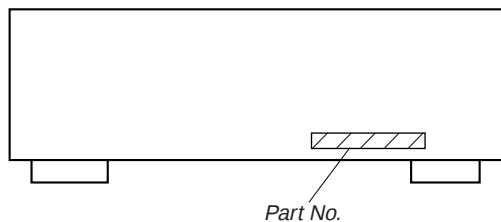
COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

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

MODEL IDENTIFICATION

— BACK PANEL —



MODEL	PART No.
US	4-252-454-0□
CND	4-252-454-1□
AEP	4-252-454-2□
UK	4-252-454-3□
SP, MY	4-252-454-4□
AUS	4-252-454-5□
KR	4-252-454-7□
E2	4-252-454-8□
AR	4-252-454-9□

• Abbreviation

CND: Canadian model
 E2 : AC 120 V area in E model
 AUS : Australian model
 SP : Singapore model
 MY : Malaysia model
 AR : Argentina model
 KR : Korea 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, 27, 48)

↑

↑

Name of button/part Reference page

Main unit

ALPHABETICAL ORDER

A - H

A.F.D. (button/indicator) **11** (30, 31, 32, 47, 48)

DIMMER **4** (27)

DISPLAY **3** (26, 27, 48)

Display **7** (26, 27)

DVD **24** (22)

ENTER **15** (17, 18, 39)

FM MODE **29** (23)

I - O

Input buttons **20** (22, 35, 38, 39, 48)

INPUT MODE **17** (35)

IR (receptor) **5** (42, 48)

MAIN MENU **8** (18, 35, 37, 39)

MASTER VOLUME +/- **16** (17, 21, 22, 47)

MD/TAPE **23** (22)

MEMORY **30** (24, 25)

MOVIE (button/indicator) **12** (31, 32, 47, 48)

MULTI CHANNEL DECODING (indicator) **6** (23)

MULTI CH IN **9** (23)

MUSIC (button/indicator) **13** (32, 47, 48)

P - Z

PHONES (jack) **31** (22, 47)

PRESET TUNING +/- **27** (25, 51)

SA-CD/CD **22** (22)

SPEAKERS (OFF/A/B/A+B) **2** (16, 40, 47)

SURR BACK DECODING **14** (33)

TUNER FM/AM **21** (22, 23, 24, 25, 39)

TUNING +/- **28** (23, 51)

VIDEO 1 **26** (22)

VIDEO 2 **25** (22)

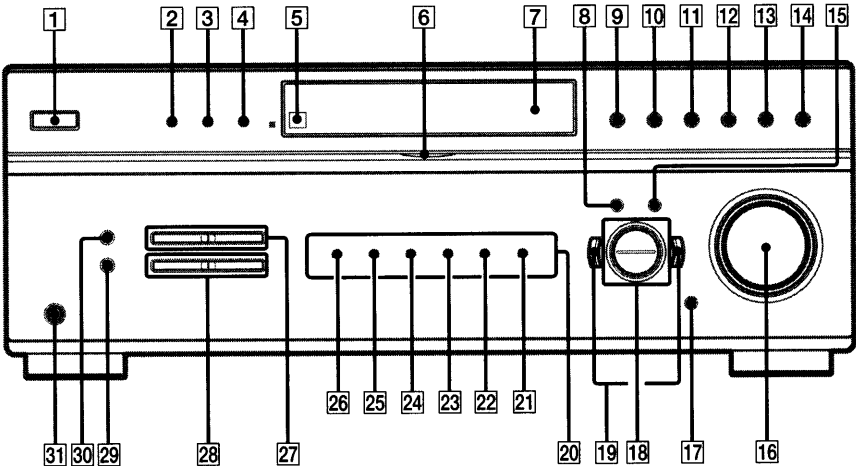
NUMBERS AND SYMBOLS

2CH (button/indicator) **10** (30, 32, 36)

I/⏻ (power) **1** (17, 18, 24, 36, 51)

</> **19** (18, 35, 37, 39)

+/- **18** (18, 35, 37, 39)



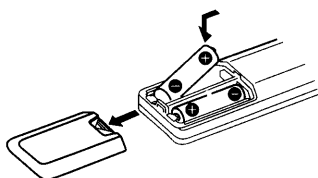
Operations Using the Remote RM-U306B

You can use the remote RM-U306B 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.



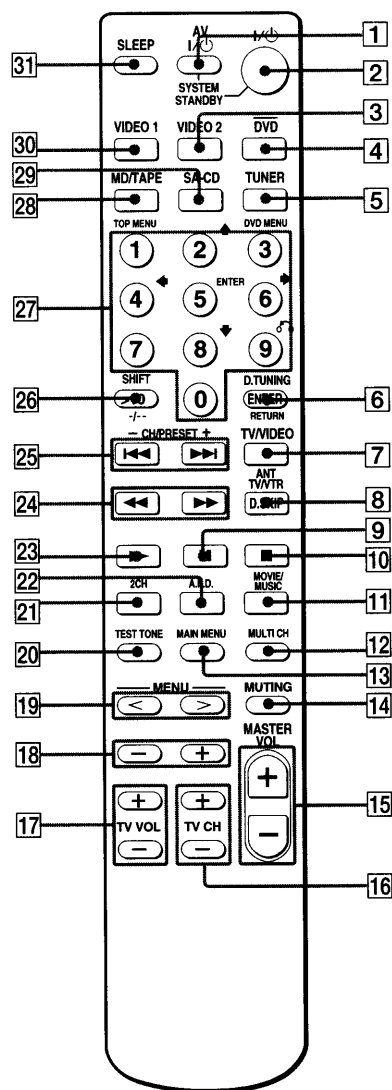
Tip

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

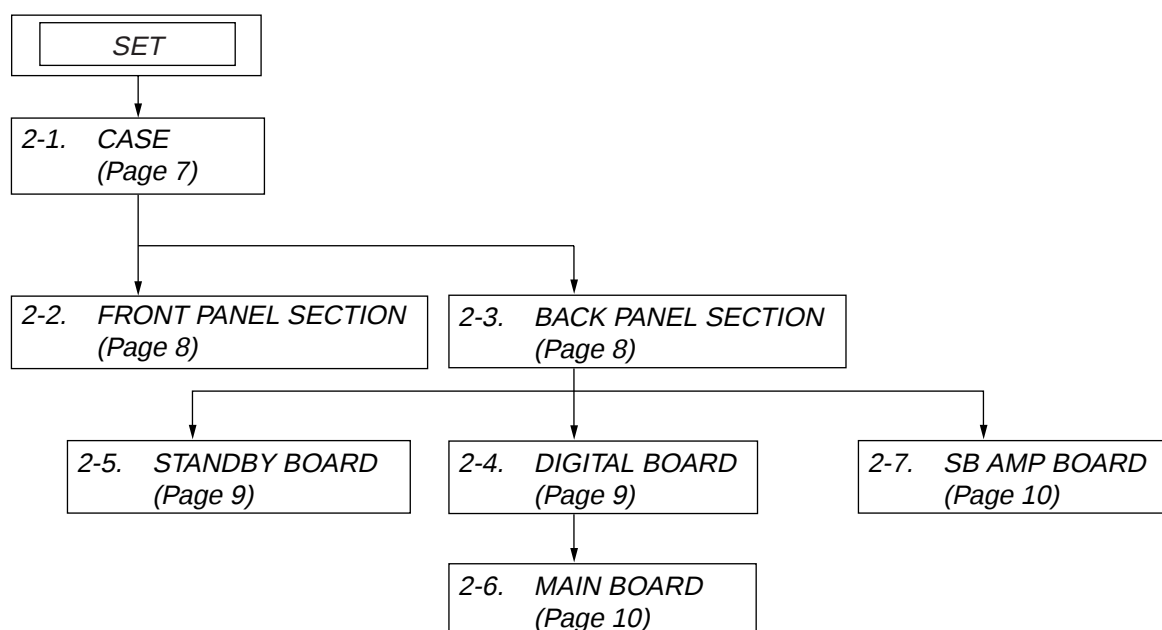
- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries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

Remote button description



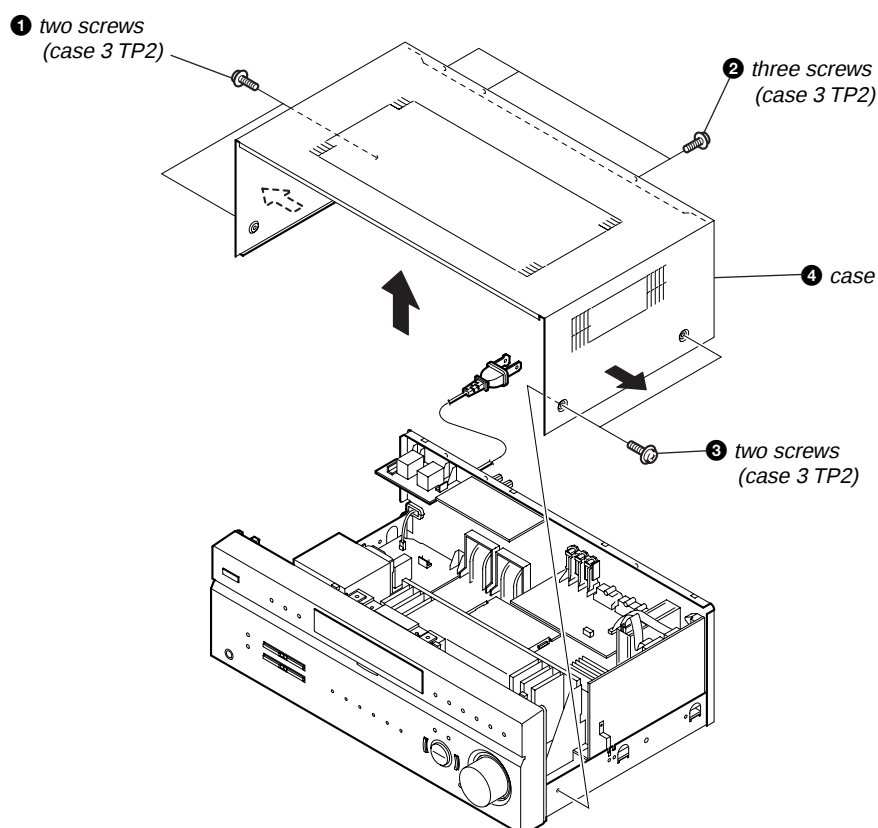
SECTION 2 DISASSEMBLY

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

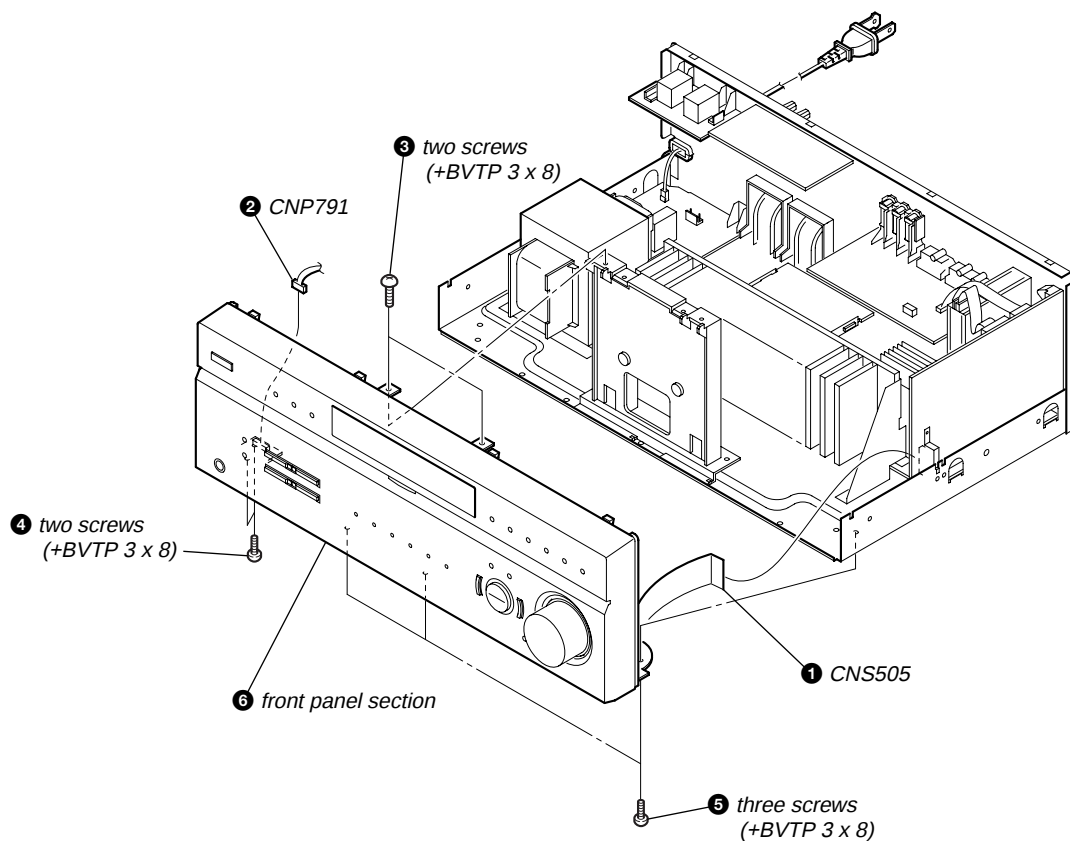


Note : Follow the disassembly procedure in the numerical order given.

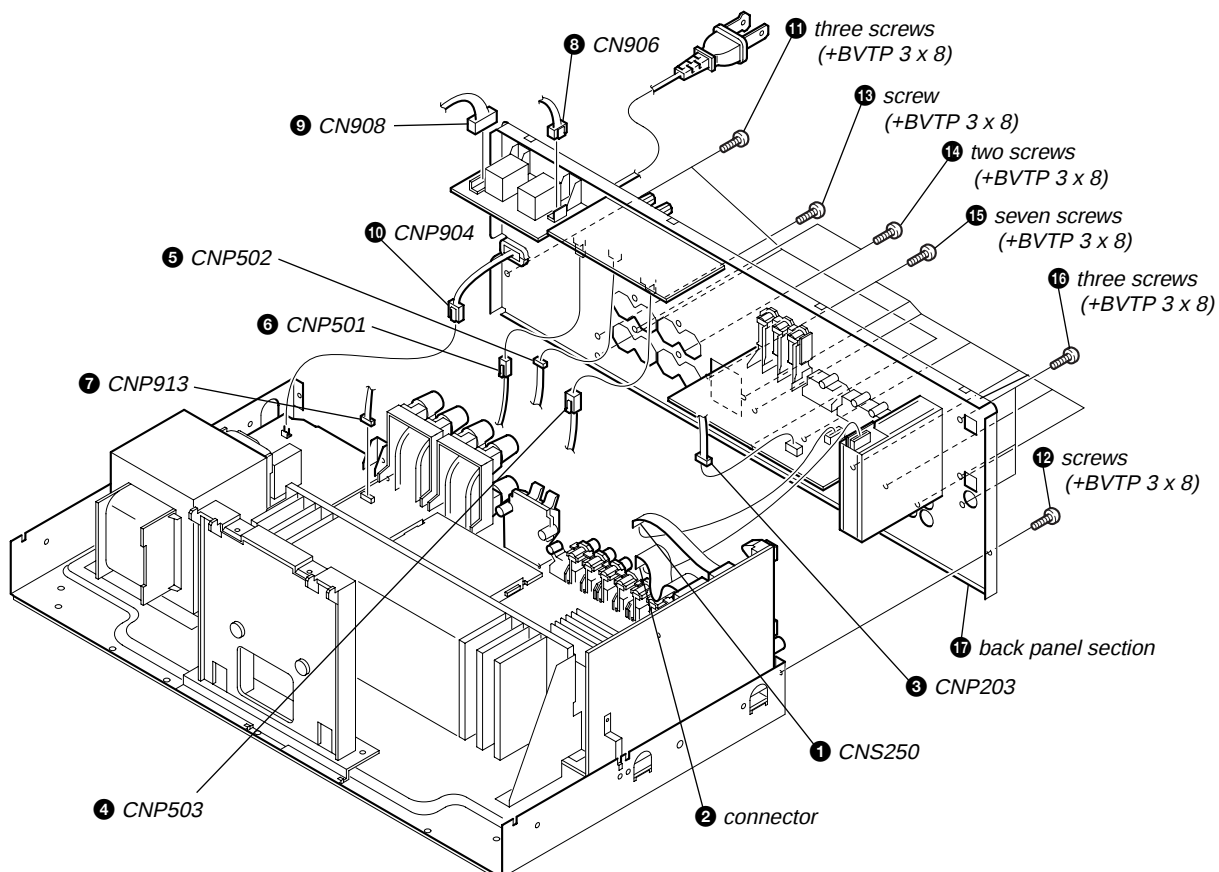
2-1. CASE



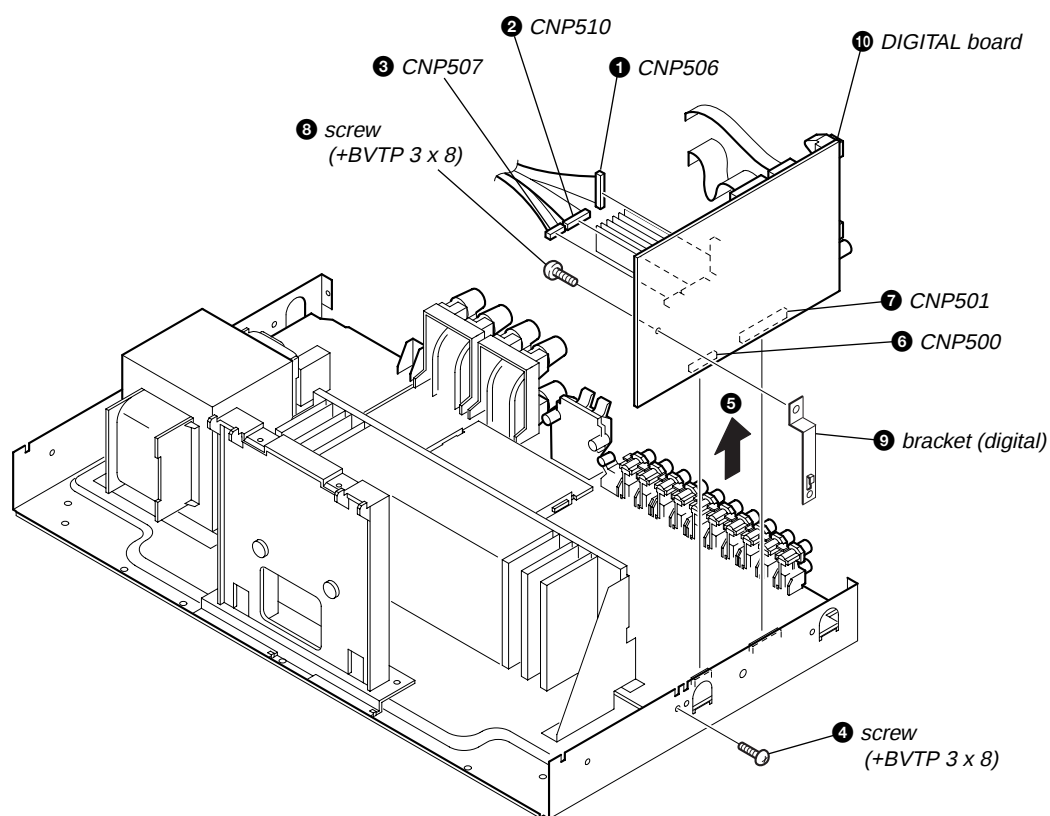
2-2. FRONT PANEL SECTION



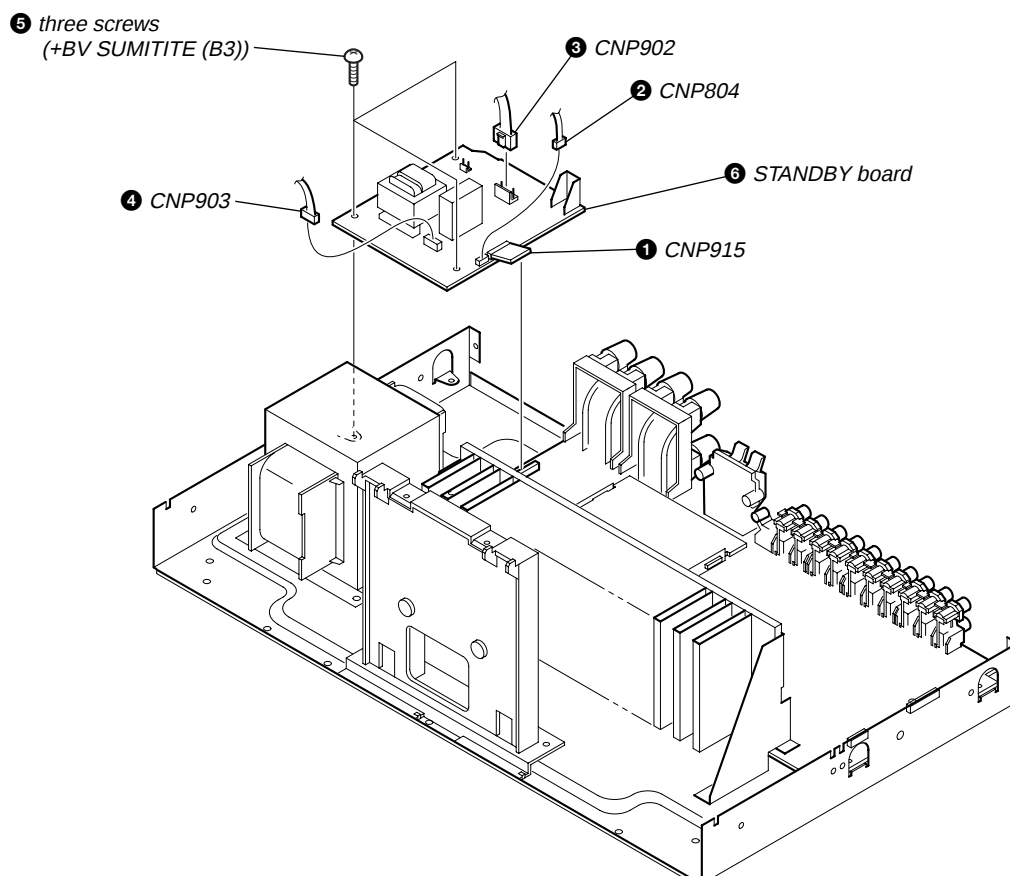
2-3. BACK PANEL SECTION



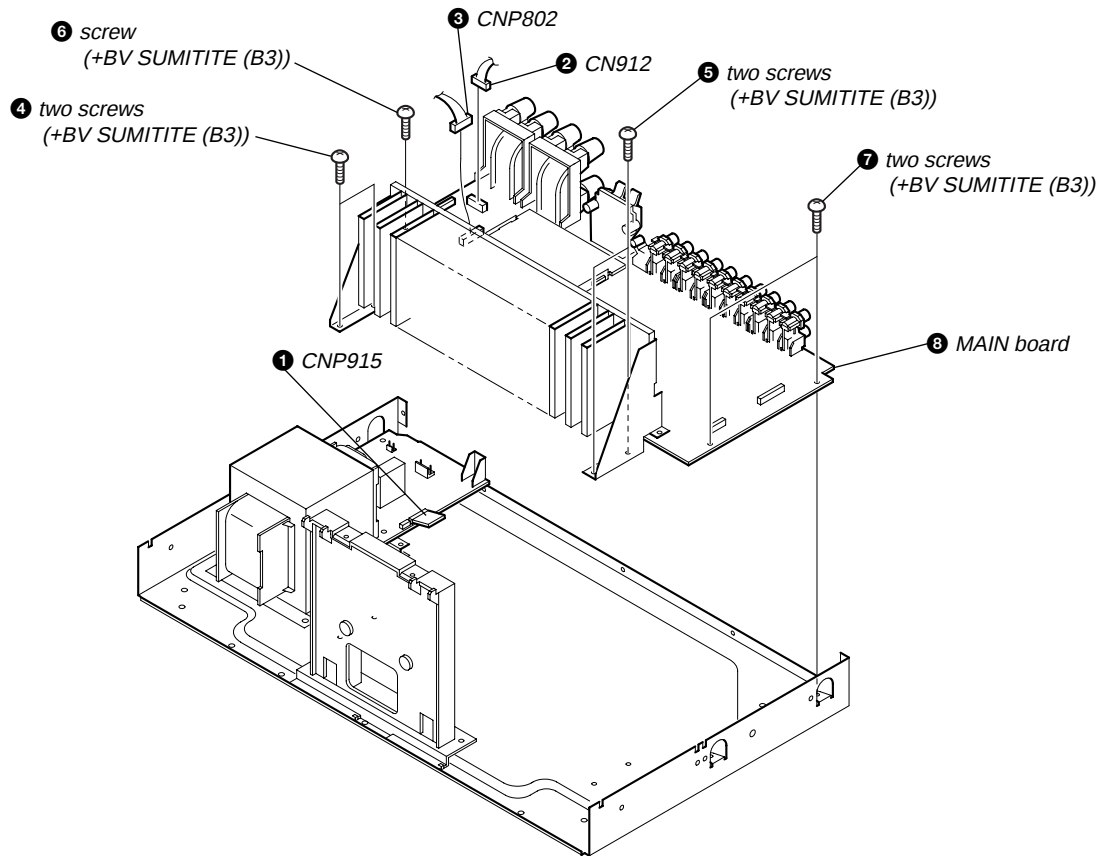
2-4. DIGITAL BOARD



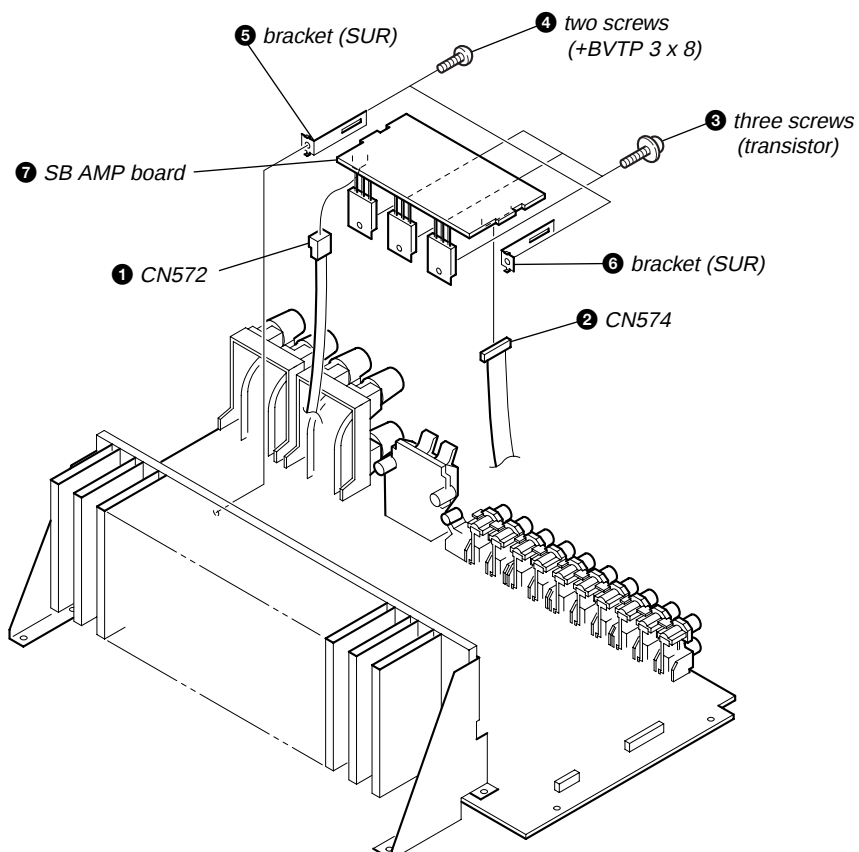
2-5. STANDBY BOARD



2-6. MAIN BOARD



2-7. SB AMP 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, E2 model only)

- * Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
- * Procedure:
Press the **[TUNER FM/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.

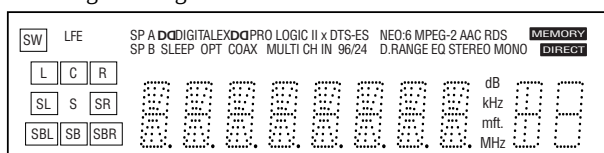
SPEAKER SIZE SELECTION MODE

- * 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

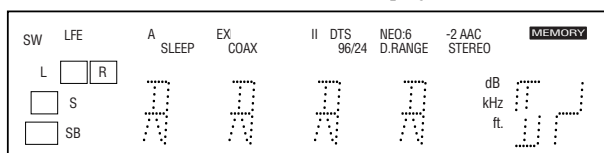
- * All fluorescent segments are tested.
When this test is activated, all segments light on at the same time, then each segment lights on one after another.
- * Procedure:
While depressing the **[TUNING -]** and the **[SPEAKERS (OFF/A/B/A+B)]** buttons simultaneously, press the **[I/⏻]** button to turn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

1. ALL segments light on.



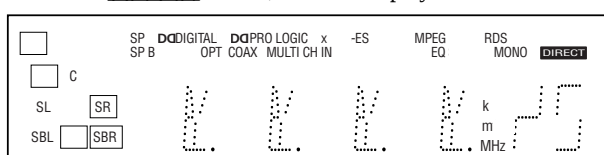
[2CH], **[A.F.D.]**, **[MOVIE]**, **[MUSIC]** and **[MULTI CHANNEL DECODING]** LED light on.

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]**, **[DVD]**, **[MD/TAPE]**, **[SA-CD/CD]** and **[TUNER FM/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 28” appears.
Every pressing of any button other than the **[I/⏻]** counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed “REST 00” appears.

AUTOBETICAL MODE (AEP, UK model only)

- * When this mode is used, the receiver scans the broadcasts that can be received by the tuner, and sets up the broadcasts.
Be sure to start scanning after connecting the antenna.
- * Procedure:
Check that the antenna is connected.
While depressing the **[MEMORY]** button, press the **[I/⏻]** button to turn on the main power.
The message “AUTO-BETICAL SELECT” appears for a moment and the receiver starts scanning.

COMMAND MODE SELECTION MODE

- * The command mode (AV1 or AV2) of the remote commander can be selected.
- * Procedure:
While depressing the **[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. IC PIN DESCRIPTIONS

• IC1501 CXD9718Q (DSP) (DIGITAL Board (2/3))

Pin No.	Pin Name	I/O	Pin Description
1	VSS	—	Ground
2	XRST	I	Reset signal input from SYSTEM CONTROL IC
3	EXTIN	I	Not used (Connect to ground)
4	LRCKI3	I	Not used (Connect to ground)
5	VDDI	I	Power supply pin (+2.6 V)
6	BCKI3	I	Not used (Connect to ground)
7	PLOCK	O	Not used (Open)
8	VSS	—	Ground
9	MCLK1	I	Clock signal input (13.5 MHz)
10	VDDI	I	Power supply pin (+2.6 V)
11	VSS	—	Ground
12	MCLK2	O	Clock signal output (13.5 MHz)
13	MS	I	Not used (Fixed at L)
14	SCKOUT	O	Internal system clock signal output for 2CH/6CH DAC IC
15	LRCKI1	I	Sampling clock signal input from ADC IC
16	VDDE	I	Power supply pin (+3.3 V)
17	BCKI1	I	Bit clock signal input from ADC IC
18	SDI1	I	Audio IF data input from ADC IC
19	LRCKO	O	Sampling clock signal output for 2CH/6CH DAC IC
20	BCKO	O	Bit clock signal output for 2CH/6CH DAC IC
21	VSS	—	Ground
22	KFSIO	I/O	Audio clock signal (384fs/256fs) input/output for DIR IC
23 to 25	SDO1 to SDO3	O	Digital audio serial data output for 6CH DAC IC
26	SDO4	O	Digital audio serial data output for 2CH 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 (+2.6 V)
41	VSS	—	Ground
42	GP15	O	Not used (Open)
43	OE0	O	Not used (Open)
44	CS0	O	External memory chip select signal output for D/A converter IC (SRAM)
45	WE0	O	SRAM write enable signal output for D/A converter IC
46	VDDE	I	Power supply pin (+3.3 V)
47	WMD1	I	Not used (Fixed at H)
48	VSS	—	Ground
49	WMD0	I	Not used (Fixed at H)
50	PAGE2	O	Not used (Open)
51	VSS	—	Ground
52, 53	PAGE1, PAGE0	O	Not used (Open)
54	BOOT	I	Not used (Connect to ground)
55	TST1	O	Not used (Open)

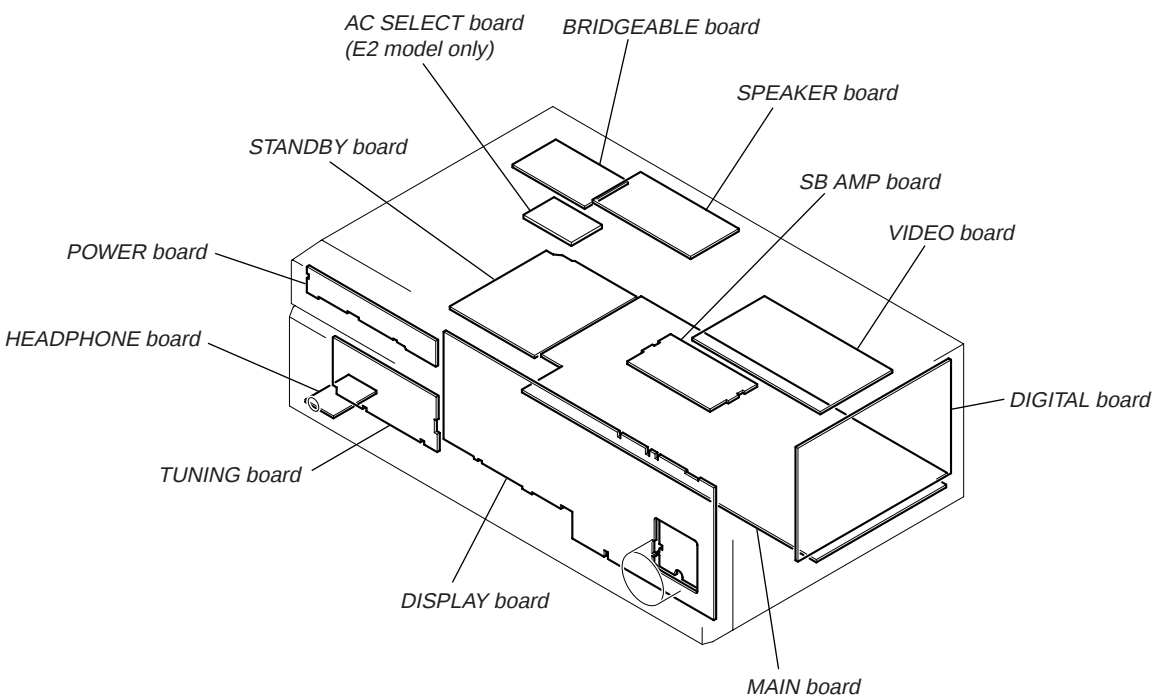
Pin No.	Pin Name	I/O	Pin Description
56	BST	I	Boot stop signal input from SYSTEM CONTROL IC
57	MOD1	I	Operation mode signal input (L: 386fs, H: 256fs) (Fixed at H)
58	MOD0	I	Operation mode signal input (L: single chip mode, H: use prohibited) (Fixed at L)
59	EXLOCK	I	Error detection signal input from DIR IC
60	VDDI	I	Power supply pin (+2.6 V)
61	VSS	—	Ground
62, 63	A17, A16	O	Not used (Open)
64 to 66	A15 to A13	O	External memory address signal output for D/A converter IC (SRAM)
67	GP10	O	Not used (Open)
68	GP9	O	GP9 signal output for SYSTEM CONTROL IC
69	GP8	I	Audio signal input from DIR IC
70	VDDI	I	Power supply pin (+2.6 V)
71	VSS	—	Ground
72 to 75	D15/GP7 to D12/GP4	I/O	External memory data input/output for D/A converter IC (general port)
76	VDDE	I	Power supply pin (+3.3 V)
77 to 80	D11/GP3 to D8/GP0	I/O	External memory data input/output for D/A converter IC (general port)
81	VSS	—	Ground
82	A9	O	External memory address signal output for D/A converter IC (SRAM)
83 to 85	A12 to A10	O	External memory address signal output for D/A converter IC (SRAM)
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 (SRAM)
98, 99	D7, D6	I/O	External memory data input/output for D/A converter IC (SRAM)
100	VDDI	I	Power supply pin (+2.6 V)
101	VSS	—	Ground
102 to 105	D5 to D2	I/O	External memory data input/output for D/A converter IC (SRAM)
106	VDDE	I	Power supply pin (+3.3 V)
107, 108	D1, D0	I/O	External memory data input/output for D/A converter IC (SRAM)
109, 110	A2, A1	O	External memory address signal output for D/A converter IC (SRAM)
111	VSS	—	Ground
112	A0	O	External memory address signal output for D/A converter IC (SRAM)
113	PM	I	PLL initialization signal input from SYSTEM CONTROL IC
114, 115	SDI3, SDI4	I	Not used (Open)
116	SYNC	I	Sync/async select signal input (L: sync, H: async) (Fixed at H)
117	TST2	I	Not used (Connect to ground)
118	GP11	I	Not used (Connect to ground)
119	TST3	I	Not used (Connect to ground)
120	VDDI	I	Power supply pin (+2.6 V)

• IC1101 MB90478PF-G-183-BND (SYSTEM CONTROL) (DIGITAL Board (3/3))

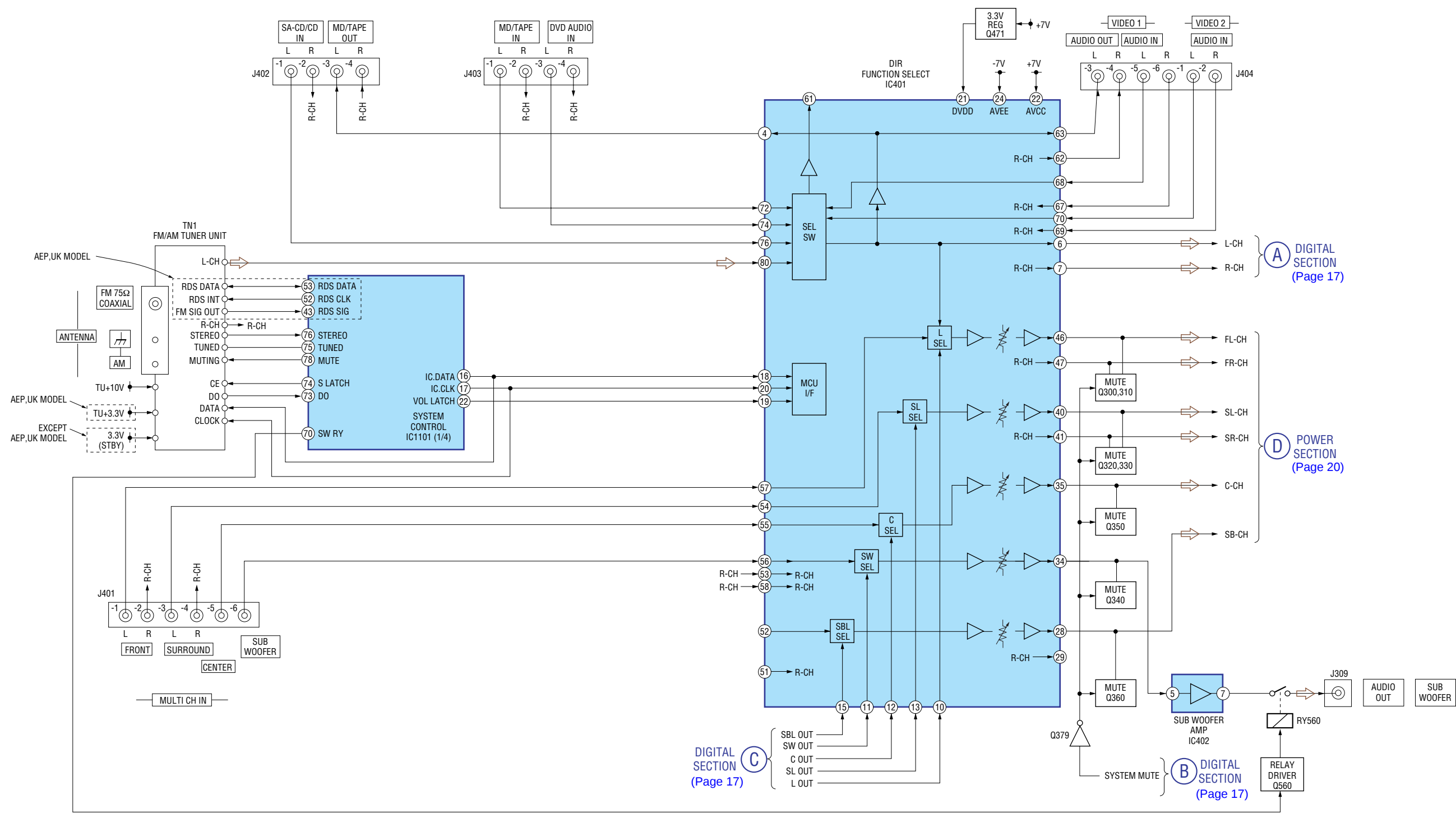
Pin No.	Pin Name	I/O	Pin Description
1	DATAO	I	Serial data line signal input from DIR IC
2	GP9	I	GP9 signal input from DSP IC
3	BST	O	Boot stop control signal output for DSP IC
4	HCS	O	Chip select signal output for DSP IC
5	HACN	I	Acknowledge signal input from DSP IC
6	XRST	O	Reset signal output for DSP IC
7	PM	O	PLL control signal output for DSP IC
8	GP12	O	GP12 signal output for DSP IC
9	AK5380_PDN	O	Power down signal output for ADC IC
10	AK4355_CSN	O	Chip select signal output for 6CH DAC IC
11	VSS	—	Ground
12	AK4355_PDN	O	Power down signal output for 6CH DAC IC
13	AK4381_PDN	O	Power down signal output for 2CH DAC IC
14	AK4381_CSN	O	Chip select signal output for 2CH DAC IC
15	AK4355_CLK	O	Clock signal output for 2CH/6CH DAC IC
16	IC_CLK (VOL_TUNER_TC9273)	O	Clock signal output for FUNCTION SELECT IC and tuner pack
17	IC_DATA (VOL_TUNER_TC9273)	O	Serial data signal output for FUNCTION SELECT IC and 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	AK4355_CDT1	O	CDT1 signal output for 2CH/6CH DAC IC
22	VOL_LATCH	O	Latch signal output for FUNCTION SELECT IC
23	VCC5	—	Power supply pin (+3.3 V)
24	SYS_MUTE	O	System mute control signal output
25	ANA/DIG	O	Muting and error port signal output
26	FL_CLEAR	O	Not used (Open)
27	FLASH2	—	Flash programming signal output 2
28	FLASH1	—	Flash programming signal output 1
29, 30	ENC_A, ENC_B	—	Not used (Fixed at L)
31, 32	F_A, F_B	—	Not used (Fixed at L)
33	SCL	O	Clock signal output for EEPROM IC
34	SDA	I/O	Serial data input/output for EEPROM IC
35	AVCC	—	Power supply pin (+3.3 V)
36	AVRH	—	Power supply pin (+3.3 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: US, Canadian model, H: Except for US, Canadian model)
42	VSS	—	Ground
43	RDS_SIG	I	RDS signal level input (AEP, UK model only)
44	MODEL	I	Model detection signal input
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	RDS data clock signal input (AEP, UK model only)
53	RDS_DATA	I	RDS data input (AEP, UK model only)

Pin No.	Pin Name	I/O	Pin Description
54	SIRCS	I	SIRCS signal input
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	A1_OUT	O	Not used (Fixed at L)
65	A1_IN	I	Not used (Fixed at L)
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_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	NC	—	Not used (Fixed at L)
72	BRIDGEABLE_RY	O	Bridgeable relay driver control signal output
73	D0	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 (16 MHz)
83	X1	—	Clock signal output (16 MHz)
84	VCC3	—	Power supply pin (+3.3 V)
85	GROUPING_SW	—	Not used (Open)
86 to 89	SW1 to SW4	O	Video select signal output
90	SELECT2	O	Digital input select 2 signal output
91	SELECT1	O	Digital input select 1 signal output
92	BST_SEL	O	96/24 signal output for DSP IC
93	XMODE	O	Xmode signal output for DIR IC
94	CKSEL1	O	Clock select signal output for DIR IC
95	CLK	O	Data clock signal output for DIR IC
96	CE	O	Latch signal output for DIR IC
97	DI	O	Data output for DIR IC
98	DO	I	Data input from DIR IC
99	ERROR	I	Error detection signal input from DIR IC
100	XSTATE	I	Xstate signal input from DIR IC

4-2. CIRCUIT BOARDS LOCATION

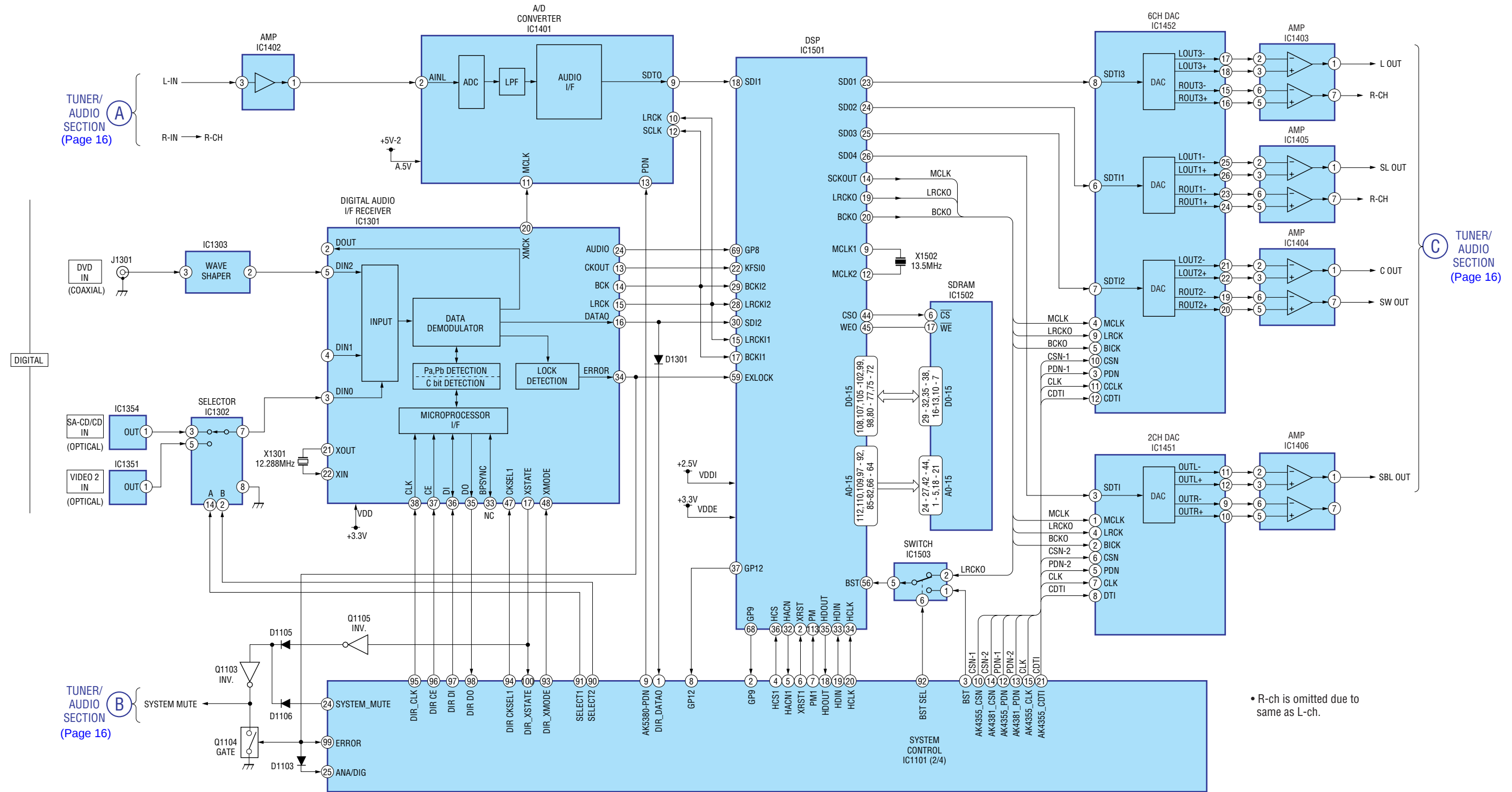


4-3. BLOCK DIAGRAM — TUNER/AUDIO SECTION —

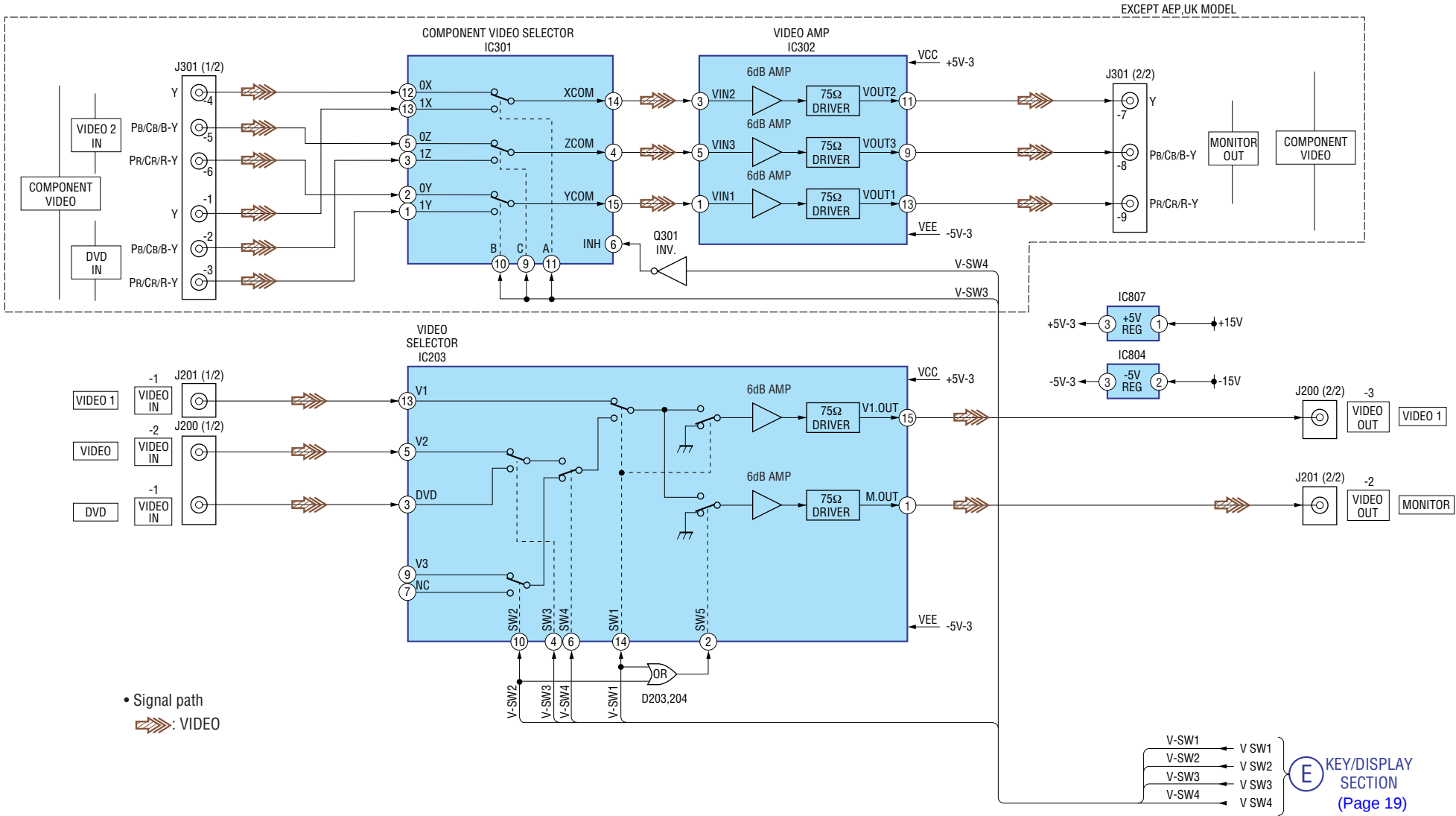


• Signal path
➡ : TUNER (FM/AM)
➡ : VIDEO (AUDIO)
• R-ch is omitted due to same as L-ch.

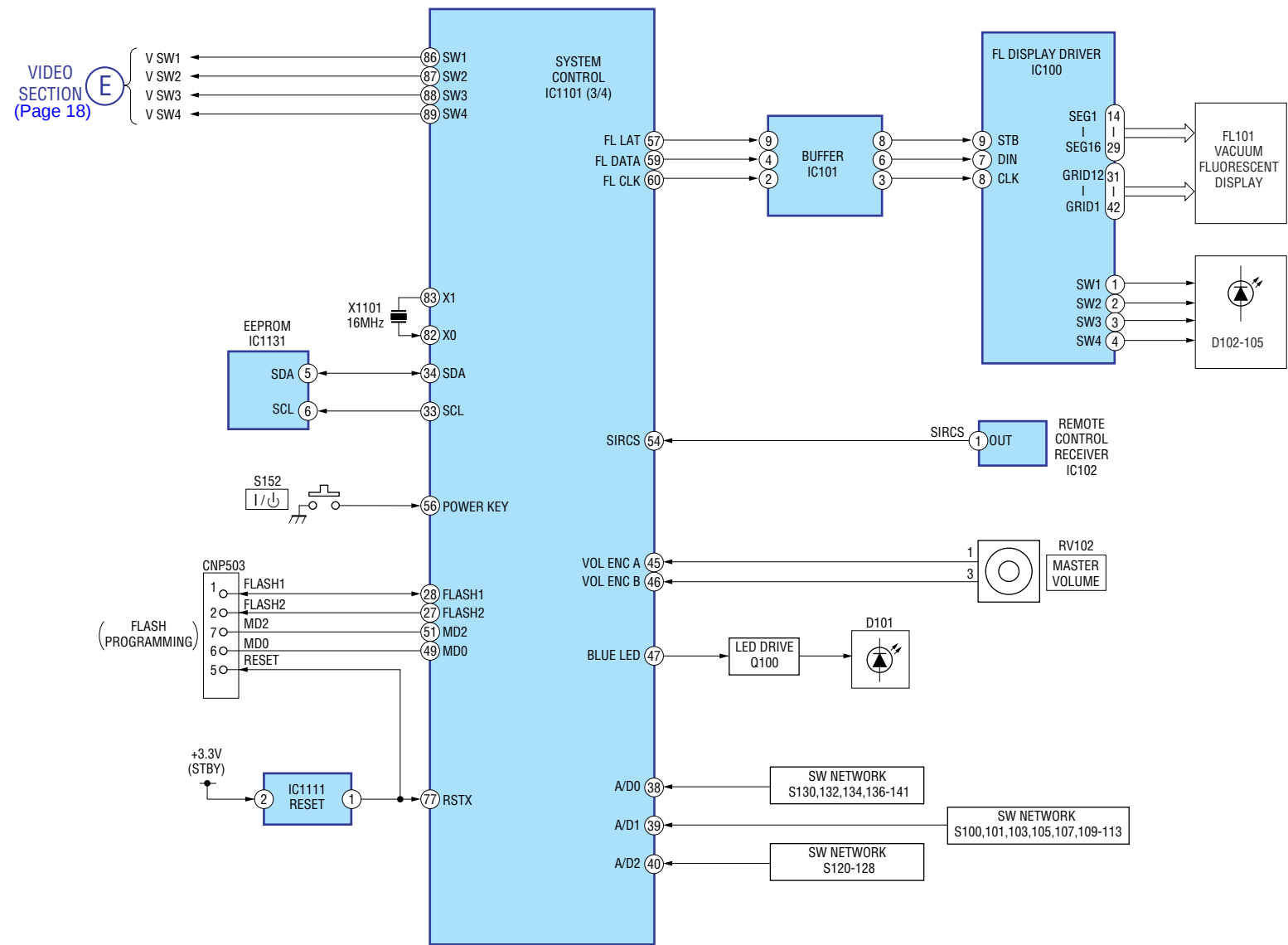
4-4. BLOCK DIAGRAM — DIGITAL SECTION —



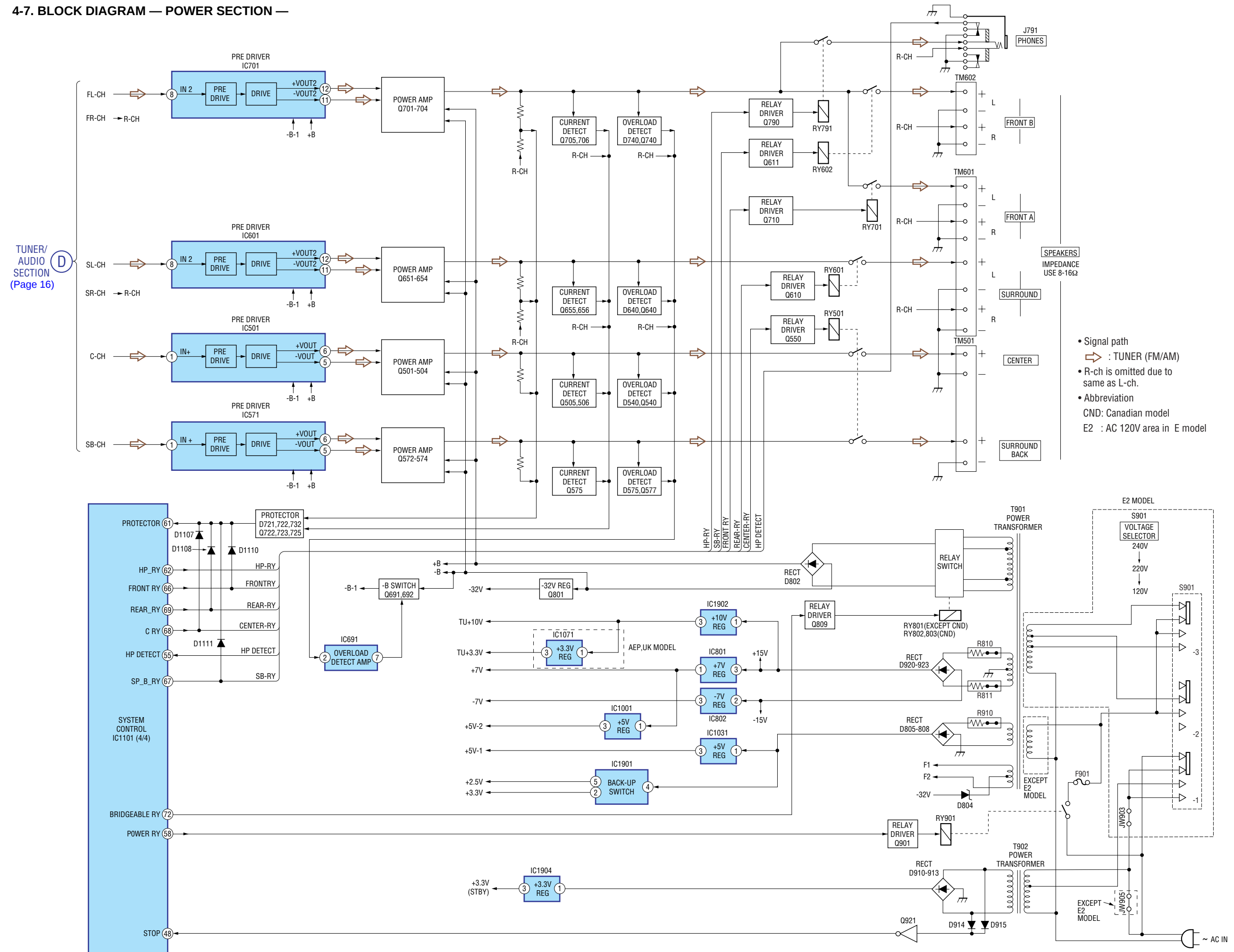
4-5. BLOCK DIAGRAM — VIDEO SECTION —



4-6. BLOCK DIAGRAM — KEY/DISPLAY SECTION —



4-7. 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. pF : $\mu\mu\text{F}$
50 WV or less are not indicated except for electrolytics
and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise
specified.
- Δ : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

Note:

The components identi-
fied by mark Δ or dotted
line with mark Δ are criti-
cal for safety.
Replace only with part
number specified.

Note:

Les composants identifiés par
une marque Δ sont critiques
pour la sécurité.
Ne les remplacer que par une
pièce 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 M Ω).
Voltage variations may be noted due to normal produc-
tion tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal produc-
tion tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 -  : TUNER (FM/AM)
 -  : VIDEO (AUDIO)
 -  : VIDEO
 -  : CD (ANALOG)
 -  : CD (DIGITAL)
- Abbreviation
 - CND : Canadian model.
 - E2 : AC 120 V area in E model.
 - AUS : Australian model.
 - SP : Singapore model.
 - MY : Malaysia model.
 - AR : Argentina model.
 - KR : Korea model.

for printed wiring boards:

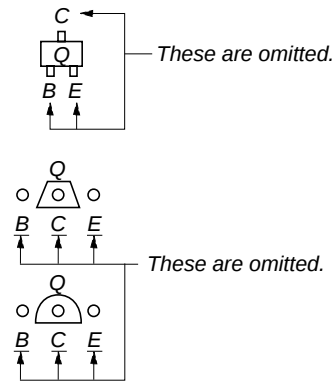
-  : parts extracted from the component side.
- Δ : internal component.
-  : Pattern from the side which enables seeing.

Caution:

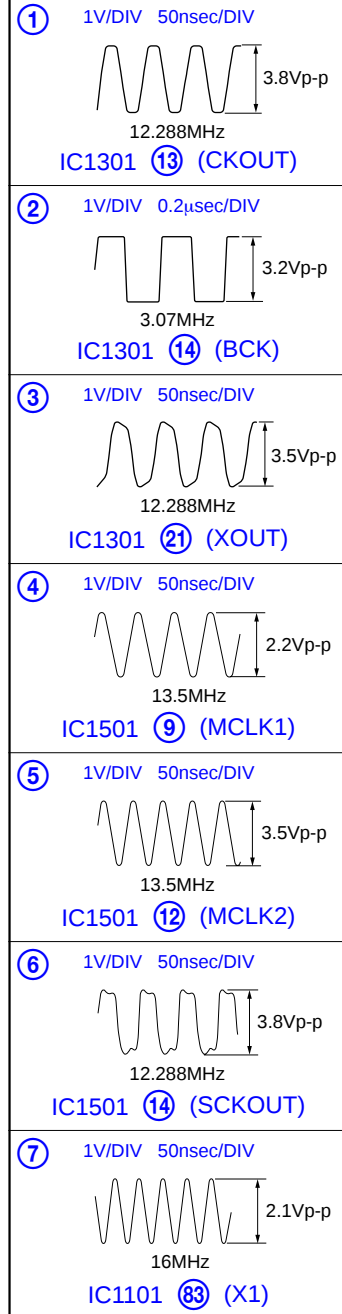
Pattern face side: Parts on the pattern face side seen from the
(Side B) pattern face are indicated.
Parts face side: Parts on the parts face side seen from the
(Side A) parts face are indicated.

• Abbreviation

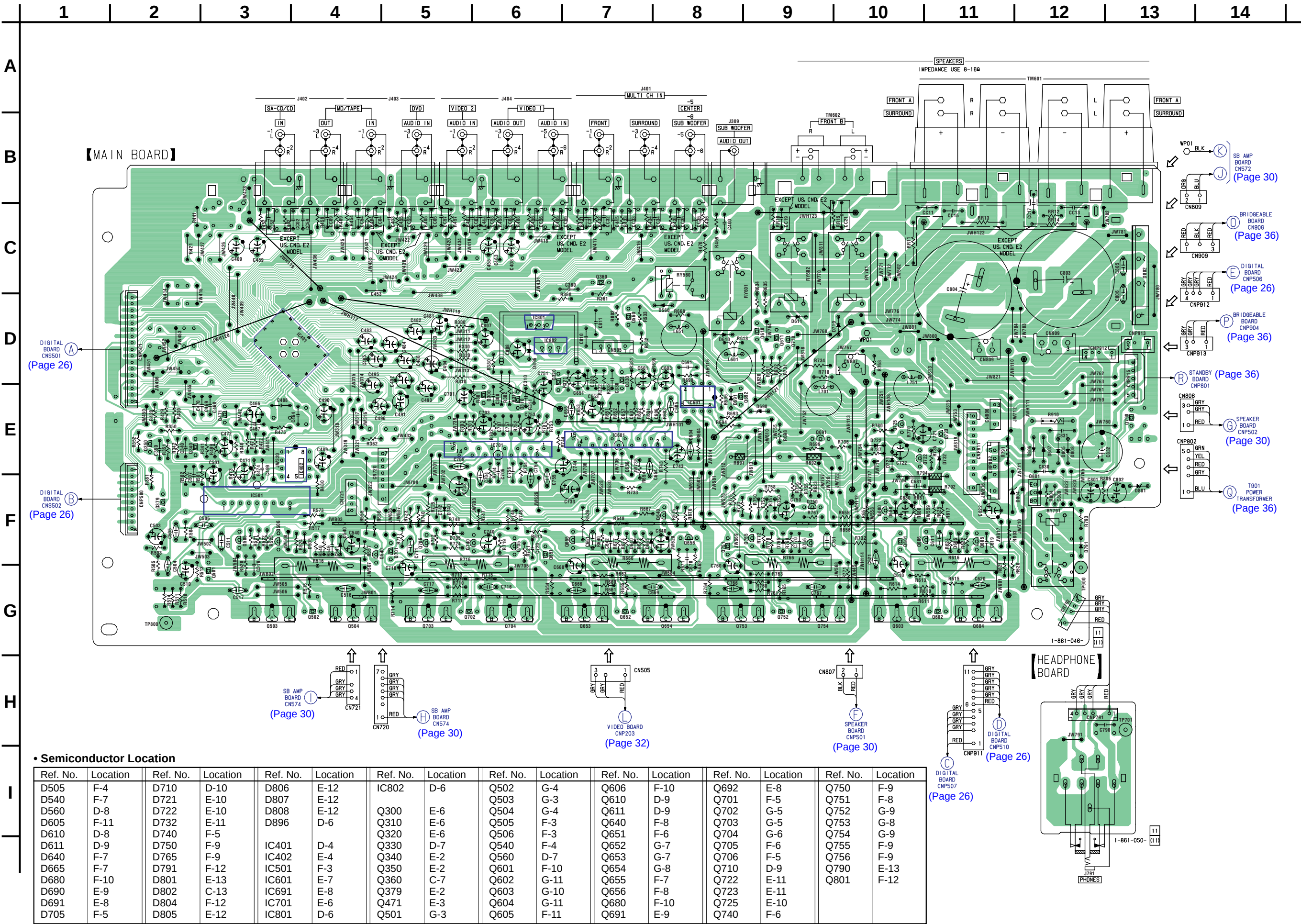
CND : Canadian model.
E2 : AC 120 V area in E model.
AUS : Australian model.
SP : Singapore model.
MY : Malaysia model.
AR : Argentina model.
KR : Korea model.



• Waveforms (DIGITAL Board)



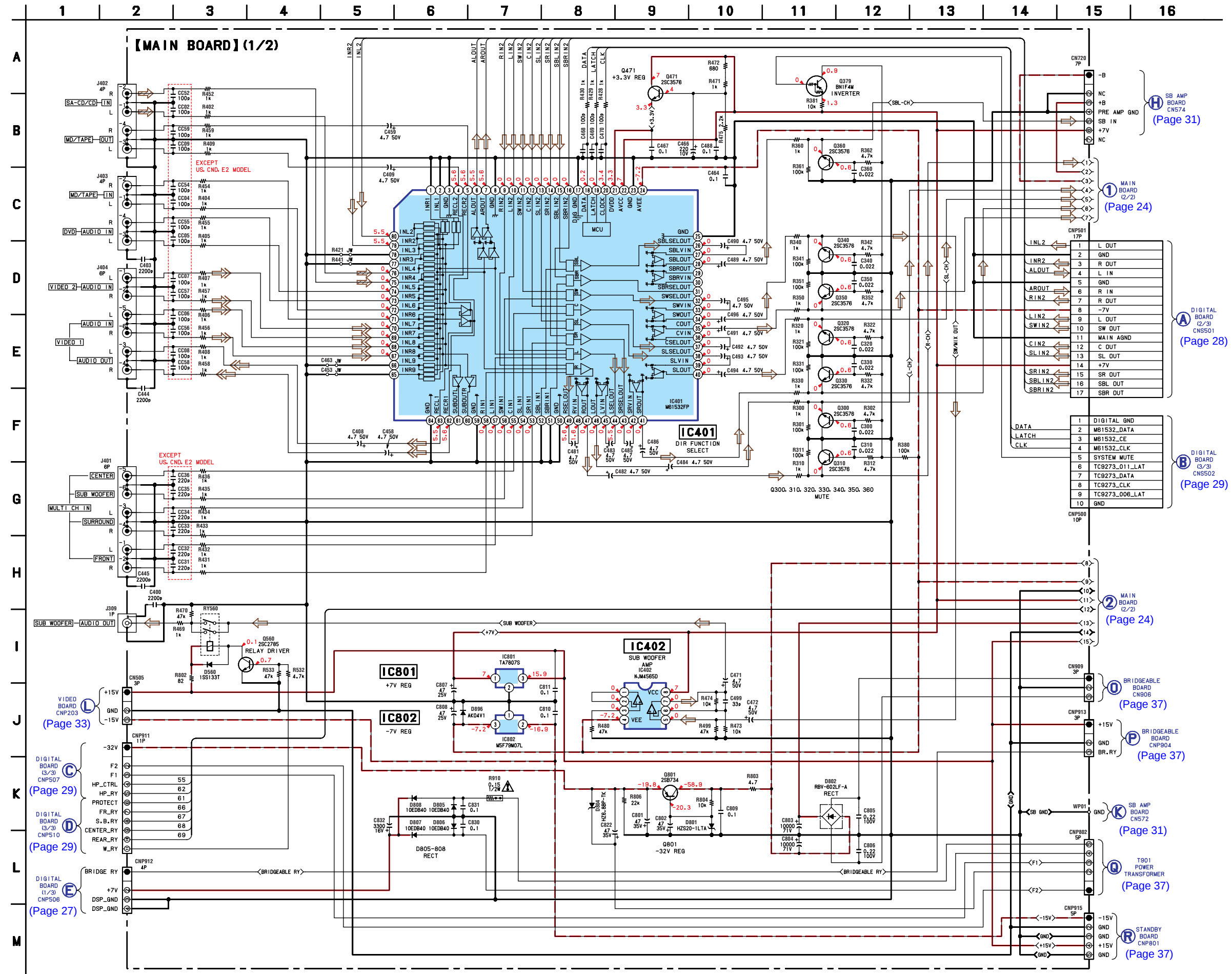
4-8. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 15 for Circuit Boards Location and page 21 for Common Note on Printed Wiring Boards.



22

22

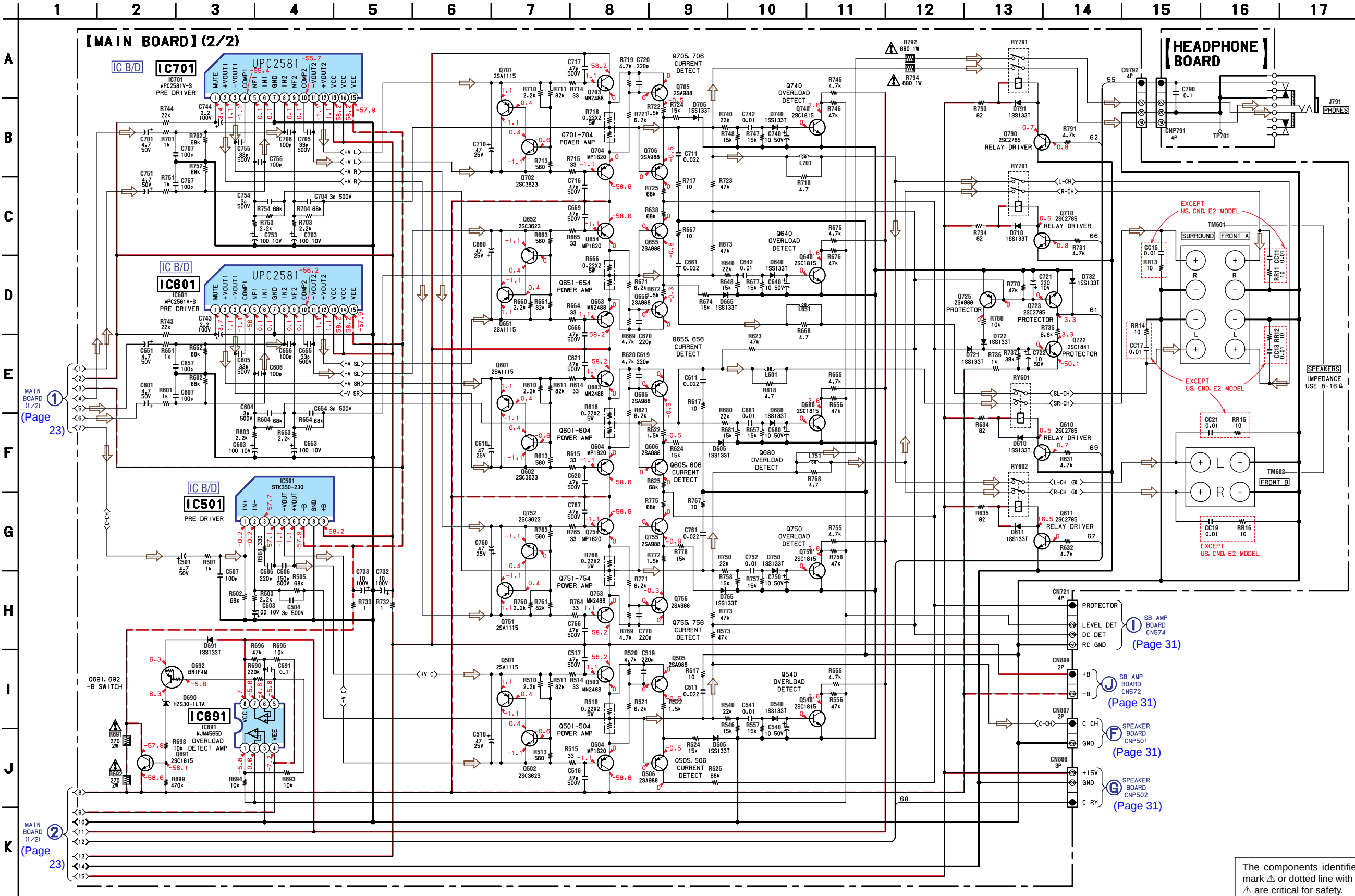
4-9. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 21 for Common Note on Schematic Diagram.



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 pièce portant le numéro spécifié.

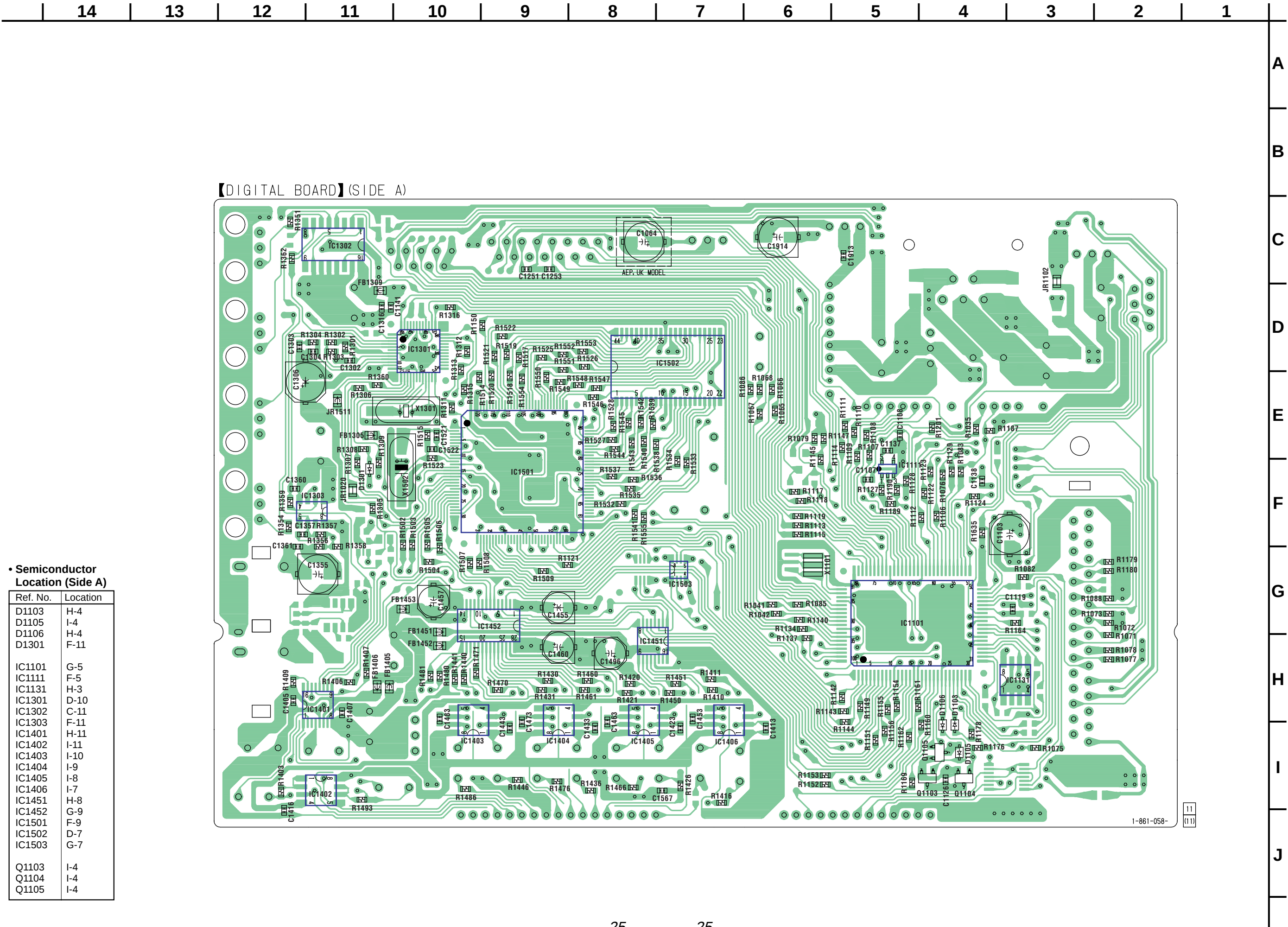
4-10. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 21 for Common Note on Schematic Diagram and page 38 for IC Block Diagrams.



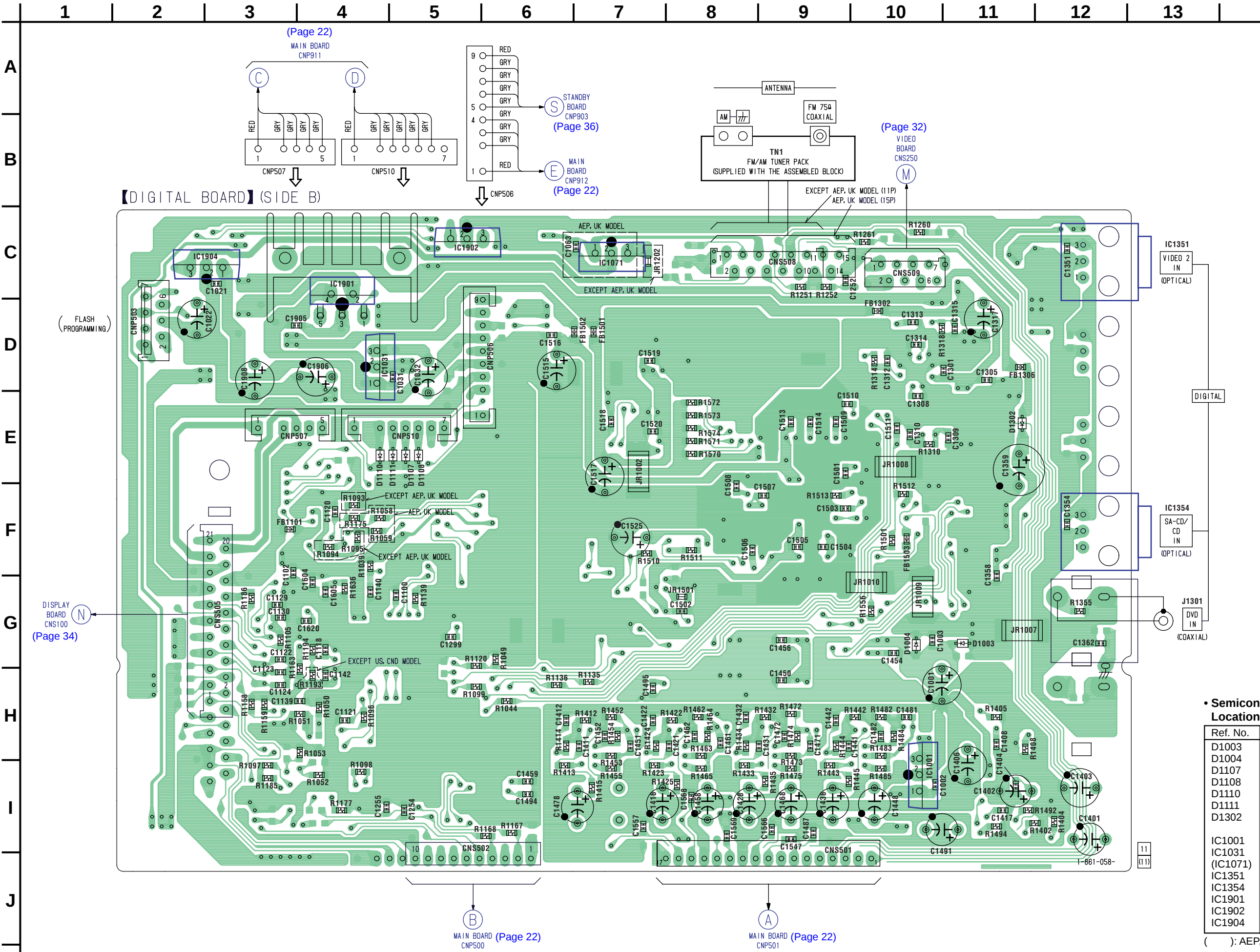
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

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

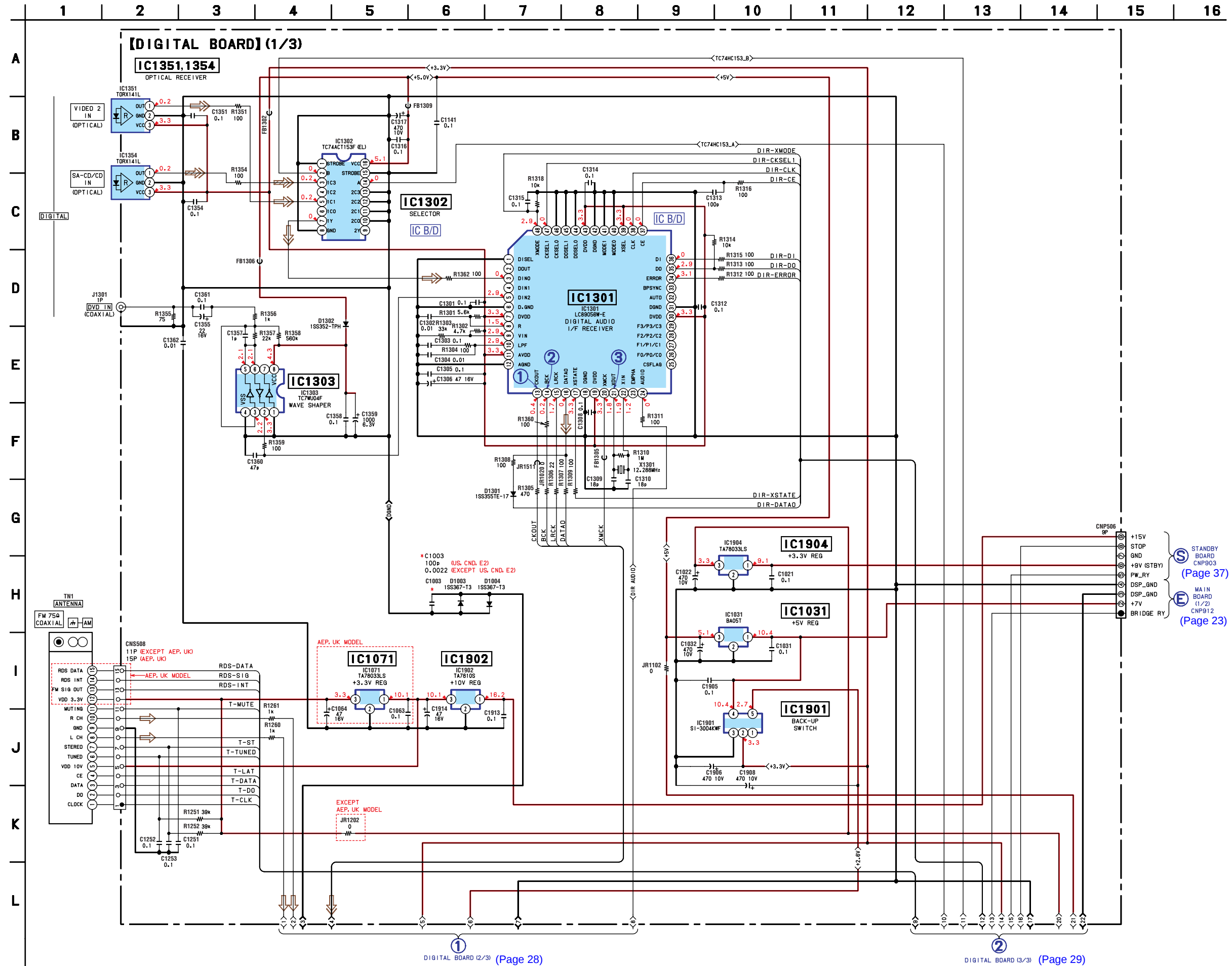
4-11. PRINTED WIRING BOARD — DIGITAL SECTION (1/2) — • Refer to page 15 for Circuit Boards Location and page 21 for Common Note on Printed Wiring Boards.



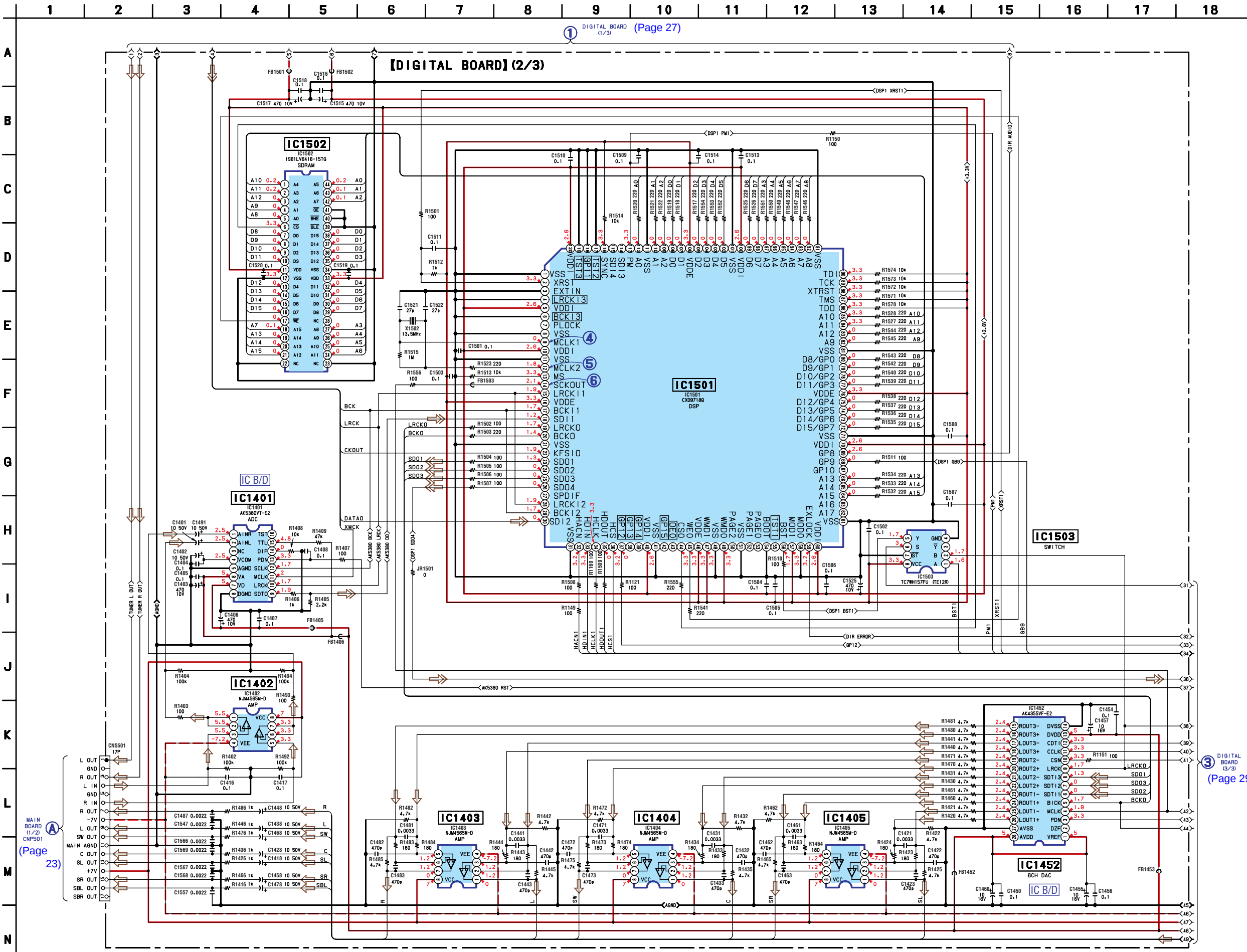
4-12. PRINTED WIRING BOARD — DIGITAL SECTION (2/2) — • Refer to page 15 for Circuit Boards Location and page 21 for Common Note on Printed Wiring Boards.



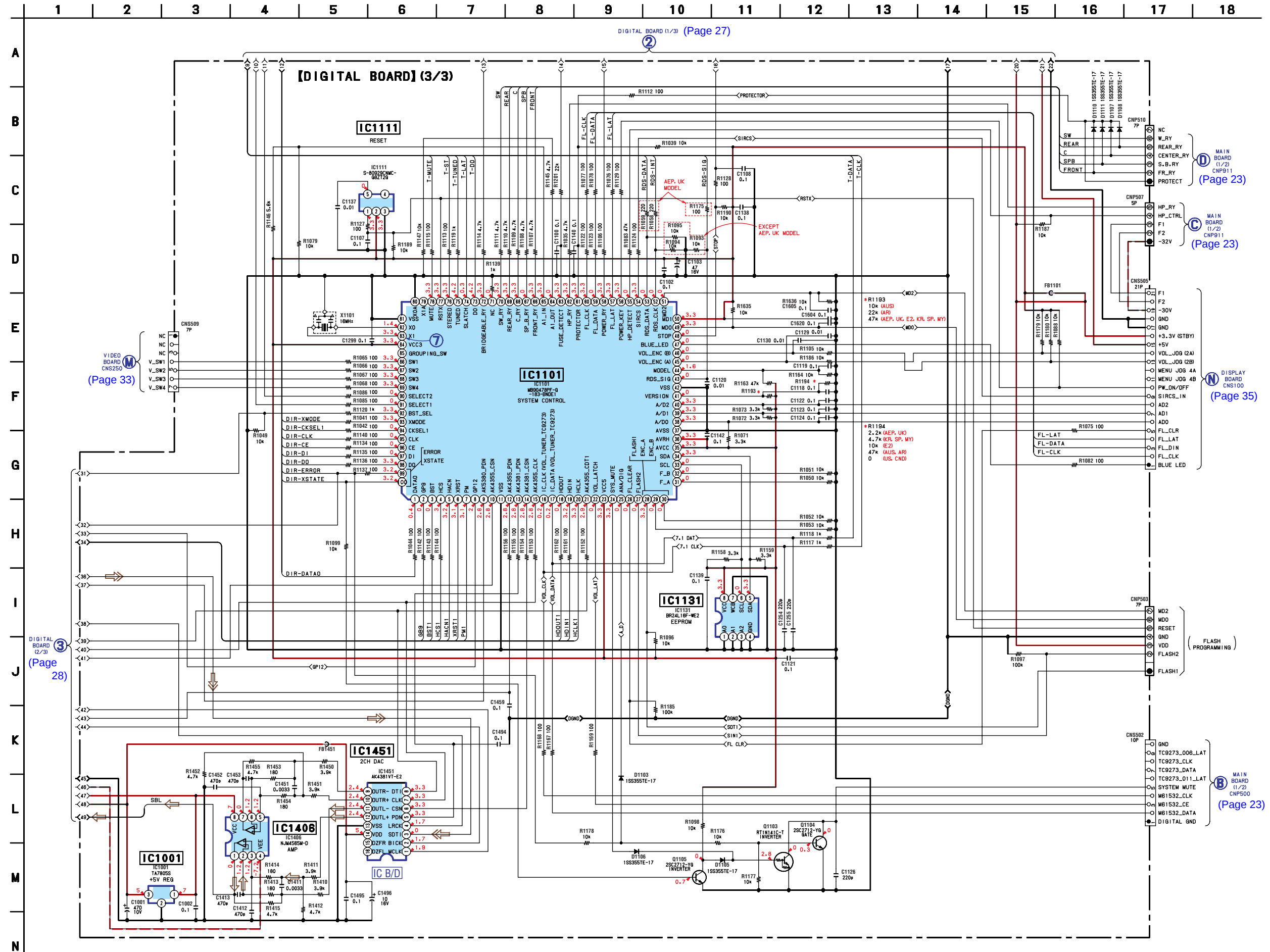
4-13. SCHEMATIC DIAGRAM — DIGITAL SECTION (1/3) — • Refer to page 21 for Common Note on Schematic Diagram and Waveforms and page 38 for IC Block Diagrams.



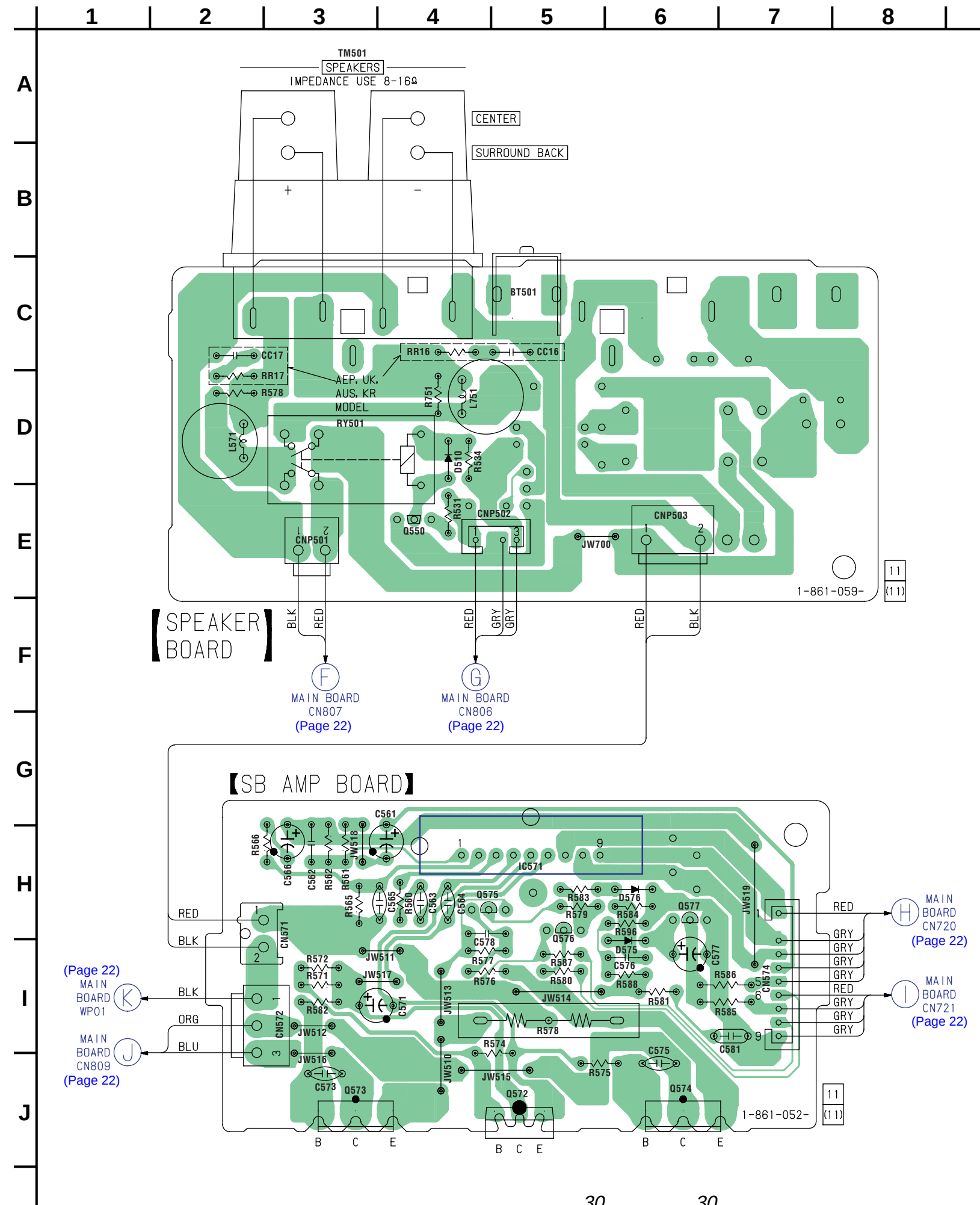
4-14. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/3) — • Refer to page 21 for Common Note on Schematic Diagram and Waveforms and page 38 for IC Block Diagrams.



4-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/3) — • Refer to page 21 for Common Note on Schematic Diagram and Waveforms and page 38 for IC Block Diagrams.



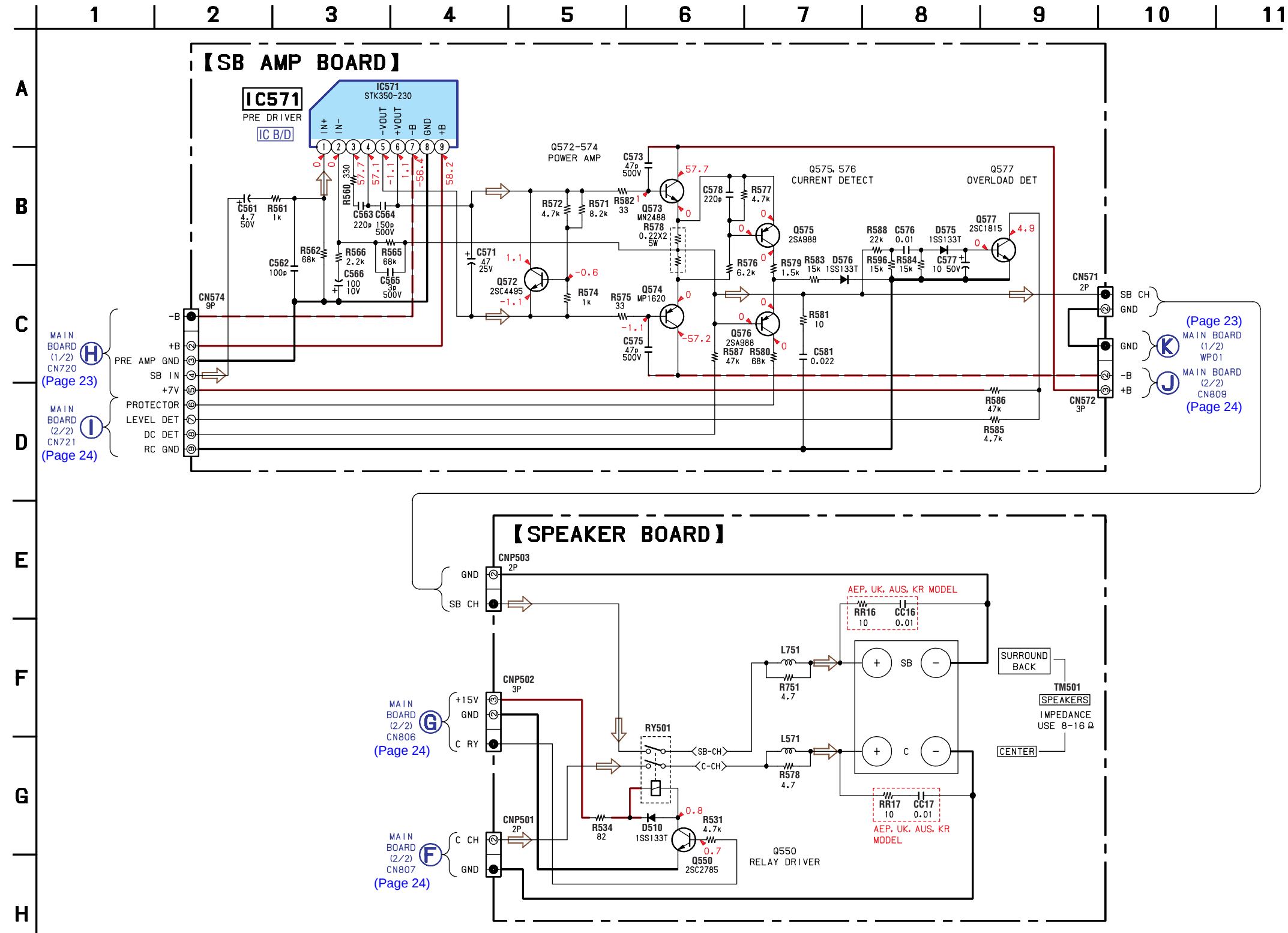
4-16. PRINTED WIRING BOARDS — CENTER/SURROUND BACK SPEAKER SECTION — • Refer to page 15 for Circuit Boards Location and page 21 for Common Note on Printed Wiring Boards.



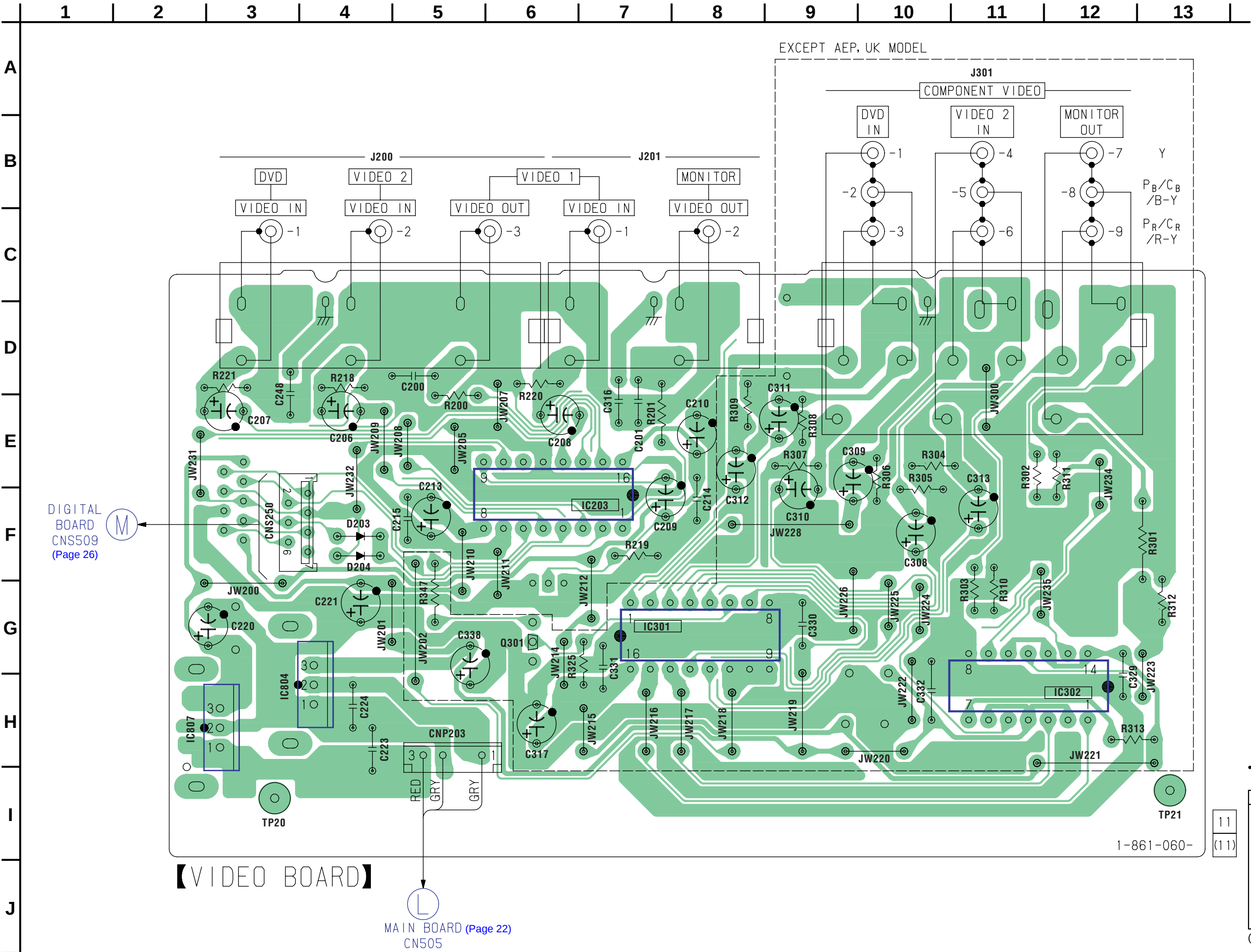
- **Semiconductor Location**

Ref. No.	Location
D510	D-4
D575	H-6
D576	H-6
IC571	H-5
Q550	E-4
Q572	J-5
Q573	J-3
Q574	J-6
Q575	H-5
Q576	H-5
Q577	H-6

4-17. SCHEMATIC DIAGRAM — CENTER/SURROUND BACK SPEAKER SECTION — • Refer to page 21 for Common Note on Schematic Diagram and page 38 for IC Block Diagrams.



4-18. PRINTED WIRING BOARD — VIDEO SECTION — • Refer to page 15 for Circuit Boards Location and page 21 for Common Note on Printed Wiring Boards.

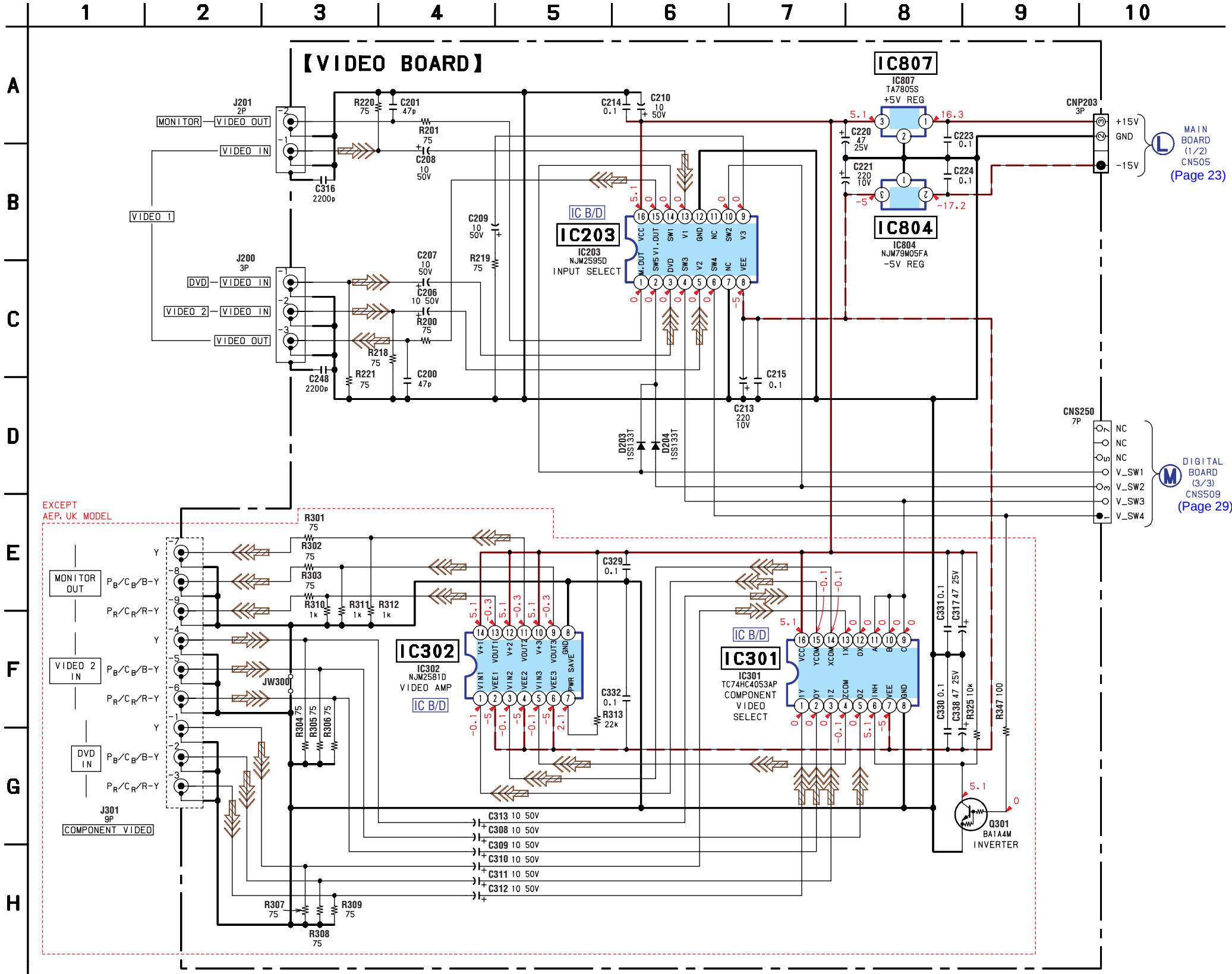


• Semiconductor Location

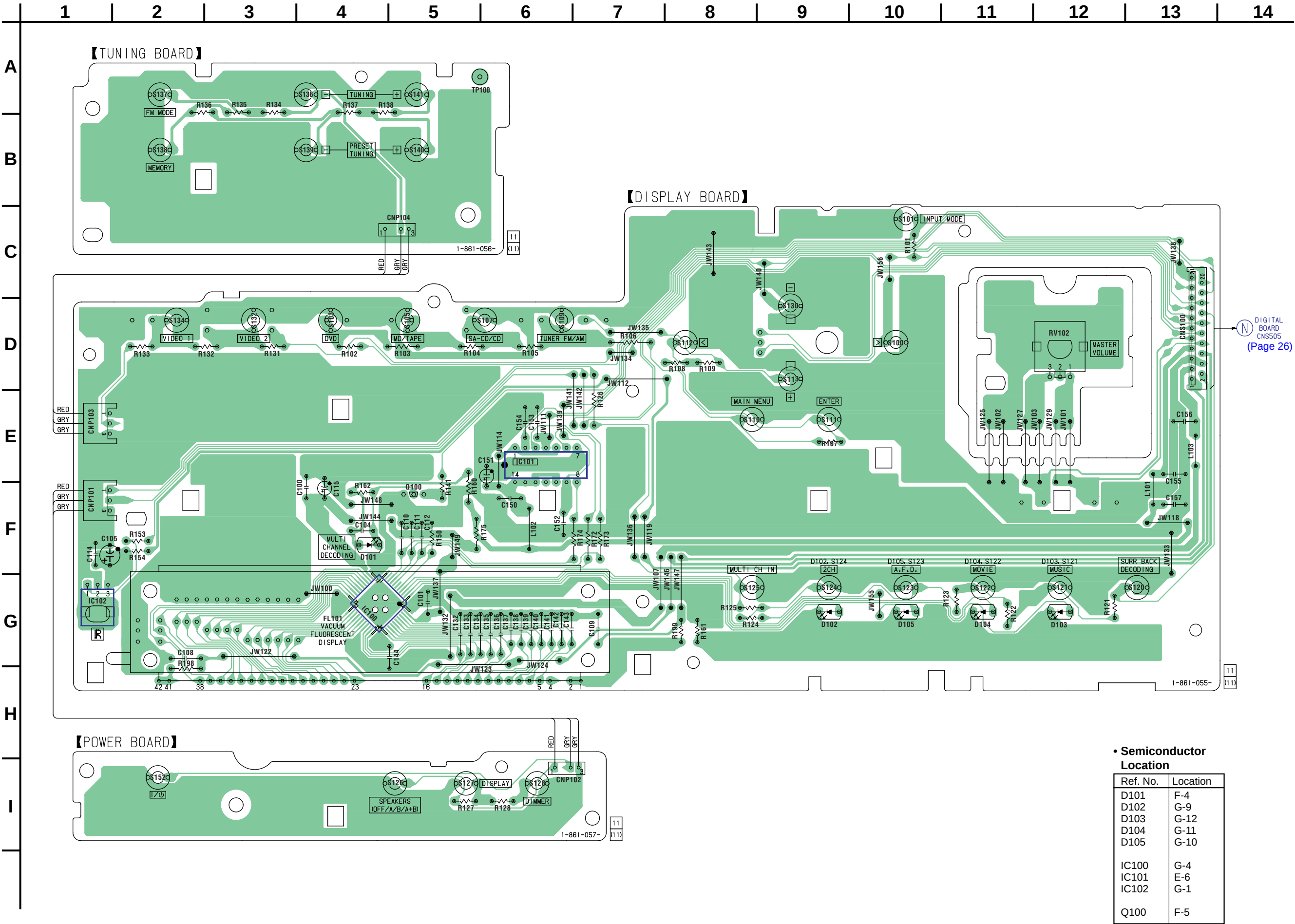
Ref. No.	Location
D203	F-4
D204	F-4
IC203	F-7
IC301)	F-7
IC302)	H-12
IC804	H-4
IC807	H-2
(Q301)	G-6

(): Except AEP, UK model

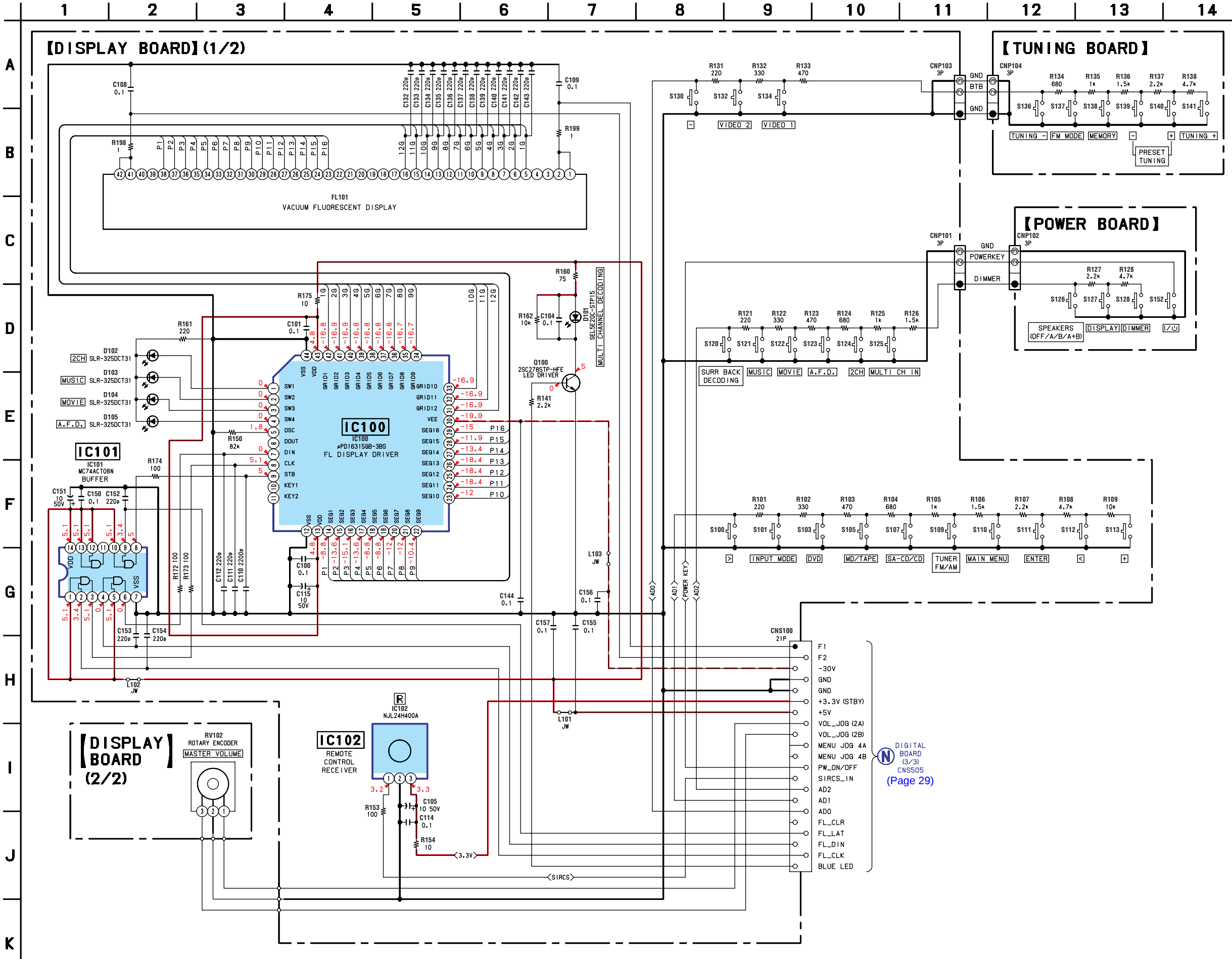
4-19. SCHEMATIC DIAGRAM — VIDEO SECTION — • Refer to page 21 for Common Note on Schematic Diagram and page 39 for IC Block Diagrams.



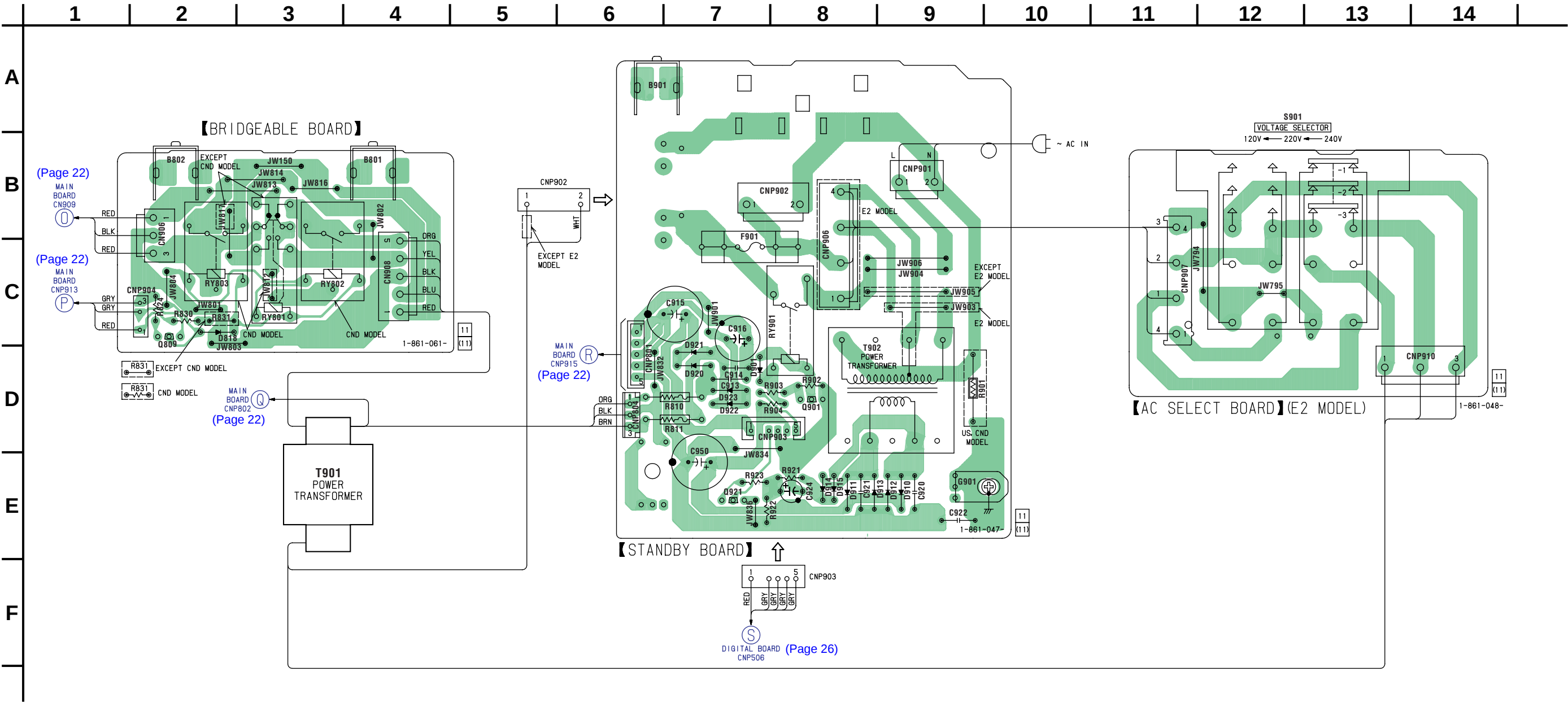
4-20. PRINTED WIRING BOARDS — DISPLAY SECTION — • Refer to page 15 for Circuit Boards Location and page 21 for Common Note on Printed Wiring Boards.



4-21. SCHEMATIC DIAGRAM — DISPLAY SECTION — • Refer to page 21 for Common Note on Schematic Diagram.



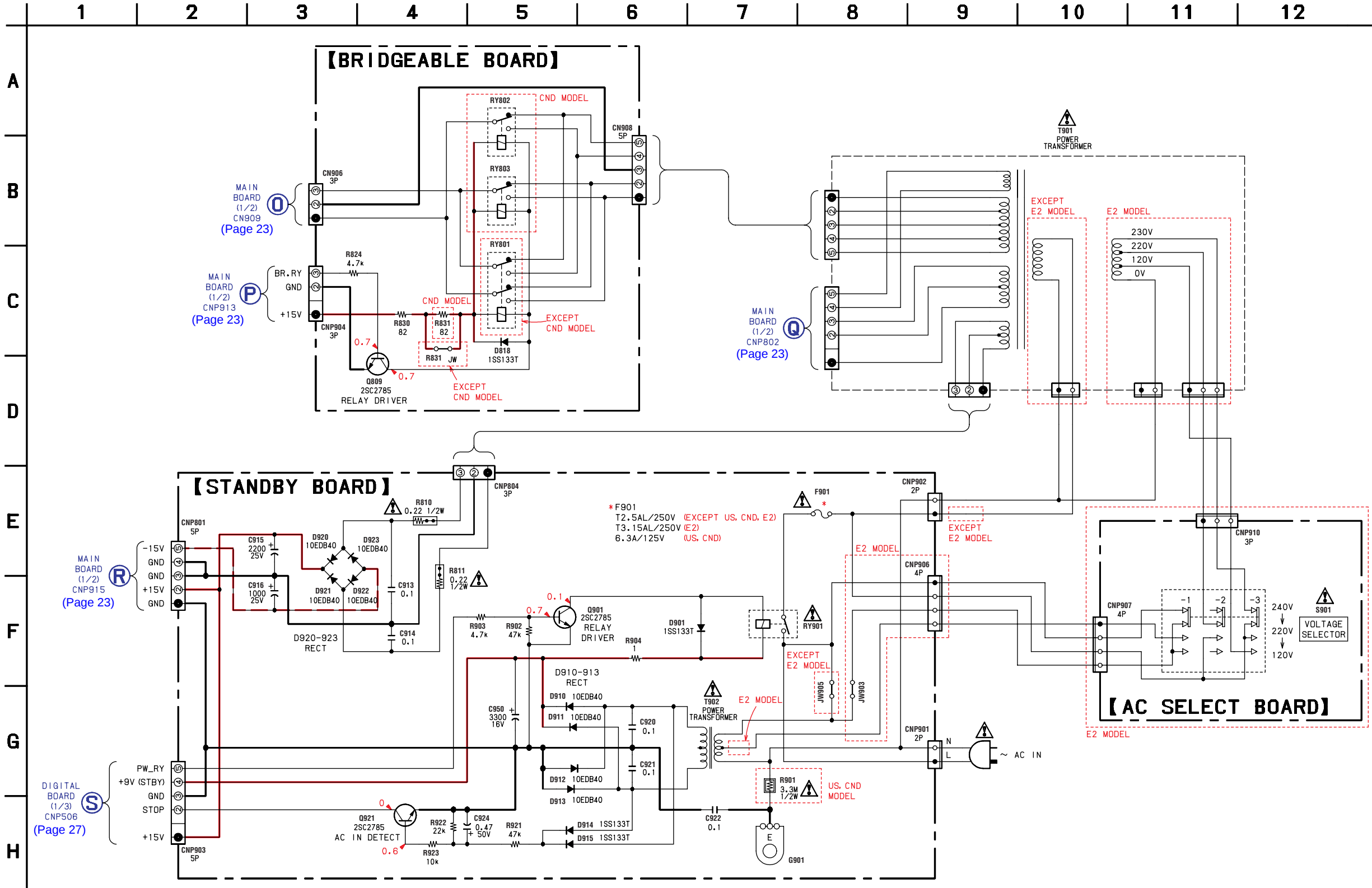
4-22. PRINTED WIRING BOARDS — POWER SECTION — • Refer to page 15 for Circuit Boards Location and page 21 for Common Note on Printed Wiring Boards.



• Semiconductor Location

Ref. No.	Location
D818	C-2
D901	D-7
D910	E-9
D911	E-8
D912	E-9
D913	E-8
D914	E-8
D915	E-8
D920	D-7
D921	C-7
D922	D-7
D923	D-7
Q809	C-2
Q901	D-8
Q921	E-7

4-23. SCHEMATIC DIAGRAM — POWER SECTION — • Refer to page 21 for Common Note on Schematic Diagram.

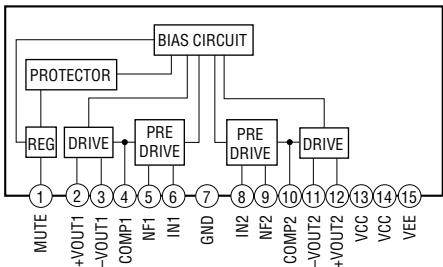


The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

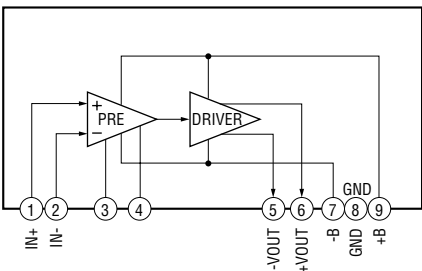
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-24. IC BLOCK DIAGRAMS

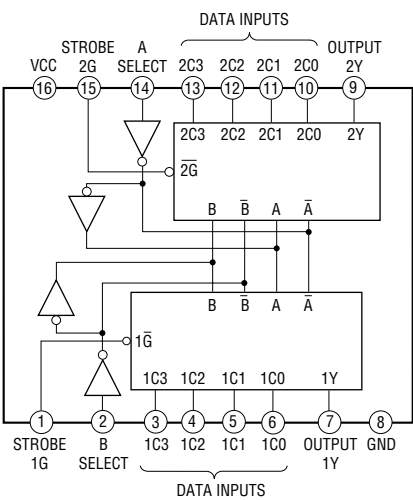
IC601 μ PC2581V-S (MAIN BOARD (2/2))
IC701 μ PC2581V-S (MAIN BOARD (2/2))



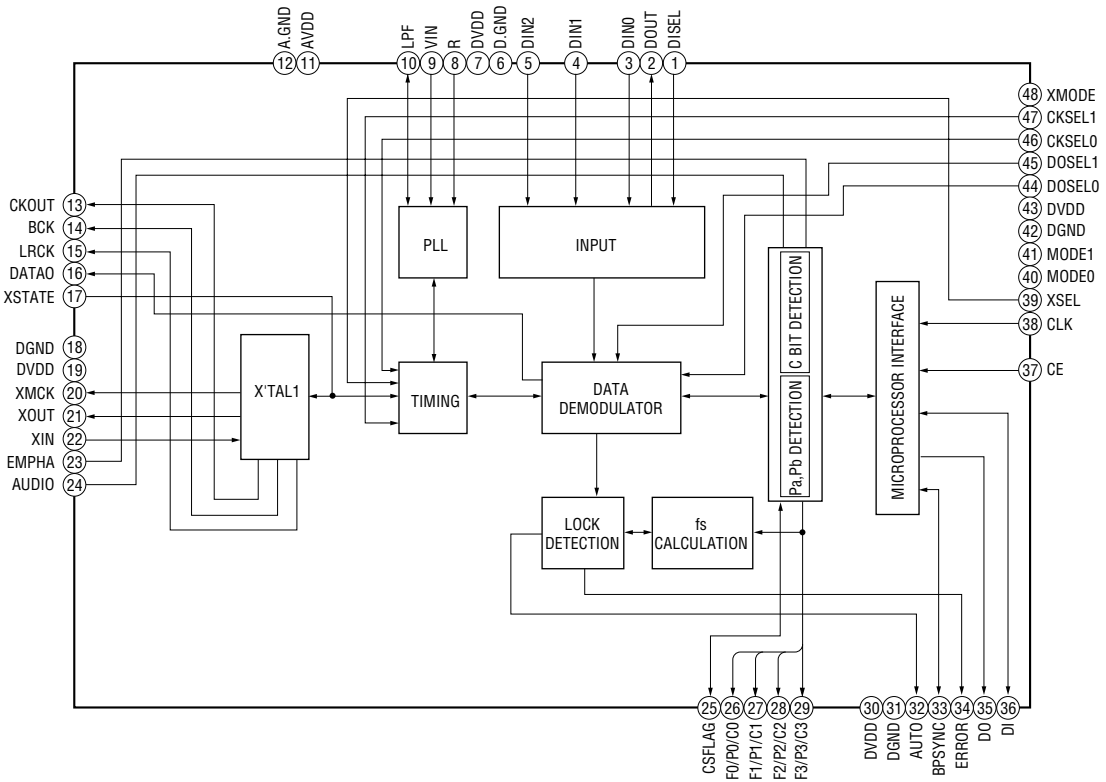
IC501 STK350-230 (MAIN BOARD (2/2))
IC571 STK350-230 (SB AMP BOARD)



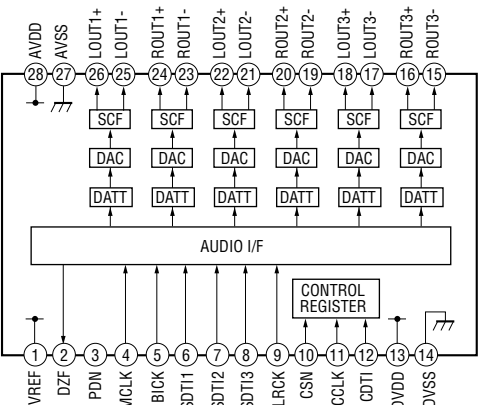
IC1302 TC74ACT153F(EL) (DIGITAL BOARD (1/3))



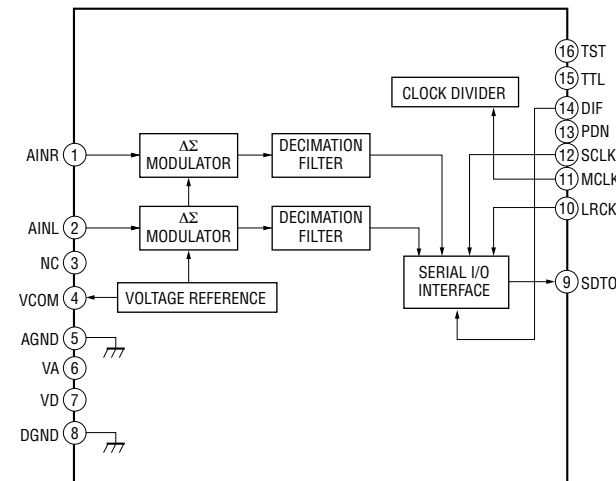
IC1301 LC89056W-E (DIGITAL BOARD (1/3))



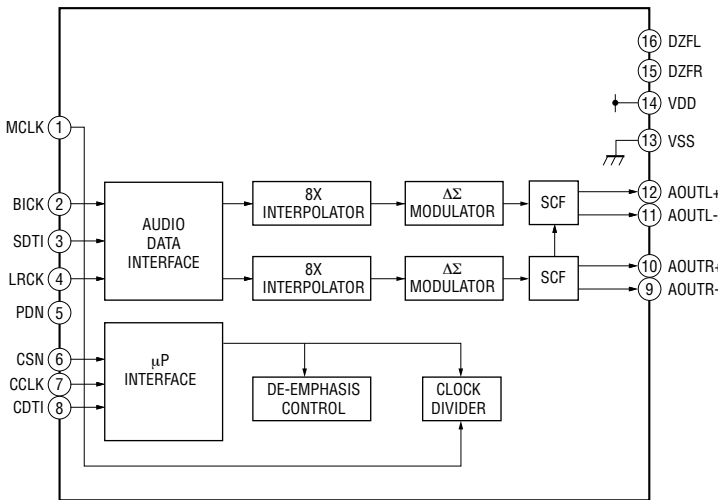
IC1452 AK4355VF-E2 (DIGITAL BOARD (2/3))



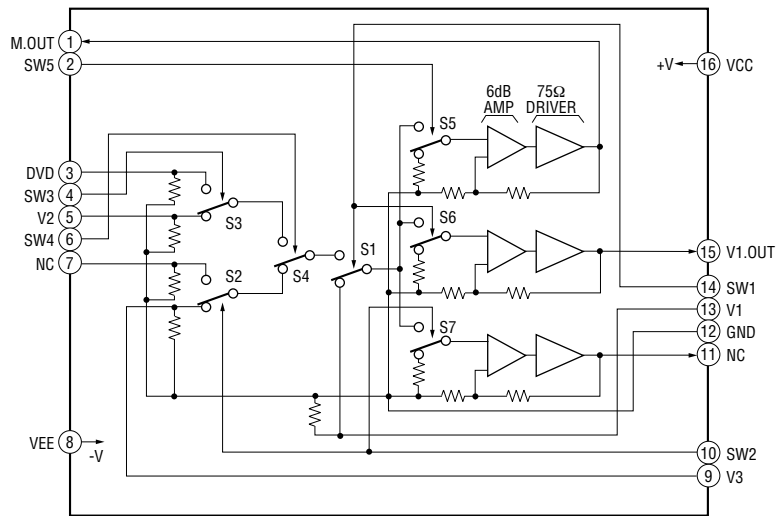
IC1401 AK5380VT-E2 (DIGITAL BOARD (2/3))



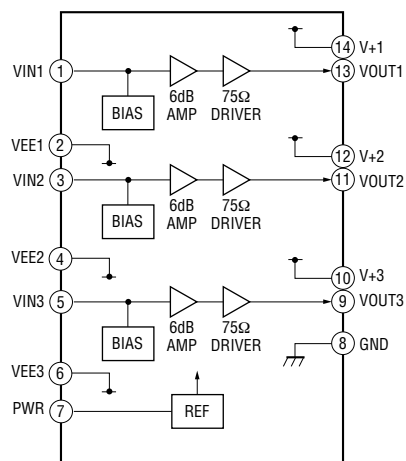
IC1451 AK4381VT-E2 (DIGITAL BOARD (3/3))



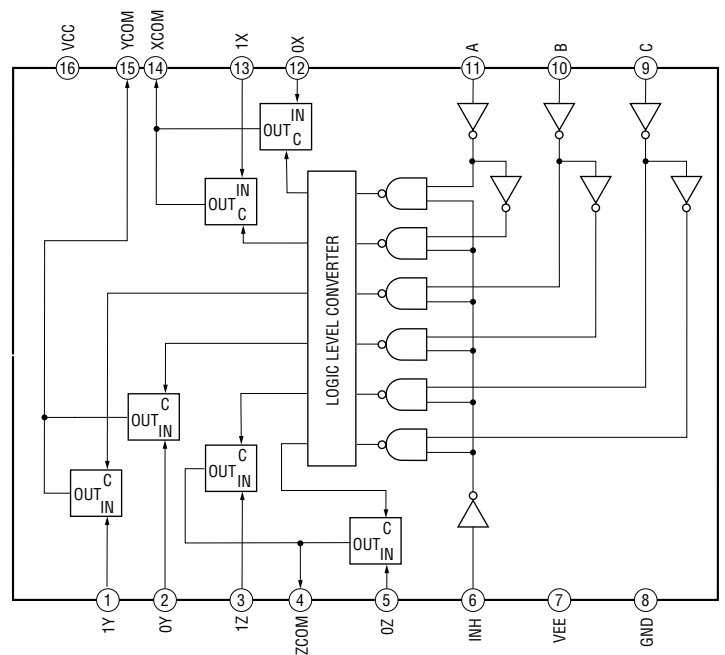
IC203 NJM2595D (VIDEO BOARD)



IC302 NJM2581D (VIDEO BOARD)



IC301 TC74HC4053AP (VIDEO BOARD)



SECTION 5
EXPLODED VIEWS

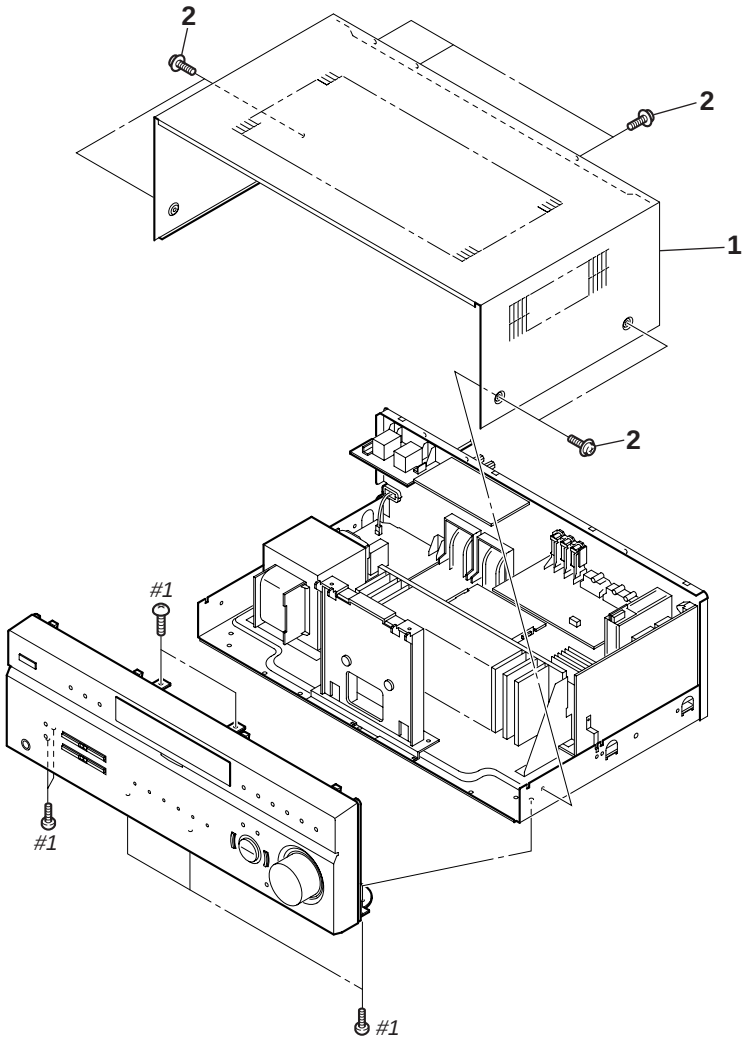
- NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
 - Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - Abbreviation
CND : Canadian model
E2 : AC 120 V area in E model
AUS : Australian model
SP : Singapore model
MY : Malaysia model
AR : Argentina model
KR : Korea model

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

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

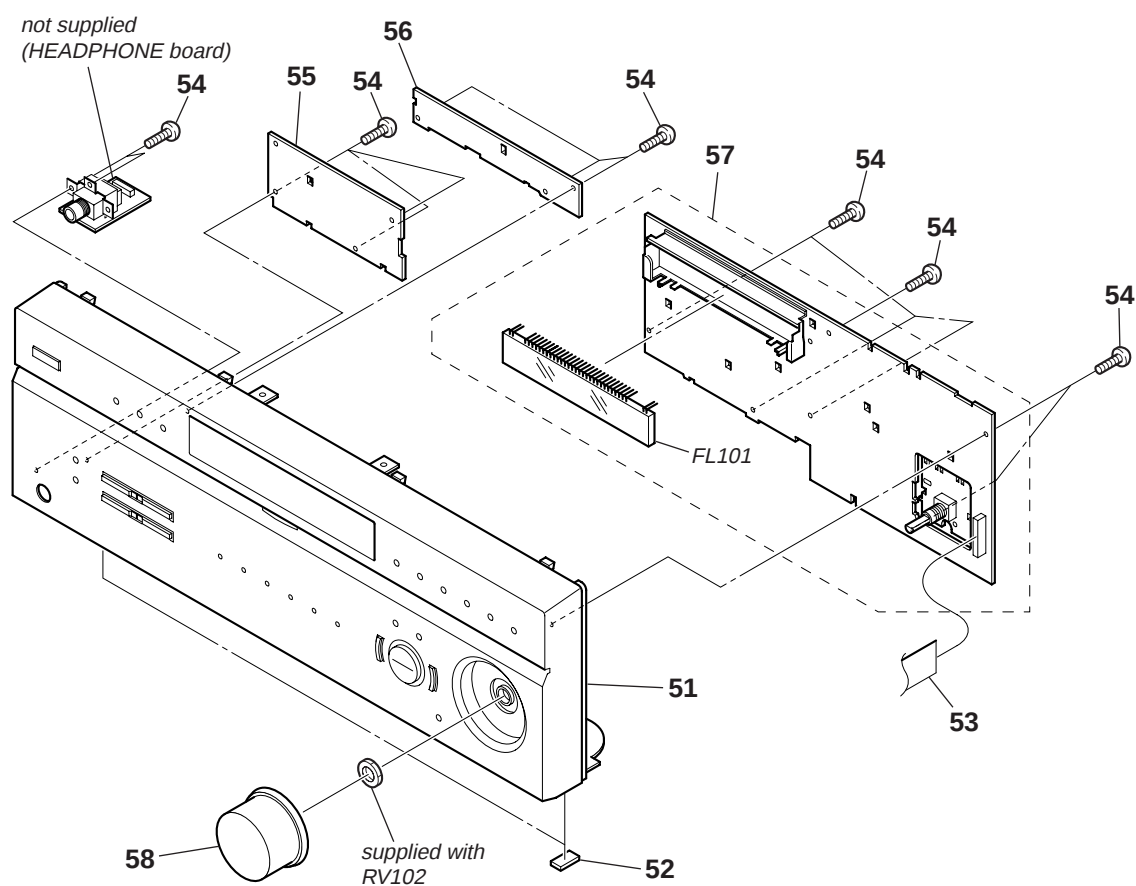
Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. CASE SECTION



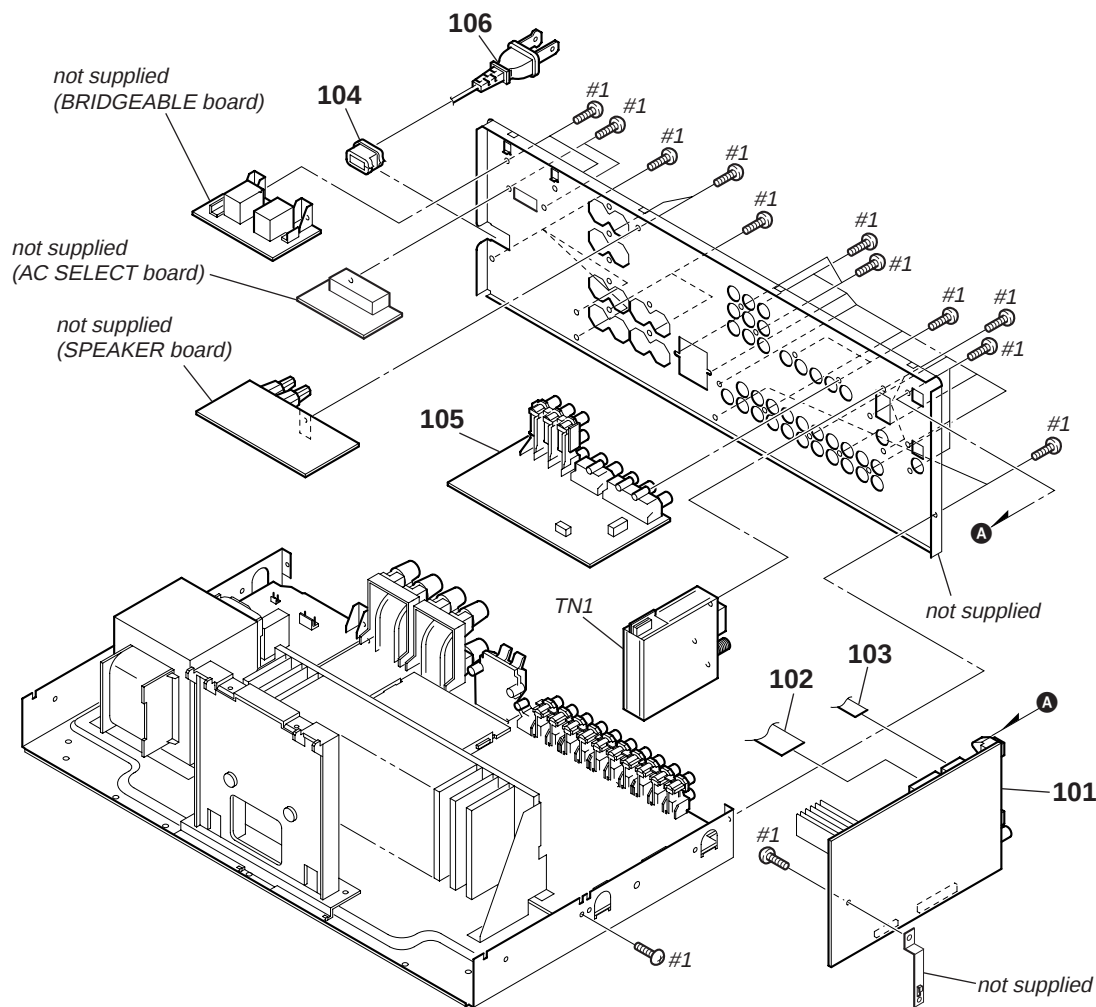
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-232-418-02	CASE (BLACK)...(BLACK)		2	4-210-291-01	SCREW (CASE 3 TP2) (BLACK)...(BLACK)	
1	4-232-418-22	CASE (SILVER)...(SILVER)		2	4-210-291-11	SCREW (CASE 3 TP2) (SILVER)...(SILVER,GOLD)	
1	4-232-418-43	CASE (GOLD)...(GOLD)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

5-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-4956-165-1	FRONT PANEL ASSY (BLACK)...(BLACK) (US)		52	4-977-358-01	CUSHION	
51	X-4956-166-1	FRONT PANEL ASSY (SILVER)...(SILVER) (US)		53	1-773-150-11	WIRE (FLAT TYPE) (21 CORE)	
51	X-4956-167-1	FRONT PANEL ASSY (BLACK)...(BLACK) (CND,AUS,SP,MY)		54	4-951-620-01	SCREW (2.6X8), +BVTP	
51	X-4956-174-1	FRONT PANEL ASSY (BLACK)...(BLACK) (AEP,UK)		55	1-861-056-11	TUNING BOARD	
51	X-4956-175-1	FRONT PANEL ASSY (SILVER)...(SILVER) (AEP,UK)		56	1-861-057-11	POWER BOARD	
51	X-4956-178-1	FRONT PANEL ASSY (GOLD)...(GOLD)		57	A-4750-654-A	DISPLAY BOARD, COMPLETE	
51	X-4956-179-1	FRONT PANEL ASSY (SILVER)...(SILVER) (E2,AUS,AR)		58	4-232-113-01	KNOB (VOL) (BLACK)...(BLACK)	
				58	4-232-113-12	KNOB (VOL) (SILVER)...(SILVER)	
				58	4-232-113-22	KNOB (VOL) (GOLD)...(GOLD)	
				FL101	1-518-966-11	VACUUM FLUORESCENT DISPLAY	

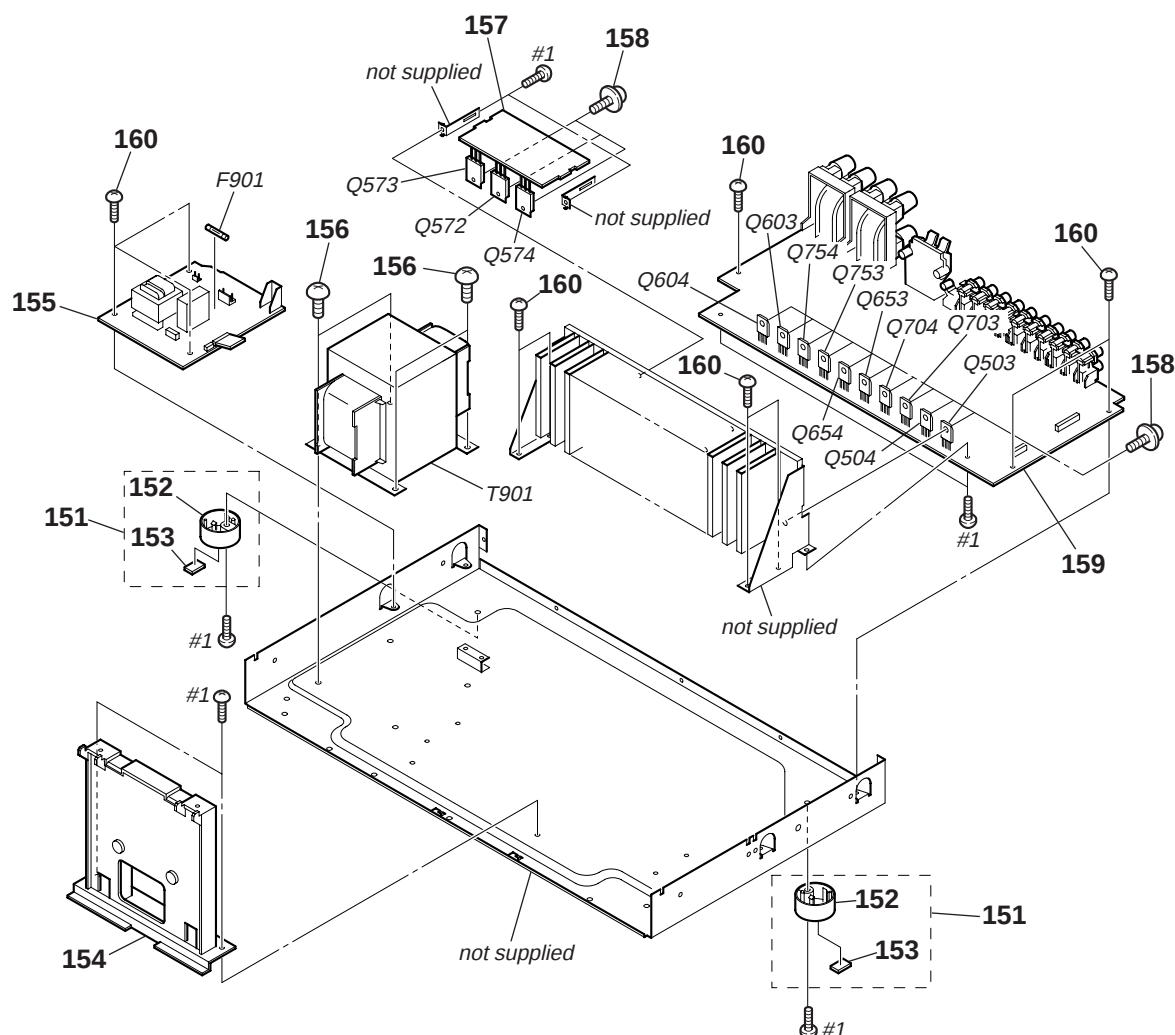
5-3. BACK PANEL SECTION



The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-4750-663-A	DIGITAL BOARD, COMPLETE (US,CND)		105	A-4750-662-A	VIDEO BOARD, COMPLETE (EXCEPT AEP,UK)	
101	A-4750-722-A	DIGITAL BOARD, COMPLETE (AEP,UK)		105	A-4750-721-A	VIDEO BOARD, COMPLETE (AEP,UK)	
101	A-4750-809-A	DIGITAL BOARD, COMPLETE (SP,MY)		$\triangle$ 106	1-696-847-22	CORD, POWER (AUS)	
101	A-4750-834-A	DIGITAL BOARD, COMPLETE (AUS)		$\triangle$ 106	1-769-079-23	CORD, POWER (KR)	
101	A-4750-840-A	DIGITAL BOARD, COMPLETE (E2)		$\triangle$ 106	1-777-071-23	CORD, POWER (AEP,UK,E2,SP,MY)	
101	A-4752-713-A	DIGITAL BOARD, COMPLETE (KR)		$\triangle$ 106	1-783-820-11	CORD, POWER (US,CND)	
101	A-4753-052-A	DIGITAL BOARD, COMPLETE (AR)		$\triangle$ 106	1-783-941-12	CORD, POWER (AR)	
102	1-769-937-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP,UK)		TN1	1-693-577-13	TUNER PACK (ANTENNA) (US,CND,E2,AR)	
102	1-773-001-11	WIRE (FLAT TYPE) (15 CORE) (AEP,UK)		TN1	1-693-578-21	TUNER PACK (ANTENNA) (AEP,UK)	
103	1-769-879-11	WIRE (FLAT TYPE) (7 CORE)		TN1	1-693-580-24	TUNER PACK (ANTENNA) (AUS,KR,SP,MY)	
* 104	3-703-244-00	BUSHING (2104), CORD		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

5-4. CHASSIS SECTION



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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	X-4953-448-1	FOOT ASSY		Q503	8-749-010-25	TRANSISTOR MN2488-OPY-M	
152	4-232-237-01	FOOT (DIA.30)		Q504	8-749-010-26	TRANSISTOR MP1620-OPY-M	
153	4-977-358-01	CUSHION		Q572	8-729-026-08	TRANSISTOR 2SC4495	
154	4-233-263-01	SUB MOLD (DE9)		Q573	8-749-010-25	TRANSISTOR MN2488-OPY-M	
155	A-4750-646-A	STANDBY BOARD, COMPLETE (US,CND)		Q574	8-749-010-26	TRANSISTOR MP1620-OPY-M	
155	A-4750-714-A	STANDBY BOARD, COMPLETE (EXCEPT US,CND,E2)		Q603	8-749-010-25	TRANSISTOR MN2488-OPY-M	
155	A-4750-838-A	STANDBY BOARD, COMPLETE (E2)		Q604	8-749-010-26	TRANSISTOR MP1620-OPY-M	
156	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Q653	8-749-010-25	TRANSISTOR MN2488-OPY-M	
157	A-4750-650-A	SB AMP BOARD, COMPLETE		Q654	8-749-010-26	TRANSISTOR MP1620-OPY-M	
158	3-905-609-01	SCREW (TRANSISTOR)		Q703	8-749-010-25	TRANSISTOR MN2488-OPY-M	
159	A-4750-642-A	MAIN BOARD, COMPLETE (US,CND,E2)		Q704	8-749-010-26	TRANSISTOR MP1620-OPY-M	
159	A-4750-713-A	MAIN BOARD, COMPLETE (EXCEPT US,CND,E2)		Q753	8-749-010-25	TRANSISTOR MN2488-OPY-M	
160	3-970-608-01	SUMITITE (B3), +BV		Q754	8-749-010-26	TRANSISTOR MP1620-OPY-M	
$\triangle$ F901	1-532-464-32	FUSE (T2.5AL/250V) (EXCEPT US,CND,E2)		$\triangle$ T901	1-439-550-11	TRANSFORMER, POWER (EXCEPT US,CND,E2)	
$\triangle$ F901	1-532-465-32	FUSE (T3.15AL/250V) (E2)		$\triangle$ T901	1-439-553-11	TRANSFORMER, POWER (E2)	
$\triangle$ F901	1-533-454-12	FUSE, GLASS TUBE (DIA.5) (6.3A/125V) (US,CND)		$\triangle$ T901	1-439-611-11	TRANSFORMER, POWER (US,CND)	
				#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

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.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
• CAPACITORS
uF : μ F
• COILS
uH : μ H
• Abbreviation
CND : Canadian model
E2 : AC 120 V area in E model
AUS : Australian model
SP : Singapore model
MY : Malaysia model
AR : Argentina model
KR : Korea model

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

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

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

Ref. No.	Part No.	Description	Remark
		AC SELECT BOARD (E2)	

		< CONNECTOR >	
* CNP910	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P (E2)	
		< SWITCH >	
$\triangle$ S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR) (E2)	

		BRIDGEABLE BOARD	

		< CONNECTOR >	
* CN906	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P	
* CN908	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P	
		< DIODE >	
D818	8-719-991-33	DIODE 1SS133T-77	
		< TRANSISTOR >	
Q809	8-729-119-79	TRANSISTOR 2SC2785-FEK	
		< RESISTOR >	
R824	1-247-847-11	CARBON 4.7K 5% 1/4W	
R830	1-249-404-00	CARBON 82 5% 1/4W	
R831	1-249-404-00	CARBON 82 5% 1/4W	(CND)
		< RELAY >	
RY801	1-755-013-11	RELAY (EXCEPT CND)	
RY802	1-755-494-11	RELAY (CND)	
RY803	1-755-494-11	RELAY (CND)	

Ref. No.	Part No.	Description	Remark
	A-4750-663-A	DIGITAL BOARD, COMPLETE (US,CND)	
	A-4750-722-A	DIGITAL BOARD, COMPLETE (AEP,UK)	
	A-4750-809-A	DIGITAL BOARD, COMPLETE (SP,MY)	
	A-4750-834-A	DIGITAL BOARD, COMPLETE (AUS)	
	A-4750-840-A	DIGITAL BOARD, COMPLETE (E2)	
	A-4752-713-A	DIGITAL BOARD, COMPLETE (KR)	
	A-4753-052-A	DIGITAL BOARD, COMPLETE (AR)	

	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
		< CAPACITOR >	
C1001	1-126-925-11	ELECT 470uF 20% 10V	
C1002	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1003	1-162-953-11	CERAMIC CHIP 100PF 5% 50V	
		(US,CND,E2)	
C1003	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	(EXCEPT US,CND,E2)
C1021	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1022	1-126-925-11	ELECT 470uF 20% 10V	
C1031	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1032	1-126-925-11	ELECT 470uF 20% 10V	
C1063	1-164-156-11	CERAMIC CHIP 0.1uF 25V	(AEP,UK)
C1064	1-126-204-11	ELECT CHIP 47uF 20% 16V	(AEP,UK)
C1100	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1102	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1103	1-126-204-11	ELECT CHIP 47uF 20% 16V	
C1107	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1108	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1118	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1119	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1120	1-162-974-11	CERAMIC CHIP 0.01uF 50V	
C1121	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1122	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1123	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1124	1-164-156-11	CERAMIC CHIP 0.1uF 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	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1139	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1140	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1141	1-164-156-11	CERAMIC CHIP 0.1uF 25V	

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark
C1142	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1451	1-162-967-11	CERAMIC CHIP	0.0033uF 10%	50V
C1251	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1452	1-162-962-11	CERAMIC CHIP	470PF 10%	50V
C1252	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1453	1-162-962-11	CERAMIC CHIP	470PF 10%	50V
C1253	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1454	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10% 50V	C1455	1-124-779-00	ELECT CHIP	10uF 20%	16V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10% 50V	C1456	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1299	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1457	1-124-779-00	ELECT CHIP	10uF 20%	16V
C1301	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1458	1-126-964-11	ELECT	10uF 20%	50V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1459	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1303	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1460	1-124-779-00	ELECT CHIP	10uF 20%	16V
C1304	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1461	1-162-967-11	CERAMIC CHIP	0.0033uF 10%	50V
C1305	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1462	1-162-962-11	CERAMIC CHIP	470PF 10%	50V
C1306	1-126-204-11	ELECT CHIP	47uF	20% 16V	C1463	1-162-962-11	CERAMIC CHIP	470PF 10%	50V
C1308	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1468	1-126-964-11	ELECT	10uF 20%	50V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5% 50V	C1471	1-162-967-11	CERAMIC CHIP	0.0033uF 10%	50V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5% 50V	C1472	1-162-962-11	CERAMIC CHIP	470PF 10%	50V
C1312	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1473	1-162-962-11	CERAMIC CHIP	470PF 10%	50V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5% 50V	C1478	1-126-964-11	ELECT	10uF 20%	50V
C1314	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1481	1-162-967-11	CERAMIC CHIP	0.0033uF 10%	50V
C1315	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1482	1-162-962-11	CERAMIC CHIP	470PF 10%	50V
C1316	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1483	1-162-962-11	CERAMIC CHIP	470PF 10%	50V
C1317	1-126-925-11	ELECT	470uF	20% 10V	C1487	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V
C1351	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1491	1-126-964-11	ELECT	10uF 20%	50V
C1354	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1494	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1355	1-126-395-11	ELECT CHIP	22uF	20% 16V	C1495	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1357	1-162-905-11	CERAMIC CHIP	1PF	0.25PF 50V	C1496	1-124-779-00	ELECT CHIP	10uF 20%	16V
C1358	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1501	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1359	1-126-916-11	ELECT	1000uF	20% 6.3V	C1502	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1360	1-162-923-11	CERAMIC CHIP	47PF	5% 50V	C1503	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1361	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1504	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1362	1-162-974-11	CERAMIC CHIP	0.01uF	50V	C1505	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1401	1-124-261-00	ELECT	10uF	20% 50V	C1506	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1402	1-126-964-11	ELECT	10uF	20% 50V	C1507	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1403	1-126-925-11	ELECT	470uF	20% 10V	C1508	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1404	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1509	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1405	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1510	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1406	1-126-925-11	ELECT	470uF	20% 10V	C1511	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1407	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1513	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1408	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1514	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1411	1-162-967-11	CERAMIC CHIP	0.0033uF	10% 50V	C1515	1-126-925-11	ELECT	470uF 20%	10V
C1412	1-162-962-11	CERAMIC CHIP	470PF	10% 50V	C1516	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1413	1-162-962-11	CERAMIC CHIP	470PF	10% 50V	C1517	1-126-925-11	ELECT	470uF 20%	10V
C1416	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1518	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1417	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1519	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1418	1-126-964-11	ELECT	10uF	20% 50V	C1520	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1421	1-162-967-11	CERAMIC CHIP	0.0033uF	10% 50V	C1521	1-162-920-11	CERAMIC CHIP	27PF 5%	50V
C1422	1-162-962-11	CERAMIC CHIP	470PF	10% 50V	C1522	1-162-920-11	CERAMIC CHIP	27PF 5%	50V
C1423	1-162-962-11	CERAMIC CHIP	470PF	10% 50V	C1525	1-126-925-11	ELECT	470uF 20%	10V
C1428	1-126-964-11	ELECT	10uF	20% 50V	C1547	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V
C1431	1-162-967-11	CERAMIC CHIP	0.0033uF	10% 50V	C1557	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V
C1432	1-162-962-11	CERAMIC CHIP	470PF	10% 50V	C1566	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V
C1433	1-162-962-11	CERAMIC CHIP	470PF	10% 50V	C1567	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V
C1438	1-126-964-11	ELECT	10uF	20% 50V	C1568	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V
C1441	1-162-967-11	CERAMIC CHIP	0.0033uF	10% 50V	C1569	1-162-966-11	CERAMIC CHIP	0.0022uF 10%	50V
C1442	1-162-962-11	CERAMIC CHIP	470PF	10% 50V	C1604	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1443	1-162-962-11	CERAMIC CHIP	470PF	10% 50V	C1605	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1448	1-126-964-11	ELECT	10uF	20% 50V	C1620	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1450	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1905	1-164-156-11	CERAMIC CHIP	0.1uF	25V

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Ref. No.	Part No.	Description	Remark
C1906	1-126-925-11	ELECT 470uF 20% 10V	
C1908	1-126-925-11	ELECT 470uF 20% 10V	
C1913	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1914	1-126-204-11	ELECT CHIP 47uF 20% 16V	
< CONNECTOR >			
CNP503	1-568-826-11	CONNECTOR, FFC 7P	
CNP506	1-779-799-11	PIN, CONNECTOR 9P	
CNP507	1-784-922-11	PIN, CONNECTOR 5P	
CNP510	1-784-923-11	PIN, CONNECTOR 7P	
CNS501	1-766-720-41	CONNECTOR, BOARD TO BOARD 17P	
CNS502	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P	
CNS505	1-568-838-11	CONNECTOR, FFC 21P	
CNS508	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP,UK)	
CNS508	1-784-776-11	CONNECTOR, FFC 15P (AEP,UK)	
CNS509	1-568-826-11	CONNECTOR, FFC 7P	
< DIODE >			
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	8-719-016-74	DIODE 1SS352	
< FERRITE BEAD >			
FB1101	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1302	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1305	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1306	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1309	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1405	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1406	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1451	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1452	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1453	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1501	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1502	1-414-235-22	INDUCTOR, FERRITE BEAD	
FB1503	1-414-235-22	INDUCTOR, FERRITE BEAD	
< IC >			
IC1001	8-759-231-53	IC TA7805S	
IC1031	8-759-450-47	IC BA05T	
IC1071	6-702-771-01	IC TA78033LS (AEP,UK)	
IC1101	6-803-874-01	IC MB90478PF-G-171-BNDE1	
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	
IC1302	8-759-595-15	IC TC74ACT153F(EL)	
IC1303	8-759-242-70	IC TC7WU04F	
IC1351	6-600-014-01	IC TORX141L (DIGITAL VIDEO 2 IN (OPTICAL))	

Ref. No.	Part No.	Description	Remark
IC1354	6-600-014-01	IC TORX141L (DIGITAL SA-CD/CD IN (OPTICAL))	
IC1401	6-702-527-01	IC AK5380VT-E2	
IC1402	8-759-710-97	IC NJM4565M-D	
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	
IC1451	6-703-704-01	IC AK4381VT-E2	
IC1452	6-703-564-01	IC AK4355VF-E2	
IC1501	6-702-047-01	IC CXD9718Q	
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	8-759-231-57	IC TA7810S	
IC1904	6-702-771-01	IC TA78033LS	
< JACK >			
J1301	1-794-972-11	JACK, PIN 1P (DIGITAL DVD IN (COAXIAL))	
< JUMPER RESISTOR >			
JR1002	1-211-950-11	SHORT CHIP 0	
JR1007	1-211-950-11	SHORT CHIP 0	
JR1008	1-211-950-11	SHORT CHIP 0	
JR1009	1-211-950-11	SHORT CHIP 0	
JR1010	1-211-950-11	SHORT CHIP 0	
JR1020	1-216-864-11	SHORT CHIP 0	
JR1102	1-216-864-11	SHORT CHIP 0	
JR1202	1-216-864-11	SHORT CHIP 0 (EXCEPT AEP,UK)	
JR1501	1-216-864-11	SHORT CHIP 0	
JR1511	1-414-235-22	INDUCTOR, FERRITE BEAD	
< 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 >			
R1035	1-216-829-11	METAL CHIP 4.7K 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	
R1050	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1051	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	
R1058	1-216-813-11	METAL CHIP 220 5% 1/10W (AEP,UK)	
R1059	1-216-813-11	METAL CHIP 220 5% 1/10W (AEP,UK)	
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	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R1075	1-216-809-11	METAL CHIP	100	5%	1/10W	R1154	1-216-809-11	METAL CHIP	100	5%	1/10W
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W	R1155	1-216-809-11	METAL CHIP	100	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W	R1156	1-216-809-11	METAL CHIP	100	5%	1/10W
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W	R1158	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1079	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1082	1-216-809-11	METAL CHIP	100	5%	1/10W	R1160	1-216-809-11	METAL CHIP	100	5%	1/10W
R1083	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1161	1-216-809-11	METAL CHIP	100	5%	1/10W
R1085	1-216-809-11	METAL CHIP	100	5%	1/10W	R1162	1-216-809-11	METAL CHIP	100	5%	1/10W
R1086	1-216-809-11	METAL CHIP	100	5%	1/10W	R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1164	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1093	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP,UK)	R1167	1-216-809-11	METAL CHIP	100	5%	1/10W
R1094	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP,UK)	R1168	1-216-809-11	METAL CHIP	100	5%	1/10W
R1095	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP,UK)	R1169	1-216-809-11	METAL CHIP	100	5%	1/10W
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1175	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP,UK)
R1097	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1176	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1098	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1177	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1099	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1178	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W	R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1107	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1185	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1108	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1109	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1110	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1111	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W	R1193	1-216-833-11	METAL CHIP	10K	5%	1/10W (AUS)
R1113	1-216-809-11	METAL CHIP	100	5%	1/10W	R1193	1-216-837-11	METAL CHIP	22K	5%	1/10W (AR)
R1114	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP,UK,E2,KR,SP,MY)
R1115	1-216-809-11	METAL CHIP	100	5%	1/10W	R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP,UK)
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (KR,SP,MY)
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1194	1-216-833-11	METAL CHIP	10K	5%	1/10W (E2)
R1119	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1194	1-216-841-11	METAL CHIP	47K	5%	1/10W (AUS,AR)
R1120	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1194	1-216-864-11	SHORT CHIP	0 (US,CND)		
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W	R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W	R1251	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W	R1252	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W	R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W	R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W	R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W	R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W	R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W	R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1136	1-216-809-11	METAL CHIP	100	5%	1/10W	R1305	1-216-817-11	METAL CHIP	470	5%	1/10W
R1137	1-216-809-11	METAL CHIP	100	5%	1/10W	R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1139	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W	R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1142	1-216-809-11	METAL CHIP	100	5%	1/10W	R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W	R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W	R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1145	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1147	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1149	1-216-809-11	METAL CHIP	100	5%	1/10W	R1314	1-216-833-11	METAL CHIP	10K	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						

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Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W		R1464	1-216-812-11	METAL CHIP	180	5%	1/10W	
R1316	1-216-809-11	METAL CHIP	100	5%	1/10W		R1465	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1351	1-216-809-11	METAL CHIP	100	5%	1/10W		R1470	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1354	1-216-809-11	METAL CHIP	100	5%	1/10W		R1471	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W		R1472	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1356	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1473	1-216-812-11	METAL CHIP	180	5%	1/10W	
R1357	1-216-837-11	METAL CHIP	22K	5%	1/10W		R1474	1-216-812-11	METAL CHIP	180	5%	1/10W	
R1358	1-216-854-11	METAL CHIP	560K	5%	1/10W		R1475	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W		R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W		R1480	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1362	1-216-809-11	METAL CHIP	100	5%	1/10W		R1481	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1402	1-216-845-11	METAL CHIP	100K	5%	1/10W		R1482	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1403	1-216-809-11	METAL CHIP	100	5%	1/10W		R1483	1-216-812-11	METAL CHIP	180	5%	1/10W	
R1404	1-216-845-11	METAL CHIP	100K	5%	1/10W		R1484	1-216-812-11	METAL CHIP	180	5%	1/10W	
R1405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R1485	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1406	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1407	1-216-809-11	METAL CHIP	100	5%	1/10W		R1492	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R1408	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1493	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1409	1-216-841-11	METAL CHIP	47K	5%	1/10W		R1494	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R1410	1-216-828-11	METAL CHIP	3.9K	5%	1/10W		R1501	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1411	1-216-828-11	METAL CHIP	3.9K	5%	1/10W		R1502	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1412	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1503	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1413	1-216-812-11	METAL CHIP	180	5%	1/10W		R1504	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1414	1-216-812-11	METAL CHIP	180	5%	1/10W		R1505	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1415	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1506	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1416	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1507	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1420	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1508	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1421	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1509	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1422	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1510	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1423	1-216-812-11	METAL CHIP	180	5%	1/10W		R1511	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1424	1-216-812-11	METAL CHIP	180	5%	1/10W		R1512	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1425	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1430	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1515	1-216-857-11	METAL CHIP	1M	5%	1/10W	
R1431	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1517	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1432	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1518	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1433	1-216-812-11	METAL CHIP	180	5%	1/10W		R1519	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1434	1-216-812-11	METAL CHIP	180	5%	1/10W		R1520	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1435	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1521	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1522	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1440	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1523	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1441	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1525	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1442	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1526	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1443	1-216-812-11	METAL CHIP	180	5%	1/10W		R1527	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1444	1-216-812-11	METAL CHIP	180	5%	1/10W		R1528	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1445	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1532	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1533	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1450	1-216-828-11	METAL CHIP	3.9K	5%	1/10W		R1534	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1451	1-216-828-11	METAL CHIP	3.9K	5%	1/10W		R1535	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1452	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1536	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1453	1-216-812-11	METAL CHIP	180	5%	1/10W		R1537	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1454	1-216-812-11	METAL CHIP	180	5%	1/10W		R1538	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1455	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1539	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1460	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1540	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1461	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1541	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1462	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1542	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1463	1-216-812-11	METAL CHIP	180	5%	1/10W		R1543	1-216-813-11	METAL CHIP	220	5%	1/10W	

DIGITAL

DISPLAY

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1544	1-216-813-11	METAL CHIP	220	5%	1/10W	C154	1-128-813-11	CERAMIC	220PF	5%	50V
R1545	1-216-813-11	METAL CHIP	220	5%	1/10W	C155	1-164-159-11	CERAMIC	0.1uF		50V
R1546	1-216-813-11	METAL CHIP	220	5%	1/10W	C156	1-164-159-11	CERAMIC	0.1uF		50V
R1547	1-216-813-11	METAL CHIP	220	5%	1/10W	C157	1-164-159-11	CERAMIC	0.1uF		50V
R1548	1-216-813-11	METAL CHIP	220	5%	1/10W	< CONNECTOR >					
R1549	1-216-813-11	METAL CHIP	220	5%	1/10W	* CNP101	1-564-518-11	PLUG, CONNECTOR 3P			
R1550	1-216-813-11	METAL CHIP	220	5%	1/10W	* CNP103	1-564-518-11	PLUG, CONNECTOR 3P			
R1551	1-216-813-11	METAL CHIP	220	5%	1/10W	CNS100	1-568-838-11	CONNECTOR, FFC 21P			
R1552	1-216-813-11	METAL CHIP	220	5%	1/10W	< DIODE >					
R1553	1-216-813-11	METAL CHIP	220	5%	1/10W	D101	6-500-647-01	LED SEL5E20C-STP15	(MULTI CHANNEL DECODING)		
R1554	1-216-813-11	METAL CHIP	220	5%	1/10W	D102	8-719-061-96	LED SLR-325DCT31 (2CH)			
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W	D103	8-719-061-96	LED SLR-325DCT31 (MUSIC)			
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W	D104	8-719-061-96	LED SLR-325DCT31 (MOVIE)			
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W	D105	8-719-061-96	LED SLR-325DCT31 (A.F.D.)			
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W	< VACUUM FLUORESCENT DISPLAY >					
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W	FL101	1-518-966-11	VACUUM FLUORESCENT DISPLAY			
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W	< IC >					
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W	IC100	8-759-643-83	IC uPD16315GB-3BS			
R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W	IC101	8-759-036-90	IC MC74ACT08N			
R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W	IC102	6-600-349-31	IC NJL24H400A (IR)			
*****						< TRANSISTOR >					
A-4750-654-A	DISPLAY BOARD, COMPLETE					Q100	8-729-119-78	TRANSISTOR 2SC2785-HFE			
*****						< RESISTOR >					
< CAPACITOR >						R101	1-249-409-11	CARBON	220	5%	1/4W
C100	1-164-159-11	CERAMIC	0.1uF		50V	R102	1-249-411-11	CARBON	330	5%	1/4W
C101	1-164-159-11	CERAMIC	0.1uF		50V	R103	1-249-413-11	CARBON	470	5%	1/4W
C104	1-164-159-11	CERAMIC	0.1uF		50V	R104	1-249-415-11	CARBON	680	5%	1/4W
C105	1-126-795-11	ELECT	10uF	20%	50V	R105	1-247-831-11	CARBON	1K	5%	1/4W
C108	1-164-159-11	CERAMIC	0.1uF		50V	R106	1-249-419-11	CARBON	1.5K	5%	1/4W
C109	1-164-159-11	CERAMIC	0.1uF		50V	R107	1-249-421-11	CARBON	2.2K	5%	1/4W
C110	1-128-825-11	CERAMIC	0.0022uF	5%	50V	R108	1-247-847-11	CARBON	4.7K	5%	1/4W
C111	1-128-813-11	CERAMIC	220PF	5%	50V	R109	1-249-429-11	CARBON	10K	5%	1/4W
C112	1-128-813-11	CERAMIC	220PF	5%	50V	R121	1-249-409-11	CARBON	220	5%	1/4W
C114	1-164-159-11	CERAMIC	0.1uF		50V	R122	1-249-411-11	CARBON	330	5%	1/4W
C115	1-126-795-11	ELECT	10uF	20%	50V	R123	1-249-413-11	CARBON	470	5%	1/4W
C132	1-128-813-11	CERAMIC	220PF	5%	50V	R124	1-249-415-11	CARBON	680	5%	1/4W
C133	1-128-813-11	CERAMIC	220PF	5%	50V	R125	1-247-831-11	CARBON	1K	5%	1/4W
C134	1-128-813-11	CERAMIC	220PF	5%	50V	R126	1-249-419-11	CARBON	1.5K	5%	1/4W
C135	1-128-813-11	CERAMIC	220PF	5%	50V	R131	1-249-409-11	CARBON	220	5%	1/4W
C136	1-128-813-11	CERAMIC	220PF	5%	50V	R132	1-249-411-11	CARBON	330	5%	1/4W
C137	1-128-813-11	CERAMIC	220PF	5%	50V	R133	1-249-413-11	CARBON	470	5%	1/4W
C138	1-128-813-11	CERAMIC	220PF	5%	50V	R141	1-249-421-11	CARBON	2.2K	5%	1/4W
C139	1-128-813-11	CERAMIC	220PF	5%	50V	R150	1-249-440-11	CARBON	82K	5%	1/4W
C140	1-128-813-11	CERAMIC	220PF	5%	50V	R153	1-247-807-31	CARBON	100	5%	1/4W
C141	1-128-813-11	CERAMIC	220PF	5%	50V	R154	1-249-393-11	CARBON	10	5%	1/4W
C142	1-128-813-11	CERAMIC	220PF	5%	50V	R160	1-247-804-11	CARBON	75	5%	1/4W
C143	1-128-813-11	CERAMIC	220PF	5%	50V	R161	1-249-409-11	CARBON	220	5%	1/4W
C144	1-164-159-11	CERAMIC	0.1uF		50V	R162	1-249-429-11	CARBON	10K	5%	1/4W
C150	1-164-159-11	CERAMIC	0.1uF		50V	R172	1-247-807-31	CARBON	100	5%	1/4W
C151	1-126-795-11	ELECT	10uF	20%	50V	R173	1-247-807-31	CARBON	100	5%	1/4W
C152	1-128-813-11	CERAMIC	220PF	5%	50V	R174	1-247-807-31	CARBON	100	5%	1/4W
C153	1-128-813-11	CERAMIC	220PF	5%	50V						

DISPLAY

HEADPHONE

MAIN

Ref. No.	Part No.	Description	Remark		
R175	1-249-393-11	CARBON	10	5%	1/4W
R198	1-249-381-11	CARBON	1	5%	1/4W
R199	1-249-381-11	CARBON	1	5%	1/4W
< 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)			
S103	1-771-410-21	SWITCH, TACTILE (DVD)			
S105	1-771-410-21	SWITCH, TACTILE (MD/TAPE)			
S107	1-771-410-21	SWITCH, TACTILE (SA-CD/CD)			
S109	1-771-410-21	SWITCH, TACTILE (TUNER FM/AM)			
S110	1-771-410-21	SWITCH, TACTILE (MAIN MENU)			
S111	1-771-410-21	SWITCH, TACTILE (ENTER)			
S112	1-771-410-21	SWITCH, TACTILE (<)			
S113	1-771-410-21	SWITCH, TACTILE (+)			
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)			
S130	1-771-410-21	SWITCH, TACTILE (-)			
S132	1-771-410-21	SWITCH, TACTILE (VIDEO 2)			
S134	1-771-410-21	SWITCH, TACTILE (VIDEO 1)			

HEADPHONE BOARD					

< CAPACITOR >					
C790	1-164-159-11	CERAMIC	0.1uF		50V
< CONNECTOR >					
CNP791	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
< JACK >					
J791	1-815-313-21	JACK (PHONES) (GOLD)...(GOLD)			
J791	1-815-314-21	JACK (PHONES) (SILVER)...(BLACK,SILVER)			

A-4750-642-A	MAIN BOARD, COMPLETE (US,CND,E2)				
A-4750-713-A	MAIN BOARD, COMPLETE (EXCEPT US,CND,E2)				

< CAPACITOR >					
C300	1-161-494-00	CERAMIC	0.022uF		25V
C310	1-161-494-00	CERAMIC	0.022uF		25V
C320	1-161-494-00	CERAMIC	0.022uF		25V
C330	1-161-494-00	CERAMIC	0.022uF		25V
C340	1-161-494-00	CERAMIC	0.022uF		25V
C350	1-161-494-00	CERAMIC	0.022uF		25V
C360	1-161-494-00	CERAMIC	0.022uF		25V
C400	1-128-825-11	CERAMIC	0.0022uF	5%	50V
C403	1-128-825-11	CERAMIC	0.0022uF	5%	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	1-128-825-11	CERAMIC	0.0022uF	5%	50V
C445	1-128-825-11	CERAMIC	0.0022uF	5%	50V
C458	1-126-963-11	ELECT	4.7uF	20%	50V
C459	1-126-963-11	ELECT	4.7uF	20%	50V
C464	1-164-159-11	CERAMIC	0.1uF		50V
C466	1-126-923-11	ELECT	220uF	20%	10V
C467	1-164-159-11	CERAMIC	0.1uF		50V
C468	1-128-809-11	CERAMIC	100PF	5%	50V
C469	1-128-809-11	CERAMIC	100PF	5%	50V
C470	1-128-809-11	CERAMIC	100PF	5%	50V
C471	1-126-963-11	ELECT	4.7uF	20%	50V
C472	1-126-963-11	ELECT	4.7uF	20%	50V
C481	1-126-963-11	ELECT	4.7uF	20%	50V
C482	1-126-963-11	ELECT	4.7uF	20%	50V
C483	1-126-963-11	ELECT	4.7uF	20%	50V
C484	1-126-963-11	ELECT	4.7uF	20%	50V
C485	1-126-963-11	ELECT	4.7uF	20%	50V
C486	1-126-963-11	ELECT	4.7uF	20%	50V
C488	1-164-159-11	CERAMIC	0.1uF		50V
C489	1-126-963-11	ELECT	4.7uF	20%	50V
C490	1-126-963-11	ELECT	4.7uF	20%	50V
C491	1-126-963-11	ELECT	4.7uF	20%	50V
C492	1-126-963-11	ELECT	4.7uF	20%	50V
C493	1-126-963-11	ELECT	4.7uF	20%	50V
C494	1-126-963-11	ELECT	4.7uF	20%	50V
C495	1-126-963-11	ELECT	4.7uF	20%	50V
C496	1-126-963-11	ELECT	4.7uF	20%	50V
C499	1-162-211-31	CERAMIC	33PF	5%	50V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C503	1-104-658-11	ELECT	100uF	20%	10V
C504	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C505	1-102-978-00	CERAMIC	220PF	5%	50V
C506	1-107-616-11	CERAMIC	150PF	5%	500V
C507	1-128-809-11	CERAMIC	100PF	5%	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	1-128-813-11	CERAMIC	220PF	5%	50V
C540	1-126-964-11	ELECT	10uF	20%	50V
C541	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	1-128-809-11	CERAMIC	100PF	5%	50V
C607	1-128-809-11	CERAMIC	100PF	5%	50V
C610	1-126-947-11	ELECT	47uF	20%	35V
C611	1-136-157-00	FILM	0.022uF	5%	50V
C619	1-128-813-11	CERAMIC	220PF	5%	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
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

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C655	1-102-233-00	CERAMIC	33PF	10%	500V	C811	1-164-159-11	CERAMIC	0.1uF		50V
C656	1-128-809-11	CERAMIC	100PF	5%	50V	C822	1-126-947-11	ELECT	47uF	20%	35V
C657	1-128-809-11	CERAMIC	100PF	5%	50V	C830	1-164-159-11	CERAMIC	0.1uF		50V
C660	1-126-947-11	ELECT	47uF	20%	35V	C831	1-164-159-11	CERAMIC	0.1uF		50V
C661	1-136-157-00	FILM	0.022uF	5%	50V	C832	1-126-936-11	ELECT	3300uF	20%	16V
C666	1-162-815-11	CERAMIC	47PF	5%	500V	CC02	1-128-809-11	CERAMIC	100PF	5%	50V
C669	1-162-815-11	CERAMIC	47PF	5%	500V						(EXCEPT US,CND,E2)
C670	1-128-813-11	CERAMIC	220PF	5%	50V	CC04	1-128-809-11	CERAMIC	100PF	5%	50V
C680	1-126-964-11	ELECT	10uF	20%	50V						(EXCEPT US,CND,E2)
C681	1-127-876-11	CERAMIC	0.01uF	10%	50V	CC05	1-128-809-11	CERAMIC	100PF	5%	50V
											(EXCEPT US,CND,E2)
C691	1-164-159-11	CERAMIC	0.1uF		50V	CC06	1-128-809-11	CERAMIC	100PF	5%	50V
C701	1-126-963-11	ELECT	4.7uF	20%	50V						(EXCEPT US,CND,E2)
C703	1-104-658-11	ELECT	100uF	20%	10V	CC07	1-128-809-11	CERAMIC	100PF	5%	50V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V						(EXCEPT US,CND,E2)
C705	1-102-233-00	CERAMIC	33PF	10%	500V						
C706	1-128-809-11	CERAMIC	100PF	5%	50V	CC08	1-128-809-11	CERAMIC	100PF	5%	50V
C707	1-128-809-11	CERAMIC	100PF	5%	50V						(EXCEPT US,CND,E2)
C710	1-126-947-11	ELECT	47uF	20%	35V	CC09	1-128-809-11	CERAMIC	100PF	5%	50V
C711	1-136-157-00	FILM	0.022uF	5%	50V						(EXCEPT US,CND,E2)
C716	1-162-815-11	CERAMIC	47PF	5%	500V	CC11	1-127-876-11	CERAMIC	0.01uF	10%	50V
											(EXCEPT US,CND,E2)
C717	1-162-815-11	CERAMIC	47PF	5%	500V	CC13	1-127-876-11	CERAMIC	0.01uF	10%	50V
C720	1-128-813-11	CERAMIC	220PF	5%	50V						(EXCEPT US,CND,E2)
C721	1-126-923-11	ELECT	220uF	20%	10V	CC15	1-127-876-11	CERAMIC	0.01uF	10%	50V
C722	1-126-964-11	ELECT	10uF	20%	50V						(EXCEPT US,CND,E2)
C732	1-128-582-11	ELECT	10uF	20%	100V	CC17	1-127-876-11	CERAMIC	0.01uF	10%	50V
											(EXCEPT US,CND,E2)
C733	1-128-582-11	ELECT	10uF	20%	100V	CC19	1-127-876-11	CERAMIC	0.01uF	10%	50V
C740	1-126-964-11	ELECT	10uF	20%	50V						(EXCEPT US,CND,E2)
C742	1-127-876-11	CERAMIC	0.01uF	10%	50V	CC21	1-127-876-11	CERAMIC	0.01uF	10%	50V
C743	1-128-579-11	ELECT	2.2uF	20%	100V						(EXCEPT US,CND,E2)
C744	1-128-579-11	ELECT	2.2uF	20%	100V	CC31	1-128-813-11	CERAMIC	220PF	5%	50V
											(EXCEPT US,CND,E2)
C750	1-126-964-11	ELECT	10uF	20%	50V	CC32	1-128-813-11	CERAMIC	220PF	5%	50V
C751	1-126-963-11	ELECT	4.7uF	20%	50V						(EXCEPT US,CND,E2)
C752	1-127-876-11	CERAMIC	0.01uF	10%	50V	CC33	1-128-813-11	CERAMIC	220PF	5%	50V
C753	1-104-658-11	ELECT	100uF	20%	10V						(EXCEPT US,CND,E2)
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V	CC34	1-128-813-11	CERAMIC	220PF	5%	50V
											(EXCEPT US,CND,E2)
C755	1-102-233-00	CERAMIC	33PF	10%	500V	CC35	1-128-813-11	CERAMIC	220PF	5%	50V
C756	1-128-809-11	CERAMIC	100PF	5%	50V						(EXCEPT US,CND,E2)
C757	1-128-809-11	CERAMIC	100PF	5%	50V	CC36	1-128-813-11	CERAMIC	220PF	5%	50V
C760	1-126-947-11	ELECT	47uF	20%	35V						(EXCEPT US,CND,E2)
C761	1-136-157-00	FILM	0.022uF	5%	50V	CC52	1-128-809-11	CERAMIC	100PF	5%	50V
											(EXCEPT US,CND,E2)
C766	1-162-815-11	CERAMIC	47PF	5%	500V	CC54	1-128-809-11	CERAMIC	100PF	5%	50V
C767	1-162-815-11	CERAMIC	47PF	5%	500V						(EXCEPT US,CND,E2)
C770	1-128-813-11	CERAMIC	220PF	5%	50V	CC55	1-128-809-11	CERAMIC	100PF	5%	50V
C801	1-126-947-11	ELECT	47uF	20%	35V						(EXCEPT US,CND,E2)
C802	1-126-947-11	ELECT	47uF	20%	35V	CC56	1-128-809-11	CERAMIC	100PF	5%	50V
											(EXCEPT US,CND,E2)
C803	1-109-932-13	ELECT	10000uF	20%	71V	CC57	1-128-809-11	CERAMIC	100PF	5%	50V
											(EXCEPT US,CND,E2)
C803	1-165-707-11	ELECT	10000uF	20%	71V	CC58	1-128-809-11	CERAMIC	100PF	5%	50V
											(EXCEPT US,CND,E2)
C804	1-109-932-13	ELECT	10000uF	20%	71V						(EXCEPT US,CND,E2)
											(EXCEPT US,CND,E2)
C804	1-165-707-11	ELECT	10000uF	20%	71V	CC59	1-128-809-11	CERAMIC	100PF	5%	50V
											(EXCEPT US,CND,E2)
C805	1-135-851-21	MYLAR	0.22uF		100V						
C806	1-135-851-21	MYLAR	0.22uF		100V						< CONNECTOR >
C807	1-126-947-11	ELECT	47uF	20%	35V	CNP500	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P			
C808	1-126-947-11	ELECT	47uF	20%	35V	* CNP501	1-766-718-21	CONNECTOR, BOARD TO BOARD 17P			
C809	1-164-159-11	CERAMIC	0.1uF		50V	CNP802	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
C810	1-164-159-11	CERAMIC	0.1uF		50V						

MAIN

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R331	1-247-879-11	CARBON	100K	5%	1/4W	R521	1-240-855-81	CARBON	6.2K	5%	1/4W
R332	1-247-847-11	CARBON	4.7K	5%	1/4W	R522	1-249-419-11	CARBON	1.5K	5%	1/4W
R340	1-247-831-11	CARBON	1K	5%	1/4W	R524	1-249-431-11	CARBON	15K	5%	1/4W
R341	1-247-879-11	CARBON	100K	5%	1/4W	R525	1-249-439-11	CARBON	68K	5%	1/4W
R342	1-247-847-11	CARBON	4.7K	5%	1/4W	R532	1-247-847-11	CARBON	4.7K	5%	1/4W
R350	1-247-831-11	CARBON	1K	5%	1/4W	R533	1-247-871-11	CARBON	47K	5%	1/4W
R351	1-247-879-11	CARBON	100K	5%	1/4W	R540	1-247-863-11	CARBON	22K	5%	1/4W
R352	1-247-847-11	CARBON	4.7K	5%	1/4W	R546	1-249-431-11	CARBON	15K	5%	1/4W
R360	1-247-831-11	CARBON	1K	5%	1/4W	R555	1-247-847-11	CARBON	4.7K	5%	1/4W
R361	1-247-879-11	CARBON	100K	5%	1/4W	R556	1-247-871-11	CARBON	47K	5%	1/4W
R362	1-247-847-11	CARBON	4.7K	5%	1/4W	R557	1-249-431-11	CARBON	15K	5%	1/4W
R380	1-247-879-11	CARBON	100K	5%	1/4W	R573	1-247-871-11	CARBON	47K	5%	1/4W
R381	1-249-429-11	CARBON	10K	5%	1/4W	R601	1-247-831-11	CARBON	1K	5%	1/4W
R402	1-247-831-11	CARBON	1K	5%	1/4W	R602	1-249-439-11	CARBON	68K	5%	1/4W
R404	1-247-831-11	CARBON	1K	5%	1/4W	R603	1-249-421-11	CARBON	2.2K	5%	1/4W
R405	1-247-831-11	CARBON	1K	5%	1/4W	R604	1-249-439-11	CARBON	68K	5%	1/4W
R406	1-247-831-11	CARBON	1K	5%	1/4W	R610	1-249-421-11	CARBON	2.2K	5%	1/4W
R407	1-247-831-11	CARBON	1K	5%	1/4W	R611	1-249-440-11	CARBON	82K	5%	1/4W
R408	1-247-831-11	CARBON	1K	5%	1/4W	R613	1-249-414-11	CARBON	560	5%	1/4W
R409	1-247-831-11	CARBON	1K	5%	1/4W	R614	1-249-399-11	CARBON	33	5%	1/4W
R428	1-247-831-11	CARBON	1K	5%	1/4W	R615	1-249-399-11	CARBON	33	5%	1/4W
R429	1-247-831-11	CARBON	1K	5%	1/4W	R616	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R430	1-247-831-11	CARBON	1K	5%	1/4W	R617	1-249-393-11	CARBON	10	5%	1/4W
R431	1-247-831-11	CARBON	1K	5%	1/4W	R618	1-249-389-11	CARBON	4.7	5%	1/4W
R432	1-247-831-11	CARBON	1K	5%	1/4W	R620	1-247-847-11	CARBON	4.7K	5%	1/4W
R433	1-247-831-11	CARBON	1K	5%	1/4W	R621	1-240-855-81	CARBON	6.2K	5%	1/4W
R434	1-247-831-11	CARBON	1K	5%	1/4W	R622	1-249-419-11	CARBON	1.5K	5%	1/4W
R435	1-247-831-11	CARBON	1K	5%	1/4W	R623	1-247-871-11	CARBON	47K	5%	1/4W
R436	1-247-831-11	CARBON	1K	5%	1/4W	R624	1-249-431-11	CARBON	15K	5%	1/4W
R452	1-247-831-11	CARBON	1K	5%	1/4W	R625	1-249-439-11	CARBON	68K	5%	1/4W
R454	1-247-831-11	CARBON	1K	5%	1/4W	R631	1-247-847-11	CARBON	4.7K	5%	1/4W
R455	1-247-831-11	CARBON	1K	5%	1/4W	R632	1-247-847-11	CARBON	4.7K	5%	1/4W
R456	1-247-831-11	CARBON	1K	5%	1/4W	R634	1-249-404-00	CARBON	82	5%	1/4W
R457	1-247-831-11	CARBON	1K	5%	1/4W	R635	1-249-404-00	CARBON	82	5%	1/4W
R458	1-247-831-11	CARBON	1K	5%	1/4W	R638	1-249-439-11	CARBON	68K	5%	1/4W
R459	1-247-831-11	CARBON	1K	5%	1/4W	R640	1-247-863-11	CARBON	22K	5%	1/4W
R469	1-247-831-11	CARBON	1K	5%	1/4W	R648	1-249-431-11	CARBON	15K	5%	1/4W
R470	1-247-871-11	CARBON	47K	5%	1/4W	R651	1-247-831-11	CARBON	1K	5%	1/4W
R471	1-247-831-11	CARBON	1K	5%	1/4W	R652	1-249-439-11	CARBON	68K	5%	1/4W
R472	1-249-415-11	CARBON	680	5%	1/4W	R653	1-249-421-11	CARBON	2.2K	5%	1/4W
R473	1-249-429-11	CARBON	10K	5%	1/4W	R654	1-249-439-11	CARBON	68K	5%	1/4W
R474	1-249-429-11	CARBON	10K	5%	1/4W	R655	1-247-847-11	CARBON	4.7K	5%	1/4W
R475	1-249-421-11	CARBON	2.2K	5%	1/4W	R656	1-247-871-11	CARBON	47K	5%	1/4W
R480	1-247-871-11	CARBON	47K	5%	1/4W	R657	1-249-431-11	CARBON	15K	5%	1/4W
R499	1-247-871-11	CARBON	47K	5%	1/4W	R660	1-249-421-11	CARBON	2.2K	5%	1/4W
R501	1-247-831-11	CARBON	1K	5%	1/4W	R661	1-249-440-11	CARBON	82K	5%	1/4W
R502	1-249-439-11	CARBON	68K	5%	1/4W	R663	1-249-414-11	CARBON	560	5%	1/4W
R503	1-249-421-11	CARBON	2.2K	5%	1/4W	R664	1-249-399-11	CARBON	33	5%	1/4W
R504	1-249-411-11	CARBON	330	5%	1/4W	R665	1-249-399-11	CARBON	33	5%	1/4W
R505	1-249-439-11	CARBON	68K	5%	1/4W	R666	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R510	1-249-421-11	CARBON	2.2K	5%	1/4W	R667	1-249-393-11	CARBON	10	5%	1/4W
R511	1-249-440-11	CARBON	82K	5%	1/4W	R668	1-249-389-11	CARBON	4.7	5%	1/4W
R513	1-249-414-11	CARBON	560	5%	1/4W	R669	1-247-847-11	CARBON	4.7K	5%	1/4W
R514	1-249-399-11	CARBON	33	5%	1/4W	R671	1-240-855-81	CARBON	6.2K	5%	1/4W
R515	1-249-399-11	CARBON	33	5%	1/4W	R672	1-249-419-11	CARBON	1.5K	5%	1/4W
R516	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W				R673	1-247-871-11	CARBON	47K	5%	1/4W
R517	1-249-393-11	CARBON	10	5%	1/4W	R674	1-249-431-11	CARBON	15K	5%	1/4W
R520	1-247-847-11	CARBON	4.7K	5%	1/4W	R675	1-247-847-11	CARBON	4.7K	5%	1/4W

MAIN

POWER

Ref. No.	Part No.	Description	Remark		
R676	1-247-871-11	CARBON	47K	5%	1/4W
R677	1-249-431-11	CARBON	15K	5%	1/4W
R680	1-247-863-11	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	1-216-453-00	METAL OXIDE	270	5%	2W F
△ R692	1-216-453-00	METAL OXIDE	270	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	1-247-871-11	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	1-247-831-11	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
R715	1-249-399-11	CARBON	33	5%	1/4W
R716	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W	
R717	1-249-393-11	CARBON	10	5%	1/4W
R718	1-249-389-11	CARBON	4.7	5%	1/4W
R719	1-247-847-11	CARBON	4.7K	5%	1/4W
R721	1-240-855-81	CARBON	6.2K	5%	1/4W
R722	1-249-419-11	CARBON	1.5K	5%	1/4W
R723	1-247-871-11	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	1-247-847-11	CARBON	4.7K	5%	1/4W
R732	1-249-381-11	CARBON	1	5%	1/4W
R733	1-249-381-11	CARBON	1	5%	1/4W
R734	1-249-404-00	CARBON	82	5%	1/4W
R735	1-249-427-11	CARBON	6.8K	5%	1/4W
R736	1-247-831-11	CARBON	1K	5%	1/4W
R737	1-249-436-11	CARBON	39K	5%	1/4W
R740	1-247-863-11	CARBON	22K	5%	1/4W
R743	1-247-863-11	CARBON	22K	5%	1/4W
R744	1-247-863-11	CARBON	22K	5%	1/4W
R745	1-247-847-11	CARBON	4.7K	5%	1/4W
R746	1-247-871-11	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	1-247-863-11	CARBON	22K	5%	1/4W
R751	1-247-831-11	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	1-247-847-11	CARBON	4.7K	5%	1/4W
R756	1-247-871-11	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

Ref. No.	Part No.	Description	Remark		
R765	1-249-399-11	CARBON	33	5%	1/4W
R766	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W	
R767	1-249-393-11	CARBON	10	5%	1/4W
R768	1-249-389-11	CARBON	4.7	5%	1/4W
R769	1-247-847-11	CARBON	4.7K	5%	1/4W
R770	1-247-871-11	CARBON	47K	5%	1/4W
R771	1-240-855-81	CARBON	6.2K	5%	1/4W
R772	1-249-419-11	CARBON	1.5K	5%	1/4W
R773	1-247-871-11	CARBON	47K	5%	1/4W
R775	1-249-439-11	CARBON	68K	5%	1/4W
R778	1-249-431-11	CARBON	15K	5%	1/4W
R780	1-249-429-11	CARBON	10K	5%	1/4W
R791	1-247-847-11	CARBON	4.7K	5%	1/4W
△ R792	1-215-868-00	METAL OXIDE	680	5%	1W F
R793	1-249-404-00	CARBON	82	5%	1/4W
△ R794	1-215-868-00	METAL OXIDE	680	5%	1W F
R802	1-249-404-00	CARBON	82	5%	1/4W
R803	1-249-389-11	CARBON	4.7	5%	1/4W
R804	1-249-429-11	CARBON	10K	5%	1/4W
R806	1-247-863-11	CARBON	22K	5%	1/4W
△ R910	1-240-877-11	FUSIBLE	0.15	5%	1/2W F
RR11	1-249-393-11	CARBON	10	5%	1/4W
RR12	1-249-393-11	CARBON	10	5%	1/4W
RR13	1-249-393-11	CARBON	10	5%	1/4W
RR14	1-249-393-11	CARBON	10	5%	1/4W
RR15	1-249-393-11	CARBON	10	5%	1/4W
RR16	1-249-393-11	CARBON	10	5%	1/4W
< RELAY >					
RY560	1-755-267-11	RELAY			
RY601	1-755-421-11	RELAY			
RY602	1-755-421-11	RELAY			
RY701	1-755-421-11	RELAY			
RY791	1-755-421-11	RELAY			
< TERMINAL BOARD >					
TM601	1-694-935-12	TERMINAL BOARD 8P (SPEAKERS FRONT A,SURROUND)			
TM602	1-694-785-11	TERMINAL BOARD 4P (SPEAKERS FRONT B)			

	1-861-057-11	POWER BOARD			

< RESISTOR >					
R127	1-249-421-11	CARBON	2.2K	5%	1/4W
R128	1-247-847-11	CARBON	4.7K	5%	1/4W
< SWITCH >					
S126	1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B/A+B))			
S127	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S128	1-771-410-21	SWITCH, TACTILE (DIMMER)			
S152	1-771-410-21	SWITCH, TACTILE (I/⏻)			

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 pièce portant le numéro spécifié.

SB AMP

SPEAKER

STANDBY

Ref. No.	Part No.	Description	Remark		
	A-4750-650-A	SB AMP BOARD, COMPLETE	*****		
		< CAPACITOR >			
C561	1-126-963-11	ELECT	4.7uF	20%	50V
C562	1-128-809-11	CERAMIC	100PF	5%	50V
C563	1-102-978-00	CERAMIC	220PF	5%	50V
C564	1-107-616-11	CERAMIC	150PF	5%	500V
C565	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C566	1-104-658-11	ELECT	100uF	20%	10V
C571	1-126-947-11	ELECT	47uF	20%	35V
C573	1-162-815-11	CERAMIC	47PF	5%	500V
C575	1-162-815-11	CERAMIC	47PF	5%	500V
C576	1-127-876-11	CERAMIC	0.01uF	10%	50V
C577	1-126-964-11	ELECT	10uF	20%	50V
C578	1-128-813-11	CERAMIC	220PF	5%	50V
C581	1-136-157-00	FILM	0.022uF	5%	50V
		< CONNECTOR >			
* CN572	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P			
CN574	1-779-799-11	PIN, CONNECTOR 9P			
		< DIODE >			
D575	8-719-991-33	DIODE 1SS133T-77			
D576	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC571	8-749-011-16	IC STK350-230			
		< TRANSISTOR >			
Q575	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q576	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q577	8-729-281-53	TRANSISTOR 2SC1815-GR			
		< RESISTOR >			
R560	1-249-411-11	CARBON	330	5%	1/4W
R561	1-247-831-11	CARBON	1K	5%	1/4W
R562	1-249-439-11	CARBON	68K	5%	1/4W
R565	1-249-439-11	CARBON	68K	5%	1/4W
R566	1-249-421-11	CARBON	2.2K	5%	1/4W
R571	1-249-428-11	CARBON	8.2K	5%	1/4W
R572	1-247-847-11	CARBON	4.7K	5%	1/4W
R574	1-247-831-11	CARBON	1K	5%	1/4W
R575	1-249-399-11	CARBON	33	5%	1/4W
R576	1-240-855-81	CARBON	6.2K	5%	1/4W
R577	1-247-847-11	CARBON	4.7K	5%	1/4W
R578	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R579	1-249-419-11	CARBON	1.5K	5%	1/4W
R580	1-249-439-11	CARBON	68K	5%	1/4W
R581	1-249-393-11	CARBON	10	5%	1/4W
R582	1-249-399-11	CARBON	33	5%	1/4W
R583	1-249-431-11	CARBON	15K	5%	1/4W
R584	1-249-431-11	CARBON	15K	5%	1/4W
R585	1-247-847-11	CARBON	4.7K	5%	1/4W
R586	1-247-871-11	CARBON	47K	5%	1/4W
R587	1-247-871-11	CARBON	47K	5%	1/4W
R588	1-247-863-11	CARBON	22K	5%	1/4W

Ref. No.	Part No.	Description	Remark		
R596	1-249-431-11	CARBON 15K 5%	1/4W		
		SPEAKER BOARD	*****		
		< CAPACITOR >			
CC16	1-127-876-11	CERAMIC	0.01uF	10%	50V (AEP,UK,AUS,KR)
CC17	1-127-876-11	CERAMIC	0.01uF	10%	50V (AEP,UK,AUS,KR)
		< CONNECTOR >			
CNP501	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CNP502	1-779-978-11	PIN, CONNECTOR 3P			
CNP503	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
		< 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	8-729-119-79	TRANSISTOR 2SC2785-FEK			
		< RESISTOR >			
R531	1-247-847-11	CARBON	4.7K	5%	1/4W
R534	1-249-404-00	CARBON	82	5%	1/4W
R578	1-249-389-11	CARBON	4.7	5%	1/4W
R751	1-249-389-11	CARBON	4.7	5%	1/4W
RR16	1-249-393-11	CARBON	10	5%	1/4W (AEP,UK,AUS,KR)
RR17	1-249-393-11	CARBON	10	5%	1/4W (AEP,UK,AUS,KR)
		< RELAY >			
RY501	1-755-421-11	RELAY			
		< TERMINAL BOARD >			
TM501	1-694-933-12	TERMINAL BOARD 4P (SPEAKERS SURROUND BACK,CENTER)			
		A-4750-646-A	STANDBY BOARD, COMPLETE (US,CND)		
		A-4750-714-A	STANDBY BOARD, COMPLETE (EXCEPT US,CND,E2)		
		A-4750-838-A	STANDBY BOARD, COMPLETE (E2) *****		
		1-533-223-11	HOLDER, FUSE		
		< CAPACITOR >			
C913	1-164-159-11	CERAMIC	0.1uF		50V
C914	1-164-159-11	CERAMIC	0.1uF		50V
C915	1-126-943-11	ELECT	2200uF	20%	25V
C916	1-126-942-61	ELECT	1000uF	20%	25V
C920	1-164-159-11	CERAMIC	0.1uF		50V

STANDBY

TUNING

VIDEO

Ref. No.	Part No.	Description	Remark		
C921	1-164-159-11	CERAMIC	0.1uF		50V
C922	1-164-159-11	CERAMIC	0.1uF		50V
C924	1-126-959-11	ELECT	0.47uF	20%	50V
C950	1-126-936-11	ELECT	3300uF	20%	16V
< CONNECTOR >					
CNP801	1-766-203-11	PLUG, CONNECTOR PIN (PC BOARD) 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			
CNP906	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P (E2)			
< 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		
< EARTH TERMINAL >					
* G901	1-537-738-21	TERMINAL, EARTH			
< TRANSISTOR >					
Q901	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q921	8-729-119-79	TRANSISTOR	2SC2785-FEK		
< 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
					(US,CND)
R902	1-247-871-11	CARBON	47K	5%	1/4W
R903	1-247-847-11	CARBON	4.7K	5%	1/4W
R904	1-249-381-11	CARBON	1	5%	1/4W
R921	1-247-871-11	CARBON	47K	5%	1/4W
R922	1-247-863-11	CARBON	22K	5%	1/4W
R923	1-249-429-11	CARBON	10K	5%	1/4W
< RELAY >					
△ RY901	1-755-298-11	RELAY			
< TRANSFORMER >					
△ T902	1-435-281-11	TRANSFORMER, POWER (US,CND)			
△ T902	1-435-282-11	TRANSFORMER, POWER (EXCEPT US,CND,E2)			
△ T902	1-435-283-11	TRANSFORMER, POWER (E2)			

Ref. No.	Part No.	Description	Remark			
	1-861-056-11	TUNING BOARD				

		< RESISTOR >				
R134	1-249-415-11	CARBON	680	5%	1/4W	
R135	1-247-831-11	CARBON	1K	5%	1/4W	
R136	1-249-419-11	CARBON	1.5K	5%	1/4W	
R137	1-249-421-11	CARBON	2.2K	5%	1/4W	
R138	1-247-847-11	CARBON	4.7K	5%	1/4W	
		< SWITCH >				
S136	1-771-410-21	SWITCH, TACTILE (TUNING -)				
S137	1-771-410-21	SWITCH, TACTILE (FM MODE)				
S138	1-771-410-21	SWITCH, TACTILE (MEMORY)				
S139	1-771-410-21	SWITCH, TACTILE (PRESET TUNING -)				
S140	1-771-410-21	SWITCH, TACTILE (PRESET TUNING +)				
S141	1-771-410-21	SWITCH, TACTILE (TUNING +)				

	A-4750-662-A	VIDEO BOARD, COMPLETE (EXCEPT AEP,UK)				
	A-4750-721-A	VIDEO BOARD, COMPLETE (AEP,UK)				

		< 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	1-164-159-11	CERAMIC	0.1uF		50V	
C215	1-164-159-11	CERAMIC	0.1uF		50V	
C220	1-126-947-11	ELECT	47uF	20%	35V	
C221	1-126-923-11	ELECT	220uF	20%	10V	
C223	1-164-159-11	CERAMIC	0.1uF		50V	
C224	1-164-159-11	CERAMIC	0.1uF		50V	
C248	1-128-825-11	CERAMIC	0.0022uF	5%	50V	
C308	1-126-964-11	ELECT	10uF	20%	50V	(EXCEPT AEP,UK)
C309	1-126-964-11	ELECT	10uF	20%	50V	(EXCEPT AEP,UK)
C310	1-126-964-11	ELECT	10uF	20%	50V	(EXCEPT AEP,UK)
C311	1-126-964-11	ELECT	10uF	20%	50V	(EXCEPT AEP,UK)
C312	1-126-964-11	ELECT	10uF	20%	50V	(EXCEPT AEP,UK)
C313	1-126-964-11	ELECT	10uF	20%	50V	(EXCEPT AEP,UK)
C316	1-128-825-11	CERAMIC	0.0022uF	5%	50V	(EXCEPT AEP,UK)
C317	1-126-947-11	ELECT	47uF	20%	35V	(EXCEPT AEP,UK)
C329	1-164-159-11	CERAMIC	0.1uF		50V	(EXCEPT AEP,UK)
C330	1-164-159-11	CERAMIC	0.1uF		50V	(EXCEPT AEP,UK)
C331	1-164-159-11	CERAMIC	0.1uF		50V	(EXCEPT AEP,UK)

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Ref. No.	Part No.	Description	Remark		Ref. No.	Part No.	Description	Remark	
C332	1-164-159-11	CERAMIC	0.1uF	50V (EXCEPT AEP,UK)	R311	1-247-831-11	CARBON	1K	5% 1/4W (EXCEPT AEP,UK)
C338	1-126-947-11	ELECT	47uF	20% 35V (EXCEPT AEP,UK)	R312	1-247-831-11	CARBON	1K	5% 1/4W (EXCEPT AEP,UK)
< CONNECTOR >					R313	1-247-863-11	CARBON	22K	5% 1/4W (EXCEPT AEP,UK)
CNP203	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			R325	1-249-429-11	CARBON	10K	5% 1/4W (EXCEPT AEP,UK)
CNS250	1-568-439-11	SOCKET, CONNECTOR 7P			R347	1-247-807-31	CARBON	100	5% 1/4W (EXCEPT AEP,UK)
< DIODE >					*****				
D203	8-719-991-33	DIODE	1SS133T-77		MISCELLANEOUS				
D204	8-719-991-33	DIODE	1SS133T-77		*****				
< IC >					53	1-773-150-11	WIRE (FLAT TYPE) (21 CORE)		
IC203	6-701-890-01	IC	NJM2595D		102	1-769-937-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP,UK)		
IC301	8-759-231-66	IC	TC74HC4053AP (EXCEPT AEP,UK)		102	1-773-001-11	WIRE (FLAT TYPE) (15 CORE) (AEP,UK)		
IC302	6-701-891-01	IC	NJM2581D (EXCEPT AEP,UK)		103	1-769-879-11	WIRE (FLAT TYPE) (7 CORE)		
IC804	8-759-701-65	IC	NJM79M05FA		△ 106	1-696-847-22	CORD, POWER (AUS)		
IC807	8-759-231-53	IC	TA7805S		△ 106	1-769-079-23	CORD, POWER (KR)		
< JACK >					△ 106	1-777-071-23	CORD, POWER (AEP,UK,E2,SP,MY)		
J200	1-794-978-11	JACK, PIN 3P (DVD VIDEO IN, VIDEO 2 VIDEO IN,VIDEO 1 VIDEO OUT)			△ 106	1-783-820-11	CORD, POWER (US,CND)		
J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)			△ 106	1-783-941-12	CORD, POWER (AR)		
J301	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO DVD IN,VIDEO 2 IN,MONITOR OUT) (EXCEPT AEP,UK)			△ F901	1-532-464-32	FUSE (T2.5AL/250V) (EXCEPT US,CND,E2)		
< TRANSISTOR >					△ F901	1-532-465-32	FUSE (T3.15AL/250V) (E2)		
Q301	8-729-116-02	TRANSISTOR	BA1A4M-TP (EXCEPT AEP,UK)		△ F901	1-533-454-12	FUSE, GLASS TUBE (DIA.5) (6.3A/125V) (US,CND)		
< RESISTOR >					Q503	8-749-010-25	TRANSISTOR	MN2488-OPY-M	
R200	1-247-804-11	CARBON	75	5% 1/4W	Q504	8-749-010-26	TRANSISTOR	MP1620-OPY-M	
R201	1-247-804-11	CARBON	75	5% 1/4W	Q572	8-729-026-08	TRANSISTOR	2SC4495	
R218	1-247-804-11	CARBON	75	5% 1/4W	Q573	8-749-010-25	TRANSISTOR	MN2488-OPY-M	
R219	1-247-804-11	CARBON	75	5% 1/4W	Q574	8-749-010-26	TRANSISTOR	MP1620-OPY-M	
R220	1-247-804-11	CARBON	75	5% 1/4W	Q603	8-749-010-25	TRANSISTOR	MN2488-OPY-M	
R221	1-247-804-11	CARBON	75	5% 1/4W	Q604	8-749-010-26	TRANSISTOR	MP1620-OPY-M	
R301	1-247-804-11	CARBON	75	5% 1/4W (EXCEPT AEP,UK)	Q653	8-749-010-25	TRANSISTOR	MN2488-OPY-M	
R302	1-247-804-11	CARBON	75	5% 1/4W (EXCEPT AEP,UK)	Q654	8-749-010-26	TRANSISTOR	MP1620-OPY-M	
R303	1-247-804-11	CARBON	75	5% 1/4W (EXCEPT AEP,UK)	Q703	8-749-010-25	TRANSISTOR	MN2488-OPY-M	
R304	1-247-804-11	CARBON	75	5% 1/4W (EXCEPT AEP,UK)	Q704	8-749-010-26	TRANSISTOR	MP1620-OPY-M	
R305	1-247-804-11	CARBON	75	5% 1/4W (EXCEPT AEP,UK)	Q753	8-749-010-25	TRANSISTOR	MN2488-OPY-M	
R306	1-247-804-11	CARBON	75	5% 1/4W (EXCEPT AEP,UK)	Q754	8-749-010-26	TRANSISTOR	MP1620-OPY-M	
R307	1-247-804-11	CARBON	75	5% 1/4W (EXCEPT AEP,UK)	△ T901	1-439-550-11	TRANSFORMER, POWER (EXCEPT US,CND,E2)		
R308	1-247-804-11	CARBON	75	5% 1/4W (EXCEPT AEP,UK)	△ T901	1-439-553-11	TRANSFORMER, POWER (E2)		
R309	1-247-804-11	CARBON	75	5% 1/4W (EXCEPT AEP,UK)	△ T901	1-439-611-11	TRANSFORMER, POWER (US,CND)		
R310	1-247-831-11	CARBON	1K	5% 1/4W (EXCEPT AEP,UK)	TN1	1-693-577-13	TUNER PACK (ANTENNA) (US,CND,E2,AR)		
					TN1	1-693-578-21	TUNER PACK (ANTENNA) (AEP,UK)		
					TN1	1-693-580-24	TUNER PACK (ANTENNA) (AUS,KR,SP,MY)		

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Ref. No.	Part No.	Description	Remark
		ACCESSORIES	

	1-477-204-51	REMOTE COMMANDER (RM-U306B)	
	1-501-374-12	ANTENNA, LOOP (AM)	
	1-501-807-12	ANTENNA (FM) (EXCEPT US,CND,E2)	
△	1-569-008-22	ADAPTOR, CONVERSION 2P (E2)	
△	1-770-019-51	ADAPTOR, CONVERSION PLUG (UK)	
	1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM)	
		(US,CND,E2)	
	4-228-696-01	COVER, BATTERY (for RM-U306B)	
	4-252-271-11	MANUAL, INSTRUCTION (ENGLISH)	
		(EXCEPT KR)	
	4-252-271-21	MANUAL, INSTRUCTION (FRENCH)	
		(CND,AEP,E2,SP,MY)	
	4-252-271-31	MANUAL, INSTRUCTION (SPANISH)	
		(AEP,E2,AR,SP,MY)	
	4-252-271-41	MANUAL, INSTRUCTION (GERMAN,DUTCH,	
		SWEDISH) (AEP)	
	4-252-271-51	MANUAL, INSTRUCTION (ITALIAN,POLISH)	
		(AEP)	
	4-252-271-61	MANUAL, INSTRUCTION	
		(TRADITIONAL CHINESE)	
		(SP,MY)	
	4-252-271-71	MANUAL, INSTRUCTION (KOREAN) (KR)	
	4-255-413-11	MANUAL, INSTRUCTION (DANISH,FINNISH)	
		(AEP)	
	4-255-413-21	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)	
	4-255-413-31	MANUAL, INSTRUCTION (RUSSIAN) (AEP)	

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