

# TA-VA777ES

## SERVICE MANUAL

AEP Model  
UK Model



Manufactured under license from Dolby Laboratories Licensing Corporation.  
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### SPECIFICATIONS

#### Audio section

##### POWER OUTPUT

Stereo mode 120 W + 120 W  
(8 ohms, DIN 1 kHz)  
100 W + 100 W  
(4 ohms, DIN 1 kHz)  
100 W + 100 W  
(8 ohms, THD 0.05%  
20 – 20 kHz)  
90 W + 90 W  
(4 ohms, THD 0.05%  
20 – 20 kHz)

##### Surround mode

Front: 120 W + 120 W  
Center<sup>a)</sup>: 120 W  
Rear<sup>a)</sup>: 120 W + 120 W  
(8 ohms, DIN 1 kHz)  
Front: 100 W + 100 W  
Center<sup>a)</sup>: 100 W  
Rear<sup>a)</sup>: 100 W + 100 W  
(4 ohms, DIN 1 kHz)

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

##### Frequency response

PHONO:  
20 Hz ~ 20 kHz  
RIAA  $\pm 0.5$  dB  
LINE (TUNER, CD,  
MD/DAT, TAPE,  
DVD, TV/LD,  
VIDEO 1, 2, and  
VIDEO 3):  
10 Hz ~ 100 kHz  
 $+0.5/-2.0$  dB  
(ANALOG DIRECT)

##### Signal-to-noise ratio

DIGITAL IN: 100 dB  
(20 kHz LPF, A)  
PHONO: 86 dB\*  
(A, 5mV)  
LINE: 100 dB\*  
(20 kHz LPF, A)

\* ANALOG DIRECT

##### Inputs (Analog)

PHONO:  
Sensitivity: 4 mV  
Impedance:  
50 kilohms  
LINE (TUNER, CD,  
MD/DAT, TAPE,  
DVD, TV/LD,  
VIDEO 1, 2, and  
VIDEO 3):  
Sensitivity: 200 mV  
Impedance:  
50 kilohms

##### Inputs (Digital)

Coaxial (DVD, CD):  
Sensitivity: –  
Impedance: 75 ohms  
Optical (DVD, TV/LD,  
MD/DAT):  
Sensitivity: –  
Impedance: –

— Continued on next page —

## INTEGRATED AV AMPLIFIER



# SONY®

### Outputs (Analog)

REC OUT  
(MD/DAT, TAPE,  
VIDEO 1, 2, 3):  
Voltage: 200 mV,  
Impedance:  
1 kilohm  
PRE OUT (FRONT L/R,  
CENTER, REAR L/R,  
SUB WOOFER):  
Voltage: 2 V  
Impedance:  
1 kohms  
PHONES:  
Accepts low- and  
high-impedance  
headphones

### Outputs (Digital)

Optical (MD/DAT)

### Sampling Frequency

48 kHz

### EQ

BASS:  
99 Hz ~ 1.0 kHz  
(21 steps)  
MID:  
198 Hz ~ 10 kHz  
(37 steps)  
TREBLE:  
1.0 kHz ~ 10 kHz  
(23 steps)  
Gain levels:  
±10 dB, 0.5 dB step

### Decodable Digital Formats

Dolby Digital (AC-3),  
DTS

### Video section

**Inputs** Video: 1 Vp-p 75 ohms  
S-video:  
Y: 1 Vp-p 75 ohms  
C: 0.286 Vp-p  
75 ohms  
**Outputs** Video: 1 Vp-p 75 ohms  
S-video:  
Y: 1 Vp-p 75 ohms  
C: 0.286 Vp-p  
75 ohms

### General

#### Power requirements

230 V AC, 50/60 Hz

#### Power consumption

420 W

**AC outlets** 2 switched, total 100 W

**Dimensions** 430 × 174 × 462 mm  
including projecting  
parts and controls

#### Mass (Approx.)

24.3 kg

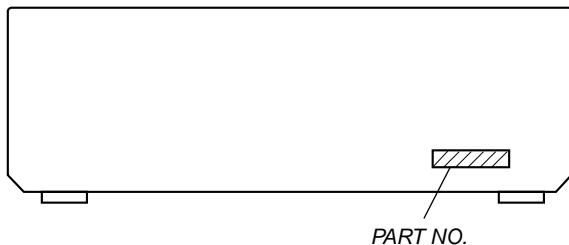
#### Supplied accessories

- Remote commander RM-TP503 (remote) (1)
- LR6 (size-AA) alkaline batteries (4)
- Coin shaped lithium battery (CR-2032) (1)

Design and specifications are subject  
to change without notice.

### MODEL IDENTIFICATION

– BACK PANEL –



MODEL	PARTS No.
AEP model	4-222-054-5□
UK model	4-222-054-6□

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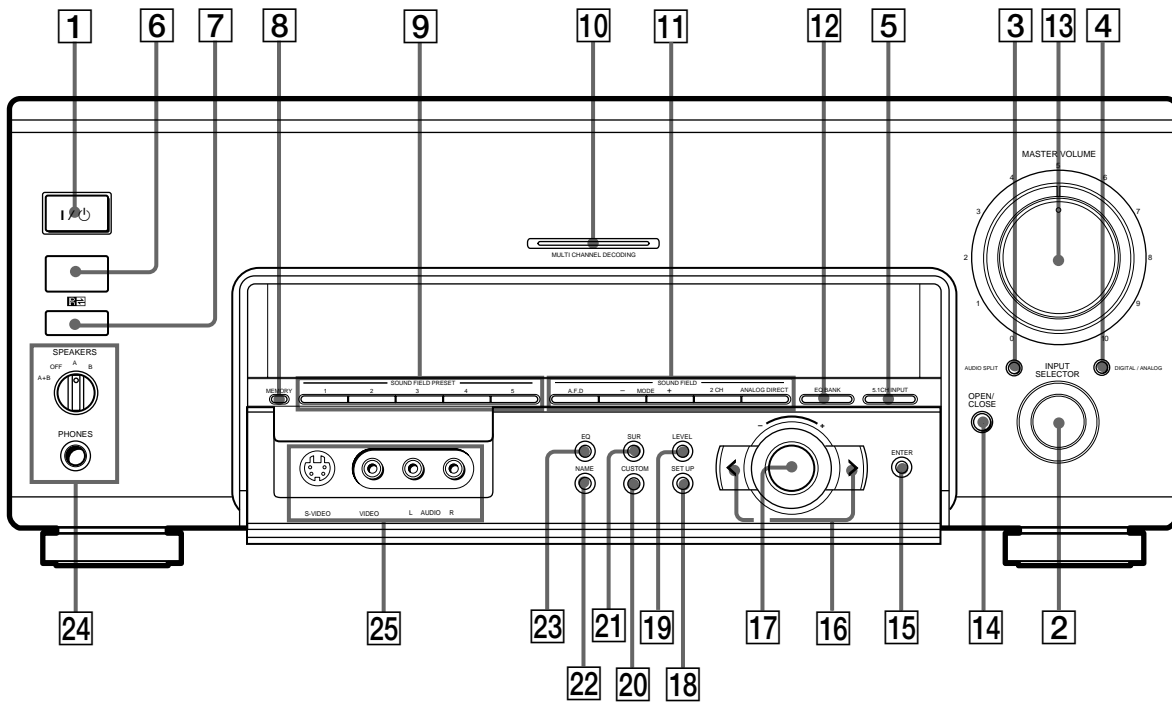
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### SAFETY-RELATED COMPONENT WARNING!!

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.

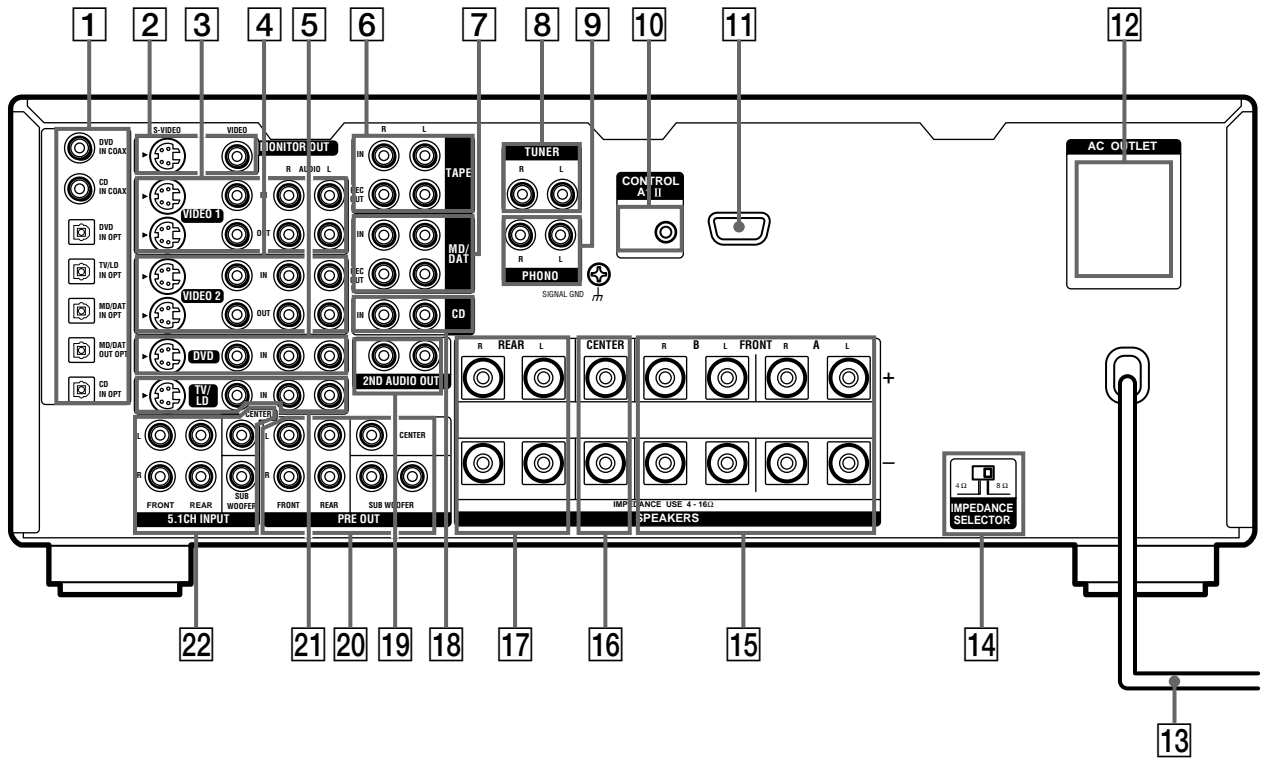
# SECTION 1 GENERAL

## FRONT PANEL SECTION



- |           |                                 |           |                        |
|-----------|---------------------------------|-----------|------------------------|
| <b>1</b>  | I/⏻ switch                      | <b>13</b> | MASTER VOLUME knob     |
| <b>2</b>  | INPUT SELECTOR knob             | <b>14</b> | OPEN/CLOSE button      |
| <b>3</b>  | AUDIO SPLIT button              | <b>15</b> | ENTER button           |
| <b>4</b>  | DIGITAL/ANALOG button           | <b>16</b> | Cursor buttons (</>)   |
| <b>5</b>  | 5.1CH INPUT button              | <b>17</b> | Jog dial               |
| <b>6</b>  | IR emitter                      | <b>18</b> | SET UP button          |
| <b>7</b>  | IR receptor                     | <b>19</b> | LEVEL button           |
| <b>8</b>  | MEMORY button                   | <b>20</b> | CUSTOM button          |
| <b>9</b>  | SOUND FIELD PRESET 1 – 5 button | <b>21</b> | SUR button             |
| <b>10</b> | MULTICHANNEL DECODING indicator | <b>22</b> | NAME button            |
| <b>11</b> | A.F.D button                    | <b>23</b> | EQ button              |
|           | MODE +/- buttons                | <b>24</b> | SPEAKERS selector knob |
|           | 2CH button                      |           | PHONES jack            |
|           | ANALOG DIRECT button            | <b>25</b> | VIDEO 3 jack           |
| <b>12</b> | EQ BANK button                  |           |                        |

## REAR PANEL SECTION



- |           |                    |           |                           |
|-----------|--------------------|-----------|---------------------------|
| <b>1</b>  | DIGITAL jack       | <b>12</b> | AC OUTLET                 |
| <b>2</b>  | MONITOR OUT jack   | <b>13</b> | Power cord                |
| <b>3</b>  | VIDEO 1 jack       | <b>14</b> | IMPEDANCE SELECTOR switch |
| <b>4</b>  | VIDEO 2 jack       | <b>15</b> | FRONT SPEAKER terminal    |
| <b>5</b>  | DVD jack           | <b>16</b> | CENTER SPEAKER terminal   |
| <b>6</b>  | TAPE jack          | <b>17</b> | REAR SPEAKER terminal     |
| <b>7</b>  | MD/DAT jack        | <b>18</b> | CD jack                   |
| <b>8</b>  | TUNER jack         | <b>19</b> | 2ND AUDIO OUT jack        |
| <b>9</b>  | PHONO jack         | <b>20</b> | PRE OUT jack              |
| <b>10</b> | CONTROL A1 II jack | <b>21</b> | TV/LD jack                |
| <b>11</b> | RS-232C            | <b>22</b> | 5.1CH INPUT jack          |

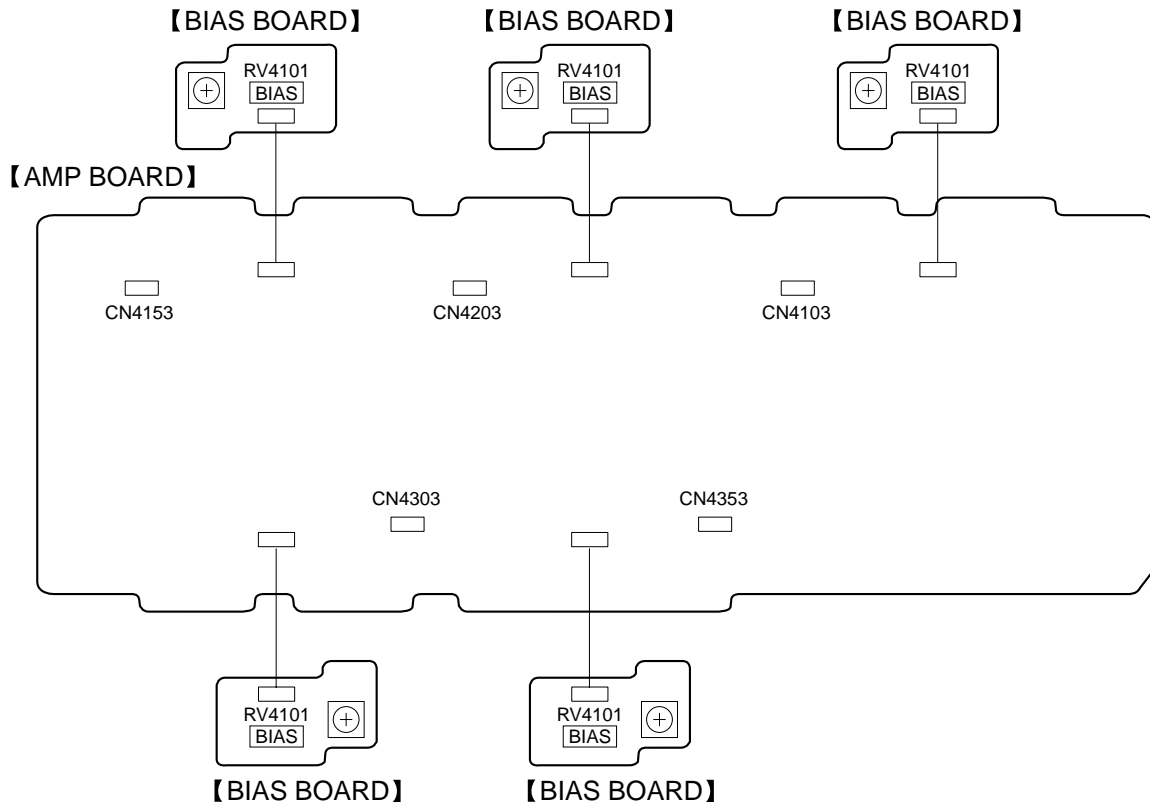
## SECTION 2 ADJUSTMENT

### Electrical adjustments

#### [BIAS adjustment]

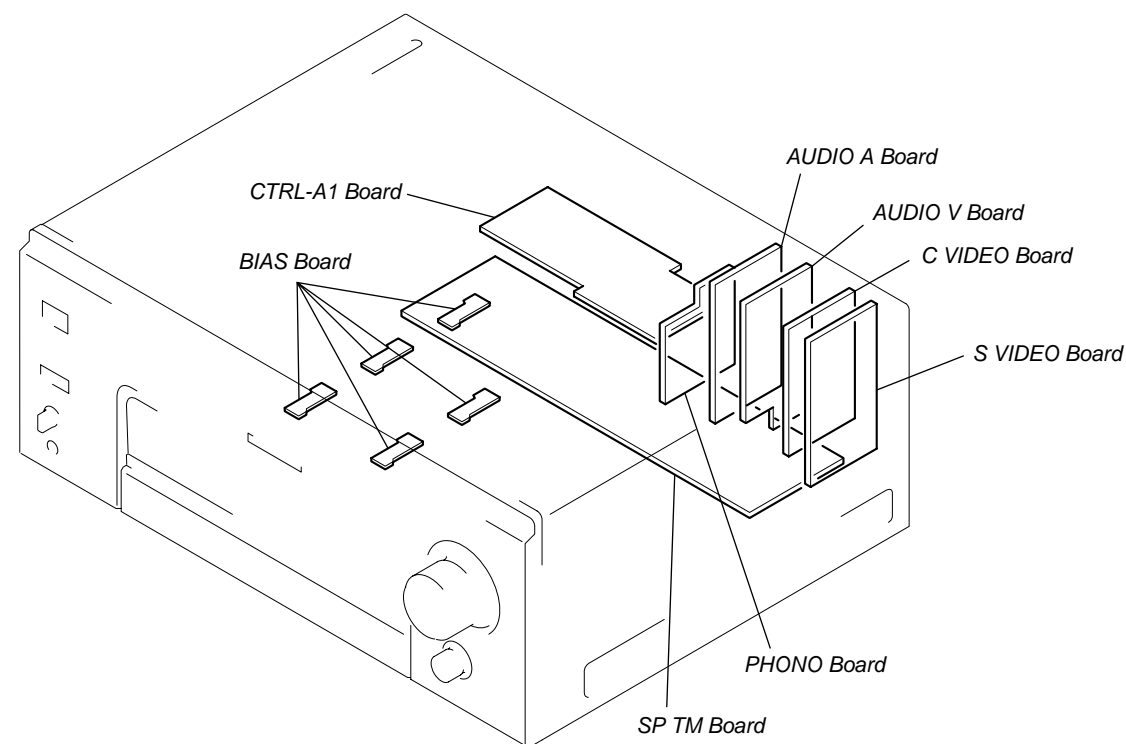
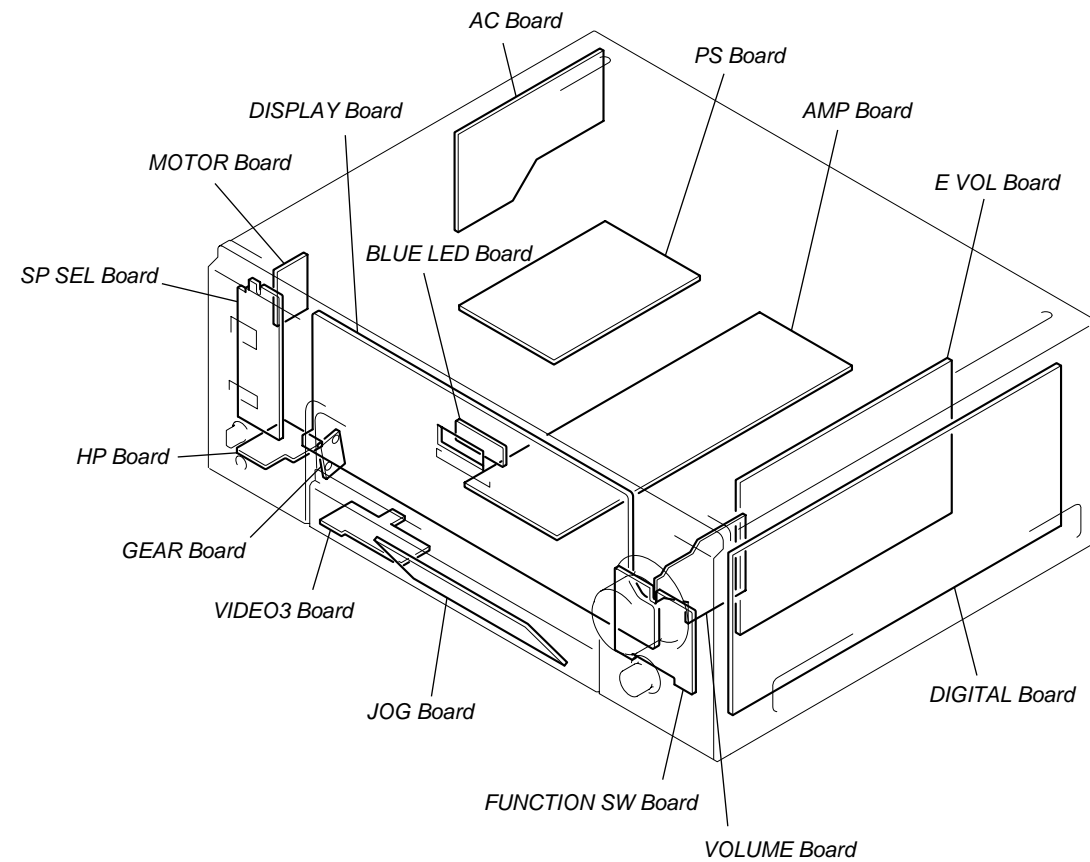
Conditions : VOLUME : MIN  
Input signal : No signal (no load)

Procedure : Adjust RV4101 on the BIAS board so that 10mV is obtained across the CN4103, CN4153, CN4203, CN4303 and CN4353 on the AMP board respectively.



## SECTION 3 DIAGRAMS

### 3-1. CIRCUIT BOARDS LOCATION



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

**For schematic diagrams.**

**Note:**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\text{pF}$  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4}\text{W}$  or less unless otherwise specified.
- % : indicates tolerance.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

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

- : B+ Line.
- : B- Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.  
No mark : FM
- Voltages are taken with a VOM (Input impedance  $10\text{M}\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
- : FM
- : CD
- : DIGITAL
- : PHONO

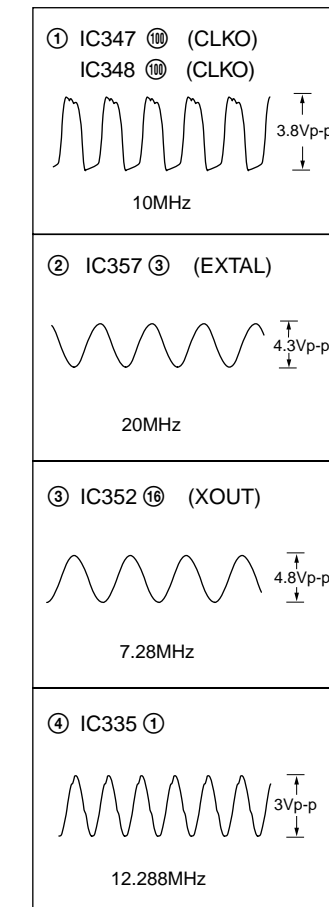
**For printed wiring boards.**

**Note:**

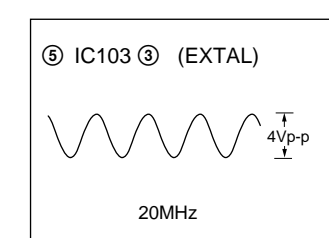
- : parts extracted from the component side.
- : Through hole.
- : Pattern from the side which enables seeing.

**Caution:**  
Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.  
Parts face side: Parts on the parts face side seen from the parts face are indicated.

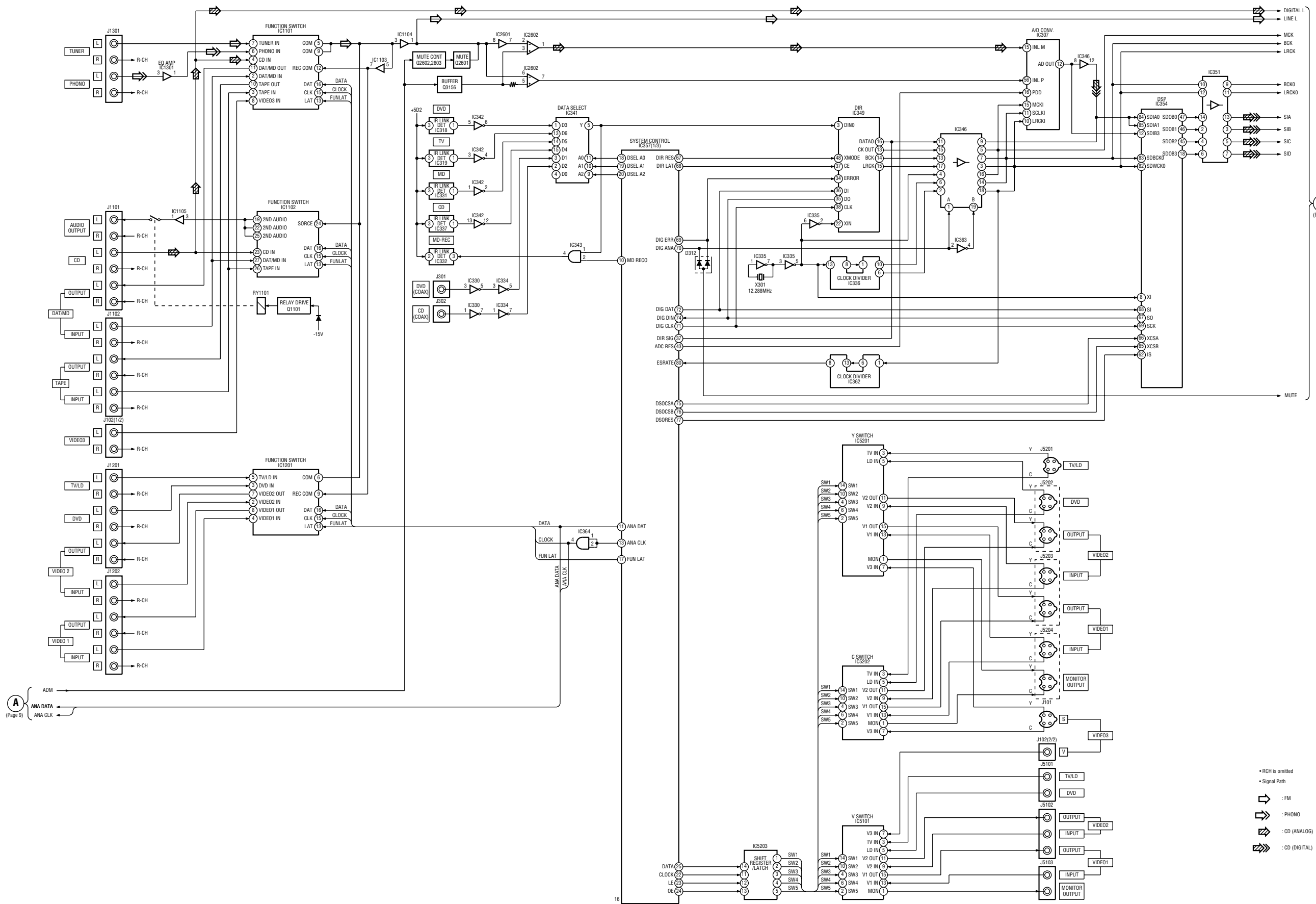
**• Waveform  
DIGITAL Board**



**DISPLAY Board**



3-2. BLOCK DIAGRAM MAIN SECTION



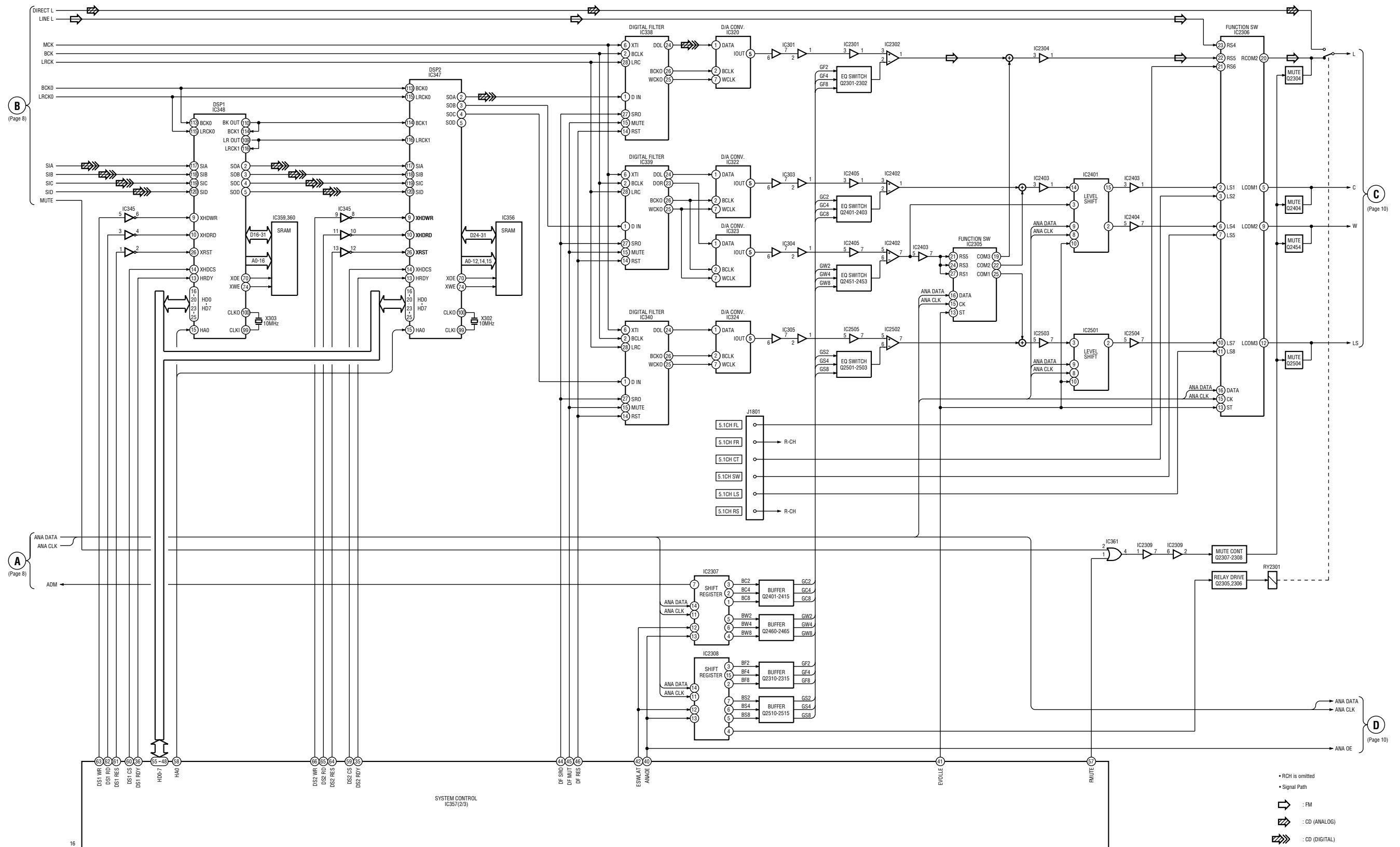
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- RCH is omitted
- Signal Path
- ◻ : FM
- ◻ : PHONO
- ◻ : CD (ANALOG)
- ◻ : CD (DIGITAL)



3-3. BLOCK DIAGRAM DIGITAL SECTION



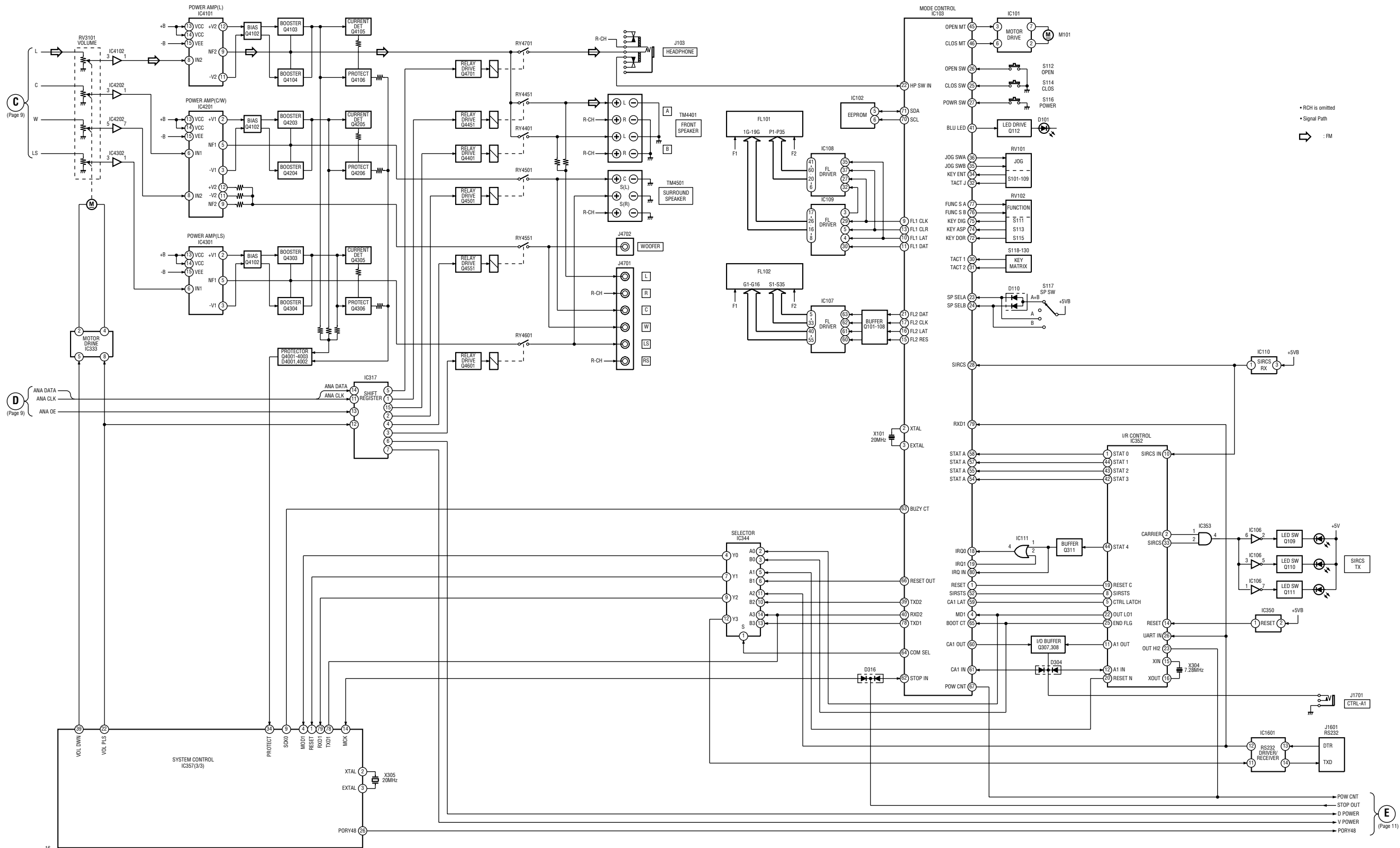
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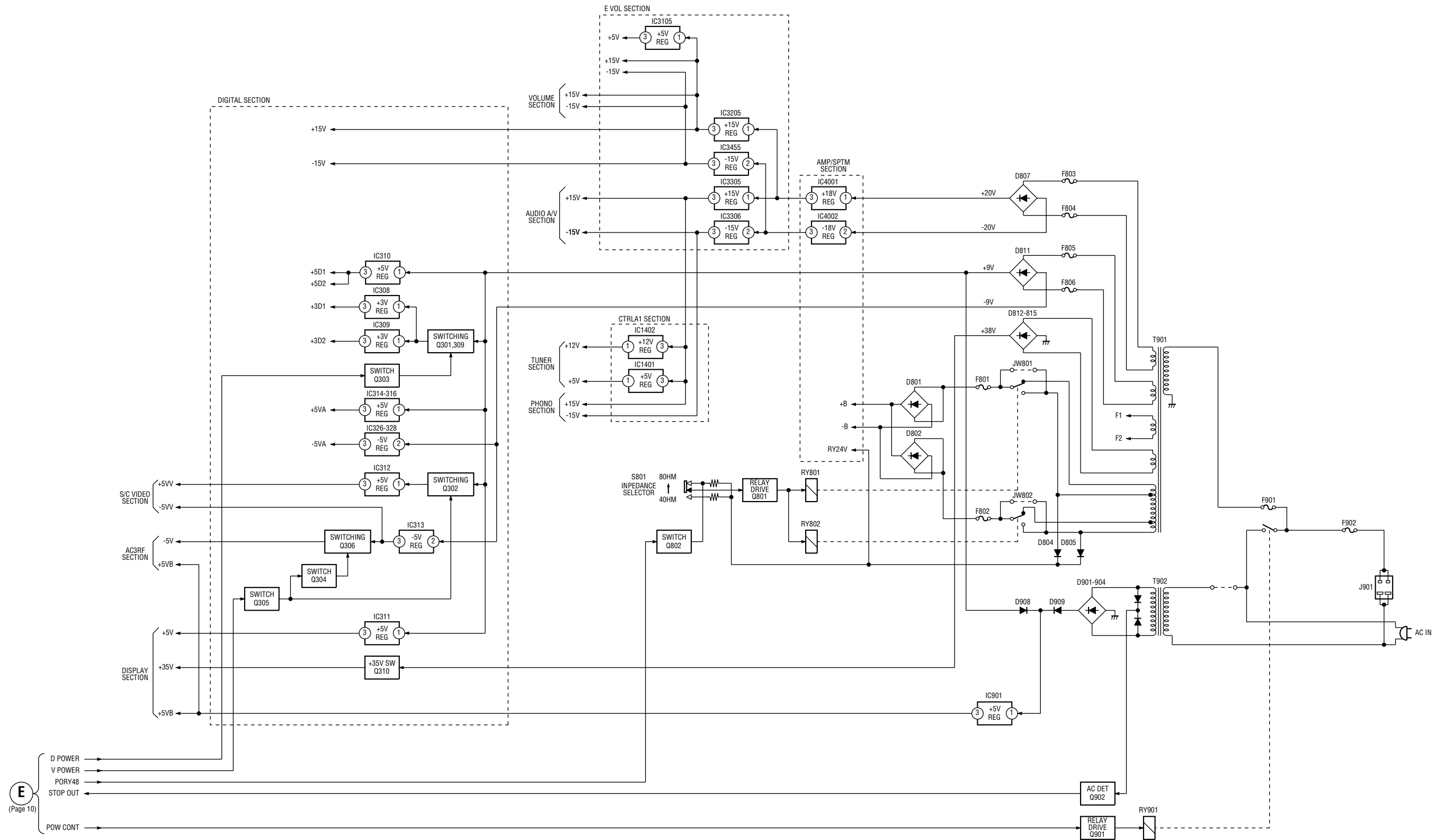
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3-4. BLOCK DIAGRAM CONTROL SECTION



3-5. BLOCK DIAGRAM POWER SECTION

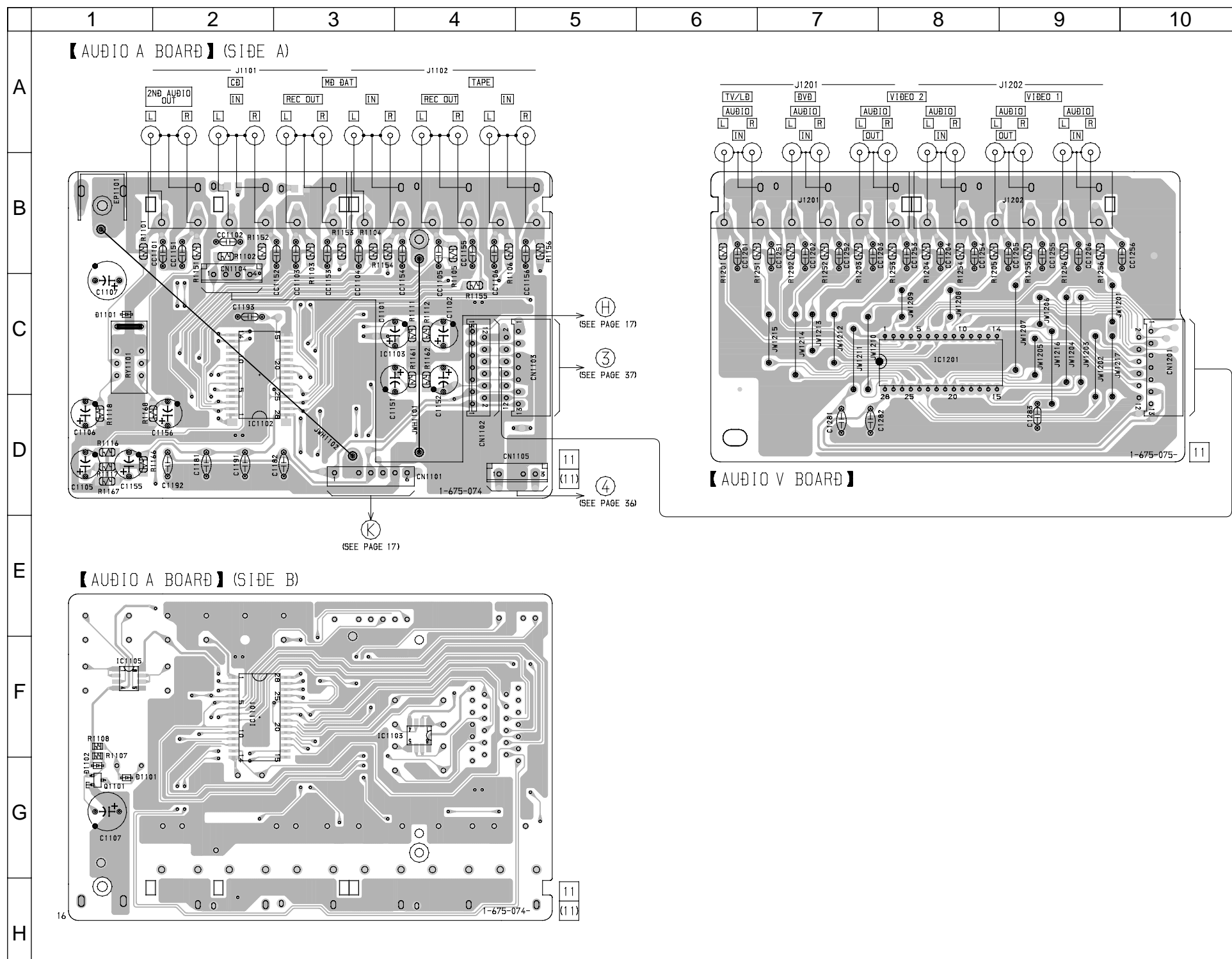


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(Page 10)

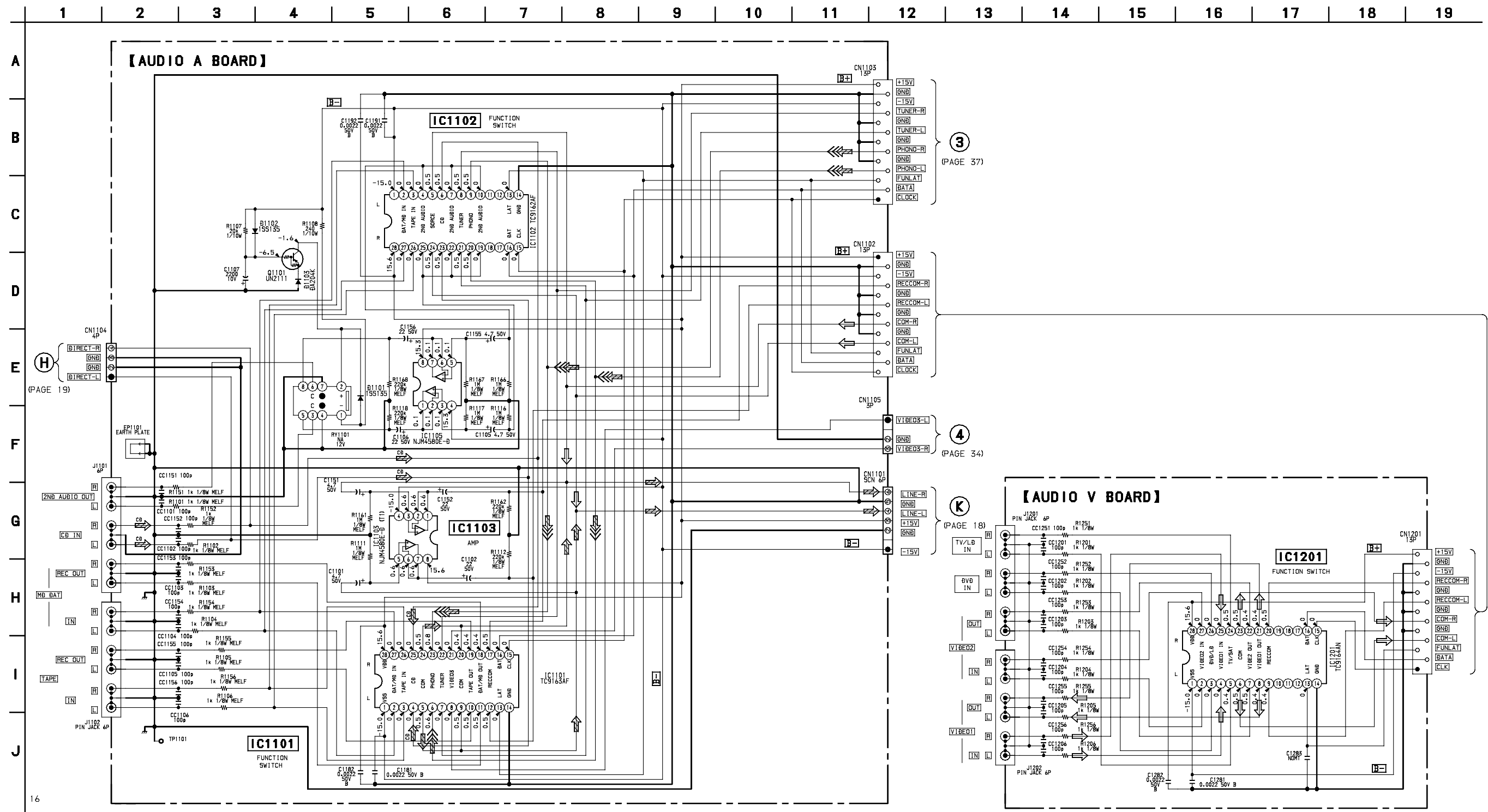
3-6. PRINTED WIRING BOARD AUDIO SECTION • See page 7 for Circuit Boards Location.

• Semiconductor Location

Ref. No.	Location
D1101	G-1
D1102	F-1
IC1101	F-2
IC1102	D-2
IC1103	F-4
IC1105	F-1
IC1201	C-8
Q1101	G-1



3-7. SCHEMATIC DIAGRAM AUDIO SECTION • See page 43,44 for IC Block Diagrams.



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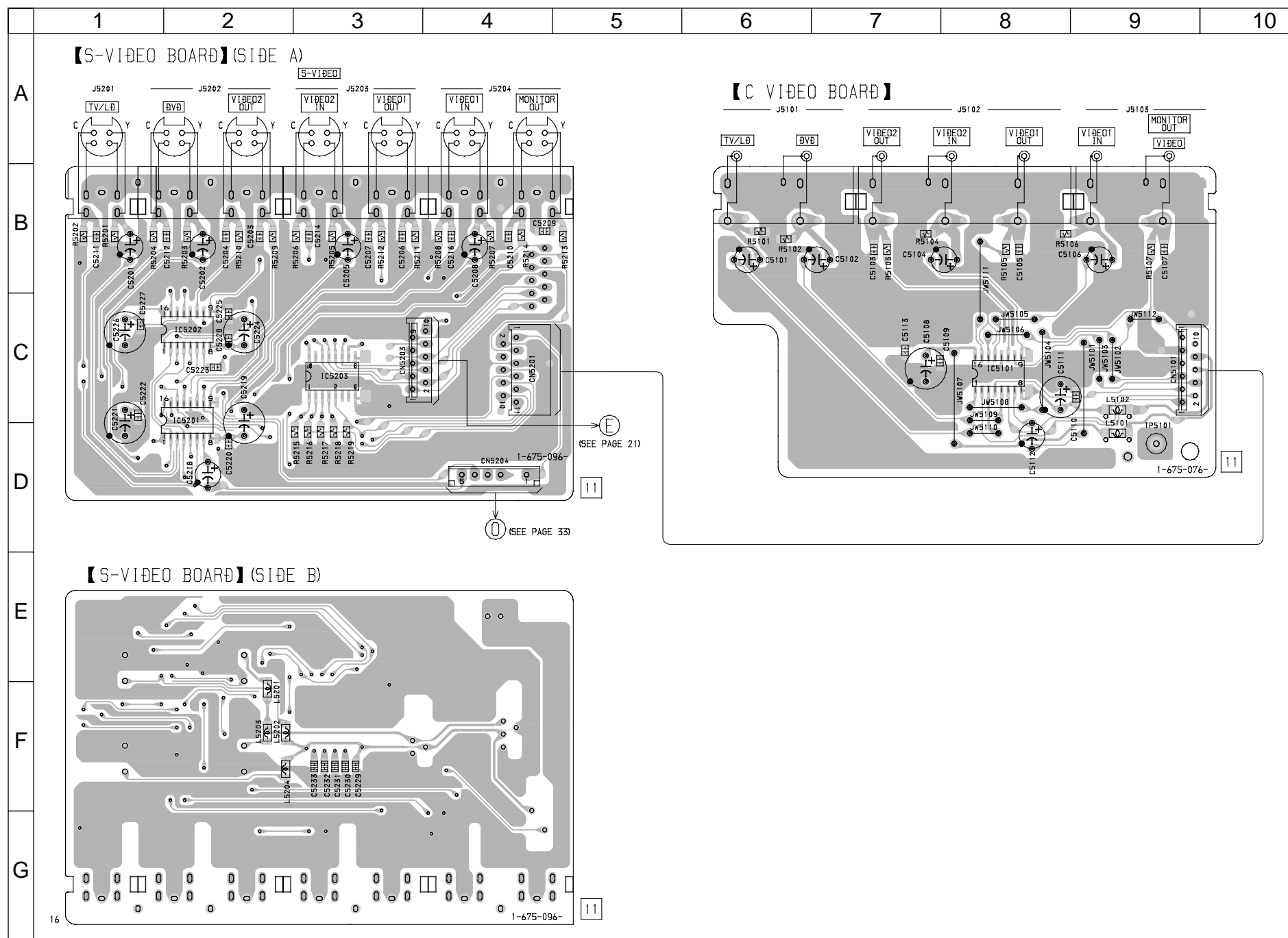
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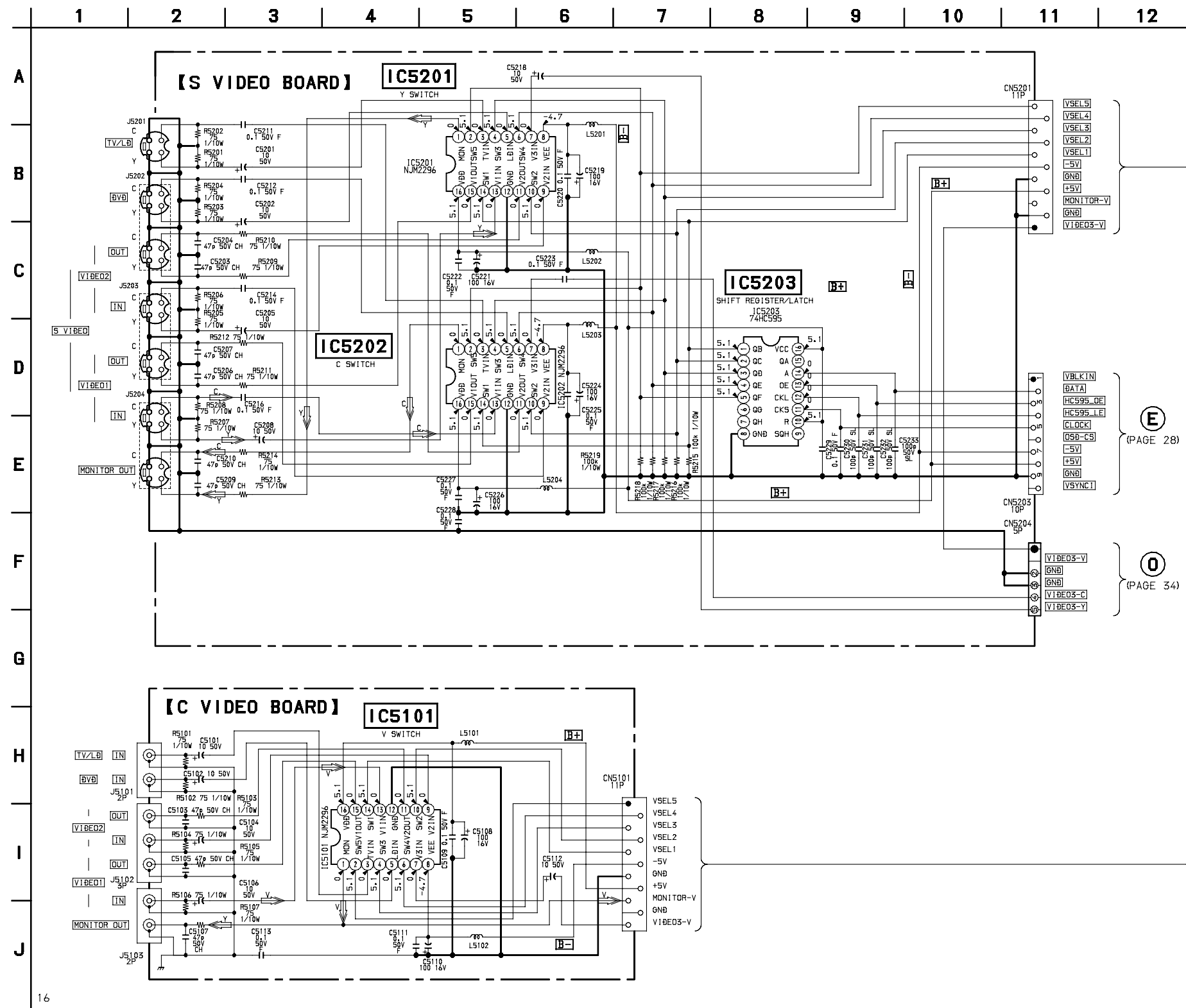
3-8. PRINTED WIRING BOARD VIDEO SECTION • See page 7 for Circuit Boards Location.

• Semiconductor Location

Ref. No.	Location
IC5101	C-8
IC5201	C-2
IC5202	C-2
IC5203	C-3



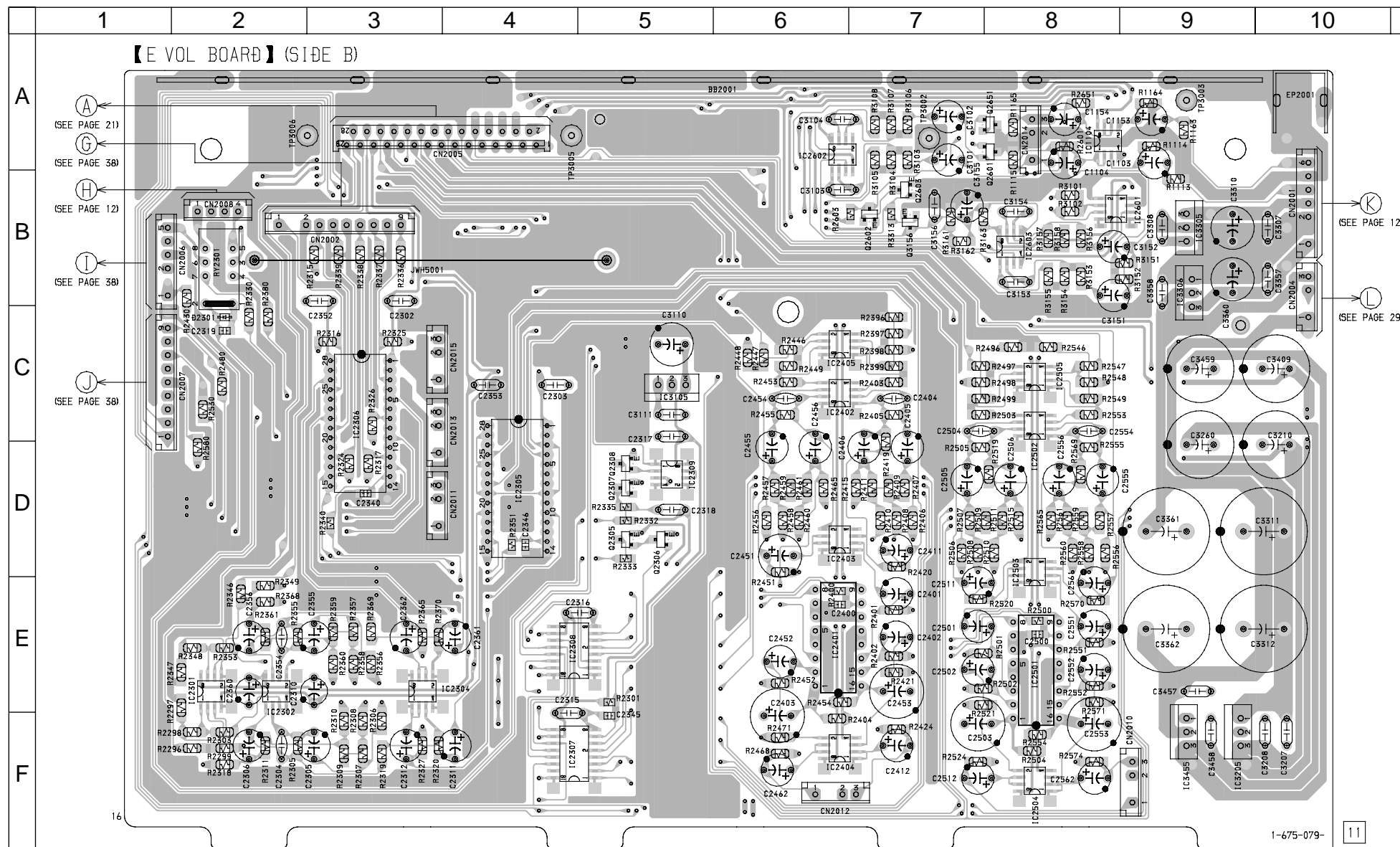
3-9. SCHEMATIC DIAGRAM VIDEO SECTION • See page 44,45 for IC Block Diagrams.





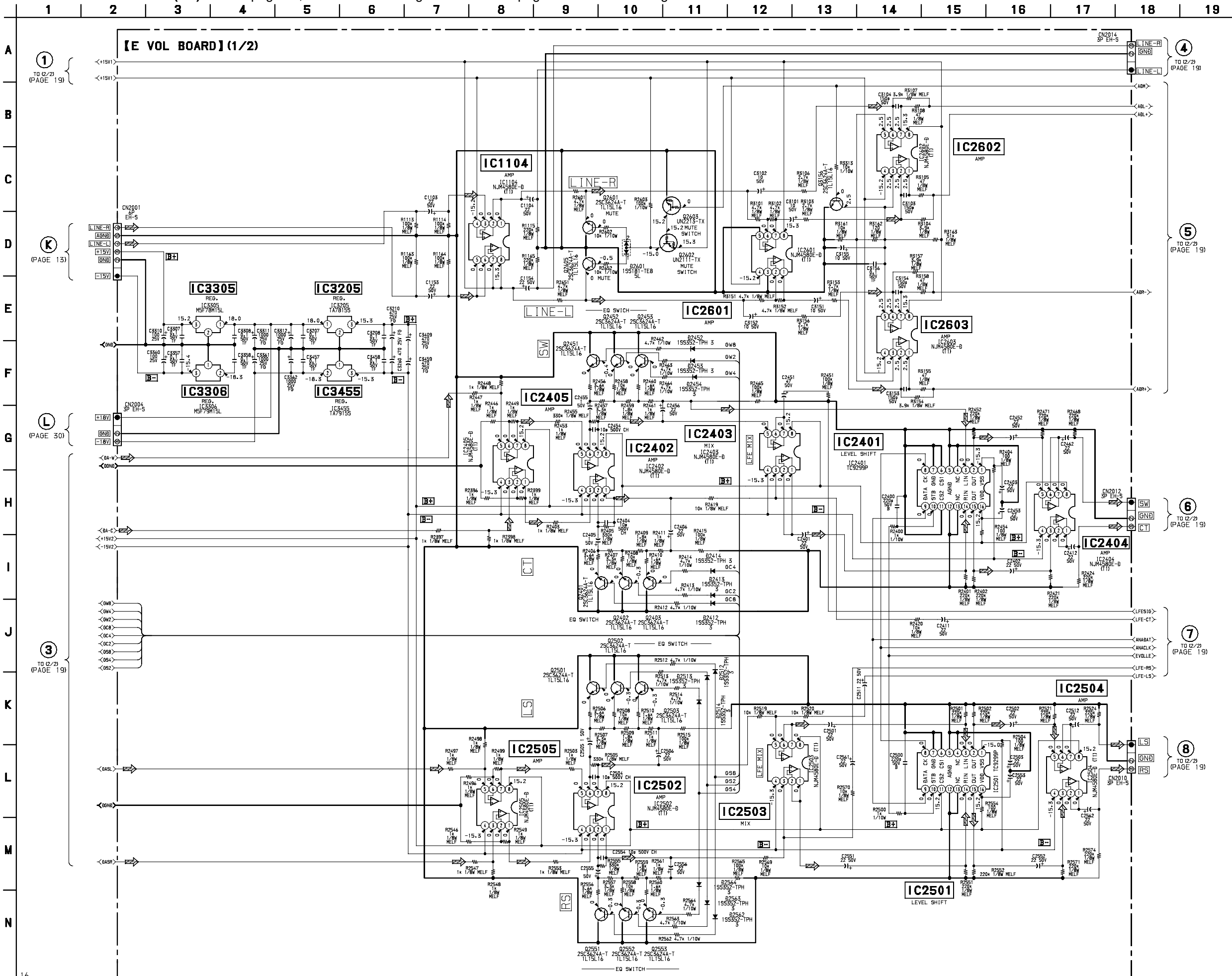


3-11. PRINTED WIRING BOARD VOLUME SECTION(SIDE B) • See page 7 for Circuit Boards Location.



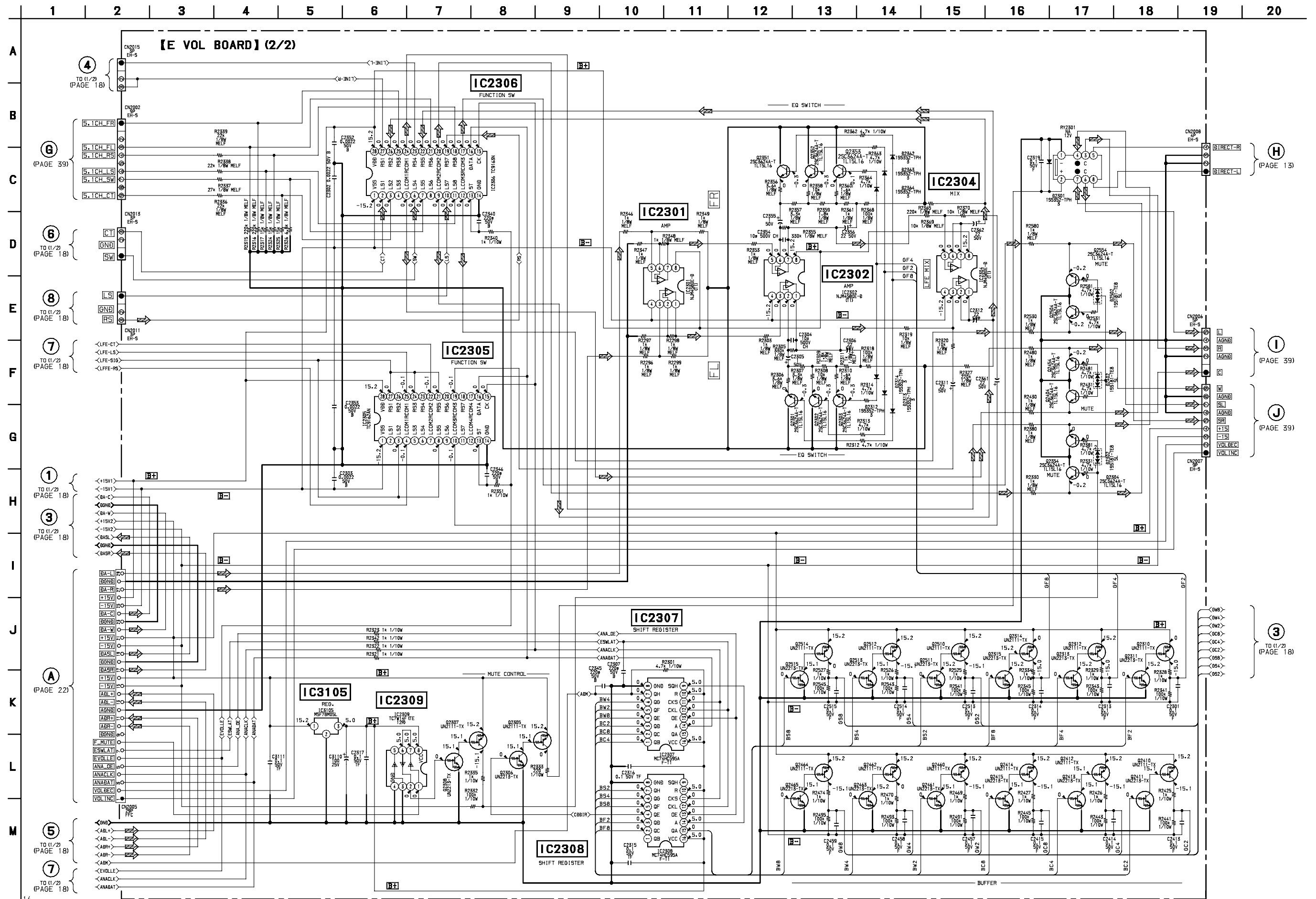
• Semiconductor Location

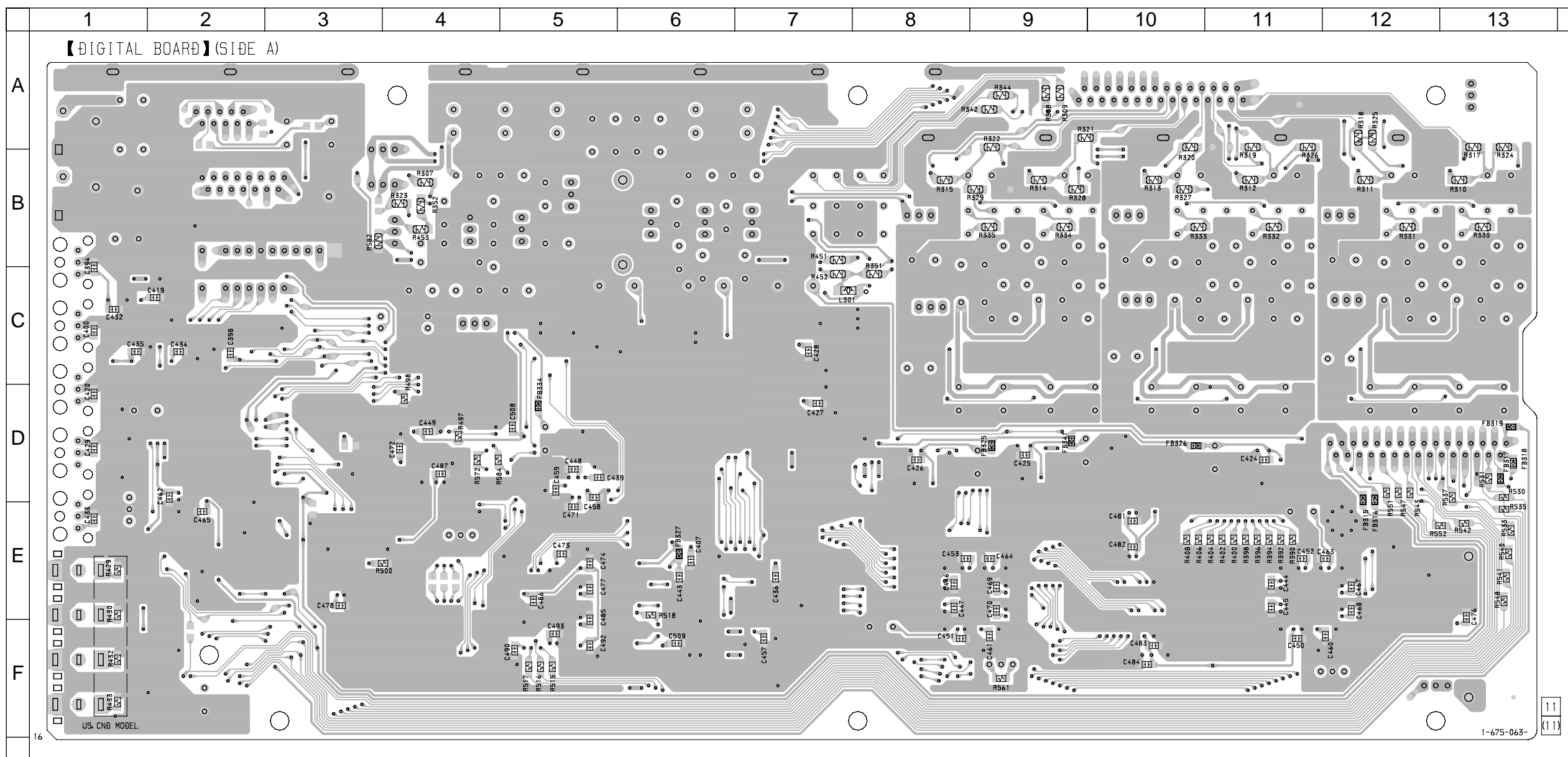
Ref. No.	Location
D2301	C-2
IC1104	A-8
IC2301	E-2
IC2302	E-2
IC2304	E-3
IC2305	D-4
IC2306	C-3
IC2307	F-4
IC2308	E-4
IC2309	D-5
IC2401	E-6
IC2402	C-6
IC2403	D-6
IC2404	F-6
IC2405	C-6
IC2501	E-8
IC2502	C-8
IC2503	D-8
IC2504	F-8
IC2505	C-8
IC2601	B-8
IC2602	A-6
IC2603	A-8
IC3105	C-5
IC3205	E-9
IC3305	B-9
IC3306	B-9
IC3455	E-9
Q2305	D-5
Q2306	D-5
Q2307	D-5
Q2308	D-5
Q2601	A-7
Q2602	B-6
Q2603	B-7
Q2651	A-7
Q3156	B-7



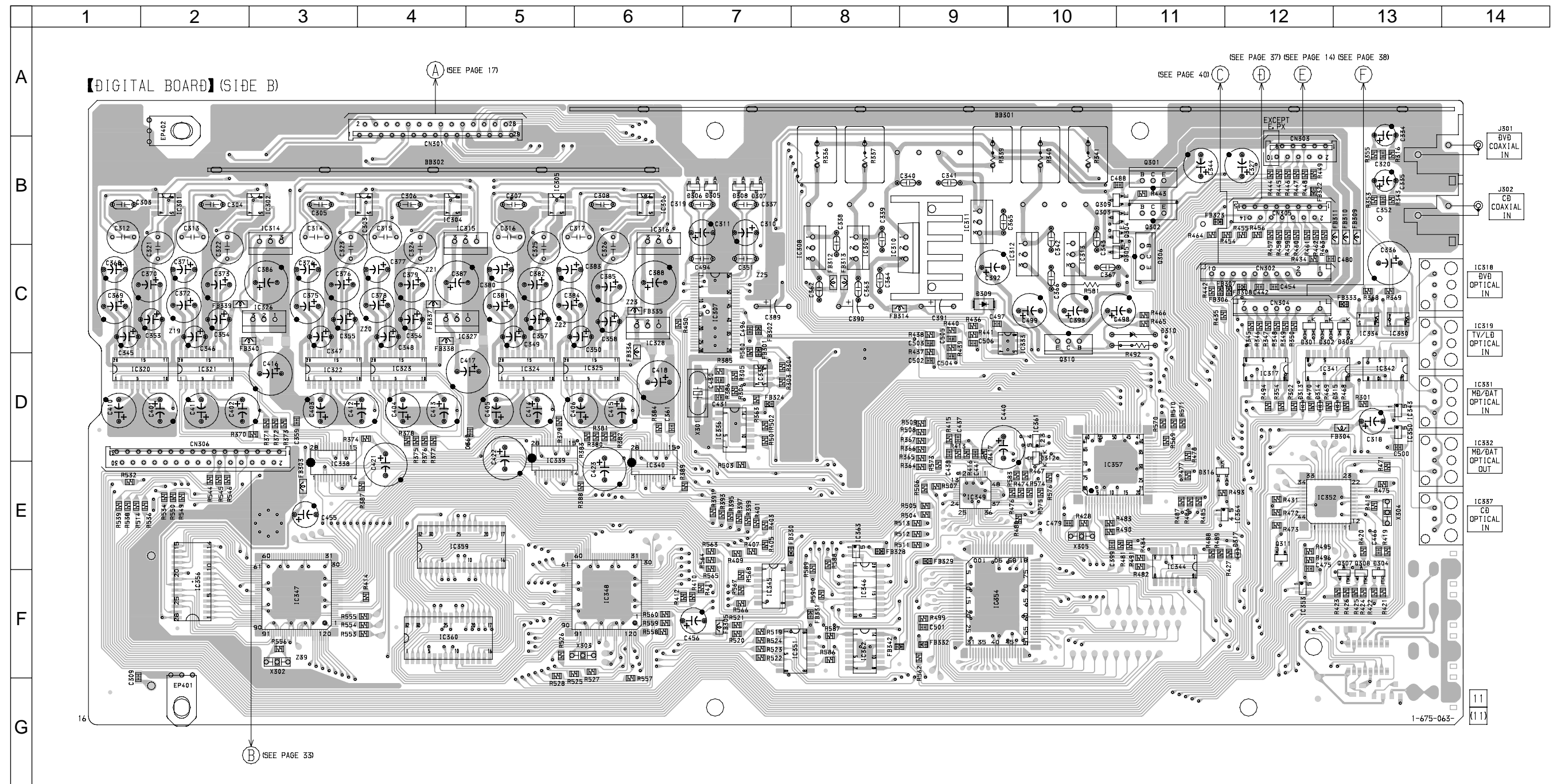
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3-13. SCHEMATIC DIAGRAM VOLUME SECTION(2/2) • See page 16,17 for Printed Wiring Boards. • See page 43,44 for IC Block Diagrams.



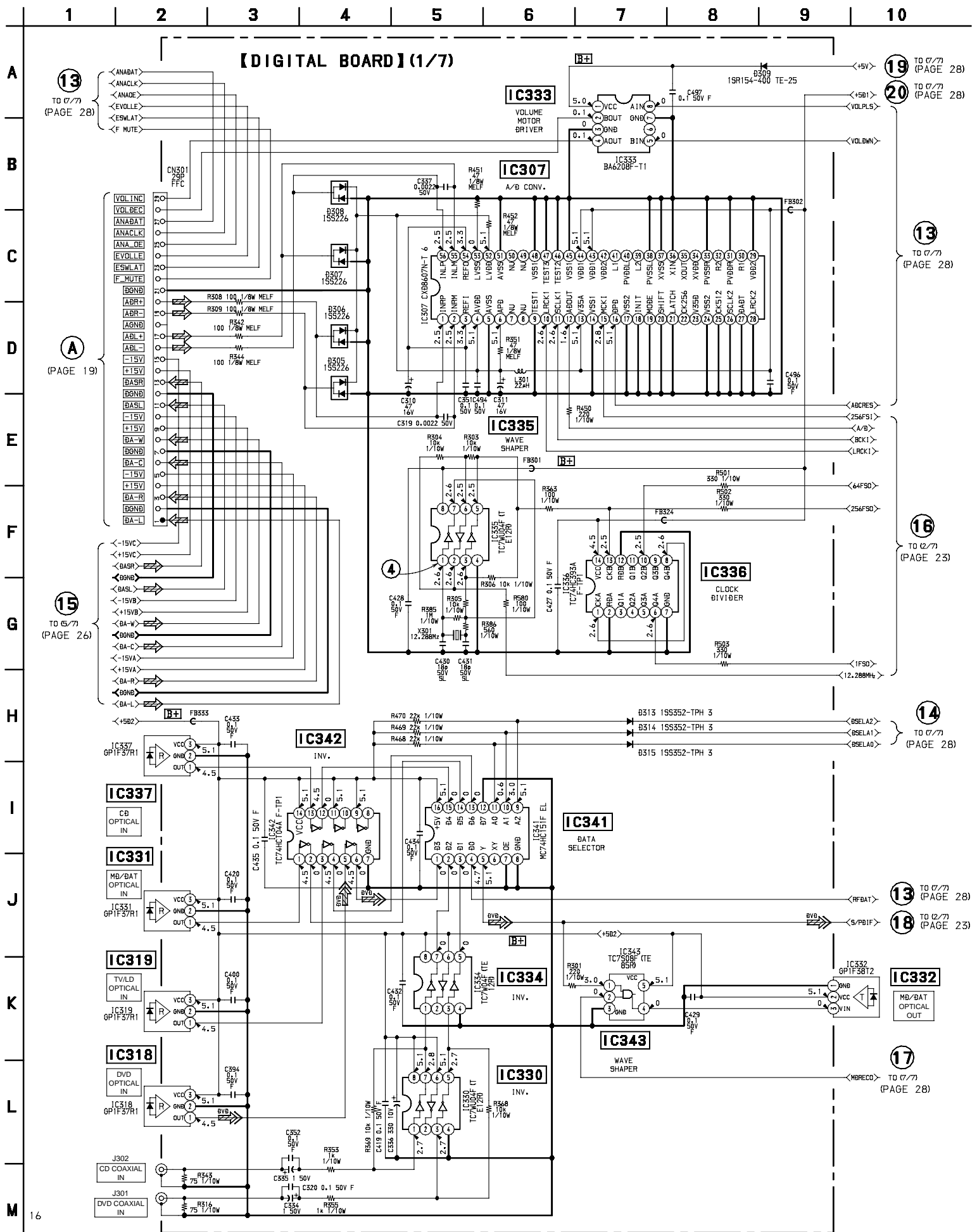


3-15. PRINTED WIRING BOARD DIGITAL SECTION(SIDE B) • See page 7 for Circuit Boards Location.

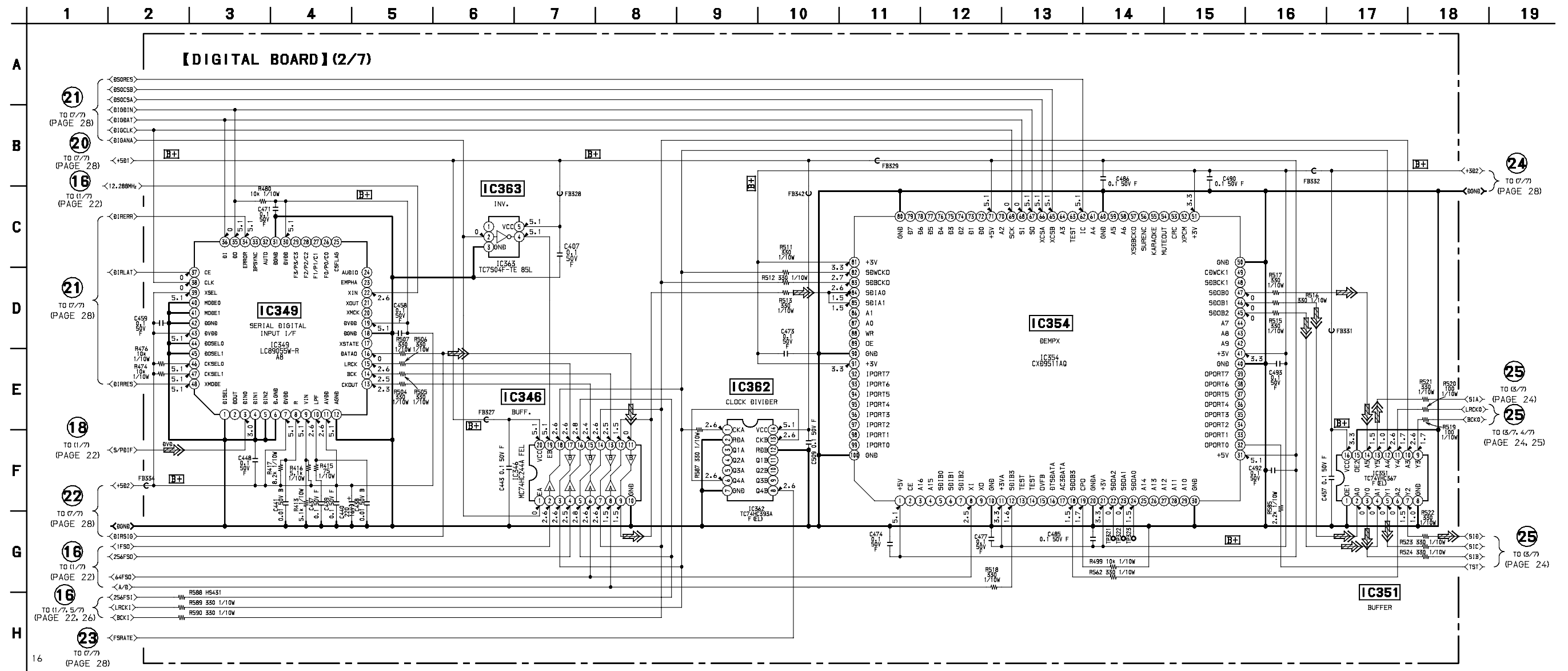


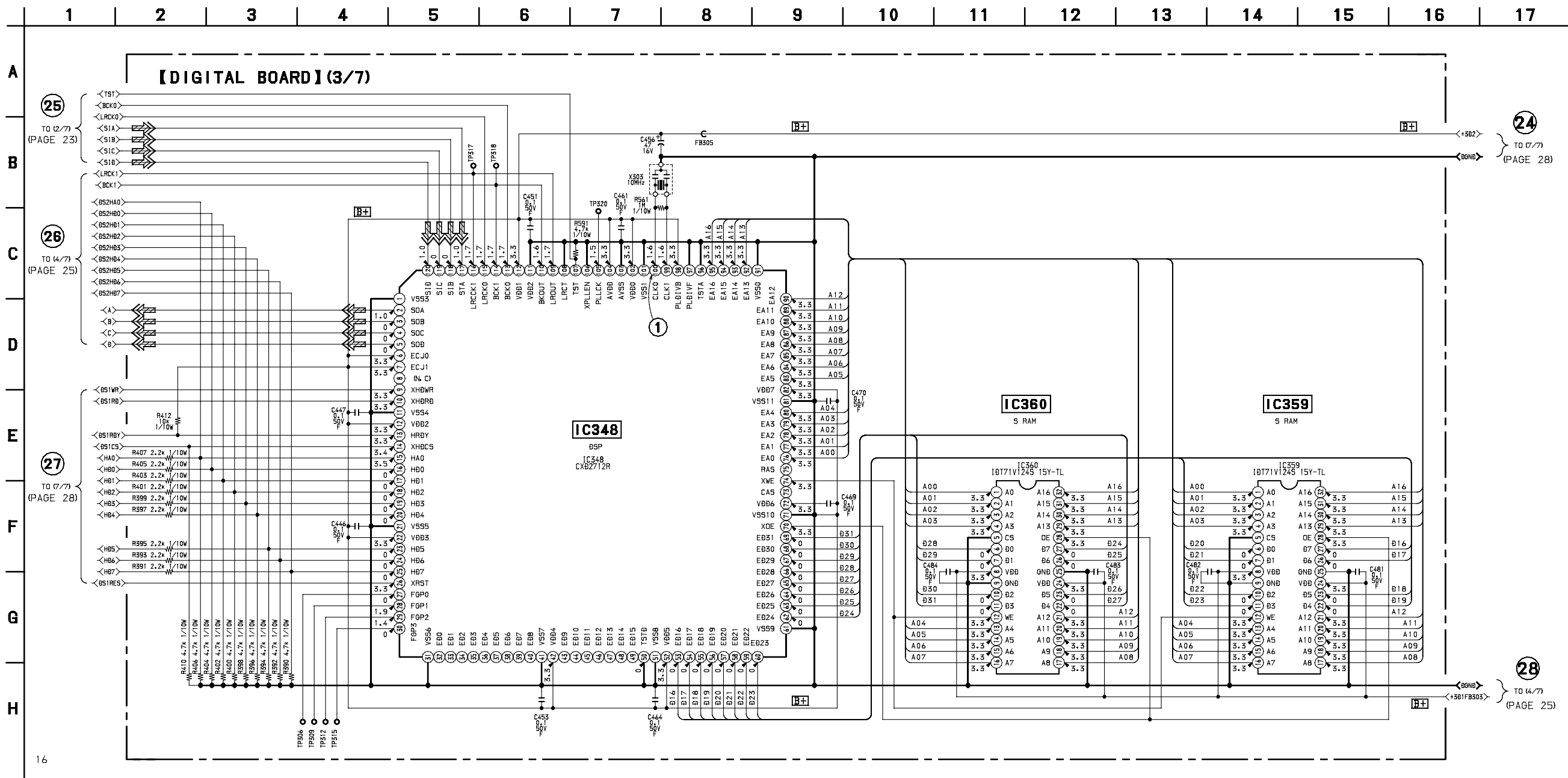
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D301	C-12	IC301	B-1	IC317	C-12	IC334	C-13	IC350	D-13	Q301	B-11
D302	C-12	IC302	B-2	IC318	C-13	IC335	C-7	IC351	F-7	Q302	B-11
D303	C-12	IC303	B-3	IC319	C-13	IC336	D-7	IC352	E-12	Q303	B-10
D304	E-13	IC304	B-4	IC320	C-1	IC337	E-13	IC353	E-12	Q304	B-10
D305	B-6	IC305	B-5	IC321	C-2	IC338	D-3	IC354	F-9	Q305	B-10
D306	B-6	IC306	B-6	IC322	C-3	IC339	D-5	IC355	E-2	Q306	B-11
D307	B-7	IC307	C-7	IC323	C-4	IC340	D-6	IC357	D-10	Q307	E-12
D308	B-7	IC308	B-7	IC324	C-5	IC341	C-12	IC358	F-13	Q308	E-13
D309	C-9	IC309	B-8	IC325	C-5	IC342	C-13	IC359	E-4	Q309	B-10
D310	C-11	IC310	B-8	IC326	C-2	IC343	D-13	IC360	F-4	Q310	C-10
D312	D-10	IC311	B-9	IC327	C-4	IC344	E-11	IC361	D-10	Q311	E-12
D313	D-12	IC312	B-9	IC328	C-6	IC345	E-7	IC362	F-8	Q312	F-13
D314	D-12	IC313	B-10	IC330	C-13	IC346	E-8	IC363	E-8	Q313	F-13
D315	D-12	IC314	B-2	IC331	D-13	IC347	F-3	IC364	E-11		
D316	D-11	IC315	B-4	IC332	D-13	IC348	E-6				
D317	E-11	IC316	B-6	IC333	C-9	IC349	E-9				



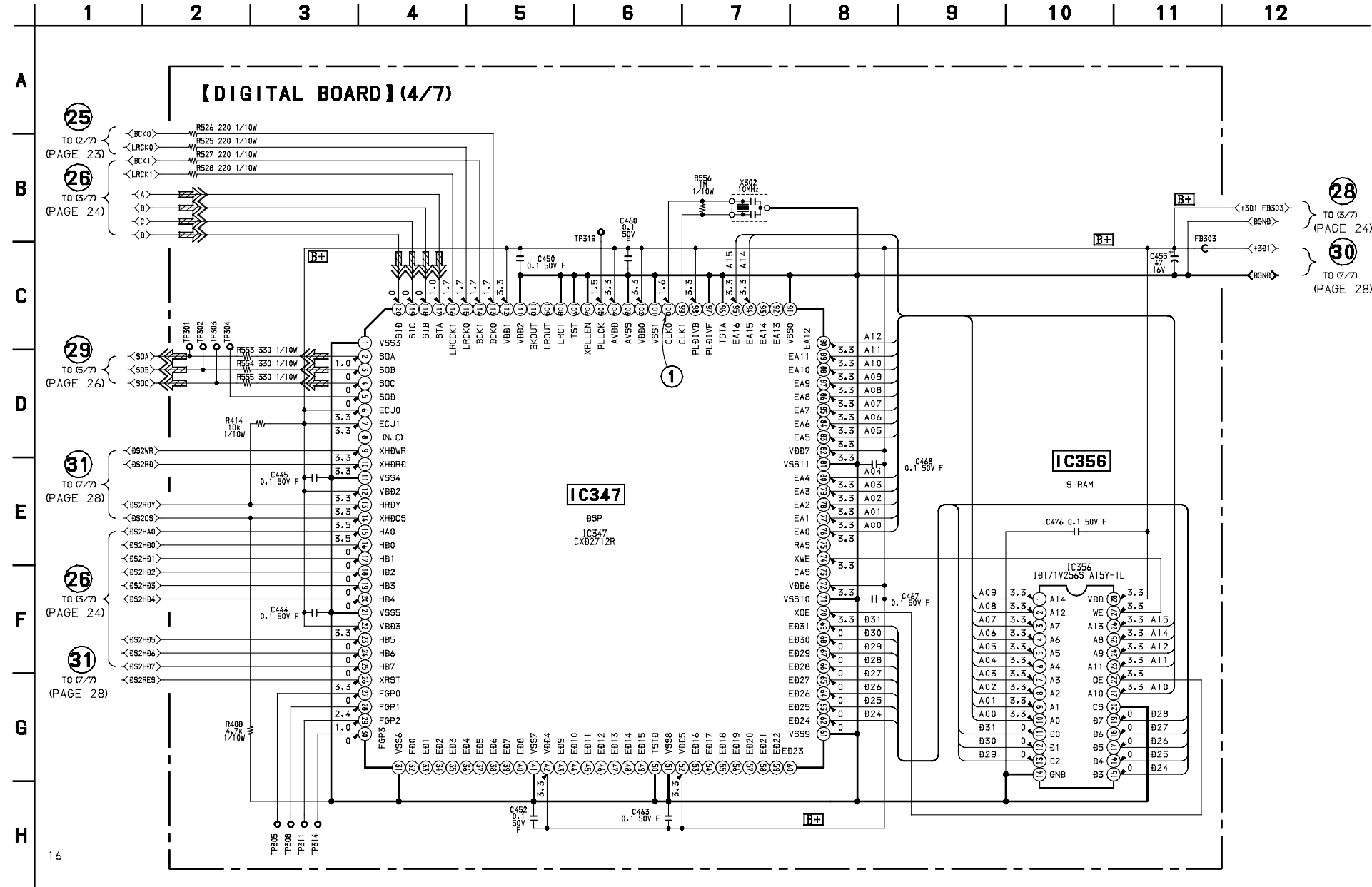
3-17. SCHEMATIC DIAGRAM DIGITAL SECTION(2/7) • See page 20,21 for Printed Wiring Boards. • See page 45 for IC Block Diagrams. • See page 51 for IC Pin Function Description.



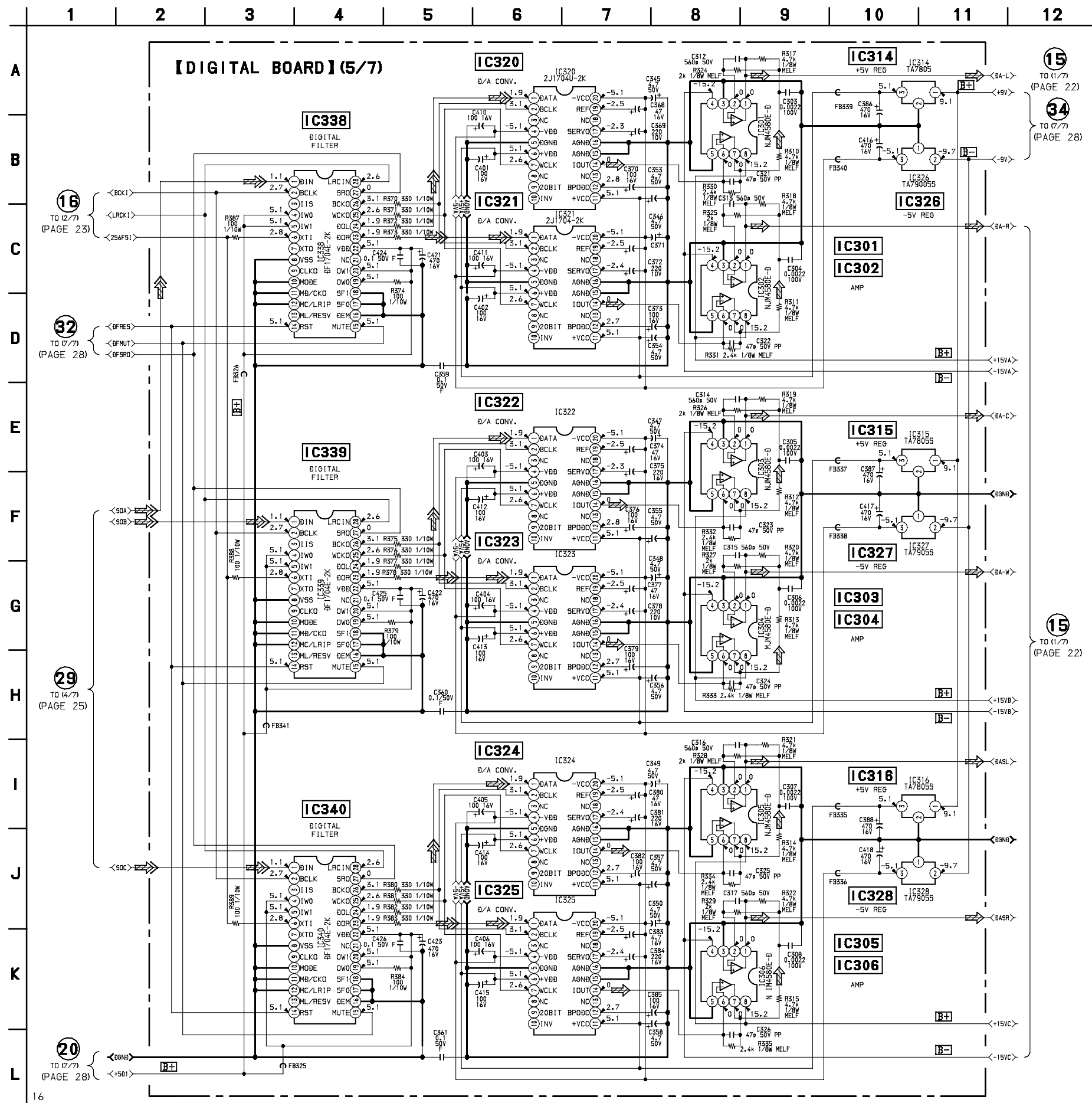




3-19. SCHEMATIC DIAGRAM DIGITAL SECTION(4/7) • See page 7 for Waveform. • See page 20,21 for Printed Wiring Boards. • See page 47 for IC Pin Function Description.



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32 TO (7/7) (PAGE 28)

29 TO (4/7) (PAGE 25)

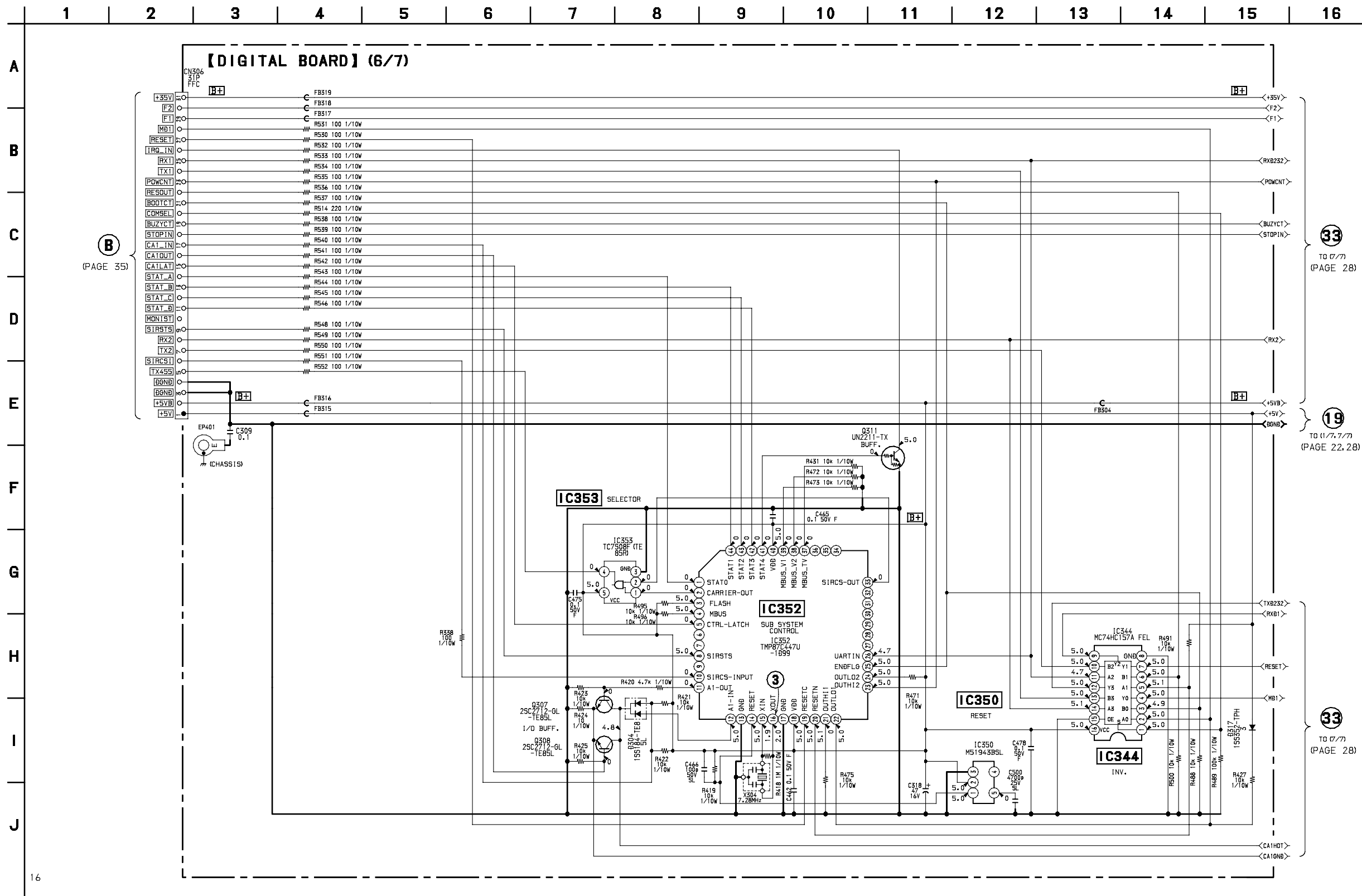
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15 TO (1/7) (PAGE 22)

34 TO (7/7) (PAGE 28)

15 TO (1/7) (PAGE 22)

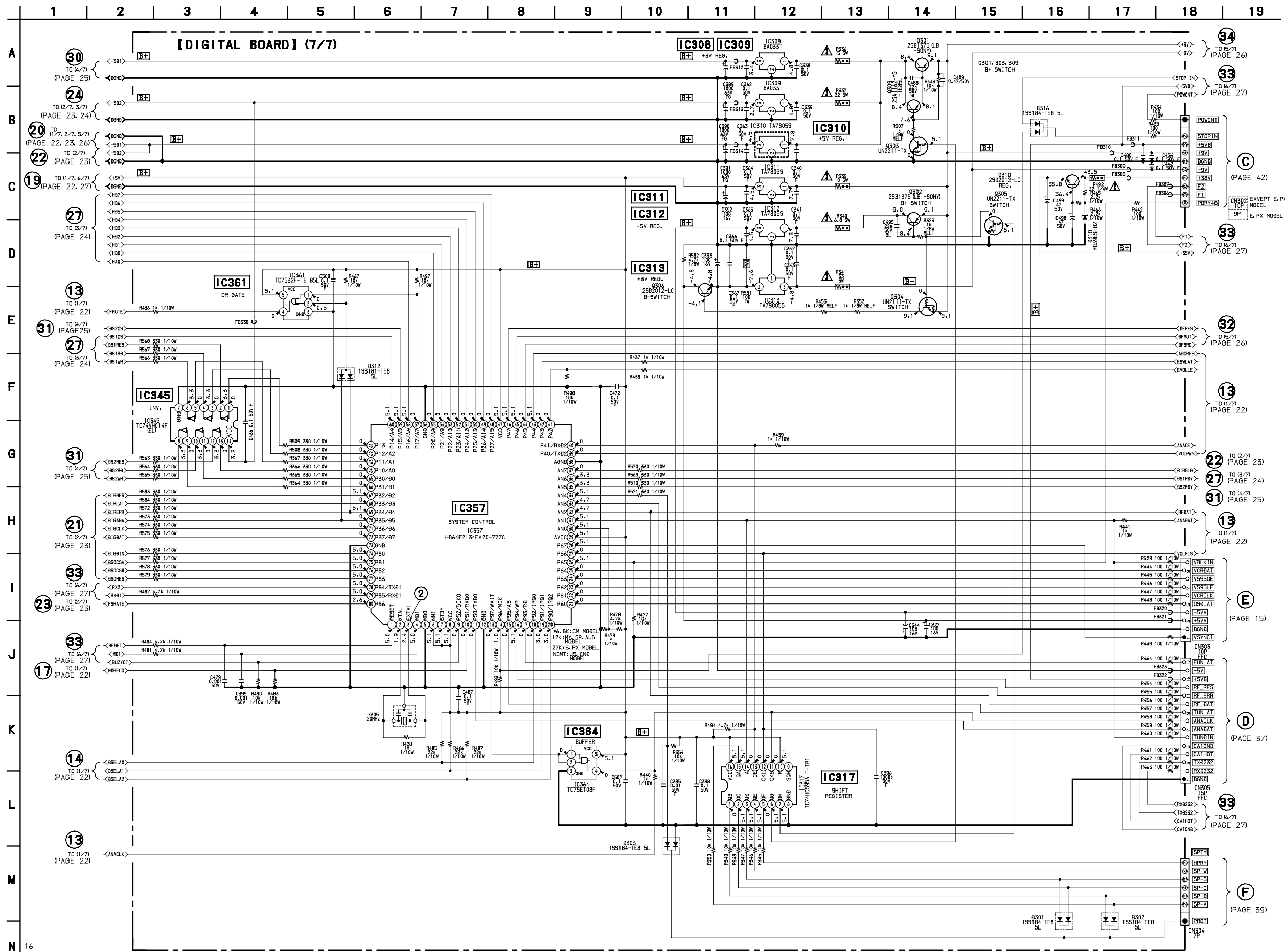
3-21. SCHEMATIC DIAGRAM DIGITAL SECTION(6/7) • See page 7 for Waveform. • See page 20,21 for Printed Wiring Boards.



33 TO (7/7) (PAGE 28)

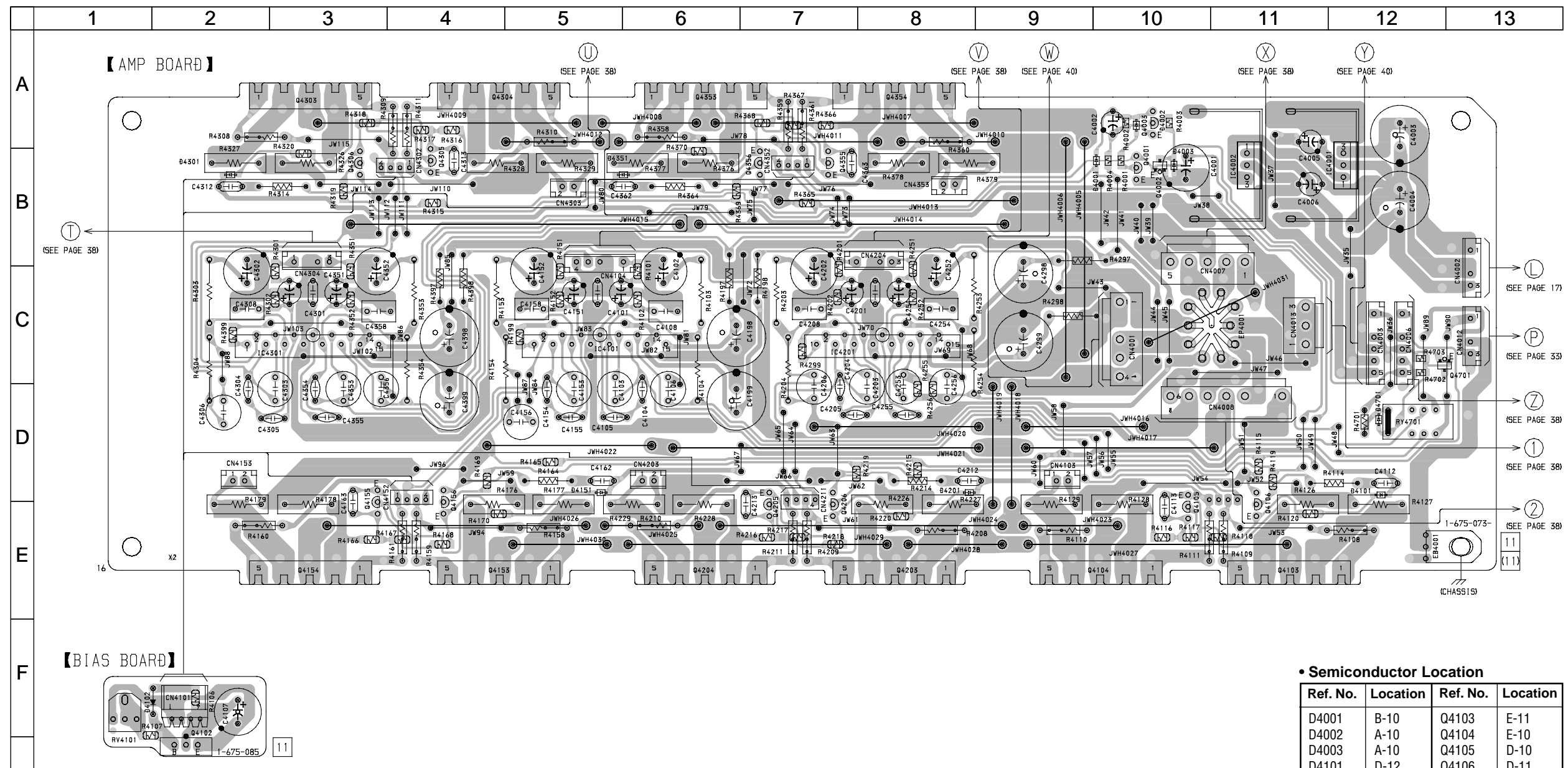
19 TO (1/7,7/7) (PAGE 22,28)

33 TO (7/7) (PAGE 28)



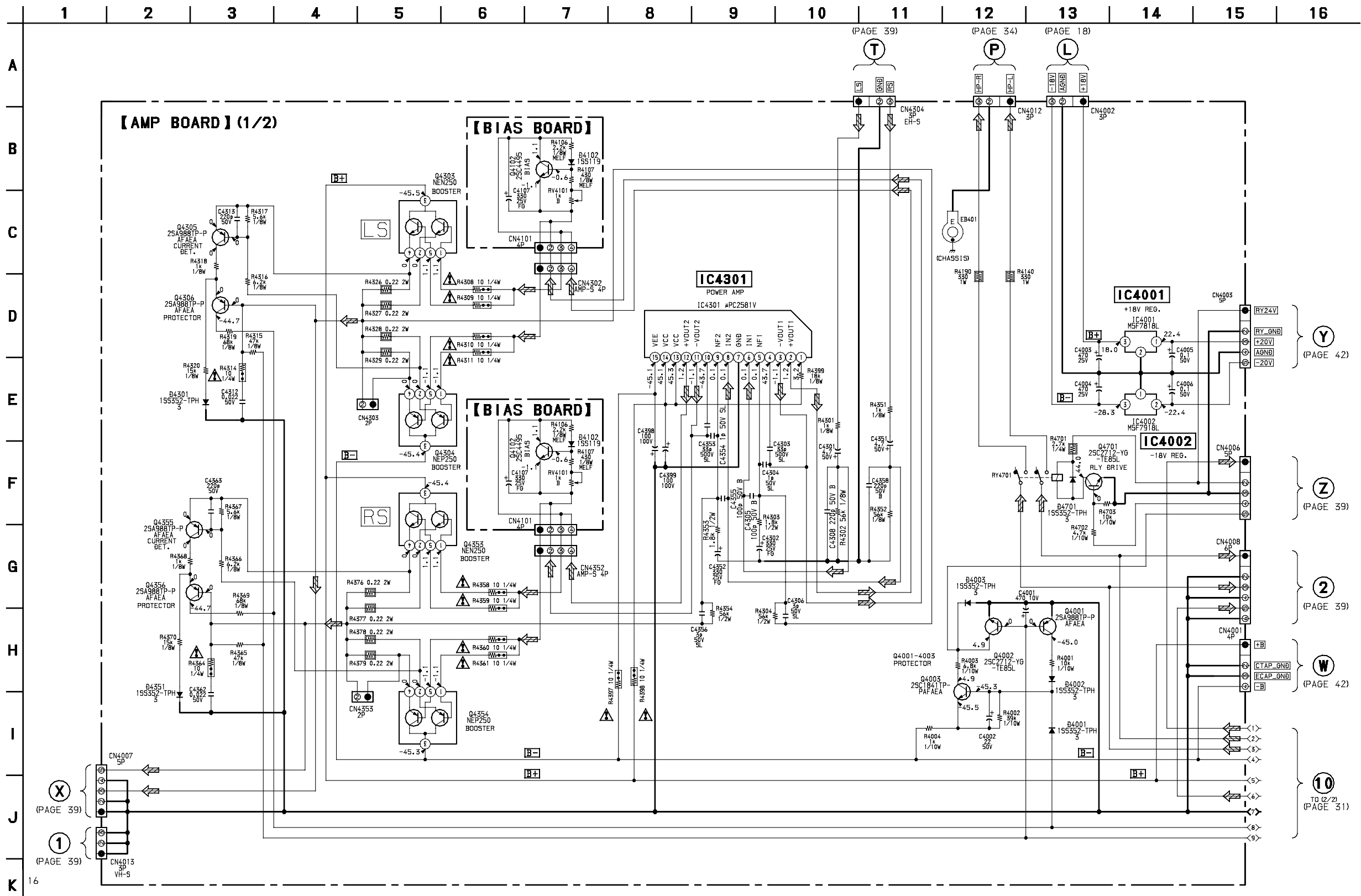
The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

3-23. PRINTED WIRING BOARD AMP SECTION • See page 7 for Circuit Boards Location.



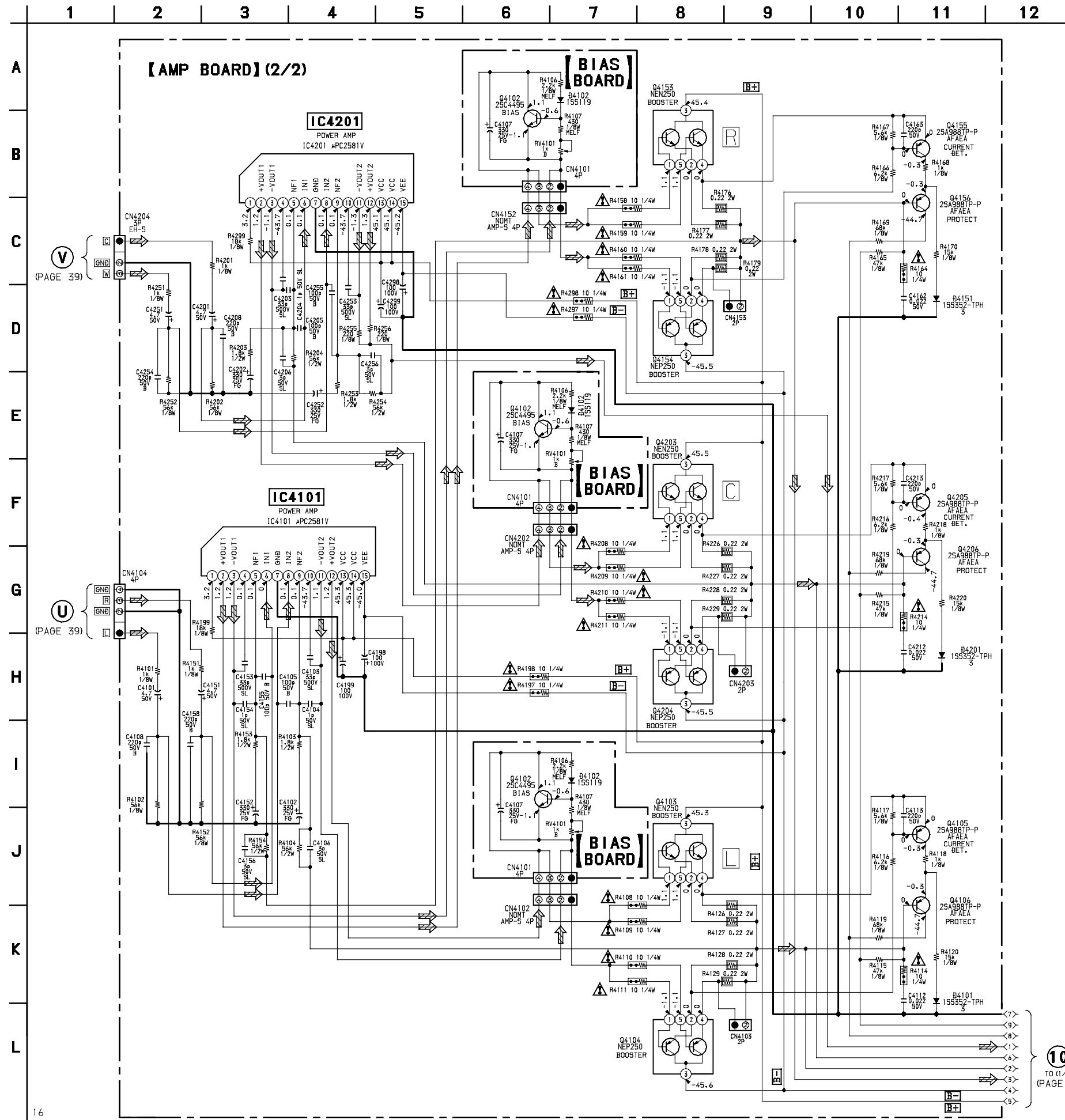
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D4001	B-10	Q4103	E-11
D4002	A-10	Q4104	E-10
D4003	A-10	Q4105	D-10
D4101	D-12	Q4106	D-11
D4102	F-2	Q4153	E-4
D4151	D-5	Q4154	E-3
D4201	D-8	Q4155	E-3
D4301	B-2	Q4156	E-4
D4351	B-6	Q4203	E-8
D4701	D-12	Q4204	E-6
		Q4205	D-7
IC4001	A-12	Q4206	D-7
IC4002	A-11	Q4303	A-3
IC4101	C-5	Q4304	A-4
IC4201	C-7	Q4305	B-4
IC4301	C-3	Q4306	B-3
		Q4353	A-6
Q4001	A-10	Q4354	A-8
Q4002	A-10	Q4355	B-7
Q4003	A-10	Q4356	B-7
Q4102	F-2	Q4701	C-13



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

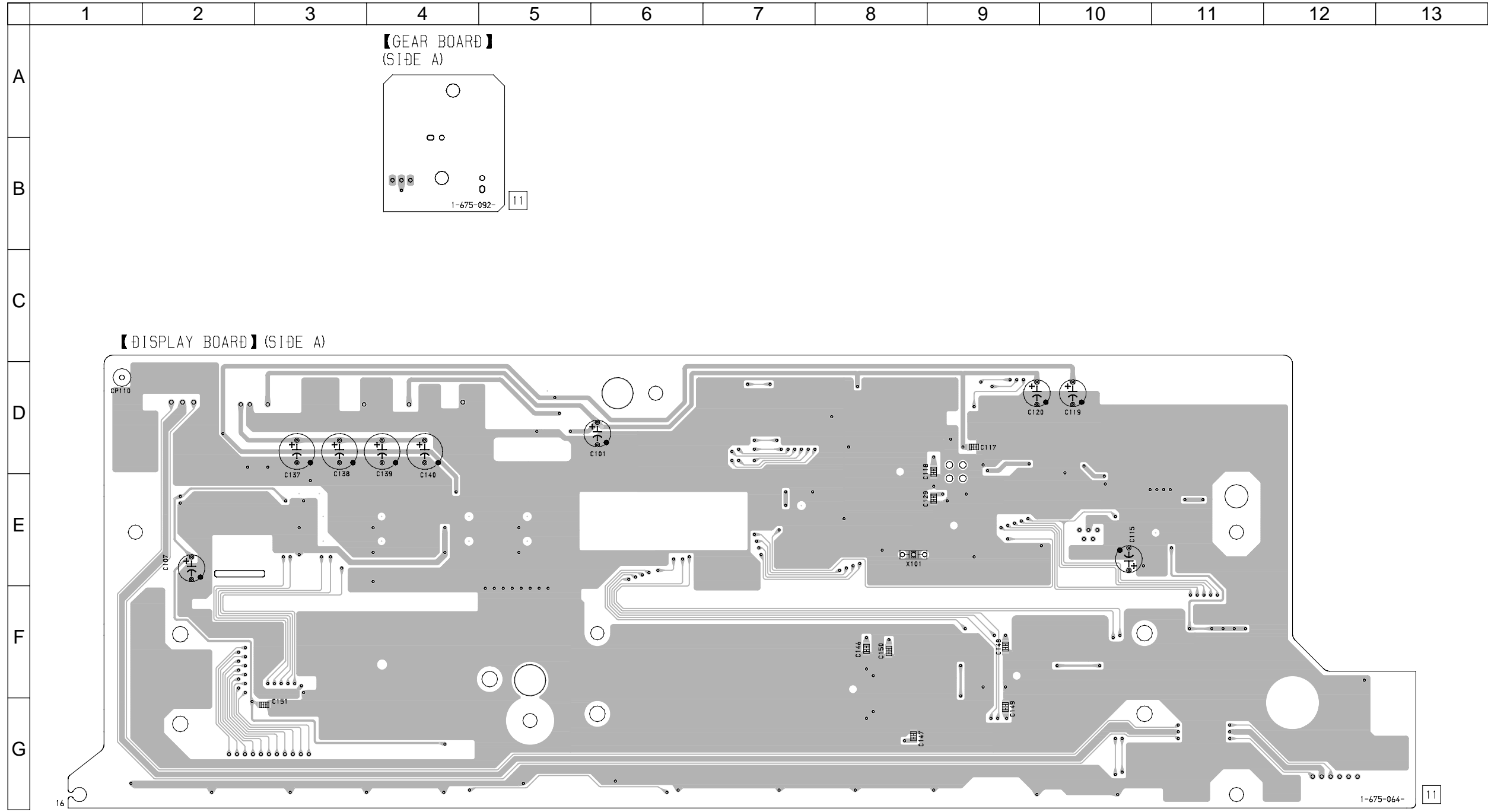
3-25. SCHEMATIC DIAGRAM AMP SECTION(2/2) • See page 29 for Printed Wiring Boards. • See page 45 for IC Block Diagrams.



10  
TO (1/2)  
(PAGE 30)

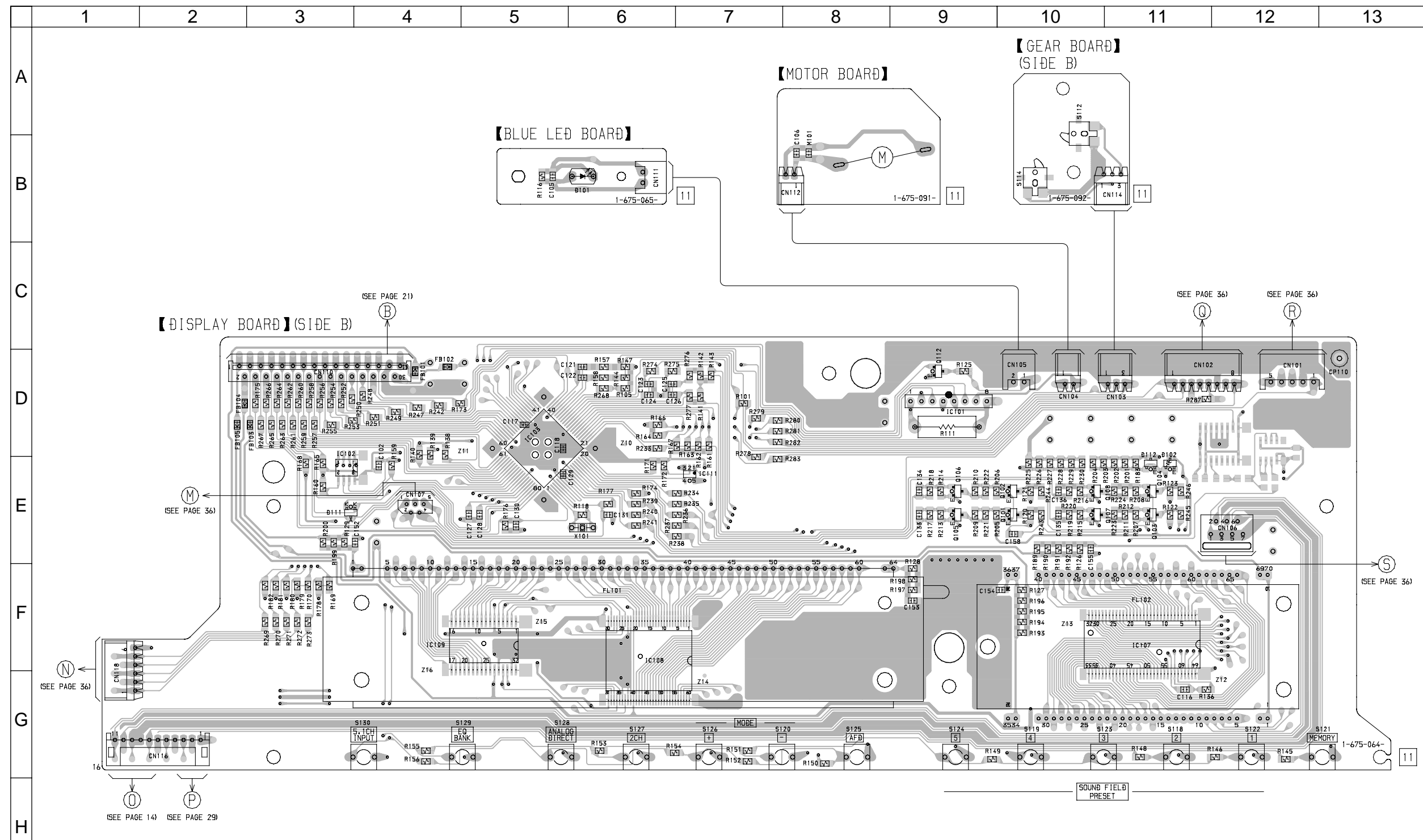
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

3-26. PRINTED WIRING BOARD DISPLAY SECTION(SIDE A) • See page 7 for Circuit Boards Location.



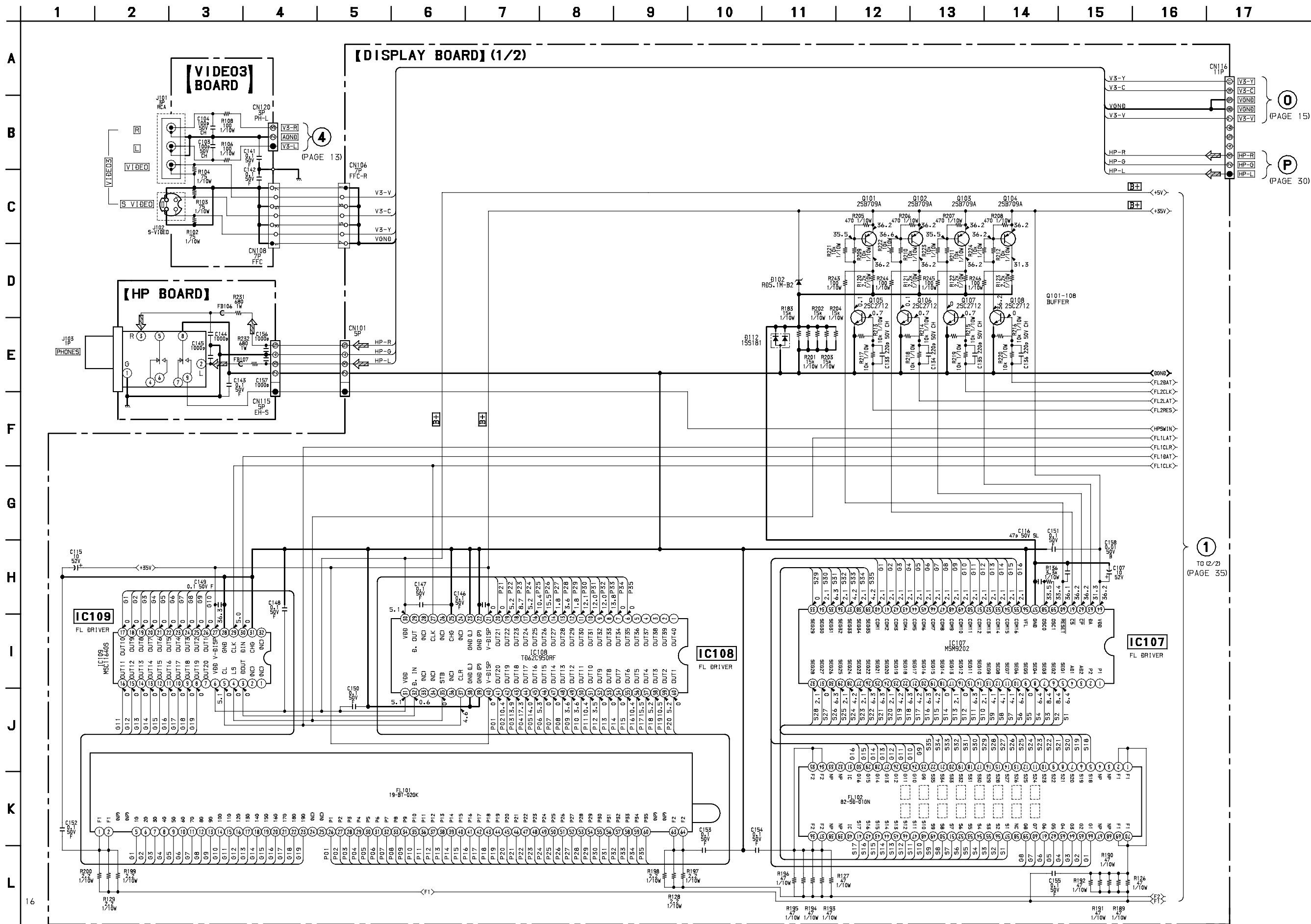


3-27. PRINTED WIRING BOARD DISPLAY SECTION(SIDE B) • See page 7 for Circuit Boards Location.

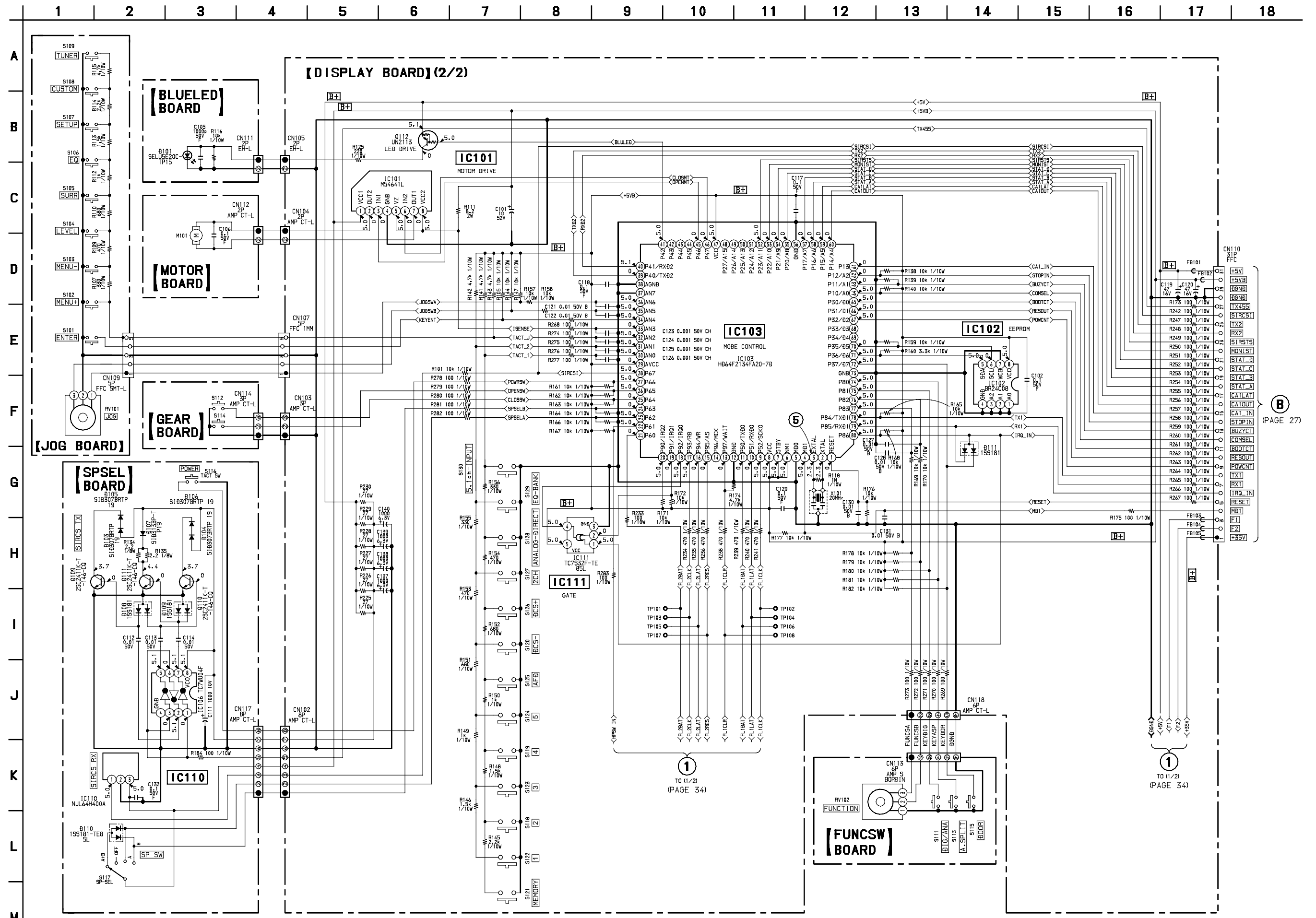


• Semiconductor Location

Ref. No.	Location
D101	B-6
D102	D-11
D111	E-3
D112	D-11
IC101	C-9
IC102	D-3
IC103	D-5
IC107	F-11
IC108	F-6
IC109	F-4
IC111	D-7
Q101	D-10
Q102	D-10
Q103	D-11
Q104	D-11
Q105	D-9
Q106	D-9
Q107	D-10
Q108	D-10
Q112	C-9



3-29. SCHEMATIC DIAGRAM DISPLAY SECTION(2/2) • See page 7 for Waveform. • See page 32,33,36 for Printed Wiring Boards. • See page 45 for IC Block Diagrams.

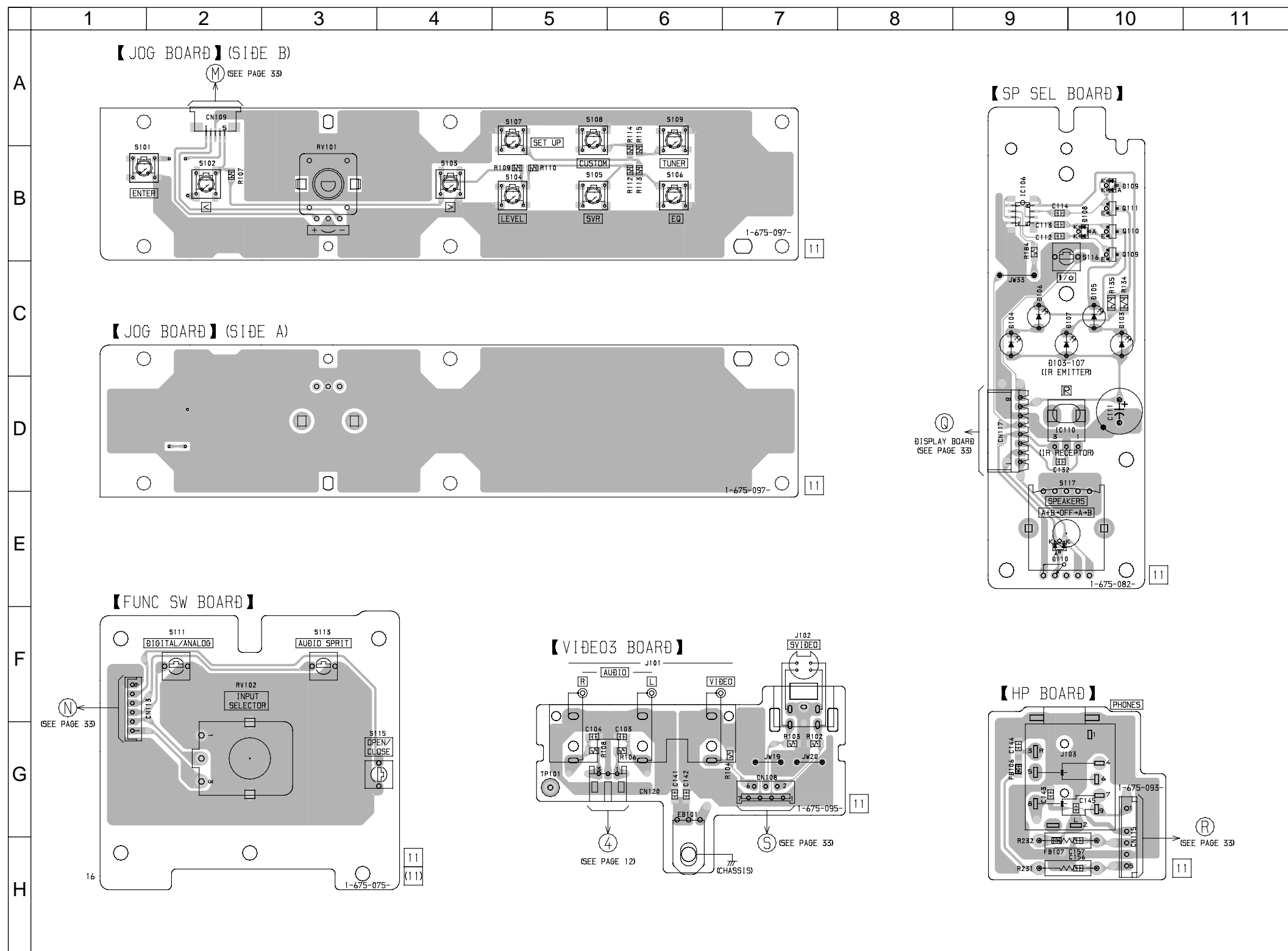


(PAGE 27)

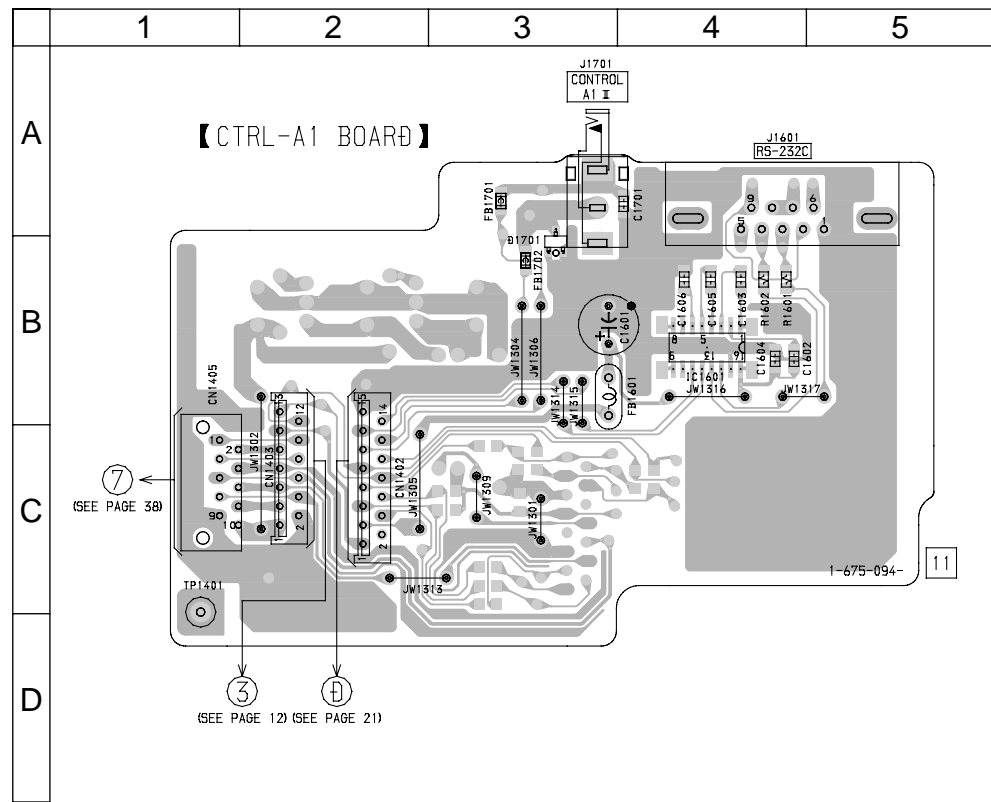
TO (1/2) (PAGE 34)

TO (1/2) (PAGE 34)

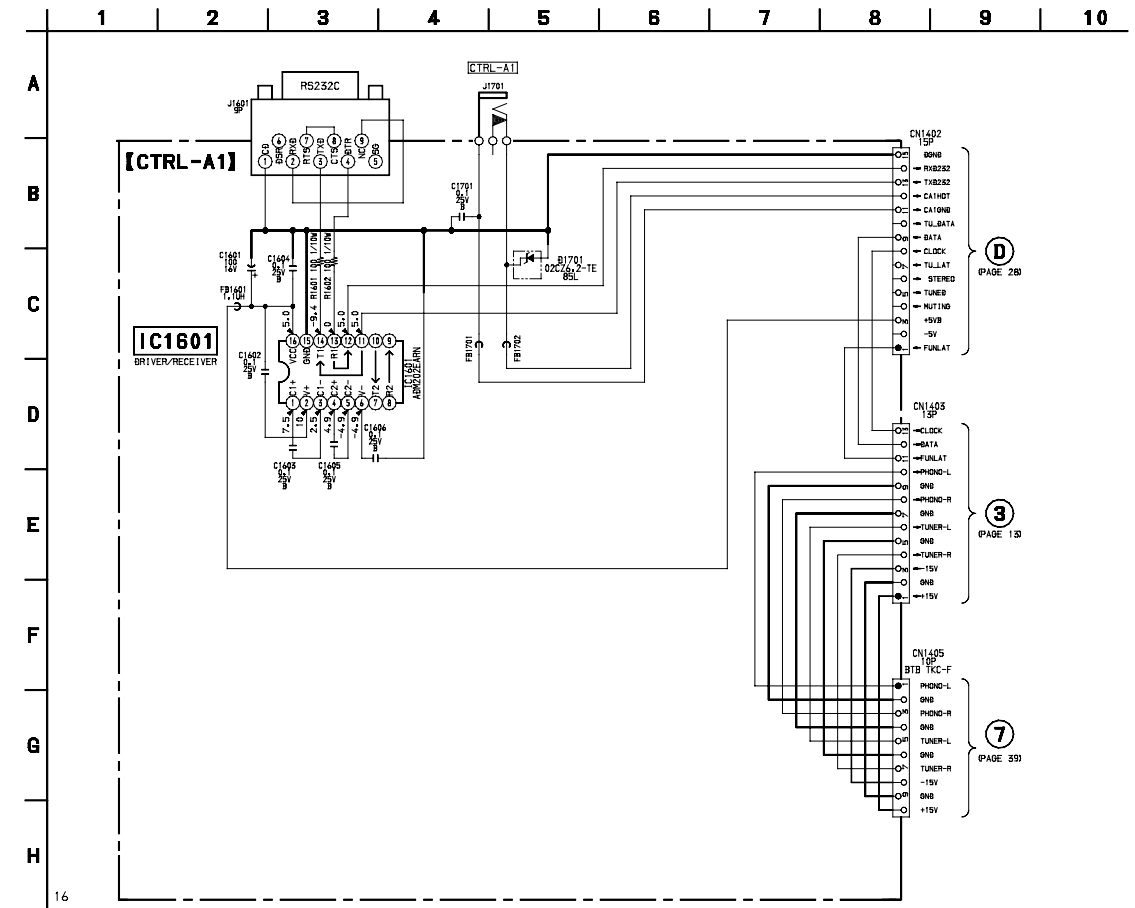
3-30. PRINTED WIRING BOARD SWITCH SECTION • See page 7 for Circuit Boards Location.



3-31. PRINTED WIRING BOARD CONTROL JACK SECTION • See page 7 for Circuit Boards Location.



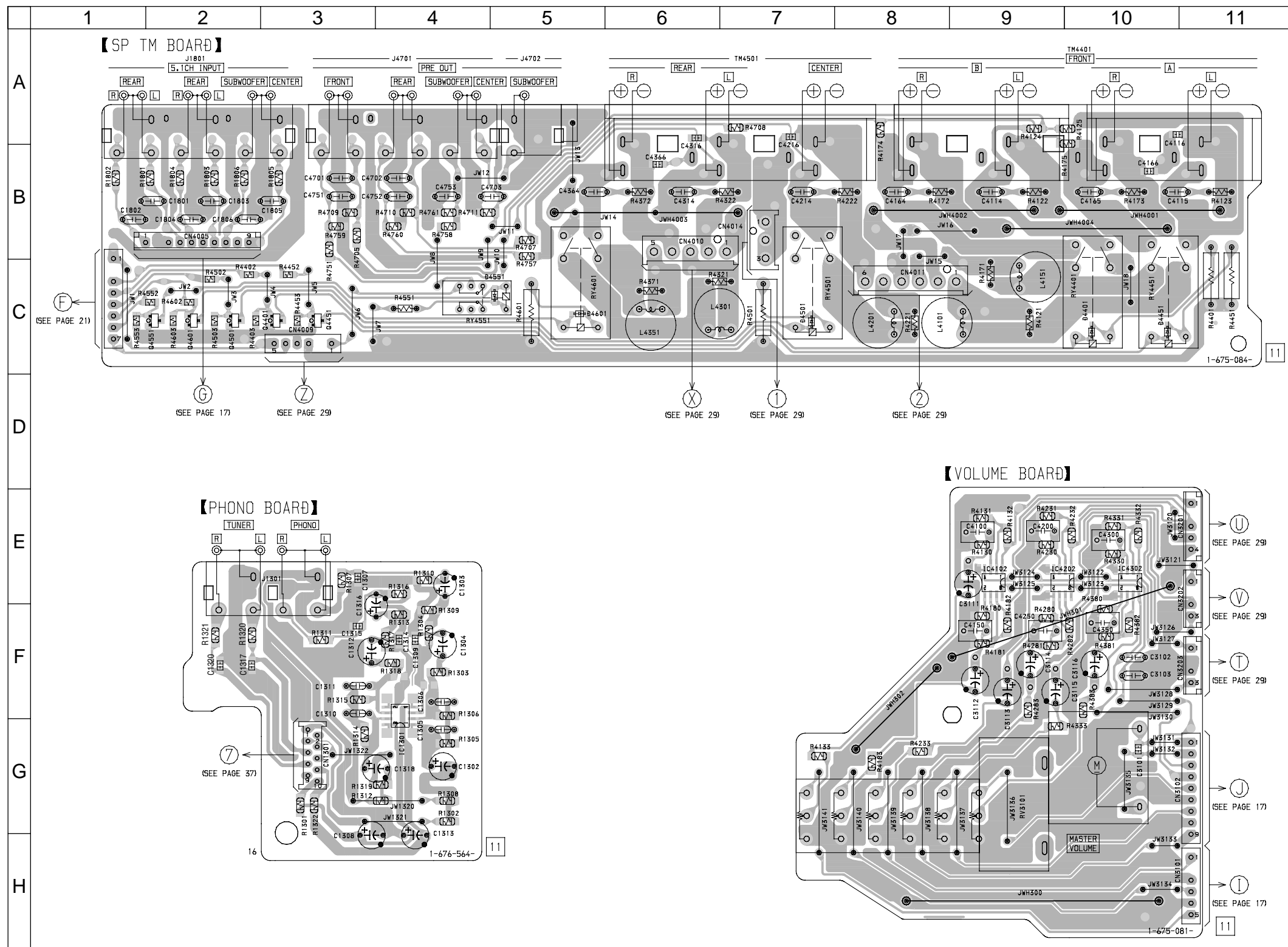
3-32. SCHEMATIC DIAGRAM CONTROL JACK SECTION • See page 46 for IC Block Diagrams.



3-33. PRINTED WIRING BOARD SPEAKER TERMINAL SECTION • See page 7 for Circuit Boards Location.

• Semiconductor Location

Ref. No.	Location
D4401	C-10
D4451	C-10
D4501	C-7
D4551	C-4
D4601	C-5
IC1301	G-4
IC4102	E-9
IC4202	E-9
IC4302	E-10
Q4401	C-3
Q4451	C-3
Q4501	C-2
Q4551	C-2
Q4601	C-2

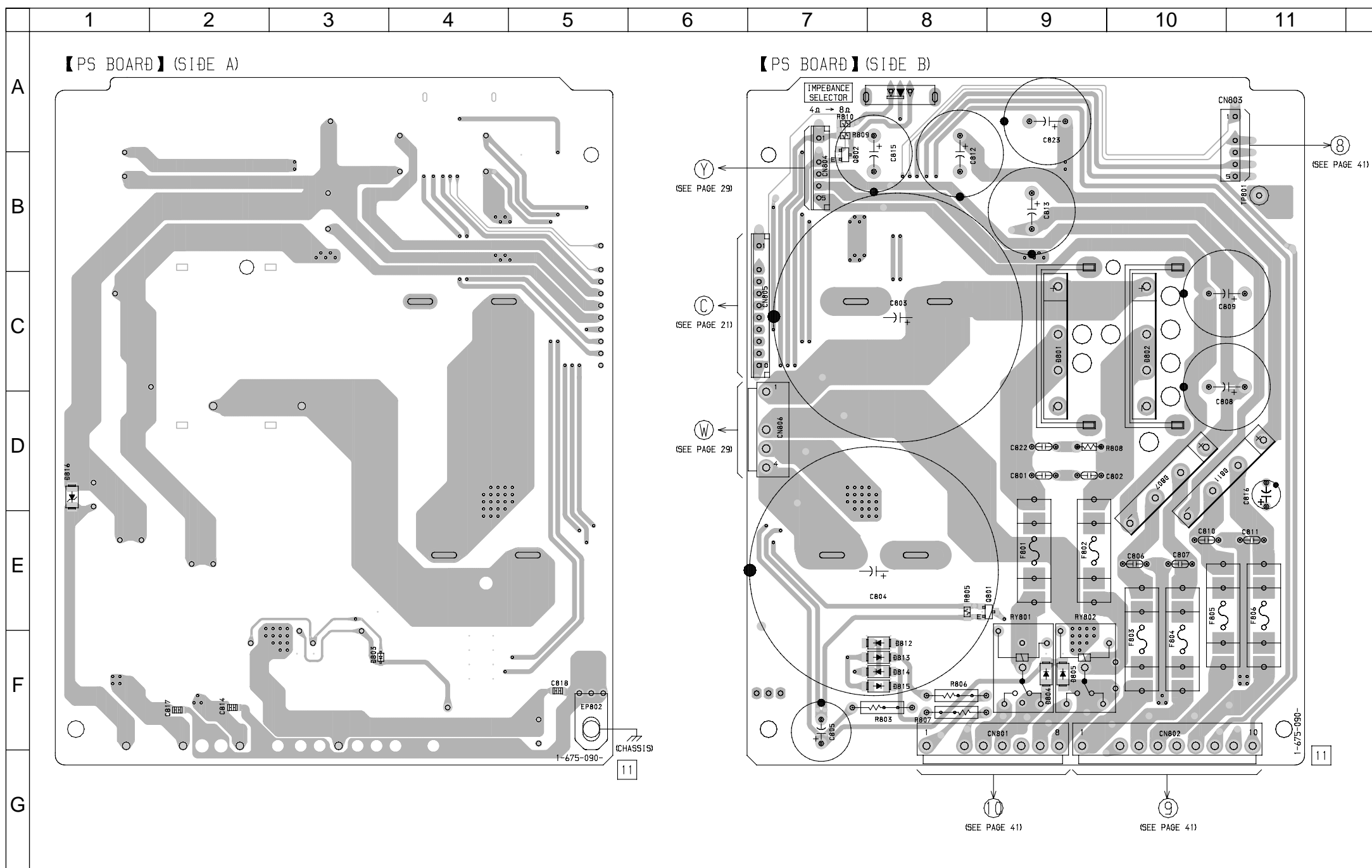




3-35. PRINTED WIRING BOARD POWER SUPPLY SECTION • See page 7 for Circuit Boards Location.

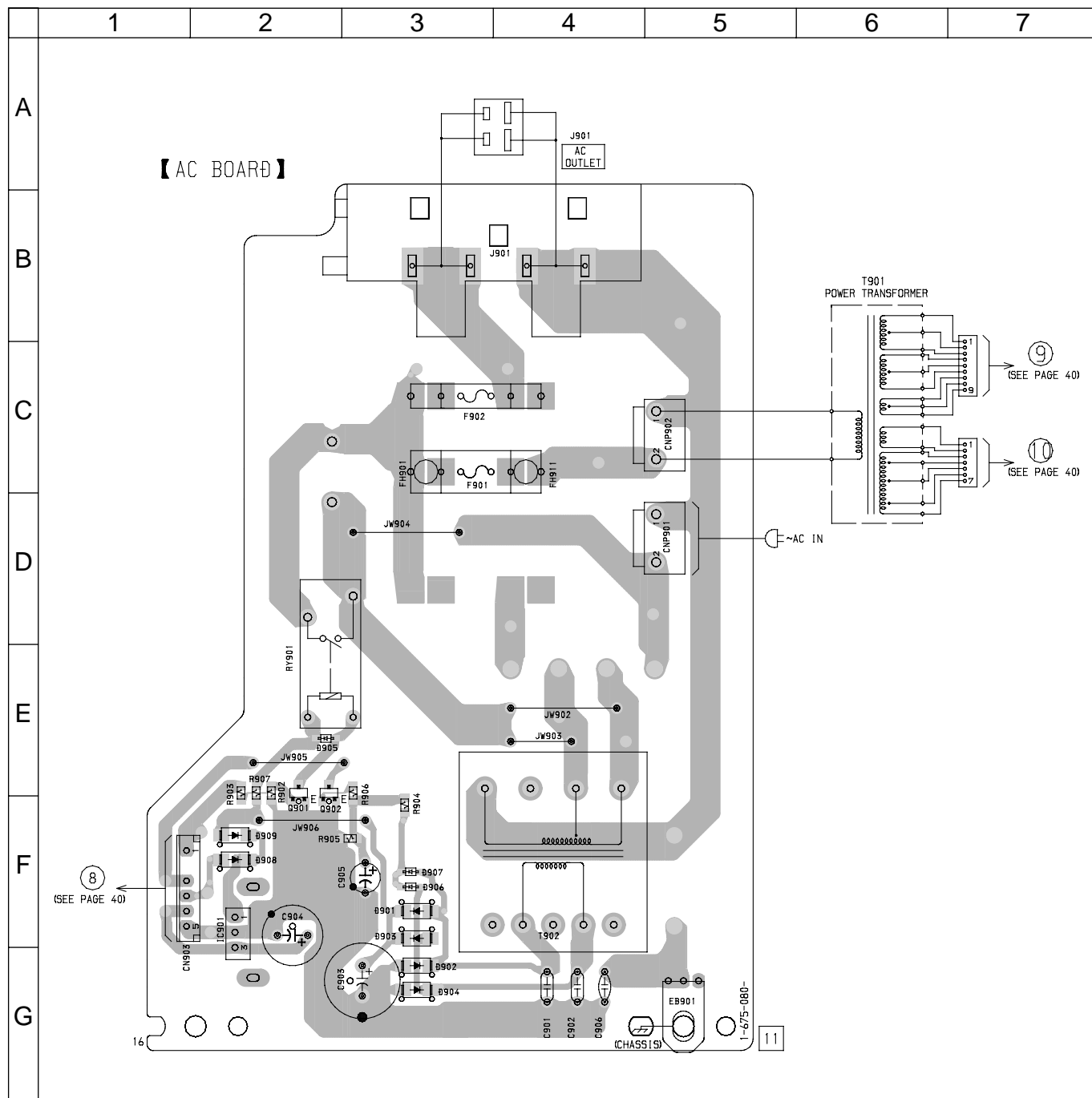
• Semiconductor Location

Ref. No.	Location
D801	C-9
D802	C-10
D803	F-4
D804	E-9
D805	E-9
D807	D-10
D811	D-11
D812	F-8
D813	F-8
D814	F-8
D815	F-8
D816	D-1
Q801	E-9
Q802	A-7





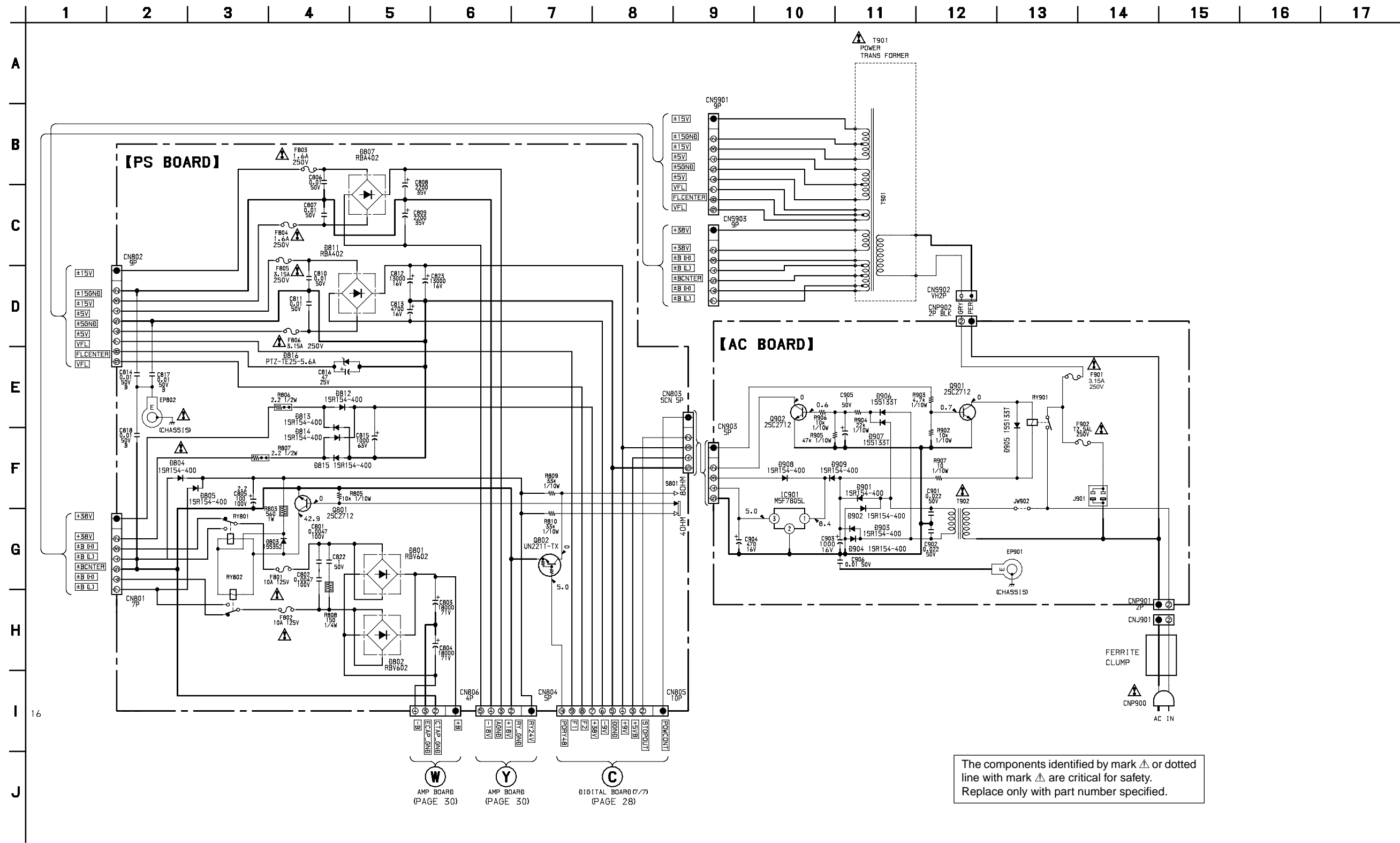
3-36. PRINTED WIRING BOARD AC POWER SUPPLY SECTION • See page 7 for Circuit Boards Location.



• Semiconductor Location

Ref. No.	Location
D901	F-3
D902	G-3
D903	F-3
D904	G-3
D905	E-2
D906	F-3
D907	F-3
D908	F-2
D909	F-2
IC901	F-2
Q901	E-2
Q902	E-2

3-37. SCHEMATIC DIAGRAM POWER SUPPLY SECTION • See page 40,41 for Printed Wiring Boards.

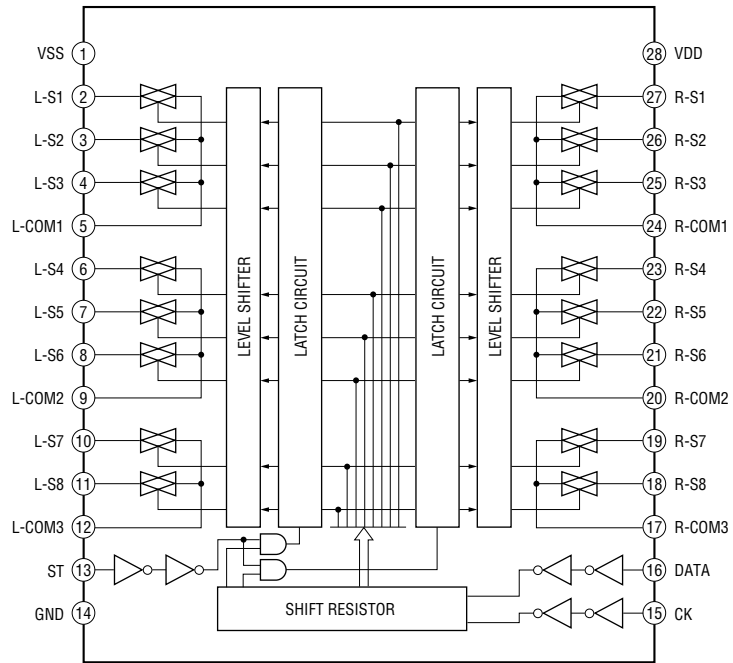


The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

### 3-38. IC BLOCK DIAGRAMS

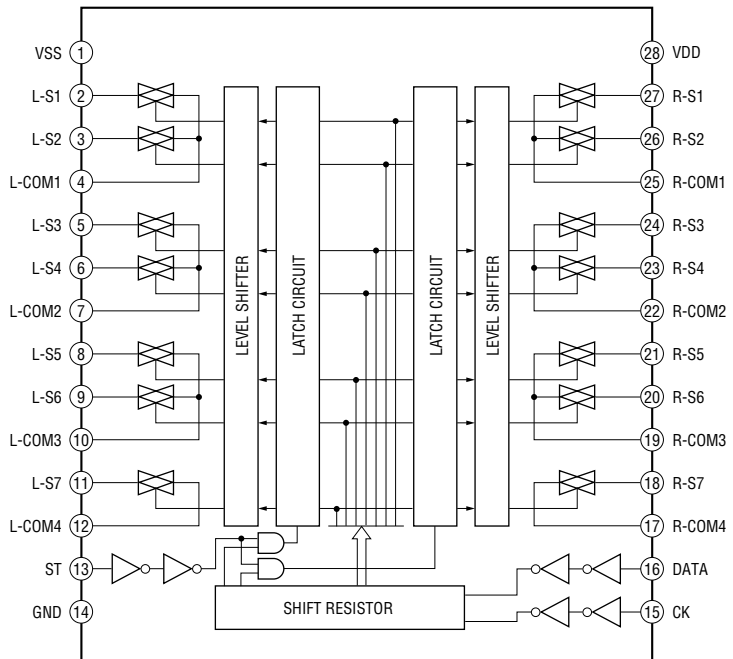
IC1101 TC9163F (AUDIO A board)

IC2306 TC9163F (E VOL board)

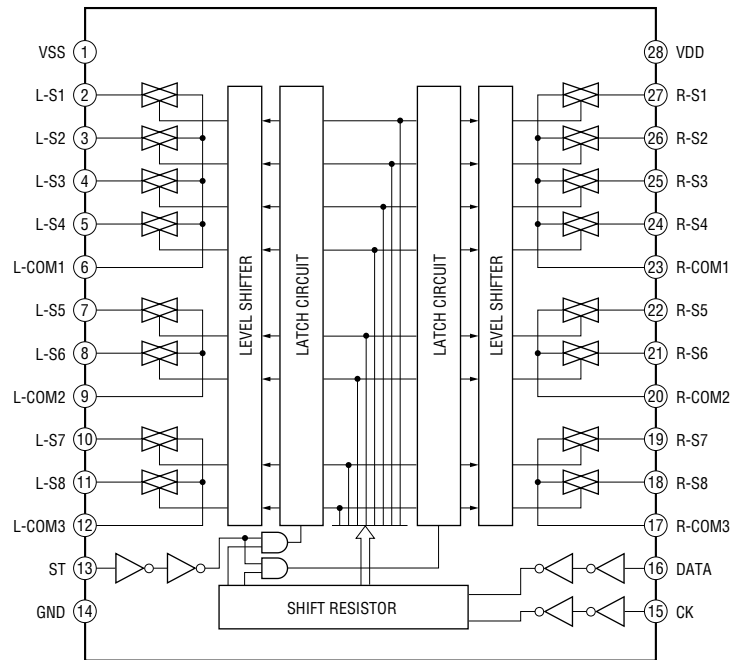


IC1102 TC9162AF (AUDIO A board)

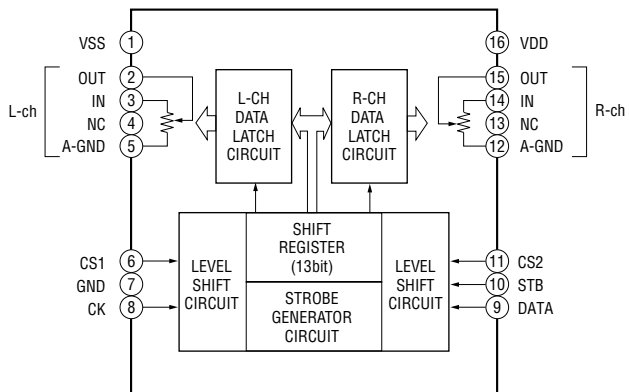
IC2305 TC9162AN (E VOL board)



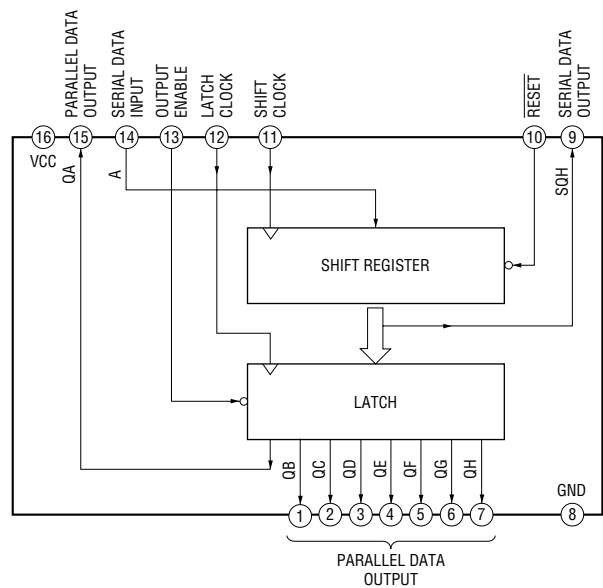
**IC1201 TC9164AN (AUDIO V board)**



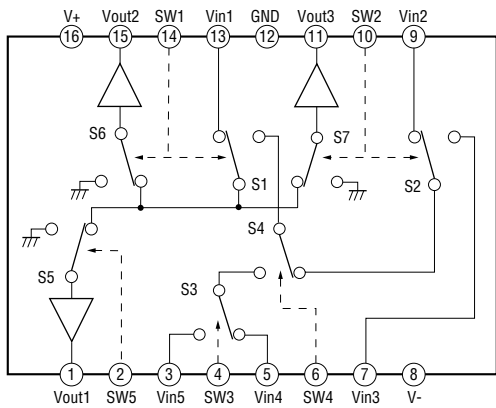
**IC2401, 2501 TC9299P (E VOL board)**



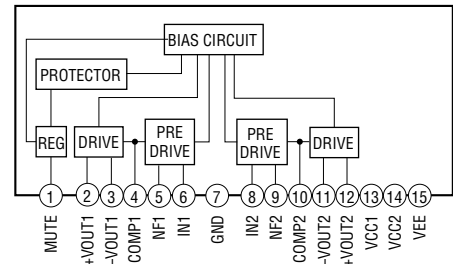
**IC2307, 2308 MC74HC595A (E VOL board)  
IC5203 74HC595 (S VIDEO board)  
IC317 TC74HC595A (DIGITAL board)**



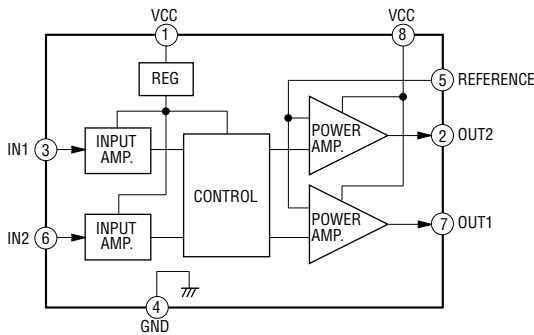
**IC5201, 5202 NJM2296 (S VIDEO board)  
IC5101 NJM2296 (C VIDEO board)**



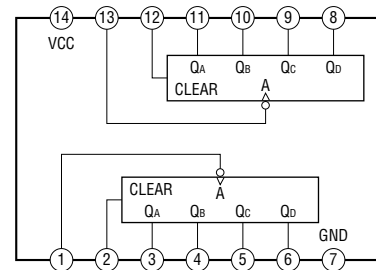
**IC4101, 4201,  $\mu$ PC2581v (AMP board)**



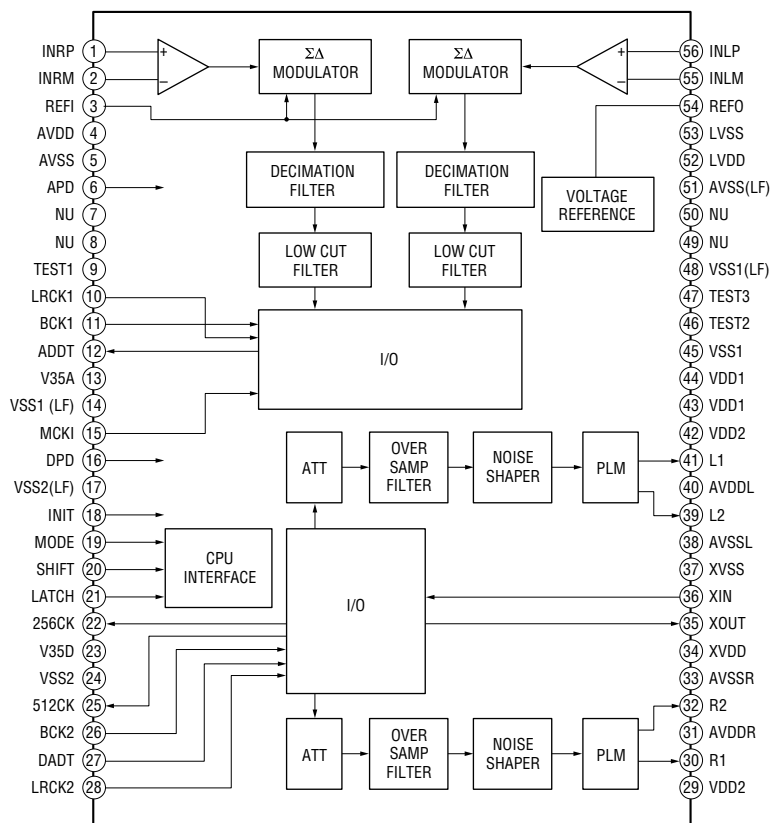
**IC101 M54641L (DISPLAY board)**



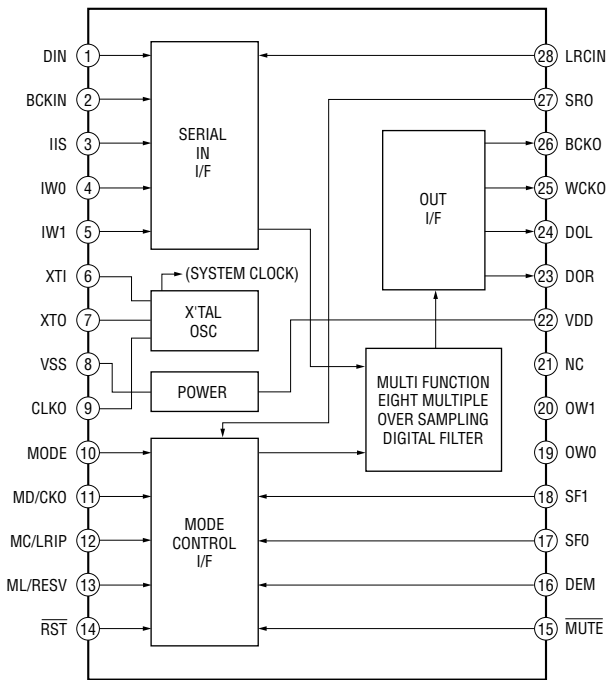
**IC336, 362 TC74HC393A (DIGITAL board)**



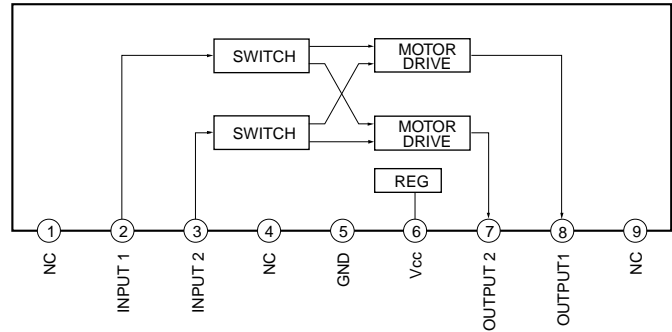
**IC307 CXD8607N (DIGITAL board)**



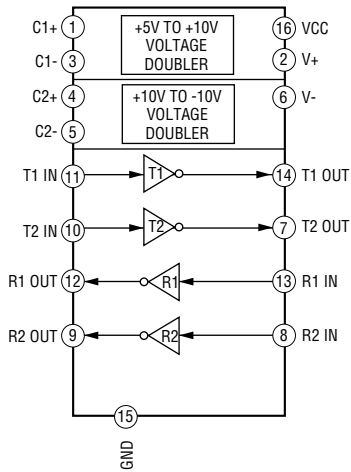
**IC338, 339, 340 DF1704E (DIGITAL board)**



**IC333 BA6208F (DIGITAL board)**



**IC1601 ADM202EARN (CTRL A1 board)**



### 3-39. IC PIN FUNCTION DESCRIPTION

#### IC347, 348 CXD2712R AUDIO DSP(DIGITAL BOARD)

Pin No.	Pin Name	I/O	Description
1	VSS3	—	Ground
2 – 5	SOA – SOD	O	Serial data output
6, 7	ECJ0, ECJ1	I	Conditional jump input terminal (7pin Connected to ground)
8	—	NC	No connection
9	XHDWR	I	HCIF data write
10	XHDRD	I	HCIF data read
11	Vss4	—	Ground
12	VDD2	—	+3.3V
13	HRDY	O	HCIF ready signal Open drain
14	XHDCS	I	HCIF chip select
15	HA0	I	HCIF address input
16 – 20	HD0 – HD4	I/O	HCIF data input/output
21	Vss5	—	Ground
22	VDD3	—	+3.3V
23 – 25	HD5 – HD7	I/O	HCIF data input/output
26	XRST	I	Reset input “L”: active
27 – 30	FGP0 – FGP3	O	Test data output
31	Vss6	—	Ground
32 – 40	ED0 – ED8	I/O	External RAM data input/output
41	Vss7	—	Ground
42	VDD4	—	+3.3V
43 – 49	ED9 – ED15	I/O	External RAM data input/output
50	TSTD	I	Test data input “L” = normal “H” = test (Connected to ground)
51	Vss8	—	Ground
52	VDD5	—	+3.3V
53 – 60	ED16 – ED23	I/O	External RAM data input/output
61	Vss9	—	Ground
62 – 69	ED24 – ED31	I/O	External RAM data input/output
70	XOE	O	External RAM output enable
71	Vss10	—	Ground
72	VDD6	—	+3.3V
73	CAS	O	External RAM column address strobe (Not used)
74	XWE	O	External RAM write enable (Not used)
75	RAS	O	External RAM raw address strobe
76 – 80	EA0 – EA4	I/O	External RAM address output/test data input
81	Vss11	—	Ground
82	VDD7	—	+3.3V
83 – 89	EA5 – EA11	I/O	External RAM address output/test data input
90	EA12	O	External RAM address output

Pin No.	Pin Name	I/O	Description
91	Vss0	—	Ground
92 – 94	EA13 – EA15	O	External RAM address output
95	EA16	O	Not used
96	TSTA	I	Test data input “L” = normal “H” = test (Connecting to ground)
97	PLDIVF	I	PLL input frequency select “L” = 256Fs “H” = 128Fs (Connecting to ground)
98	PLDIVB	O	PLL output frequency select “L” = 768Fs “H” = 1024Fs (Connecting to ground)
99	CLKI	I	Master clock input
100	CLKO	O	Master clock output (Not used)
101	Vss1	—	Ground
102	VDD0	—	+3.3V
103	AVss	—	Ground for PLL cell
104	AVDD	—	VDD for PLL cell
105	PLLCK	I/O	PLL output/test clock input
106	XPLEN	I	PLL cell oscillation enable “L” oscillation enable “H” oscillation stop (Connecting to ground)
107	TST	I	Test data input “L” = normal “H” = test (Connecting to ground)
108	LRCT	I	Frequency counter input (Connecting to ground)
109	LROUT	O	LRCK0 divider output
110	BKOUT	O	BCK0 divider output
111	Vss2	—	Ground
112	VDD1	—	+3.3V
113	BCK0	I	BCK input
114	BCK1	I	BCK input
115	LRCK0	I	LRCK input
116	LRCK1	I	LRCK input
117 – 120	SIA – SID	I	Serial data input



**IC357 HD64F2134FA20-777C (Control  $\mu$ COM port assign) (DIGITAL BOARD)**

Pin No.	Pin Name	I/O	Function
1	RESET	I	Reset
2	XTAL	I	20MHz master clock
3	EXTAL	O	20MHz master clock
4	MD1	I	1: normal/0:boot
5	MD0	I	Ground
6	NMI	I	Ground
7	STBY	I	+5V
8	VCC	—	+5V
9	P52/SCK0	I	C-bit input clock
10	P51/RXD0	I	C-bit input data
11	P50/TXD0	O	Latch No.7 (“L” → “H” : latch)
12	GND	—	Ground
13	P97/WAIT	I	Ready
14	P96/MCK	I	(NC)
15	P95/AS	O	Latch No.6 (“L” → “H” : latch)
16	P94/WR	O	WR
17	P93/RD	O	RD
18	P92/IRQ0	O	Latch No.5 (“L” → “H” : latch)
19	P91/IRQ1	O	Latch No.4 (“L” → “H” : latch)
20	P90/IRQ2	O	CXD2712#1 CS (“H” = select)
21	P60	O	CXD2712#2 CS (“H” = select)
22	P61	O	CXD2712RD (“H” = read)
23	P62	O	CXD2712WR (“H” = write)
24	P63	O	Latch No.3 (“L” → “H” : latch)
25	P64	I	Buzy control port
26	P65	O	Latch No.2 (“H” : transparent)
27	P66	O	Latch No.1 (“H” : transparent)
28	P67	O	Latch No.1 to No. 7 OE (“L” = on)
29	AVCC	—	+5V
30	AN0	I	DC analog input
31	AN1	I	HP sw input (“L” = HP on)
32	AN2	I	AC-3 RF error (“H” = error)
33	AN3	I	DIR unlock (“H” = error)
34	AN4	I	ADSP21062 FLAG0
35	AN5	I	ADSP21062 FLAG1
36	AN6	I	ADSP21062 FLAG2
37	AN7	I	ADSP21062 FLAG3
38	AGND	—	Ground
39	P40/TXD2	O	8bit bus data (positive)
40	P41/RXD2	O	8bit bus data (positive)
41	P42	O	8bit bus data (positive)
42	P43	O	8bit bus data (positive)
43	P44	O	8bit bus data (positive)
44	P45	O	8bit bus data (positive)
45	P46	O	8bit bus data (positive)
46	P47	O	8bit bus data (positive)
47	VCC	—	+5V
48	P27/A15	O	Bus address A15
49	P26/A14	O	Bus address A14
50	P25/A13	O	Bus address A13

Pin No.	Pin Name	I/O	Function
51	P24/A12	O	Bus address A12
52	P23/A11	O	Bus address A11
53	P22/A10	O	Bus address A10
54	P21/A9	O	Bus address A9
55	P20/A8	O	Bus address A8
56	GND	—	Ground
57	P17/A7	O	Bus address A7
58	P16/A6	O	Bus address A6
59	P15/A5	O	Bus address A5
60	P14/A4	O	Bus address A4
61	P13	O	Bus address A3
62	P12/A2	O	Bus address A2
63	P11/A1	O	Bus address A1
64	P10/A0	O	Bus address A0
65	P30/D0	O	Bus data D0
66	P31/D1	O	Bus data D1
67	P32/D2	O	Bus data D2
68	P33/D3	O	Bus data D3
69	P34/D4	O	Bus data D4
70	P35/D5	O	Bus data D5
71	P36/D6	O	Bus data D6
72	P37/D7	O	Bus data D7
73	GND	—	Ground
74	P80	O	HBR for ADSP21062
75	P81	I	HBG from ADSP21062
76	P82	O	(NC)
77	P83	O	(NC)
78	P84/TXD1	O	Communicate with external
79	P85/RXD1	I	Communicate with external
80	P86	I	FS (sampling frequency)

**IC349 LC89055W DIGITAL AUDIO I/F RECEIVER (DIGITAL BOARD)**

Pin No.	Pin Name	I/O	Description
1	DISEL	I	Input data select. (connected to ground.)
2	DOUT	O	EIAJ data and parity flag output terminal (Not used)
3	DIN0	I	Amplifier integrate data input terminal
4	DIN1	O	Amplifier integrate data input terminal (Connecting to ground)
5	DIN2	I	Amplifier integrate data input terminal (Connecting to ground)
6	D. GND	—	Digital ground
7	D. VDD	O	Digital power supply
8	R	I	Input terminal for VCO generator band adjustment
9	V IN	I	Input terminal for VCO self running frequency set
10	LPF	O	External LPF for PLL is connected to this terminal
11	A. VDD	—	Analog power supply
12	A. GND	—	Analog ground
13	CK OUT	—	256fs or 128fs clock output terminal (Select CLKMD terminal)
14	BCK	O	Bit clock output terminal
15	LRCK	O	L, R clock output terminal (L-ch: "H", R-ch: "L")
16	DATA O	O	Audio data output terminal
17	XSTATE	O	Xtal status frag output.
18	D. GND	—	Digital ground
19	D. VDD	—	Digital power supply
20	XMCK	—	Not used.
21	XOUT	O	Crystal oscillator output terminal (Not used.)
22	XIN	I	Crystal oscillator input terminal
23	EMPHA	O	Emphasis monitor output terminal ("H" = ON) (Not used.)
24	AUDIO	—	Not used.
25	CSFLAG	O	C-bit change frag output.
26	F0/P0/C0	—	Not used.
27	F1/P1/C1	—	Not used.
28	F2/P2/C2	—	Not used.
29	F3/P3/C3	—	Not used.
30	D. VDD	—	Digital power supply
31	D. GND	—	Digital ground
32	AUTO	O	Non PCM data detect flag output.
33	BPSYNC	O	Non PCM sync detect flag output.
34	ERROR	O	Error mute output terminal
35	DO	O	Microprocessor I/F. When CCB/SUB is "H", data output terminal (high level open drain output) (Not used)
36	DI	I	Microprocessor I/F. Data input terminal
37	CE	I	Microprocessor I/F. Chip enable/latch input terminal
38	CLK	I	Microprocessor I/F. Clock input terminal
39	XSEL	I	Xtal select. (Connected to +5V.)
40	MODE0	I	Mode 0 input. (Connected to ground.)
41	MODE1	I	Mode 1 input. (Connected to ground.)
42	D. GND	—	Digital ground
43	D. VDD	—	Digital power supply
44	DOSEL0	O	Output data select 0. (Connected to ground.)
45	DOSEL1	O	Output data select 1. (Connected to ground.)
46	CKSEL0	I	System clock select input 0. (Connected to ground.)
47	CKSEL1	I	System clock select input 1. (Connected to ground.)
48	XMODE	I	Reset input.

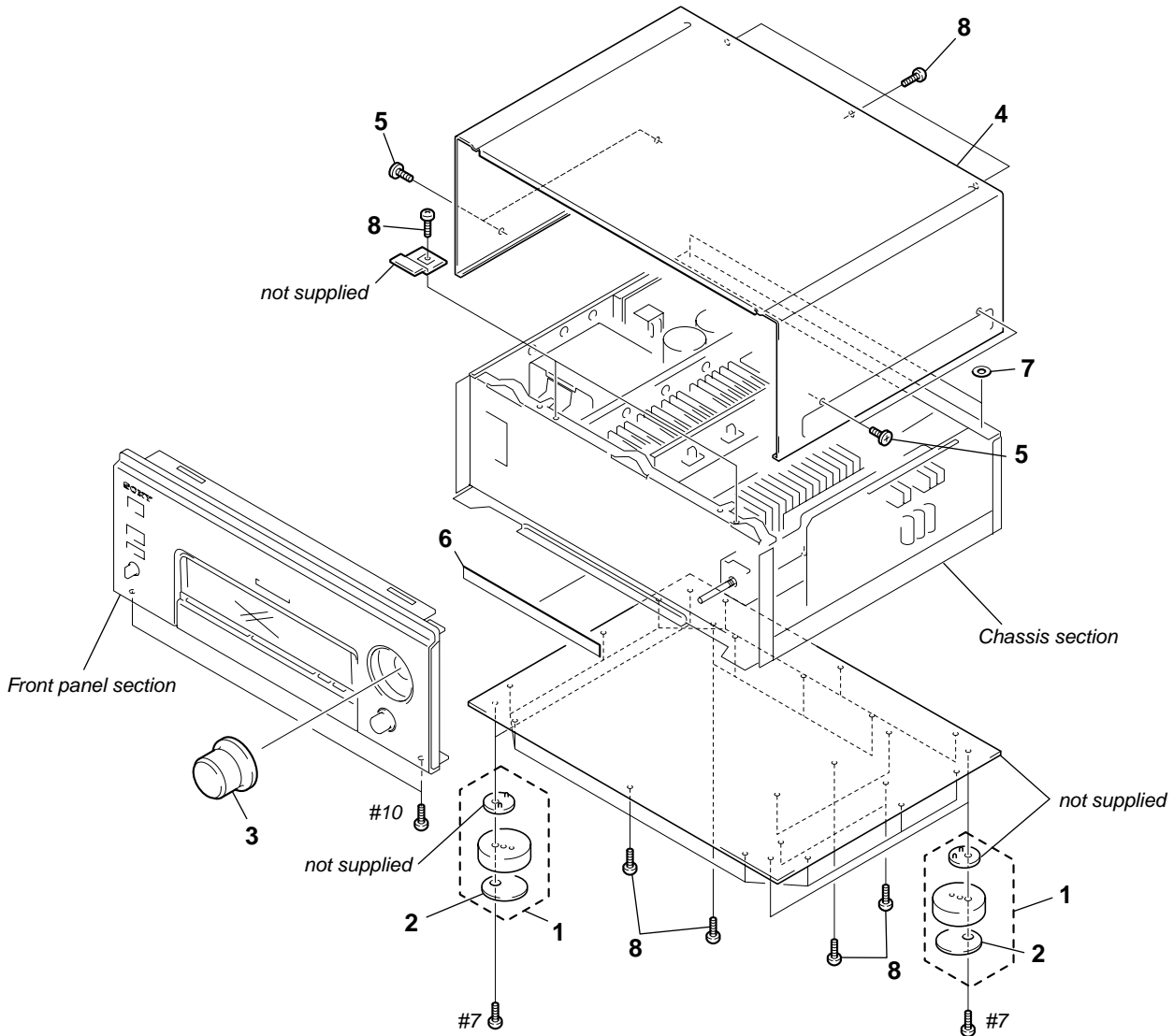
## SECTION 4 EXPLODED VIEWS

**NOTE:**

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked “\*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

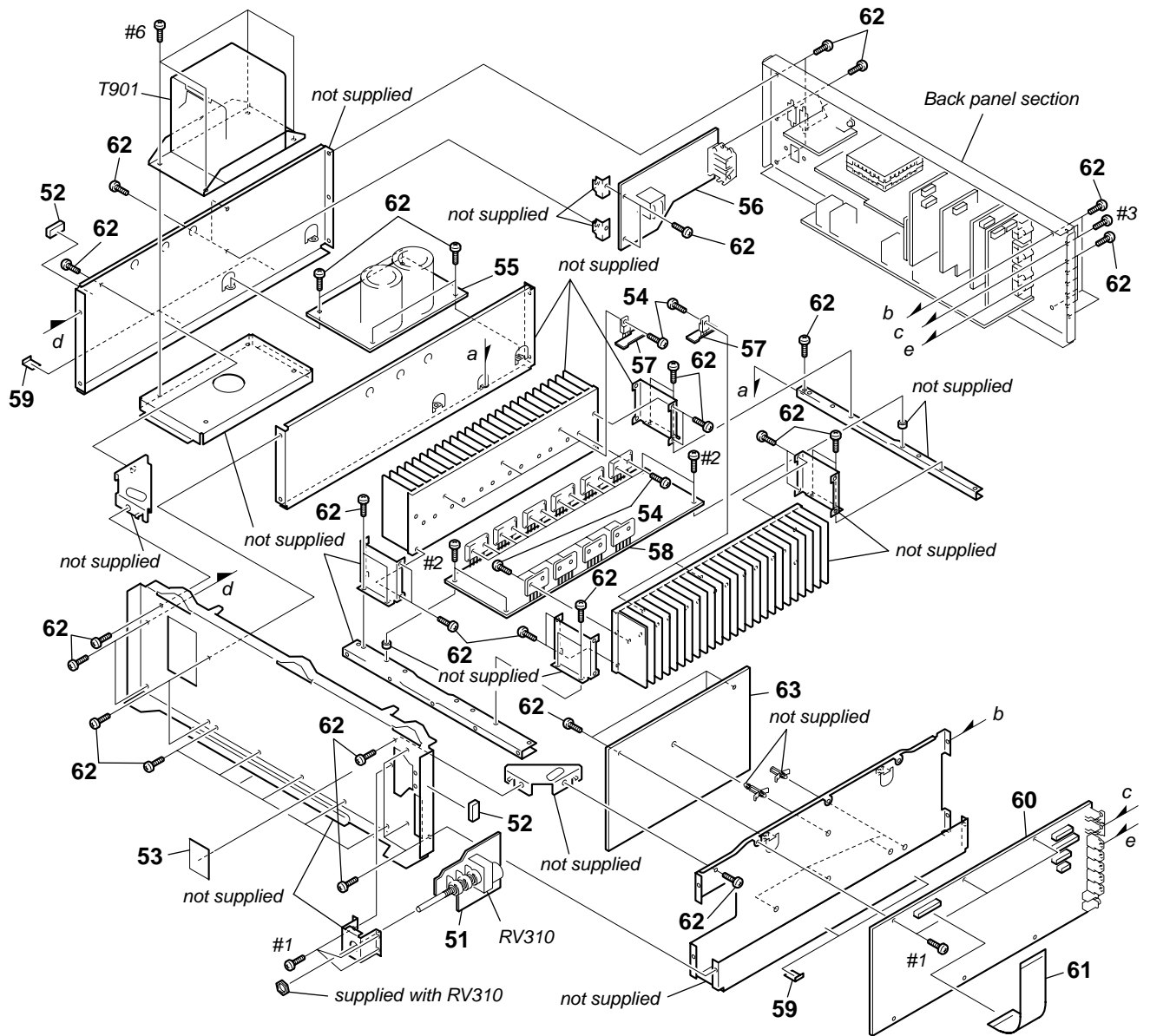
The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

### 4-1. CASE SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	X-4949-759-1	FOOT ASSY		5	4-227-843-11	SCREW(TP), FLAT HEAD	
2	4-970-124-01	CUSHION (F50180S)		6	4-972-439-11	SPACER (SCREW HEAD)	
3	X-4951-908-1	KNOB(VOL) ASSY		7	4-971-099-01	WASHER (P)	
4	4-222-052-11	CASE		8	4-974-510-01	SCREW(+BV 3X8 CU)	

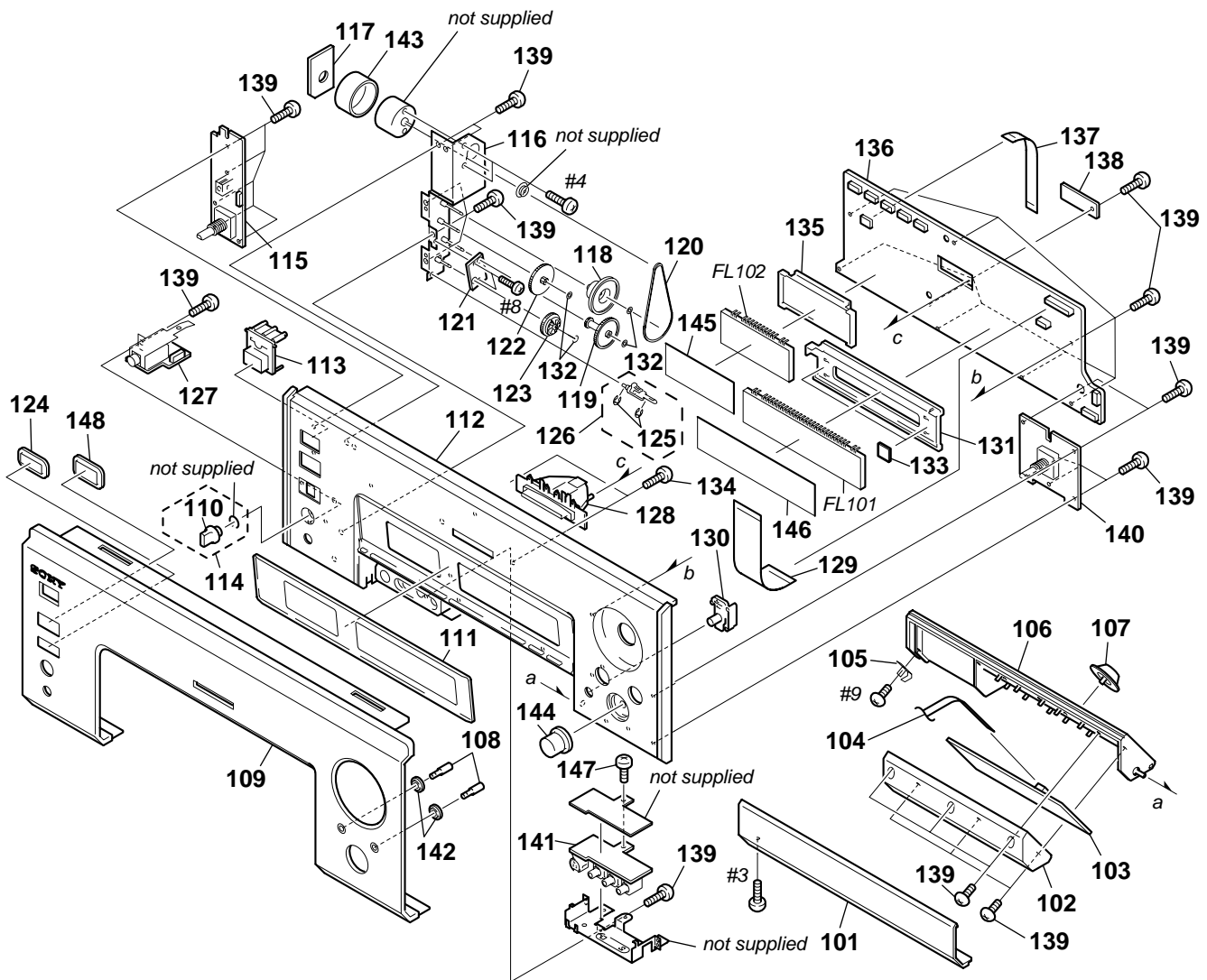
## 4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	1-675-081-11	VOLUME BOARD		58	A-4426-447-A	AMP BOARD, COMPLETE	
52	3-313-227-01	SPACER, CUSHION		59	4-227-879-01	SPACER (BTM)	
53	4-225-421-01	SHEET (SC)		60	A-4426-437-A	DIGITAL BOARD, COMPLETE	
54	3-905-609-21	SCREW (TRANSISTOR)		61	1-773-279-11	WIRE (FLAT TYPE) (29 CORE)	
55	A-4426-479-A	PS BOARD, COMPLETE		62	4-974-510-01	SCREW (+BV 3X8 CU)	
56	A-4426-462-A	AC BOARD, COMPLETE		63	A-4426-459-A	E VOL BOARD, COMPLETE	
57	1-675-085-11	BIAS BOARD		△T901	1-435-096-11	TRANSFORMER, POWER	

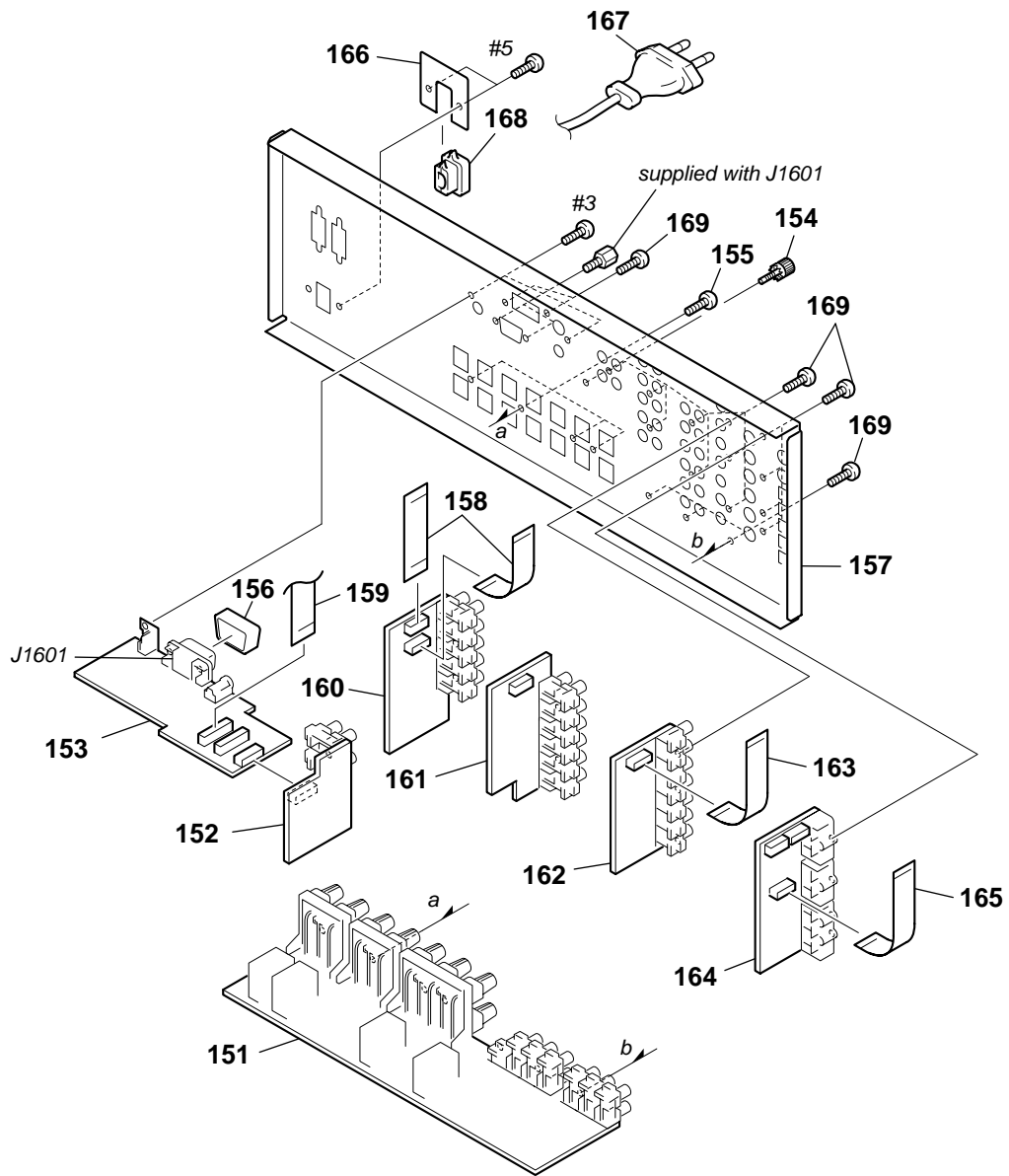
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

### 4-3. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
101	4-222-034-31	LID(AL)		126	X-4951-895-1	GEAR(LID) ASSY	
102	4-222-044-12	LID(BASE)		127	1-675-093-11	HP BOARD	
103	1-675-097-11	JOG BOARD		128	X-4950-348-1	ESCUTCHEON (WIN.) ASSY	
104	1-791-939-11	CABLE, FLEXIBLE FLAT (5P)		129	1-791-938-11	CABLE, FLEXIBLE FLAT (31P)	
105	4-222-065-01	BRACKET (LID)		130	4-222-038-11	BUTTON (O/C)	
106	X-4951-910-1	LID(MD) ASSY		* 131	4-990-797-01	HOLDER (FL)	
107	4-222-048-11	KNOB(JOG)		132	4-926-218-01	RING(DIA.2), RETAINING	
108	4-211-455-01	BUTTON (LED)		* 133	4-921-941-01	CUSHION (FL)	
109	4-222-033-41	PANEL, FRONT		134	4-933-134-01	SCREW (+PTPWH M2.6X6)	
110	4-908-097-71	KNOB		135	4-222-051-01	HOLDER (FL/L)	
111	4-222-151-11	WINDOW		136	A-4426-440-A	DISPLAY BOARD, COMPLETE	
112	X-4952-334-1	BASE ASSY, PANEL		137	1-765-314-11	WIRE(FLAT TYPE) (7 CORE)	
113	4-998-737-01	BUTTON (POWER)		138	1-675-065-11	BLUE LED BOARD	
114	X-4952-010-1	KNOB(N) ASSY		139	4-951-620-01	SCREW (2.6X8), +BVTP	
115	1-675-082-11	SP SEL BOARD		140	1-675-066-11	FUNCTION SW BOARD	
116	X-4951-893-1	BRACKET (GEAR) ASSY		141	1-675-095-11	VIDEO 3 BOARD	
117	1-675-091-11	MOTOR BOARD		142	4-222-041-11	ESCUTCHEON	
118	4-222-068-01	PULLEY (GEAR)		143	4-218-604-01	DAMPER (MOTOR)	
119	4-222-070-01	GEAR(B)		144	X-4951-913-1	KNOB(BAL) ASSY	
120	4-222-150-01	BELT		145	4-220-324-01	FILTER (FL)	
121	1-675-092-11	GEAR BOARD		146	4-222-042-01	FILTER	
122	4-222-069-01	GEAR(A)		147	4-974-510-01	SCREW (+BV 3X8 CU)	
123	4-222-071-01	GEAR(C)		148	4-222-039-01	WINDOW, TRANSMITTER	
124	4-222-040-11	WINDOW, RAY CATCHER		FL101	1-517-781-21	INDICATOR TUBE, FLUORESCENT	
125	7-624-106-04	STOP RING 3.0, TYPE -E		FL102	1-517-905-11	INDICATOR TUBE, FLUORESCENT	

#### 4-4. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
151	A-4426-470-A	SP TM BOARD, COMPLETE		160	A-4426-450-A	AUDIO A BOARD, COMPLETE	
152	1-676-564-11	PHONO BOARD		161	A-4426-453-A	AUDIO V BOARD, COMPLETE	
153	A-4426-489-A	CTRL-A1 BOARD, COMPLETE		162	A-4426-454-A	C VIDEO BOARD, COMPLETE	
154	4-947-010-01	SCREW, FEEDER FIXED		163	1-769-937-11	WIRE (FLAT TYPE) (11 CORE)	
155	3-704-515-11	SCREW (BV/RING)		164	A-4426-496-A	S VIDEO BOARD, COMPLETE	
156	3-179-022-31	COVER, DUSTER		165	1-792-216-11	WIRE (FLAT TYPE) (10 CORE)	
157	4-222-054-51	PANEL, BACK (AEP)		* 166	4-923-873-01	BRACKET, CORD STOPPER	
157	4-222-054-61	PANEL, BACK (UK)		△ 167	1-776-095-11	CORD, POWER	
158	1-769-969-11	WIRE (FLAT TYPE) (13 CORE)		168	3-703-244-00	BUSHING (2104), CORD	
159	1-792-174-11	CABLE, FLEXIBLE FLAT (15P)		169	4-974-510-01	SCREW (+BV 3X8 CU)	

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

## SECTION 5 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, -X mean standardized parts, so they may have some difference from the original one.
- Items marked “\*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- **CAPACITORS:**  
uF: μF
- **RESISTORS**  
All resistors are in ohms.  
METAL: metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F: nonflammable
- **COILS**  
uH: μH

- **SEMICONDUCTORS**  
In each case, u: μ, for example:  
uA...: μA..., uPA..., μPA...,  
uPB..., μPB..., uPC..., μPC...,  
uPD..., μPD...

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

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

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	A-4426-462-A	AC BOARD, COMPLETE *****				< TRANSISTOR >	
	1-533-293-11	FUSE HOLDER		Q901	8-729-230-49	TRANSISTOR 2SC2712-YG	
		< CAPACITOR >		Q902	8-729-230-49	TRANSISTOR 2SC2712-YG	
C901	1-110-211-91	MYLAR	0.022uF 5% 50V			< RESISTOR >	
C902	1-110-211-91	MYLAR	0.022uF 5% 50V	R902	1-208-462-41	RES-CHIP 10K 2% 1/10W	
C903	1-127-721-11	ELECT	1000uF 20% 16V	R903	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
C904	1-127-720-91	ELECT MELF	470uF 20% 16V	R904	1-208-518-41	RES-CHIP 22K 2% 1/10W	
C905	1-119-820-11	ELECT	1uF 20% 50V	R905	1-208-526-41	RES-CHIP 47K 2% 1/10W	
		< CONNECTOR >		R906	1-208-462-41	RES-CHIP 10K 2% 1/10W	
C906	1-137-370-11	MYLAR	0.01uF 5% 50V	R907	1-216-603-11	METAL CHIP 10 0.5% 1/10W	
		< CONNECTOR >				< RELAY >	
CNP903	1-691-767-11	PLUG (MICRO CONNECTOR) 5P		RY901	1-755-298-11	RELAY	
		< CONNECTOR >				< TRANSFORMER >	
CNP901	1-564-321-00	PIN, CONNECTOR 2P		$\Delta$ T902	1-435-163-11	TRANSFORMER, POWER	
* CNP902	1-564-321-21	PIN, CONNECTOR 2P		*****			
CNP904	1-568-106-11	PIN, CONNECTOR 4P			A-4426-447-A	AMP BOARD, COMPLETE *****	
		< DIODE >			7-685-872-09	SCREW +BVTT 3X8 (S)	
D901	8-719-053-18	DIODE 1SR154-400TE-25				< CAPACITOR >	
D902	8-719-053-18	DIODE 1SR154-400TE-25		C4001	1-119-792-21	ELECT 470uF 20% 10V	
D903	8-719-053-18	DIODE 1SR154-400TE-25		C4002	1-128-858-11	ELECT 22uF 20% 50V	
D904	8-719-053-18	DIODE 1SR154-400TE-25		C4003	1-127-726-51	ELECT MELF 470uF 20% 25V	
D905	8-719-016-74	DIODE 1SS352		C4004	1-127-726-51	ELECT MELF 470uF 20% 25V	
		< TERMINAL >		C4005	1-119-816-31	ELECT 0.1uF 20% 50V	
D906	8-719-016-74	DIODE 1SS352		C4006	1-119-816-31	ELECT 0.1uF 20% 50V	
D907	8-719-016-74	DIODE 1SS352		C4101	1-119-823-11	ELECT 4.7uF 20% 50V	
D908	8-719-053-18	DIODE 1SR154-400TE-25		C4102	1-119-830-11	ELECT 330uF 20% 25V	
D909	8-719-053-18	DIODE 1SR154-400TE-25		C4103	1-102-233-00	CERAMIC 33PF 10% 500V	
		< FUSE >		C4104	1-102-934-00	CERAMIC 1.0PF 0.25PF 50V	
$\Delta$ F901	1-532-465-51	FUSE, TIME LAG 3.15A,250V		C4105	1-102-106-00	CERAMIC 100PF 10% 50V	
$\Delta$ F902	1-532-464-51	FUSE 2.5A 250V		C4106	1-164-039-11	CERAMIC 3PF 0.25PF 50V	
		< IC >		C4108	1-164-077-11	CERAMIC 220PF 10% 50V	
IC901	8-759-231-53	IC TA7805S		C4112	1-137-372-11	MYLAR 0.022uF 5% 50V	
		< JACK >		C4113	1-137-360-11	MYLAR 220PF 5% 50V	
$\Delta$ J901	1-251-079-11	OUTLET, AC(AC OUTLET)		C4151	1-119-823-11	ELECT 4.7uF 20% 50V	
				C4152	1-119-830-11	ELECT 330uF 20% 25V	
				C4153	1-102-233-00	CERAMIC 33PF 10% 500V	
				C4154	1-102-934-00	CERAMIC 1.0PF 0.25PF 50V	
				C4155	1-102-106-00	CERAMIC 100PF 10% 50V	



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C4156	1-164-039-11	CERAMIC	3PF 0.25PF 50V	* CN4153	1-564-505-11	PLUG, CONNECTOR 2P	
C4158	1-164-077-11	CERAMIC	220PF 10% 50V	* CN4203	1-564-505-11	PLUG, CONNECTOR 2P	
C4162	1-137-372-11	MYLAR	0.022uF 5% 50V	CN4204	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
C4163	1-137-360-11	MYLAR	220PF 5% 50V	* CN4303	1-564-505-11	PLUG, CONNECTOR 2P	
C4198	1-119-854-11	ELECT	100uF 20% 100V	CN4304	1-691-765-21	PLUG (MICRO CONNECTOR) 3P	
C4199	1-119-854-11	ELECT	100uF 20% 100V	* CN4353	1-564-505-11	PLUG, CONNECTOR 2P	
C4201	1-119-823-11	ELECT	4.7uF 20% 50V			< DIODE >	
C4202	1-119-830-11	ELECT	330uF 20% 25V	D4001	8-719-016-74	DIODE 1SS352	
C4203	1-102-233-00	CERAMIC	33PF 10% 500V	D4002	8-719-016-74	DIODE 1SS352	
C4204	1-102-934-00	CERAMIC	1.0PF 0.25PF 50V	D4003	8-719-016-74	DIODE 1SS352	
C4205	1-102-106-00	CERAMIC	100PF 10% 50V	D4101	8-719-016-74	DIODE 1SS352	
C4206	1-164-039-11	CERAMIC	3PF 0.25PF 50V	D4151	8-719-016-74	DIODE 1SS352	
C4208	1-164-077-11	CERAMIC	220PF 10% 50V	D4201	8-719-016-74	DIODE 1SS352	
C4212	1-137-372-11	MYLAR	0.022uF 5% 50V	D4301	8-719-016-74	DIODE 1SS352	
C4213	1-137-360-11	MYLAR	220PF 5% 50V	D4351	8-719-016-74	DIODE 1SS352	
C4251	1-119-823-11	ELECT	4.7uF 20% 50V	D4701	8-719-016-74	DIODE 1SS352	
C4252	1-119-830-11	ELECT	330uF 20% 25V			< TERMINAL >	
C4253	1-102-233-00	CERAMIC	33PF 10% 500V	EB401	1-537-770-21	TERMINAL BOARD, GROUND	
C4254	1-164-077-11	CERAMIC	220PF 10% 50V			< HEAT SINK >	
C4255	1-102-106-00	CERAMIC	100PF 10% 50V	* HS4001	4-880-403-11	HEAT SINK	
C4256	1-164-039-11	CERAMIC	3PF 0.25PF 50V	* HS4002	4-880-403-11	HEAT SINK	
C4298	1-119-854-11	ELECT	100uF 20% 100V			< IC >	
C4299	1-119-854-11	ELECT	100uF 20% 100V	IC4001	8-759-604-87	IC M5F7818L	
C4301	1-119-823-11	ELECT	4.7uF 20% 50V	IC4002	8-759-604-91	IC M5F7918L	
C4302	1-119-830-11	ELECT	330uF 20% 25V	IC4101	8-759-326-52	IC uPC2581V	
C4303	1-102-233-00	CERAMIC	33PF 10% 500V	IC4201	8-759-326-52	IC uPC2581V	
C4304	1-102-934-00	CERAMIC	1.0PF 0.25PF 50V	IC4301	8-759-326-52	IC uPC2581V	
C4305	1-102-106-00	CERAMIC	100PF 10% 50V			< TRANSISTOR >	
C4306	1-164-039-11	CERAMIC	3PF 0.25PF 50V	Q4001	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
C4308	1-164-077-11	CERAMIC	220PF 10% 50V	Q4002	8-729-230-49	TRANSISTOR 2SC2712-YG	
C4312	1-137-372-11	MYLAR	0.022uF 5% 50V	Q4003	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
C4313	1-137-360-11	MYLAR	220PF 5% 50V	Q4103	8-749-010-43	IC NEN250	
C4351	1-119-823-11	ELECT	4.7uF 20% 50V	Q4104	8-749-010-42	IC NEP250	
C4352	1-119-830-11	ELECT	330uF 20% 25V	Q4105	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
C4353	1-102-233-00	CERAMIC	33PF 10% 500V	Q4106	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
C4354	1-102-934-00	CERAMIC	1.0PF 0.25PF 50V	Q4153	8-749-010-43	IC NEN250	
C4355	1-102-106-00	CERAMIC	100PF 10% 50V	Q4154	8-749-010-42	IC NEP250	
C4356	1-164-039-11	CERAMIC	3PF 0.25PF 50V	Q4155	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
C4358	1-164-077-11	CERAMIC	220PF 10% 50V	Q4156	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
C4362	1-137-372-11	MYLAR	0.022uF 5% 50V	Q4203	8-749-010-43	IC NEN250	
C4363	1-137-360-11	MYLAR	220PF 5% 50V	Q4204	8-749-010-42	IC NEP250	
C4398	1-119-854-11	ELECT	100uF 20% 100V	Q4205	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
C4399	1-119-854-11	ELECT	100uF 20% 100V	Q4206	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
		< CONNECTOR >		Q4303	8-749-010-43	IC NEN250	
CN4001	1-785-102-11	PIN, CONNECTOR 4P		Q4304	8-749-010-42	IC NEP250	
CN4002	1-691-765-21	PLUG (MICRO CONNECTOR) 3P		Q4305	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
CN4003	1-564-506-11	PLUG (MICRO CONNECTOR) 5P		Q4306	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
CN4006	1-691-767-11	PLUG (MICRO CONNECTOR) 5P		Q4353	8-749-010-43	IC NEN250	
* CN4007	1-564-242-00	PIN, CONNECTOR 5P		Q4354	8-749-010-42	IC NEP250	
CN4008	1-785-104-11	PIN, CONNECTOR 6P		Q4355	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
CN4012	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		Q4356	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
* CN4013	1-564-104-00	PIN, CONNECTOR (B3P-VH) 3P		Q4701	8-729-230-49	TRANSISTOR 2SC2712-YG	
* CN4103	1-564-505-11	PLUG, CONNECTOR 2P					
CN4104	1-691-766-11	PLUG (MICRO CONNECTOR) 4P					

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
		< RESISTOR >					
R4001	1-208-462-41	RES-CHIP 10K	2% 1/10W	R4216	1-259-932-11	CARBON MELF 6.2K	2% 1/8W
R4002	1-216-689-11	METAL CHIP 39K	0.5% 1/10W	R4217	1-260-005-11	CARBON MELF 5.6K	2% 1/8W
R4003	1-216-671-11	METAL CHIP 6.8K	0.5% 1/10W	R4218	1-259-995-11	CARBON MELF 1K	2% 1/8W
R4004	1-208-437-41	RES-CHIP 1K	2% 1/10W	R4219	1-260-018-11	CARBON MELF 68K	2% 1/8W
R4101	1-259-995-11	CARBON MELF 1K	2% 1/8W	R4220	1-260-010-11	CARBON MELF 15K	2% 1/8W
R4102	1-260-017-11	CARBON MELF 56K	2% 1/8W	R4226	1-208-602-11	REGISTER 0.22	10% 2W
R4103	1-249-679-11	CARBON 1.8K	5% 1/2W	R4227	1-208-602-11	REGISTER 0.22	10% 2W
R4104	1-249-844-11	CARBON 56K	5% 1/2W	R4228	1-208-602-11	REGISTER 0.22	10% 2W
△R4108	1-212-857-00	FUSIBLE 10	5% 1/4W	R4229	1-208-602-11	REGISTER 0.22	10% 2W
△R4109	1-212-857-00	FUSIBLE 10	5% 1/4W	R4251	1-259-995-11	CARBON MELF 1K	2% 1/8W
△R4110	1-212-857-00	FUSIBLE 10	5% 1/4W	R4252	1-260-017-11	CARBON MELF 56K	2% 1/8W
△R4111	1-212-857-00	FUSIBLE 10	5% 1/4W	R4253	1-249-679-11	CARBON 1.8K	5% 1/2W
△R4114	1-212-857-00	FUSIBLE 10	5% 1/4W	R4254	1-249-844-11	CARBON 56K	5% 1/2W
R4115	1-260-016-11	CARBON MELF 47K	2% 1/8W	R4255	1-259-987-11	CARBON MELF 220	2% 1/8W
R4116	1-259-932-11	CARBON MELF 6.2K	2% 1/8W	R4256	1-259-987-11	CARBON MELF 220	2% 1/8W
R4117	1-260-005-11	CARBON MELF 5.6K	2% 1/8W	△R4297	1-212-857-00	FUSIBLE 10	5% 1/4W
R4118	1-259-995-11	CARBON MELF 1K	2% 1/8W	△R4298	1-212-857-00	FUSIBLE 10	5% 1/4W
R4119	1-260-018-11	CARBON MELF 68K	2% 1/8W	R4299	1-260-011-11	CARBON MELF 18K	2% 1/8W
R4120	1-260-010-11	CARBON MELF 15K	2% 1/8W	R4301	1-259-995-11	CARBON MELF 1K	2% 1/8W
R4126	1-208-602-11	REGISTER 0.22	10% 2W	R4302	1-260-017-11	CARBON MELF 56K	2% 1/8W
R4127	1-208-602-11	REGISTER 0.22	10% 2W	R4303	1-249-679-11	CARBON 1.8K	5% 1/2W
R4128	1-208-602-11	REGISTER 0.22	10% 2W	R4304	1-249-844-11	CARBON 56K	5% 1/2W
R4129	1-208-602-11	REGISTER 0.22	10% 2W	△R4308	1-212-857-00	FUSIBLE 10	5% 1/4W
R4151	1-259-995-11	CARBON MELF 1K	2% 1/8W	△R4309	1-212-857-00	FUSIBLE 10	5% 1/4W
R4152	1-260-017-11	CARBON MELF 56K	2% 1/8W	△R4310	1-212-857-00	FUSIBLE 10	5% 1/4W
R4153	1-249-679-11	CARBON 1.8K	5% 1/2W	△R4311	1-212-857-00	FUSIBLE 10	5% 1/4W
R4154	1-249-844-11	CARBON 56K	5% 1/2W	△R4314	1-212-857-00	FUSIBLE 10	5% 1/4W
△R4158	1-212-857-00	FUSIBLE 10	5% 1/4W	R4315	1-260-016-11	CARBON MELF 47K	2% 1/8W
△R4159	1-212-857-00	FUSIBLE 10	5% 1/4W	R4316	1-259-932-11	CARBON MELF 6.2K	2% 1/8W
△R4160	1-212-857-00	FUSIBLE 10	5% 1/4W	R4317	1-260-005-11	CARBON MELF 5.6K	2% 1/8W
△R4161	1-212-857-00	FUSIBLE 10	5% 1/4W	R4318	1-259-995-11	CARBON MELF 1K	2% 1/8W
△R4164	1-212-857-00	FUSIBLE 10	5% 1/4W	R4319	1-260-018-11	CARBON MELF 68K	2% 1/8W
R4165	1-260-016-11	CARBON MELF 47K	2% 1/8W	R4320	1-260-010-11	CARBON MELF 15K	2% 1/8W
R4166	1-259-932-11	CARBON MELF 6.2K	2% 1/8W	R4326	1-208-602-11	REGISTER 0.22	10% 2W
R4167	1-260-005-11	CARBON MELF 5.6K	2% 1/8W	R4327	1-208-602-11	REGISTER 0.22	10% 2W
R4168	1-259-995-11	CARBON MELF 1K	2% 1/8W	R4328	1-208-602-11	REGISTER 0.22	10% 2W
R4169	1-260-018-11	CARBON MELF 68K	2% 1/8W	R4329	1-208-602-11	REGISTER 0.22	10% 2W
R4170	1-260-010-11	CARBON MELF 15K	2% 1/8W	R4351	1-259-995-11	CARBON MELF 1K	2% 1/8W
R4176	1-208-602-11	REGISTER 0.22	10% 2W	R4352	1-260-017-11	CARBON MELF 56K	2% 1/8W
R4177	1-208-602-11	REGISTER 0.22	10% 2W	R4353	1-249-679-11	CARBON 1.8K	5% 1/2W
R4178	1-208-602-11	REGISTER 0.22	10% 2W	R4354	1-249-844-11	CARBON 56K	5% 1/2W
R4179	1-208-602-11	REGISTER 0.22	10% 2W	△R4358	1-212-857-00	FUSIBLE 10	5% 1/4W
△R4197	1-212-857-00	FUSIBLE 10	5% 1/4W	△R4359	1-212-857-00	FUSIBLE 10	5% 1/4W
△R4198	1-212-857-00	FUSIBLE 10	5% 1/4W	△R4360	1-212-857-00	FUSIBLE 10	5% 1/4W
R4199	1-260-011-11	CARBON MELF 18K	2% 1/8W	△R4361	1-212-857-00	FUSIBLE 10	5% 1/4W
R4201	1-259-995-11	CARBON MELF 1K	2% 1/8W	△R4364	1-212-857-00	FUSIBLE 10	5% 1/4W
R4202	1-260-017-11	CARBON MELF 56K	2% 1/8W	R4365	1-260-016-11	CARBON MELF 47K	2% 1/8W
R4203	1-249-679-11	CARBON 1.8K	5% 1/2W	R4366	1-259-932-11	CARBON MELF 6.2K	2% 1/8W
R4204	1-249-844-11	CARBON 56K	5% 1/2W	R4367	1-260-005-11	CARBON MELF 5.6K	2% 1/8W
△R4208	1-212-857-00	FUSIBLE 10	5% 1/4W	R4368	1-259-995-11	CARBON MELF 1K	2% 1/8W
△R4209	1-212-857-00	FUSIBLE 10	5% 1/4W	R4369	1-260-018-11	CARBON MELF 68K	2% 1/8W
△R4210	1-212-857-00	FUSIBLE 10	5% 1/4W	R4370	1-260-010-11	CARBON MELF 15K	2% 1/8W
△R4211	1-212-857-00	FUSIBLE 10	5% 1/4W	R4376	1-208-602-11	REGISTER 0.22	10% 2W
△R4214	1-212-857-00	FUSIBLE 10	5% 1/4W	R4377	1-208-602-11	REGISTER 0.22	10% 2W
R4215	1-260-016-11	CARBON MELF 47K	2% 1/8W	R4378	1-208-602-11	REGISTER 0.22	10% 2W

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Replace only with part number specified.

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
R4379	1-208-602-11	REGISTER	0.22 10%			< JACK >	
△ R4397	1-212-857-00	FUSIBLE	10 5%				
△ R4398	1-212-857-00	FUSIBLE	10 5%	J1101	1-794-024-11	JACK, PIN 6P(2ND AUDIO,CD)	
R4399	1-260-011-11	CARBON MELF	18K 2%	J1102	1-793-523-11	JACK, PIN 6P(MD/DAT,TAPE)	
R4701	1-249-422-11	CARBON	2.7K 5%			< TRANSISTOR >	
R4702	1-208-453-41	RES-CHIP	4.7K 2%				
R4703	1-208-462-41	RES-CHIP	10K 2%	Q1101	8-729-424-08	TRANSISTOR UN2111	
		< RELAY >				< RESISTOR >	
RY4701	1-755-295-11	RELAY		R1101	1-259-995-11	CARBON MELF 1K 2%	1/8W
*****							
	A-4426-450-A	AUDIO A BOARD, COMPLETE		R1102	1-259-995-11	CARBON MELF 1K 2%	1/8W
		*****		R1103	1-259-995-11	CARBON MELF 1K 2%	1/8W
		< CAPACITOR >		R1104	1-259-995-11	CARBON MELF 1K 2%	1/8W
				R1105	1-259-995-11	CARBON MELF 1K 2%	1/8W
C1101	1-119-823-11	ELECT	4.7uF 20%	R1106	1-259-995-11	CARBON MELF 1K 2%	1/8W
C1102	1-128-858-11	ELECT	22uF 20%	R1107	1-208-813-11	RES-CHIP 20K 0.5%	1/10W
C1105	1-119-823-11	ELECT	4.7uF 20%	R1108	1-208-422-41	RES-CHIP 240 2%	1/10W
C1106	1-128-858-11	ELECT	22uF 20%	R1111	1-260-032-11	CARBON MELF 1M 2%	1/8W
C1107	1-126-927-11	ELECT	2200uF 20%	R1112	1-216-254-00	CARBON MELF 220K 2%	1/8W
C1151	1-119-823-11	ELECT	4.7uF 20%	R1116	1-260-032-11	CARBON MELF 1M 2%	1/8W
C1152	1-128-858-11	ELECT	22uF 20%	R1117	1-260-032-11	CARBON MELF 1M 2%	1/8W
C1155	1-119-823-11	ELECT	4.7uF 20%	R1118	1-216-254-00	CARBON MELF 220K 2%	1/8W
C1156	1-128-858-11	ELECT	22uF 20%	R1151	1-259-995-11	CARBON MELF 1K 2%	1/8W
C1181	1-102-121-00	CERAMIC	2200PF 10%	R1152	1-259-995-11	CARBON MELF 1K 2%	1/8W
C1182	1-102-121-00	CERAMIC	2200PF 10%	R1153	1-259-995-11	CARBON MELF 1K 2%	1/8W
C1191	1-102-121-00	CERAMIC	2200PF 10%	R1154	1-259-995-11	CARBON MELF 1K 2%	1/8W
C1192	1-102-121-00	CERAMIC	2200PF 10%	R1155	1-259-995-11	CARBON MELF 1K 2%	1/8W
CC1101	1-137-358-11	MYLAR	0.0001uF 5%	R1156	1-259-995-11	CARBON MELF 1K 2%	1/8W
CC1102	1-137-358-11	MYLAR	0.0001uF 5%	R1161	1-260-032-11	CARBON MELF 1M 2%	1/8W
CC1103	1-137-358-11	MYLAR	0.0001uF 5%	R1162	1-216-254-00	CARBON MELF 220K 2%	1/8W
CC1104	1-137-358-11	MYLAR	0.0001uF 5%	R1166	1-260-032-11	CARBON MELF 1M 2%	1/8W
CC1105	1-137-358-11	MYLAR	0.0001uF 5%	R1167	1-260-032-11	CARBON MELF 1M 2%	1/8W
CC1106	1-137-358-11	MYLAR	0.0001uF 5%	R1168	1-216-254-00	CARBON MELF 220K 2%	1/8W
CC1151	1-137-358-11	MYLAR	0.0001uF 5%			< RELAY >	
CC1152	1-137-358-11	MYLAR	0.0001uF 5%	RY1101	1-755-294-11	RELAY	
CC1153	1-137-358-11	MYLAR	0.0001uF 5%	*****			
CC1154	1-137-358-11	MYLAR	0.0001uF 5%			A-4426-453-A	AUDIO V BOARD, COMPLETE
CC1155	1-137-358-11	MYLAR	0.0001uF 5%				*****
CC1156	1-137-358-11	MYLAR	0.0001uF 5%			< CAPACITOR >	
		< CONNECTOR >		C1281	1-102-121-00	CERAMIC 2200PF 10%	50V
CN1102	1-784-774-11	CONNECTOR, FFC 13P		C1282	1-102-121-00	CERAMIC 2200PF 10%	50V
CN1103	1-784-735-11	CONNECTOR, FFC 13P		CC1201	1-137-358-11	MYLAR 0.0001uF 5%	50V
* CN1104	1-564-507-11	PLUG, CONNECTOR 4P		CC1202	1-137-358-11	MYLAR 0.0001uF 5%	50V
CN1105	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		CC1203	1-137-358-11	MYLAR 0.0001uF 5%	50V
		< DIODE >		CC1204	1-137-358-11	MYLAR 0.0001uF 5%	50V
D1101	8-719-016-74	DIODE 1SS352		CC1205	1-137-358-11	MYLAR 0.0001uF 5%	50V
D1102	8-719-016-74	DIODE 1SS352		CC1206	1-137-358-11	MYLAR 0.0001uF 5%	50V
D1103	8-719-914-42	DIODE DA204K		CC1251	1-137-358-11	MYLAR 0.0001uF 5%	50V
		< IC >		CC1252	1-137-358-11	MYLAR 0.0001uF 5%	50V
IC1101	8-759-655-96	IC TA9163AF		CC1253	1-137-358-11	MYLAR 0.0001uF 5%	50V
IC1102	8-759-655-97	IC TC9162AF		CC1254	1-137-358-11	MYLAR 0.0001uF 5%	50V
IC1103	8-759-711-85	IC NJM4580E-D		CC1255	1-137-358-11	MYLAR 0.0001uF 5%	50V
IC1105	8-759-711-85	IC NJM4580E-D		CC1256	1-137-358-11	MYLAR 0.0001uF 5%	50V

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**AUDIO V**    **BIAS**    **BLUE LED**    **C VIDEO**    **CTRL-A1**

Ref. No.	Part No.	Description	Remarks
		< CONNECTOR >	
CN1201	1-784-735-11	CONNECTOR, FFC 13P	
		< IC >	
IC1201	8-759-245-17	IC TC9164N	
		< JACK >	
J1201	1-793-523-11	JACK, PIN 6P(TV/LD,DVD)	
J1202	1-793-523-11	JACK, PIN 6P(VIDEO1,VIDEO2)	
		< RESISTOR >	
R1201	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1202	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1203	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1204	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1205	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1206	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1251	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1252	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1253	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1254	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1255	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1256	1-259-995-11	CARBON MELF 1K 2% 1/8W	
*****			
	1-675-085-11	BIAS BOARD *****	
		< CAPACITOR >	
C4107	1-128-846-51	ELECT 330uF 20% 25V	
		< CONNECTOR >	
* CN4101	1-568-942-11	PIN, CONNECTOR 4P	
		< DIODE >	
D4102	8-719-911-19	DIODE 1SS119	
		< TRANSISTOR >	
Q4102	8-729-026-08	TRANSISTOR 2SC4495	
		< RESISTOR >	
R4106	1-259-999-11	CARBON MELF 2.2K 2% 1/8W	
R4107	1-259-918-11	CARBON MELF 430 2% 1/8W	
		< VARIABLE RESISTOR >	
RV4101	1-237-456-11	RES, ADJ, CARBON 1K	
*****			
	1-675-065-11	BLUE LED BOARD *****	
		< CAPACITOR >	
C105	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
		< CONNECTOR >	
* CN111	1-564-517-11	PLUG, CONNECTOR 2P	

Ref. No.	Part No.	Description	Remarks
		< DIODE >	
D101	8-719-070-83	DIODE SELU5E20C-TP15(FL BACK LIGHT)	
		< RESISTOR >	
R116	1-216-073-00	METAL CHIP 10K 5% 1/10W	
*****			
	A-4426-454-A	C VIDEO BOARD, COMPLETE *****	
		< CAPACITOR >	
C5101	1-119-824-11	ELECT MELF 10uF 20% 50V	
C5102	1-119-824-11	ELECT MELF 10uF 20% 50V	
C5103	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C5104	1-119-824-11	ELECT MELF 10uF 20% 50V	
C5105	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C5106	1-119-824-11	ELECT MELF 10uF 20% 50V	
C5107	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C5108	1-127-718-91	ELECT MELF 100uF 20% 16V	
C5109	1-163-189-00	CERAMIC CHIP 220PF 5% 50V	
C5110	1-127-718-91	ELECT MELF 100uF 20% 16V	
C5111	1-163-189-00	CERAMIC CHIP 220PF 5% 50V	
C5112	1-119-824-11	ELECT MELF 10uF 20% 50V	
C5113	1-165-319-11	CERAMIC CHIP 0.1uF 50V	
		< CONNECTOR >	
CN5101	1-568-830-11	CONNECTOR, FFC 11P	
		< IC >	
IC5101	8-759-536-24	IC NJM-2296M-TE2	
		< JACK >	
J5101	1-793-522-11	JACK, PIN 2P(TV/LD,DVD IN)	
J5102	1-785-866-21	JACK, PIN 3P(VIDEO2 IN/OUT)	
J5103	1-793-522-11	JACK, PIN 2P(VIDEO1 IN/OUT,MONITOR OUT)	
		< COIL >	
L5101	1-500-425-11	FERRITE 0uH	
L5102	1-500-425-11	FERRITE 0uH	
		< RESISTOR >	
R5101	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5102	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5103	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5104	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5105	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5106	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5107	1-208-755-11	RES-CHIP 75 2% 1/10W	
*****			
	A-4426-488-A	CTRL-A1 BOARD, COMPLETE *****	
		< CAPACITOR >	
C1601	1-127-718-91	ELECT MELF 100uF 20% 16V	
C1602	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C1603	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C1604	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C1605	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C1606	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C323	1-125-845-21	FILM 47PF 10% 50V	
C1701	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C324	1-125-845-21	FILM 47PF 10% 50V	
		< CONNECTOR >		C325	1-125-845-21	FILM 47PF 10% 50V	
CN1402	1-784-776-11	CONNECTOR, FFC 15P		C326	1-125-845-21	FILM 47PF 10% 50V	
CN1403	1-784-774-11	CONNECTOR, FFC 13P		C327	1-127-718-91	ELECT MELF 100uF 20% 16V	
CN1405	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P		C334	1-119-820-11	ELECT 1uF 20% 50V	
		< DIODE >		C335	1-119-820-11	ELECT 1uF 20% 50V	
D1701	8-719-025-33	DIODE 02CZ6.2-TE85L		C336	1-128-833-91	ELECT 330uF 20% 10V	
		< FERRITE BEAD >		C337	1-130-475-00	MYLAR 0.0022uF 5% 50V	
FB1601	1-410-397-21	FERRITE BEAD INDUCTOR		C338	1-130-495-00	MYLAR 0.1uF 5% 50V	
FB1701	1-500-245-11	INDUCTOR CHIP OUH		C339	1-130-495-00	MYLAR 0.1uF 5% 50V	
FB1702	1-500-245-11	INDUCTOR CHIP OUH		C340	1-130-495-00	MYLAR 0.1uF 5% 50V	
		< IC >		C341	1-130-495-00	MYLAR 0.1uF 5% 50V	
IC1601	8-759-557-32	IC ADM202EARN-REEL		C342	1-130-495-00	MYLAR 0.1uF 5% 50V	
		< JACK >		C343	1-130-495-00	MYLAR 0.1uF 5% 50V	
J1601	1-764-116-41	PULG, (D) SUB CONNECTOR 9P(RS-232C)		C344	1-127-718-91	ELECT MELF 100uF 20% 16V	
J1701	1-563-330-11	JACK(CONTROL A1)		C345	1-119-823-11	ELECT 4.7uF 20% 50V	
		< RESISTOR >		C346	1-119-823-11	ELECT 4.7uF 20% 50V	
R1601	1-216-025-91	RES-CHIP 100 5% 1/10W		C347	1-119-823-11	ELECT 4.7uF 20% 50V	
R1602	1-216-025-91	RES-CHIP 100 5% 1/10W		C348	1-119-823-11	ELECT 4.7uF 20% 50V	
*****							
	A-4426-437-A	DIGITAL BOARD, COMPLETE		C349	1-119-823-11	ELECT 4.7uF 20% 50V	
		*****		C350	1-119-823-11	ELECT 4.7uF 20% 50V	
*	4-931-401-31	HEAT SINK, V.OUT		C351	1-136-165-00	MYLAR 0.1uF 5% 50V	
	7-685-872-09	SCREW +BVTT 3X8 (S)		C352	1-165-319-11	CERAMIC CHIP 0.1uF 5% 50V	
		< BUS BAR >		C353	1-119-823-11	ELECT 4.7uF 20% 50V	
BB301	1-568-129-11	BAR, BUS 8P		C354	1-119-823-11	ELECT 4.7uF 20% 50V	
BB302	1-569-136-11	BAR, BUS 5P		C355	1-119-823-11	ELECT 4.7uF 20% 50V	
		< CAPACITOR >		C356	1-119-823-11	ELECT 4.7uF 20% 50V	
C303	1-136-230-00	FILM 0.0022uF 5% 100V		C357	1-119-823-11	ELECT 4.7uF 20% 50V	
C304	1-136-230-00	FILM 0.0022uF 5% 100V		C358	1-119-823-11	ELECT 4.7uF 20% 50V	
C305	1-136-230-00	FILM 0.0022uF 5% 100V		C359	1-163-003-11	CERAMIC CHIP 330PF 10% 50V	
C306	1-136-230-00	FILM 0.0022uF 5% 100V		C360	1-163-003-11	CERAMIC CHIP 330PF 10% 50V	
C307	1-136-230-00	FILM 0.0022uF 5% 100V		C361	1-163-003-11	CERAMIC CHIP 330PF 10% 50V	
C308	1-136-230-00	FILM 0.0022uF 5% 100V		C362	1-130-495-00	MYLAR 0.1uF 5% 50V	
C309	1-165-319-11	CERAMIC CHIP 0.1uF 50V		C363	1-130-495-00	MYLAR 0.1uF 5% 50V	
C310	1-128-840-11	ELECT 47uF 20% 16V		C364	1-130-495-00	MYLAR 0.1uF 5% 50V	
C311	1-128-840-11	ELECT 47uF 20% 16V		C365	1-130-495-00	MYLAR 0.1uF 5% 50V	
C312	1-125-854-21	FILM 560PF 5% 50V		C366	1-130-495-00	MYLAR 0.1uF 5% 50V	
C313	1-125-854-21	FILM 560PF 5% 50V		C367	1-130-495-00	MYLAR 0.1uF 5% 50V	
C314	1-125-854-21	FILM 560PF 5% 50V		C368	1-128-840-11	ELECT 47uF 20% 16V	
C315	1-125-854-21	FILM 560PF 5% 50V		C369	1-128-832-11	ELECT 220uF 20% 10V	
C316	1-125-854-21	FILM 560PF 5% 50V		C370	1-127-718-91	ELECT MELF 100uF 20% 16V	
C317	1-125-854-21	FILM 560PF 5% 50V		C371	1-128-840-11	ELECT 47uF 20% 16V	
C318	1-128-840-11	ELECT 47uF 20% 16V		C372	1-128-832-11	ELECT 220uF 20% 10V	
C319	1-130-475-00	MYLAR 0.0022uF 5% 50V		C373	1-127-718-91	ELECT MELF 100uF 20% 16V	
C320	1-165-319-11	CERAMIC CHIP 0.1uF 50V		C374	1-128-840-11	ELECT 47uF 20% 16V	
C321	1-125-845-21	FILM 47PF 10% 50V		C375	1-128-832-11	ELECT 220uF 20% 10V	
C322	1-125-845-21	FILM 47PF 10% 50V		C376	1-127-718-91	ELECT MELF 100uF 20% 16V	
				C377	1-128-840-11	ELECT 47uF 20% 16V	
				C378	1-128-832-11	ELECT 220uF 20% 10V	
				C379	1-127-718-91	ELECT MELF 100uF 20% 16V	
				C380	1-128-840-11	ELECT 47uF 20% 16V	
				C381	1-128-832-11	ELECT 220uF 20% 10V	
				C382	1-127-718-91	ELECT MELF 100uF 20% 16V	
				C383	1-128-840-11	ELECT 47uF 20% 16V	
				C384	1-128-832-11	ELECT 220uF 20% 10V	
				C385	1-127-718-91	ELECT MELF 100uF 20% 16V	
				C386	1-127-720-91	ELECT MELF 470uF 20% 16V	
				C387	1-127-720-91	ELECT MELF 470uF 20% 16V	
				C388	1-127-720-91	ELECT MELF 470uF 20% 16V	



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
CN306	1-784-792-11	CONNECTOR, FFC 31P		FB336	1-500-230-21	INDUCTOR OUH	
		< DIODE >		FB337	1-500-230-21	INDUCTOR OUH	
D301	8-719-801-78	DIODE 1SS184		FB338	1-500-230-21	INDUCTOR OUH	
D302	8-719-801-78	DIODE 1SS184		FB339	1-500-230-21	INDUCTOR OUH	
D303	8-719-801-78	DIODE 1SS184		FB340	1-500-230-21	INDUCTOR OUH	
D304	8-719-801-78	DIODE 1SS184		FB341	1-469-365-21	FERRITE OUH	
D305	8-719-800-76	DIODE 1SS226		FB342	1-469-365-21	FERRITE OUH	
D306	8-719-800-76	DIODE 1SS226				< IC >	
D307	8-719-800-76	DIODE 1SS226		IC301	8-759-711-85	IC NJM4580E-D	
D308	8-719-800-76	DIODE 1SS226		IC302	8-759-711-85	IC NJM4580E-D	
D309	8-719-053-18	DIODE 1SR154-400TE-25		IC303	8-759-711-85	IC NJM4580E-D	
D310	8-719-110-88	DIODE RD39ES-B2		IC304	8-759-711-85	IC NJM4580E-D	
D312	8-719-820-05	DIODE 1SS181		IC305	8-759-711-85	IC NJM4580E-D	
D313	8-719-016-74	DIODE 1SS352		IC306	8-759-711-85	IC NJM4580E-D	
D314	8-719-016-74	DIODE 1SS352		IC307	8-759-426-99	IC CXD8607N-T6	
D315	8-719-016-74	DIODE 1SS352		IC308	8-759-445-59	IC BA033T	
D316	8-719-801-78	DIODE 1SS184		IC309	8-759-445-59	IC BA033T	
D317	8-719-016-74	DIODE 1SS352		IC310	8-759-231-53	IC TA7805S	
		< TERMINAL >		IC311	8-759-231-53	IC TA7805S	
EP401	1-537-770-21	TERMINAL BOARD, GROUND		IC312	8-759-231-53	IC TA7805S	
EP402	1-537-770-21	TERMINAL BOARD, GROUND		IC313	8-759-245-79	IC TA79005S	
		< FERRITE BEAD >		IC314	8-759-231-53	IC TA7805S	
FB301	1-469-365-21	FERRITE OUH		IC315	8-759-231-53	IC TA7805S	
FB302	1-469-365-21	FERRITE OUH		IC316	8-759-231-53	IC TA7805S	
FB303	1-500-230-21	INDUCTOR OUH		IC317	8-759-233-44	IC TC74HC595AF	
FB304	1-500-230-21	INDUCTOR OUH		IC318	8-749-015-84	IC GP1F37R1(DVD OPT IN)	
FB305	1-500-230-21	INDUCTOR OUH		IC319	8-749-015-84	IC GP1F37R1(TV/LD OPT IN)	
FB306	1-469-365-21	FERRITE OUH		IC320	8-759-652-28	IC 2J1704U-2K	
FB307	1-469-365-21	FERRITE OUH		IC321	8-759-652-28	IC 2J1704U-2K	
FB308	1-469-365-21	FERRITE OUH		IC322	8-759-652-28	IC 2J1704U-2K	
FB309	1-500-230-21	INDUCTOR OUH		IC323	8-759-652-28	IC 2J1704U-2K	
FB310	1-500-230-21	INDUCTOR OUH		IC324	8-759-652-28	IC 2J1704U-2K	
FB311	1-500-230-21	INDUCTOR OUH		IC325	8-759-652-28	IC 2J1704U-2K	
FB312	1-500-230-21	INDUCTOR OUH		IC326	8-759-245-79	IC TA79005S	
FB313	1-500-230-21	INDUCTOR OUH		IC327	8-759-245-79	IC TA79005S	
FB314	1-500-230-21	INDUCTOR OUH		IC328	8-759-245-79	IC TA79005S	
FB315	1-469-365-21	FERRITE OUH		IC330	8-759-242-70	IC TC7WU04F	
FB316	1-469-365-21	FERRITE OUH		IC331	8-749-015-84	IC GP1F37R1(MD/DAT OPT IN)	
FB317	1-469-365-21	FERRITE OUH		IC332	8-749-015-62	IC GP1F38T2(MD/DAT OPT OUT)	
FB318	1-469-365-21	FERRITE OUH		IC333	8-759-996-46	IC BA6208F-T1	
FB319	1-469-365-21	FERRITE OUH		IC334	8-759-242-74	IC TC7W04F	
FB320	1-469-365-21	FERRITE OUH		IC335	8-759-242-70	IC TC7WU04F	
FB321	1-469-365-21	FERRITE OUH		IC336	8-759-233-26	IC TC74HC393AF-TP1	
FB322	1-469-365-21	FERRITE OUH		IC337	8-749-015-84	IC GP1F37R1(CD OPT IN)	
FB323	1-469-365-21	FERRITE OUH		IC338	8-759-652-26	IC DF1704E-2K	
FB324	1-469-365-21	FERRITE OUH		IC339	8-759-652-26	IC DF1704E-2K	
FB325	1-469-365-21	FERRITE OUH		IC340	8-759-652-26	IC DF1704E-2K	
FB326	1-469-365-21	FERRITE OUH		IC341	8-759-424-25	IC MC74HC151FEL	
FB327	1-469-365-21	FERRITE OUH		IC342	8-759-233-66	IC TC74HCT04AF	
FB328	1-469-365-21	FERRITE OUH		IC343	8-759-234-20	IC TC7S08F	
FB329	1-469-365-21	FERRITE OUH		IC344	8-759-367-62	IC MC74HC157AFEL	
FB330	1-469-365-21	FERRITE OUH		IC345	8-759-186-30	IC TC74VHC14F	
FB331	1-469-365-21	FERRITE OUH		IC346	8-759-424-39	IC MC74HC244AFEL	
FB332	1-469-365-21	FERRITE OUH		IC347	8-752-391-87	IC CXD2712R	
FB333	1-469-365-21	FERRITE OUH		IC348	8-752-391-87	IC CXD2712R	
FB334	1-469-365-21	FERRITE OUH		IC349	8-759-639-35	IC LC89055W-RA8	
FB335	1-500-230-21	INDUCTOR OUH		IC350	8-759-598-06	IC S-80942ANMP-DD6-T2	
				IC351	8-759-186-69	IC TC74VHC367F	

# DIGITAL

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
IC352	8-759-662-66	IC TMP87C447U-1D99		R326	1-259-926-11	CARBON MELF 2K	2% 1/8W
IC353	8-759-234-20	IC TC7S08F		R327	1-259-926-11	CARBON MELF 2K	2% 1/8W
IC354	8-759-643-42	IC CXD9511AQ		R328	1-259-926-11	CARBON MELF 2K	2% 1/8W
IC356	8-759-488-94	IC IDT71V256SA15Y-TL		R329	1-259-926-11	CARBON MELF 2K	2% 1/8W
IC357	8-759-655-94	IC HD64F2134FA20-777C		R330	1-259-927-11	CARBON MELF 2.4K	2% 1/8W
IC359	8-759-482-20	IC IDT71V124S15Y-TL		R331	1-259-927-11	CARBON MELF 2.4K	2% 1/8W
IC360	8-759-482-20	IC IDT71V124S15Y-TL		R332	1-259-927-11	CARBON MELF 2.4K	2% 1/8W
IC361	8-759-035-93	IC SC7S32F		R333	1-259-927-11	CARBON MELF 2.4K	2% 1/8W
IC362	8-759-237-43	IC TC74HC393AF(EL)		R334	1-259-927-11	CARBON MELF 2.4K	2% 1/8W
IC363	8-759-031-84	IC SC7S04F		R335	1-259-927-11	CARBON MELF 2.4K	2% 1/8W
IC364	8-759-525-10	IC TC7SET08F(TE85L)		△ R336	1-217-785-11	FUSIBLE 15	5% 5W
		< JACK >		△ R337	1-217-786-11	FUSIBLE 22	5% 5W
J301	1-568-750-21	JACK, PIN (1P SHIELD TYPE)(DVD COAX IN)		R338	1-216-627-11	METAL CHIP 100	0.5% 1/10W
J302	1-568-750-21	JACK, PIN (1P SHIELD TYPE)(CD COAX IN)		△ R339	1-217-784-11	FUSIBLE 10	5% 5W
		< COIL >		R340	1-220-753-11	CEMENTED 6.8	5% 5W
L301	1-410-385-11	INDUCTOR CHIP 22uH		△ R341	1-217-787-11	FUSIBLE 33	5% 5W
		< TRANSISTOR >		R342	1-259-983-11	CARBON MELF 100	2% 1/8W
Q301	8-729-018-59	TRANSISTOR 2SB1375-LC		R343	1-208-755-11	RES-CHIP 75	2% 1/10W
Q302	8-729-018-59	TRANSISTOR 2SB1375-LC		R344	1-259-983-11	CARBON MELF 100	2% 1/8W
Q303	8-729-421-22	TRANSISTOR UN2211		R345	1-208-462-41	RES-CHIP 10K	2% 1/10W
Q304	8-729-424-08	TRANSISTOR UN2111		R346	1-208-462-41	RES-CHIP 10K	2% 1/10W
Q305	8-729-421-22	TRANSISTOR UN2211		R347	1-208-462-41	RES-CHIP 10K	2% 1/10W
Q306	8-729-018-60	TRANSISTOR 2SD2012-LC		R348	1-208-462-41	RES-CHIP 10K	2% 1/10W
Q307	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L		R349	1-208-462-41	RES-CHIP 10K	2% 1/10W
Q308	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L		R350	1-208-462-41	RES-CHIP 10K	2% 1/10W
Q309	8-729-216-22	TRANSISTOR 2SA1162-G		R351	1-259-979-11	CARBON MELF 47	2% 1/8W
Q310	8-729-018-60	TRANSISTOR 2SD2012-LC		R352	1-259-995-11	CARBON MELF 1K	2% 1/8W
Q311	8-729-421-22	TRANSISTOR UN2211		R353	1-208-437-41	RES-CHIP 1K	2% 1/10W
		< RESISTOR >		R354	1-208-462-41	RES-CHIP 10K	2% 1/10W
R301	1-216-635-11	METAL CHIP 220	0.5% 1/10W	R355	1-208-437-41	RES-CHIP 1K	2% 1/10W
R302	1-216-635-11	METAL CHIP 220	0.5% 1/10W	R363	1-216-627-11	METAL CHIP 100	0.5% 1/10W
R303	1-208-462-41	RES-CHIP 10K	2% 1/10W	R364	1-208-425-41	RES-CHIP 330	2% 1/10W
R304	1-208-462-41	RES-CHIP 10K	2% 1/10W	R365	1-208-425-41	RES-CHIP 330	2% 1/10W
R305	1-208-462-41	RES-CHIP 10K	2% 1/10W	R366	1-208-425-41	RES-CHIP 330	2% 1/10W
R306	1-208-462-41	RES-CHIP 10K	2% 1/10W	R367	1-208-425-41	RES-CHIP 330	2% 1/10W
R307	1-259-995-11	CARBON MELF 1K	2% 1/8W	R368	1-208-462-41	RES-CHIP 10K	2% 1/10W
R308	1-259-983-11	CARBON MELF 100	2% 1/8W	R369	1-208-462-41	RES-CHIP 10K	2% 1/10W
R309	1-259-983-11	CARBON MELF 100	2% 1/8W	R370	1-208-425-41	RES-CHIP 330	2% 1/10W
R310	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R371	1-208-425-41	RES-CHIP 330	2% 1/10W
R311	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R372	1-208-425-41	RES-CHIP 330	2% 1/10W
R312	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R373	1-208-425-41	RES-CHIP 330	2% 1/10W
R313	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R374	1-216-627-11	METAL CHIP 100	0.5% 1/10W
R314	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R375	1-208-425-41	RES-CHIP 330	2% 1/10W
R315	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R376	1-208-425-41	RES-CHIP 330	2% 1/10W
R316	1-208-755-11	RES-CHIP 75	2% 1/10W	R377	1-208-425-41	RES-CHIP 330	2% 1/10W
R317	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R378	1-208-425-41	RES-CHIP 330	2% 1/10W
R318	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R379	1-216-627-11	METAL CHIP 100	0.5% 1/10W
R319	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R380	1-208-425-41	RES-CHIP 330	2% 1/10W
R320	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R381	1-208-425-41	RES-CHIP 330	2% 1/10W
R321	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R382	1-208-425-41	RES-CHIP 330	2% 1/10W
R322	1-260-004-11	CARBON MELF 4.7K	2% 1/8W	R383	1-208-425-41	RES-CHIP 330	2% 1/10W
R323	1-259-995-11	CARBON MELF 1K	2% 1/8W	R384	1-216-627-11	METAL CHIP 100	0.5% 1/10W
R324	1-259-926-11	CARBON MELF 2K	2% 1/8W	R385	1-218-776-11	METAL CHIP 1M	0.5% 1/10W
R325	1-259-926-11	CARBON MELF 2K	2% 1/8W	R386	1-208-776-11	RES-CHIP 560	2% 1/10W
				R387	1-216-627-11	METAL CHIP 100	0.5% 1/10W

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



Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R388	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R448	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R390	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R449	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R391	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R450	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R392	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R451	1-259-979-11	CARBON MELF	47	2%	1/8W
R393	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R452	1-259-979-11	CARBON MELF	47	2%	1/8W
R394	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R453	1-259-995-11	CARBON MELF	1K	2%	1/8W
R395	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R454	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R396	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R455	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R397	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R456	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R398	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R457	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R399	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R458	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R400	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R459	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R401	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R460	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R402	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R461	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R403	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R462	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R404	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R463	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R405	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R464	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R406	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R465	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R407	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R466	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R408	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R467	1-208-462-41	RES-CHIP	10K	2%	1/10W
R409	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R468	1-208-518-41	RES-CHIP	22K	2%	1/10W
R410	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R469	1-208-518-41	RES-CHIP	22K	2%	1/10W
R411	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R470	1-208-518-41	RES-CHIP	22K	2%	1/10W
R412	1-208-462-41	RES-CHIP	10K	2%	1/10W	R471	1-208-462-41	RES-CHIP	10K	2%	1/10W
R413	1-208-799-11	RES-CHIP	5.1K	2%	1/10W	R472	1-208-462-41	RES-CHIP	10K	2%	1/10W
R414	1-208-462-41	RES-CHIP	10K	2%	1/10W	R473	1-208-462-41	RES-CHIP	10K	2%	1/10W
R415	1-208-755-11	RES-CHIP	75	2%	1/10W	R474	1-208-462-41	RES-CHIP	10K	2%	1/10W
R416	1-208-799-11	RES-CHIP	5.1K	2%	1/10W	R475	1-208-462-41	RES-CHIP	10K	2%	1/10W
R417	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W	R476	1-208-462-41	RES-CHIP	10K	2%	1/10W
R418	1-218-776-11	METAL CHIP	1M	0.5%	1/10W	R477	1-208-462-41	RES-CHIP	10K	2%	1/10W
R419	1-208-462-41	RES-CHIP	10K	2%	1/10W	R478	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R420	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R479		METAL CHIP	680	0.5%	1/10W
R421	1-208-462-41	RES-CHIP	10K	2%	1/10W	R480	1-208-462-41	RES-CHIP	10K	2%	1/10W
R422	1-208-462-41	RES-CHIP	10K	2%	1/10W	R481	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R423	1-208-462-41	RES-CHIP	10K	2%	1/10W	R482	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R424	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R483	1-208-462-41	RES-CHIP	10K	2%	1/10W
R425	1-208-462-41	RES-CHIP	10K	2%	1/10W	R484	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R426	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R485	1-208-518-41	RES-CHIP	22K	2%	1/10W
R427	1-208-462-41	RES-CHIP	10K	2%	1/10W	R486	1-208-518-41	RES-CHIP	22K	2%	1/10W
R428	1-218-776-11	METAL CHIP	1M	0.5%	1/10W	R487	1-208-518-41	RES-CHIP	22K	2%	1/10W
R431	1-208-462-41	RES-CHIP	10K	2%	1/10W	R488	1-208-462-41	RES-CHIP	10K	2%	1/10W
R434	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R489	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R435	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R490	1-208-462-41	RES-CHIP	10K	2%	1/10W
R436	1-208-437-41	RES-CHIP	1K	2%	1/10W	R491	1-208-462-41	RES-CHIP	10K	2%	1/10W
R437	1-208-437-41	RES-CHIP	1K	2%	1/10W	△ R492	1-212-865-00	FUSIBLE	22	5%	1/4W
R438	1-208-437-41	RES-CHIP	1K	2%	1/10W	R493	1-208-462-41	RES-CHIP	10K	2%	1/10W
R439	1-208-437-41	RES-CHIP	1K	2%	1/10W	R494	1-208-462-41	RES-CHIP	10K	2%	1/10W
R440	1-208-437-41	RES-CHIP	1K	2%	1/10W	R495	1-208-462-41	RES-CHIP	10K	2%	1/10W
R441	1-208-437-41	RES-CHIP	1K	2%	1/10W	R496	1-208-462-41	RES-CHIP	10K	2%	1/10W
R442	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R497	1-208-462-41	RES-CHIP	10K	2%	1/10W
R443	1-208-462-41	RES-CHIP	10K	2%	1/10W	R498	1-208-462-41	RES-CHIP	10K	2%	1/10W
R444	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R499	1-208-462-41	RES-CHIP	10K	2%	1/10W
R445	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R500	1-208-462-41	RES-CHIP	10K	2%	1/10W
R446	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R501	1-208-425-41	RES-CHIP	330	2%	1/10W
R447	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R502	1-208-425-41	RES-CHIP	330	2%	1/10W

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

**DIGITAL**

**DISPLAY**

Ref. No.	Part No.	Description	Quantity	Percentage	Remarks
R503	1-208-425-41	RES-CHIP	330	2%	1/10W
R504	1-208-425-41	RES-CHIP	330	2%	1/10W
R505	1-208-425-41	RES-CHIP	330	2%	1/10W
R506	1-208-425-41	RES-CHIP	330	2%	1/10W
R507	1-208-425-41	RES-CHIP	330	2%	1/10W
R508	1-208-425-41	RES-CHIP	330	2%	1/10W
R509	1-208-425-41	RES-CHIP	330	2%	1/10W
R510	1-208-425-41	RES-CHIP	330	2%	1/10W
R511	1-208-425-41	RES-CHIP	330	2%	1/10W
R512	1-208-425-41	RES-CHIP	330	2%	1/10W
R513	1-208-425-41	RES-CHIP	330	2%	1/10W
R514	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R515	1-208-425-41	RES-CHIP	330	2%	1/10W
R516	1-208-425-41	RES-CHIP	330	2%	1/10W
R517	1-208-425-41	RES-CHIP	330	2%	1/10W
R518	1-208-425-41	RES-CHIP	330	2%	1/10W
R519	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R520	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R521	1-208-425-41	RES-CHIP	330	2%	1/10W
R522	1-208-425-41	RES-CHIP	330	2%	1/10W
R523	1-208-425-41	RES-CHIP	330	2%	1/10W
R524	1-208-425-41	RES-CHIP	330	2%	1/10W
R525	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R526	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R527	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R528	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R529	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R530	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R531	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R532	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R533	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R534	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R535	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R536	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R537	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R538	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R539	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R540	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R541	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R542	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R543	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R544	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R545	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R546	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R547	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R548	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R549	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R550	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R551	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R552	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R553	1-208-425-41	RES-CHIP	330	2%	1/10W
R554	1-208-425-41	RES-CHIP	330	2%	1/10W
R555	1-208-425-41	RES-CHIP	330	2%	1/10W
R556	1-218-776-11	METAL CHIP	1M	0.5%	1/10W
R557	1-208-425-41	RES-CHIP	330	2%	1/10W
R558	1-208-425-41	RES-CHIP	330	2%	1/10W
R559	1-208-425-41	RES-CHIP	330	2%	1/10W
R560	1-208-425-41	RES-CHIP	330	2%	1/10W

Ref. No.	Part No.	Description	Quantity	Percentage	Remarks
R561	1-218-776-11	METAL CHIP	1M	0.5%	1/10W
R562	1-208-425-41	RES-CHIP	330	2%	1/10W
R563	1-208-425-41	RES-CHIP	330	2%	1/10W
R564	1-208-425-41	RES-CHIP	330	2%	1/10W
R565	1-208-425-41	RES-CHIP	330	2%	1/10W
R566	1-208-425-41	RES-CHIP	330	2%	1/10W
R567	1-208-425-41	RES-CHIP	330	2%	1/10W
R568	1-208-425-41	RES-CHIP	330	2%	1/10W
R569	1-208-425-41	RES-CHIP	330	2%	1/10W
R570	1-208-425-41	RES-CHIP	330	2%	1/10W
R571	1-208-425-41	RES-CHIP	330	2%	1/10W
R572	1-208-425-41	RES-CHIP	330	2%	1/10W
R573	1-208-425-41	RES-CHIP	330	2%	1/10W
R574	1-208-425-41	RES-CHIP	330	2%	1/10W
R575	1-208-425-41	RES-CHIP	330	2%	1/10W
R576	1-208-425-41	RES-CHIP	330	2%	1/10W
R577	1-208-425-41	RES-CHIP	330	2%	1/10W
R578	1-208-425-41	RES-CHIP	330	2%	1/10W
R579	1-208-425-41	RES-CHIP	330	2%	1/10W
R580	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R581	1-215-863-11	METAL OXIDE	100	5%	1W
R582	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R583	1-208-425-41	RES-CHIP	330	2%	1/10W
R584	1-208-425-41	RES-CHIP	330	2%	1/10W
R586	1-208-425-41	RES-CHIP	330	2%	1/10W
R587	1-208-425-41	RES-CHIP	330	2%	1/10W
R588	1-414-232-22	INDUCTOR CHIP	0UH		
R589	1-208-425-41	RES-CHIP	330	2%	1/10W
R590	1-208-425-41	RES-CHIP	330	2%	1/10W
< VIBRATOR >					
X301	1-781-465-21	VIBRATOR, CRYSTAL (12.288 MHz)			
X302	1-781-464-21	VIBRATOR, CERAMIC (10 MHz)			
X303	1-781-464-21	VIBRATOR, CERAMIC (10 MHz)			
X304	1-767-938-21	VIBRATOR, CERAMIC (7.28 MHz)			
X305	1-781-088-21	VIBRATOR, CERAMIC (20 MHz)			
*****					
A-4426-440-A DISPLAY BOARD, COMPLETE					
*****					
4-222-051-01 HOLDER (FL/L)					
*	4-921-941-01	CUSHION (FL)			
*	4-990-797-01	HOLDER (FL)			
< CAPACITOR >					
C101	1-127-736-11	ELECT MELF	10uF	20%	52V
C102	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C107	1-127-736-11	ELECT MELF	10uF	20%	52V
C115	1-127-736-11	ELECT MELF	10uF	20%	52V
C116	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C117	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C118	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C119	1-128-840-11	ELECT	47uF	20%	16V
C120	1-128-840-11	ELECT	47uF	20%	16V
C121	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C122	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C123	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C124	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C125	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C126	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C127	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	IC109	8-759-999-53	IC MSC1164GS-K	
C128	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	IC111	8-759-035-93	IC SC7S32F	
C129	1-165-319-11	CERAMIC CHIP	0.1uF 50V			< TRANSISTOR >	
C130	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V				
C131	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V				
C133	1-163-259-91	CERAMIC CHIP	220PF 5% 50V	Q101	8-729-422-38	TRANSISTOR 2SB709A-S	
C134	1-163-259-91	CERAMIC CHIP	220PF 5% 50V	Q102	8-729-422-38	TRANSISTOR 2SB709A-S	
C135	1-163-259-91	CERAMIC CHIP	220PF 5% 50V	Q103	8-729-422-38	TRANSISTOR 2SB709A-S	
C136	1-163-259-91	CERAMIC CHIP	220PF 5% 50V	Q104	8-729-422-38	TRANSISTOR 2SB709A-S	
C137	1-126-916-11	ELECT	1000uF 20% 6.3V	Q105	8-729-230-49	TRANSISTOR 2SC2712-YG	
C138	1-126-916-11	ELECT	1000uF 20% 6.3V	Q106	8-729-230-49	TRANSISTOR 2SC2712-YG	
C139	1-126-916-11	ELECT	1000uF 20% 6.3V	Q107	8-729-230-49	TRANSISTOR 2SC2712-YG	
C140	1-126-916-11	ELECT	1000uF 20% 6.3V	Q108	8-729-230-49	TRANSISTOR 2SC2712-YG	
C146	1-165-319-11	CERAMIC CHIP	0.1uF 50V	Q112	8-729-424-18	TRANSISTOR UN2113-TX	
C147	1-165-319-11	CERAMIC CHIP	0.1uF 50V			< RESISTOR >	
C148	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R101	1-208-462-41	RES-CHIP 10K 2%	1/10W
C149	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R105	1-208-462-41	RES-CHIP 10K 2%	1/10W
C150	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R111	1-216-380-11	METAL OXIDE 8.2 5%	2W
C151	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R118	1-218-776-11	METAL CHIP 1M 0.5%	1/10W
C152	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R120	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
C153	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R121	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
C154	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R122	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
C155	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R123	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
C158	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	R125	1-216-635-11	METAL CHIP 220 0.5%	1/10W
C495	1-163-101-00	CERAMIC CHIP	22PF 5% 50V	R126	1-216-619-11	METAL CHIP 47 0.5%	1/10W
		< CONNECTOR >		R127	1-216-619-11	METAL CHIP 47 0.5%	1/10W
* CN101	1-564-520-11	PLUG, CONNECTOR 5P		R128	1-216-298-00	METAL CHIP 2.2 5%	1/10W
* CN102	1-568-946-11	PIN, CONNECTOR 8P		R129	1-216-298-00	METAL CHIP 2.2 5%	1/10W
* CN103	1-568-941-11	PIN, CONNECTOR 3P		R136	1-208-449-41	RES-CHIP 3.3K 2%	1/10W
CN104	1-506-481-11	PIN, CONNECTOR 2P		R138	1-208-462-41	RES-CHIP 10K 2%	1/10W
* CN105	1-564-517-11	PLUG, CONNECTOR 2P		R139	1-208-462-41	RES-CHIP 10K 2%	1/10W
CN106	1-691-644-11	SOCKET, CONNECTOR 7P		R140	1-208-462-41	RES-CHIP 10K 2%	1/10W
CN107	1-770-636-11	CONNECTOR, FFC/FPC 5P		R141	1-208-453-41	RES-CHIP 4.7K 2%	1/10W
CN110	1-784-792-11	CONNECTOR, FFC 31P		R142	1-208-453-41	RES-CHIP 4.7K 2%	1/10W
* CN118	1-568-944-11	PIN, CONNECTOR 6P		R143	1-208-453-41	RES-CHIP 4.7K 2%	1/10W
		< DIODE >		R144	1-208-462-41	RES-CHIP 10K 2%	1/10W
D102	8-719-105-82	DIODE RD5.1M-B2		R145	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
D111	8-719-820-05	DIODE 1SS181		R146	1-216-655-11	METAL CHIP 1.5K 0.5%	1/10W
D112	8-719-820-05	DIODE 1SS181		R147	1-208-462-41	RES-CHIP 10K 2%	1/10W
		< FERRITE BEAD >		R148	1-216-655-11	METAL CHIP 1.5K 0.5%	1/10W
FB101	1-469-365-21	FERRITE 0UH		R149	1-208-437-41	RES-CHIP 1K 2%	1/10W
FB102	1-469-365-21	FERRITE 0UH		R150	1-208-437-41	RES-CHIP 1K 2%	1/10W
FB103	1-469-365-21	FERRITE 0UH		R151	1-216-647-11	METAL CHIP 680 0.5%	1/10W
FB104	1-469-365-21	FERRITE 0UH		R152	1-216-647-11	METAL CHIP 680 0.5%	1/10W
FB105	1-469-365-21	FERRITE 0UH		R153	1-208-774-11	RES-CHIP 470 2%	1/10W
		< FILTER >		R154	1-208-774-11	RES-CHIP 470 2%	1/10W
FL101	1-517-781-21	INDICATOR TUBE, FLUORESCENT		R155	1-208-425-41	RES-CHIP 330 2%	1/10W
FL102	1-517-905-11	INDICATOR TUBE, FLUORESCENT		R156	1-208-425-41	RES-CHIP 330 2%	1/10W
		< IC >		R157	1-208-462-41	RES-CHIP 10K 2%	1/10W
IC101	8-759-633-65	IC M54641L		R158	1-208-462-41	RES-CHIP 10K 2%	1/10W
IC102	8-759-640-41	IC BR24C08F-WE2		R159	1-208-462-41	RES-CHIP 10K 2%	1/10W
IC103	8-759-655-95	IC HD64F2134FA20-777D		R160	1-208-449-41	RES-CHIP 3.3K 2%	1/10W
IC107	8-759-642-81	IC MSM9202-11GS-KDR1		R161	1-208-462-41	RES-CHIP 10K 2%	1/10W
IC108	8-759-075-35	IC TD62C950RF		R162	1-208-462-41	RES-CHIP 10K 2%	1/10W
				R163	1-208-462-41	RES-CHIP 10K 2%	1/10W
				R164	1-208-462-41	RES-CHIP 10K 2%	1/10W
				R165	1-208-462-41	RES-CHIP 10K 2%	1/10W
				R166	1-208-462-41	RES-CHIP 10K 2%	1/10W
				R167	1-208-462-41	RES-CHIP 10K 2%	1/10W
				R168	1-208-462-41	RES-CHIP 10K 2%	1/10W



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
S128	1-762-875-21	SWITCH, KEYBOARD(ANALOG DIRECT)		C2456	1-128-858-11	ELECT 22uF 20%	50V
S129	1-762-875-21	SWITCH, KEYBOARD(EQ BANK)		C2457	1-165-319-11	CERAMIC CHIP 0.1uF	50V
S130	1-762-875-21	SWITCH, KEYBOARD(5.1CH INPUT)		C2458	1-165-319-11	CERAMIC CHIP 0.1uF	50V
		< VIBRATOR >		C2459	1-165-319-11	CERAMIC CHIP 0.1uF	50V
X101	1-781-088-21	VIBRATOR, CERAMIC (20 MHz)		C2462	1-128-858-11	ELECT 22uF 20%	50V
*****				C2500	1-163-001-11	CERAMIC CHIP 220PF 10%	50V
	A-4426-459-A	E VOL BOARD, COMPLETE		C2501	1-128-858-11	ELECT 22uF 20%	50V
		*****		C2502	1-128-858-11	ELECT 22uF 20%	50V
		< BUS BAR >		C2503	1-128-858-11	ELECT 22uF 20%	50V
BB2001	1-568-129-11	BAR, BUS 8P		C2504	1-107-504-11	CERAMIC 10PF 0.5PF	500V
		< CAPACITOR >		C2505	1-119-820-11	ELECT 1uF 20%	50V
C1103	1-128-858-11	ELECT 22uF 20%	50V	C2506	1-128-858-11	ELECT 22uF 20%	50V
C1104	1-128-858-11	ELECT 22uF 20%	50V	C2511	1-128-858-11	ELECT 22uF 20%	50V
C1153	1-128-858-11	ELECT 22uF 20%	50V	C2512	1-128-858-11	ELECT 22uF 20%	50V
C1154	1-128-858-11	ELECT 22uF 20%	50V	C2513	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C2301	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C2514	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C2302	1-102-121-00	CERAMIC 2200PF 10%	50V	C2515	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C2303	1-102-121-00	CERAMIC 2200PF 10%	50V	C2551	1-128-858-11	ELECT 22uF 20%	50V
C2304	1-107-504-11	CERAMIC 10PF 0.5PF	500V	C2552	1-128-858-11	ELECT 22uF 20%	50V
C2305	1-119-820-11	ELECT 1uF 20%	50V	C2553	1-128-858-11	ELECT 22uF 20%	50V
C2306	1-128-858-11	ELECT 22uF 20%	50V	C2554	1-107-504-11	CERAMIC 10PF 0.5PF	500V
C2311	1-128-858-11	ELECT 22uF 20%	50V	C2555	1-119-820-11	ELECT 1uF 20%	50V
C2312	1-128-858-11	ELECT 22uF 20%	50V	C2556	1-128-858-11	ELECT 22uF 20%	50V
C2313	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C2561	1-128-858-11	ELECT 22uF 20%	50V
C2314	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C2562	1-128-858-11	ELECT 22uF 20%	50V
C2315	1-136-165-00	MYLAR 0.1uF 5%	50V	C3101	1-119-824-11	ELECT MELF 10uF 20%	50V
C2316	1-136-165-00	MYLAR 0.1uF 5%	50V	C3102	1-119-824-11	ELECT MELF 10uF 20%	50V
C2317	1-136-165-00	MYLAR 0.1uF 5%	50V	C3103	1-137-504-11	MYLAR 150PF 5%	50V
C2319	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C3104	1-137-504-11	MYLAR 150PF 5%	50V
C2340	1-163-001-11	CERAMIC CHIP 220PF 10%	50V	C3110	1-119-827-11	ELECT MELF 100uF 20%	25V
C2345	1-163-001-11	CERAMIC CHIP 220PF 10%	50V	C3111	1-136-165-00	MYLAR 0.1uF 5%	50V
C2346	1-163-001-11	CERAMIC CHIP 220PF 10%	50V	C3151	1-119-824-11	ELECT MELF 10uF 20%	50V
C2352	1-102-121-00	CERAMIC 2200PF 10%	50V	C3152	1-119-824-11	ELECT MELF 10uF 20%	50V
C2353	1-102-121-00	CERAMIC 2200PF 10%	50V	C3153	1-137-504-11	MYLAR 150PF 5%	50V
C2354	1-107-504-11	CERAMIC 10PF 0.5PF	500V	C3154	1-137-504-11	MYLAR 150PF 5%	50V
C2355	1-119-820-11	ELECT 1uF 20%	50V	C3155	1-119-824-11	ELECT MELF 10uF 20%	50V
C2356	1-128-858-11	ELECT 22uF 20%	50V	C3156	1-136-165-00	MYLAR 0.1uF 5%	50V
C2361	1-128-858-11	ELECT 22uF 20%	50V	C3207	1-136-165-00	MYLAR 0.1uF 5%	50V
C2362	1-128-858-11	ELECT 22uF 20%	50V	C3208	1-136-165-00	MYLAR 0.1uF 5%	50V
C2400	1-163-001-11	CERAMIC CHIP 220PF 10%	50V	C3210	1-127-726-51	ELECT MELF 470uF 20%	25V
C2401	1-128-858-11	ELECT 22uF 20%	50V	C3260	1-127-726-51	ELECT MELF 470uF 20%	25V
C2402	1-128-858-11	ELECT 22uF 20%	50V	C3307	1-136-165-00	MYLAR 0.1uF 5%	50V
C2403	1-128-858-11	ELECT 22uF 20%	50V	C3308	1-136-165-00	MYLAR 0.1uF 5%	50V
C2404	1-107-504-11	CERAMIC 10PF 0.5PF	500V	C3310	1-119-827-11	ELECT MELF 100uF 20%	25V
C2405	1-119-820-11	ELECT 1uF 20%	50V	C3311	1-119-804-21	ELECT 1000uF 20%	25V
C2406	1-128-858-11	ELECT 22uF 20%	50V	C3312	1-119-804-21	ELECT 1000uF 20%	25V
C2411	1-128-858-11	ELECT 22uF 20%	50V	C3357	1-136-165-00	MYLAR 0.1uF 5%	50V
C2412	1-128-858-11	ELECT 22uF 20%	50V	C3358	1-136-165-00	MYLAR 0.1uF 5%	50V
C2413	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C3360	1-119-827-11	ELECT MELF 100uF 20%	25V
C2414	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C3361	1-119-804-21	ELECT 1000uF 20%	25V
C2415	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C3362	1-119-804-21	ELECT 1000uF 20%	25V
C2451	1-128-860-11	ELECT 47uF 20%	50V	C3409	1-127-726-51	ELECT MELF 470uF 20%	25V
C2452	1-128-858-11	ELECT 22uF 20%	50V	C3457	1-136-165-00	MYLAR 0.1uF 5%	50V
C2453	1-128-858-11	ELECT 22uF 20%	50V	C3458	1-136-165-00	MYLAR 0.1uF 5%	50V
C2454	1-107-504-11	CERAMIC 10PF 0.5PF	500V	C3459	1-127-726-51	ELECT MELF 470uF 20%	25V
C2455	1-119-820-11	ELECT 1uF 20%	50V				

# E VOL

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< CONNECTOR >							
CN2001	1-691-768-11	PLUG (MICRO CONNECTOR) 6P		IC2502	8-759-711-85	IC NJM4580E-D	
CN2002	1-691-771-11	PLUG (MICRO CONNECTOR) 9P		IC2503	8-759-711-85	IC NJM4580E-D	
CN2004	1-691-765-21	PLUG (MICRO CONNECTOR) 3P		IC2504	8-759-711-85	IC NJM4580E-D	
CN2005	1-779-768-11	SOCKET, CONNECTOR 29P		IC2505	8-759-711-85	IC NJM4580E-D	
CN2006	1-691-767-11	PLUG (MICRO CONNECTOR) 5P		IC2601	8-759-711-85	IC NJM4580E-D	
* CN2007	1-564-512-11	PLUG, CONNECTOR 9P		IC2602	8-759-711-85	IC NJM4580E-D	
* CN2008	1-564-507-11	PLUG, CONNECTOR 4P		IC2603	8-759-711-85	IC NJM4580E-D	
CN2010	1-691-765-21	PLUG (MICRO CONNECTOR) 3P		IC3105	8-759-604-35	IC M5F78M05L	
CN2011	1-691-765-21	PLUG (MICRO CONNECTOR) 3P		IC3205	8-759-231-59	IC TA7815S	
CN2012	1-691-765-31	PLUG (MICRO CONNECTOR) 3P		IC3305	8-759-604-40	IC M5F78M15	
CN2013	1-691-765-31	PLUG (MICRO CONNECTOR) 3P		IC3306	8-759-604-46	IC M5F79M15	
CN2014	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		IC3455	8-759-245-87	IC TA7915S	
CN2015	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		< TRANSISTOR >			
< DIODE >							
D2301	8-719-016-74	DIODE 1SS352		Q2301	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2302	8-719-820-05	DIODE 1SS181		Q2302	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2312	8-719-016-74	DIODE 1SS352		Q2303	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2313	8-719-016-74	DIODE 1SS352		Q2304	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2314	8-719-016-74	DIODE 1SS352		Q2305	8-729-424-08	TRANSISTOR UN2111	
D2362	8-719-016-74	DIODE 1SS352		Q2306	8-729-421-19	TRANSISTOR UN2213	
D2363	8-719-016-74	DIODE 1SS352		Q2307	8-729-424-08	TRANSISTOR UN2111	
D2364	8-719-016-74	DIODE 1SS352		Q2308	8-729-421-19	TRANSISTOR UN2213	
D2402	8-719-820-05	DIODE 1SS181		Q2310	8-729-424-08	TRANSISTOR UN2111	
D2412	8-719-016-74	DIODE 1SS352		Q2311	8-729-421-19	TRANSISTOR UN2213	
D2413	8-719-016-74	DIODE 1SS352		Q2312	8-729-424-08	TRANSISTOR UN2111	
D2414	8-719-016-74	DIODE 1SS352		Q2313	8-729-421-19	TRANSISTOR UN2213	
D2452	8-719-016-74	DIODE 1SS352		Q2314	8-729-424-08	TRANSISTOR UN2111	
D2453	8-719-016-74	DIODE 1SS352		Q2315	8-729-421-19	TRANSISTOR UN2213	
D2454	8-719-016-74	DIODE 1SS352		Q2351	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2502	8-719-820-05	DIODE 1SS181		Q2352	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2512	8-719-016-74	DIODE 1SS352		Q2353	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2513	8-719-016-74	DIODE 1SS352		Q2354	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2514	8-719-016-74	DIODE 1SS352		Q2401	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2562	8-719-016-74	DIODE 1SS352		Q2402	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2563	8-719-016-74	DIODE 1SS352		Q2403	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2564	8-719-016-74	DIODE 1SS352		Q2404	8-729-107-46	TRANSISTOR 2SC3624A-L15	
D2601	8-719-820-05	DIODE 1SS181		Q2410	8-729-424-08	TRANSISTOR UN2111	
< IC >							
IC1104	8-759-711-85	IC NJM4580E-D		Q2411	8-729-421-19	TRANSISTOR UN2213	
IC2301	8-759-711-85	IC NJM4580E-D		Q2412	8-729-424-08	TRANSISTOR UN2111	
IC2302	8-759-711-85	IC NJM4580E-D		Q2413	8-729-421-19	TRANSISTOR UN2213	
IC2304	8-759-711-85	IC NJM4580E-D		Q2414	8-729-424-08	TRANSISTOR UN2111	
IC2305	8-759-655-98	IC TC9162AN		Q2415	8-729-421-19	TRANSISTOR UN2213	
IC2306	8-759-204-29	IC TC9163N		Q2451	8-729-107-46	TRANSISTOR 2SC3624A-L15	
IC2307	8-759-032-59	IC MC74HC595AF		Q2452	8-729-107-46	TRANSISTOR 2SC3624A-L15	
IC2308	8-759-032-59	IC MC74HC595AF		Q2453	8-729-107-46	TRANSISTOR 2SC3624A-L15	
IC2309	8-759-433-92	IC TC7W14F-TE12L		Q2454	8-729-107-46	TRANSISTOR 2SC3624A-L15	
IC2401	8-759-534-63	IC TC9299P		Q2460	8-729-424-08	TRANSISTOR UN2111	
IC2402	8-759-711-85	IC NJM4580E-D		Q2461	8-729-421-19	TRANSISTOR UN2213	
IC2403	8-759-711-85	IC NJM4580E-D		Q2462	8-729-424-08	TRANSISTOR UN2111	
IC2404	8-759-711-85	IC NJM4580E-D		Q2463	8-729-421-19	TRANSISTOR UN2213	
IC2405	8-759-711-85	IC NJM4580E-D		Q2464	8-729-424-08	TRANSISTOR UN2111	
IC2501	8-759-534-63	IC TC9299P		Q2465	8-729-421-19	TRANSISTOR UN2213	
				Q2501	8-729-107-46	TRANSISTOR 2SC3624A-L15	
				Q2502	8-729-107-46	TRANSISTOR 2SC3624A-L15	
				Q2503	8-729-107-46	TRANSISTOR 2SC3624A-L15	
				Q2504	8-729-107-46	TRANSISTOR 2SC3624A-L15	
				Q2510	8-729-424-08	TRANSISTOR UN2111	
				Q2511	8-729-421-19	TRANSISTOR UN2213	
				Q2512	8-729-424-08	TRANSISTOR UN2111	

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
Q2513	8-729-421-19	TRANSISTOR UN2213		R2338	1-260-012-11	CARBON MELF 22K	2% 1/8W
Q2514	8-729-424-08	TRANSISTOR UN2111		R2339	1-260-012-11	CARBON MELF 22K	2% 1/8W
Q2515	8-729-421-19	TRANSISTOR UN2213		R2340	1-208-437-41	RES-CHIP 1K	2% 1/10W
Q2551	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2341	1-216-699-11	METAL CHIP 100K	0.5% 1/10W
Q2552	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2342	1-208-437-41	RES-CHIP 1K	2% 1/10W
Q2553	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2343	1-216-699-11	METAL CHIP 100K	0.5% 1/10W
Q2554	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2345	1-216-699-11	METAL CHIP 100K	0.5% 1/10W
Q2601	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2346	1-259-995-11	CARBON MELF 1K	2% 1/8W
Q2602	8-729-424-08	TRANSISTOR UN2111		R2347	1-259-995-11	CARBON MELF 1K	2% 1/8W
Q2603	8-729-421-19	TRANSISTOR UN2213		R2348	1-259-995-11	CARBON MELF 1K	2% 1/8W
Q2651	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2349	1-259-995-11	CARBON MELF 1K	2% 1/8W
Q3156	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2351	1-208-437-41	RES-CHIP 1K	2% 1/10W
		< RESISTOR >		R2353	1-259-995-11	CARBON MELF 1K	2% 1/8W
R1113	1-260-020-11	CARBON MELF 100K	2% 1/8W	R2355	1-260-026-11	CARBON MELF 330K	2% 1/8W
R1114	1-260-020-11	CARBON MELF 100K	2% 1/8W	R2356	1-259-929-11	CARBON MELF 3.6K	2% 1/8W
R1115	1-216-254-00	CARBON MELF 220K	2% 1/8W	R2357	1-260-002-11	CARBON MELF 3.3K	2% 1/8W
R1163	1-260-020-11	CARBON MELF 100K	2% 1/8W	R2358	1-260-008-11	CARBON MELF 10K	2% 1/8W
R1164	1-260-020-11	CARBON MELF 100K	2% 1/8W	R2359	1-259-998-11	CARBON MELF 1.8K	2% 1/8W
R1165	1-216-254-00	CARBON MELF 220K	2% 1/8W	R2360	1-259-925-11	CARBON MELF 1.6K	2% 1/8W
R2296	1-259-995-11	CARBON MELF 1K	2% 1/8W	R2361	1-259-995-11	CARBON MELF 1K	2% 1/8W
R2297	1-259-995-11	CARBON MELF 1K	2% 1/8W	R2362	1-208-453-41	RES-CHIP 4.7K	2% 1/10W
R2298	1-259-995-11	CARBON MELF 1K	2% 1/8W	R2363	1-208-453-41	RES-CHIP 4.7K	2% 1/10W
R2299	1-259-995-11	CARBON MELF 1K	2% 1/8W	R2364	1-208-453-41	RES-CHIP 4.7K	2% 1/10W
R2301	1-208-453-41	RES-CHIP 4.7K	2% 1/10W	R2365	1-216-254-00	CARBON MELF 220K	2% 1/8W
R2303	1-259-995-11	CARBON MELF 1K	2% 1/8W	R2368	1-260-020-11	CARBON MELF 100K	2% 1/8W
R2305	1-260-026-11	CARBON MELF 330K	2% 1/8W	R2369	1-260-008-11	CARBON MELF 10K	2% 1/8W
R2306	1-259-929-11	CARBON MELF 3.6K	2% 1/8W	R2370	1-260-008-11	CARBON MELF 10K	2% 1/8W
R2307	1-260-002-11	CARBON MELF 3.3K	2% 1/8W	R2380	1-259-995-11	CARBON MELF 1K	2% 1/8W
R2308	1-260-008-11	CARBON MELF 10K	2% 1/8W	R2381	1-208-453-41	RES-CHIP 4.7K	2% 1/10W
R2309	1-259-998-11	CARBON MELF 1.8K	2% 1/8W	R2396	1-259-995-11	CARBON MELF 1K	2% 1/8W
R2310	1-259-925-11	CARBON MELF 1.6K	2% 1/8W	R2397	1-259-995-11	CARBON MELF 1K	2% 1/8W
R2311	1-259-995-11	CARBON MELF 1K	2% 1/8W	R2398	1-259-995-11	CARBON MELF 1K	2% 1/8W
R2312	1-208-453-41	RES-CHIP 4.7K	2% 1/10W	R2399	1-259-995-11	CARBON MELF 1K	2% 1/8W
R2313	1-208-453-41	RES-CHIP 4.7K	2% 1/10W	R2400	1-208-437-41	RES-CHIP 1K	2% 1/10W
R2314	1-208-453-41	RES-CHIP 4.7K	2% 1/10W	R2401	1-216-254-00	CARBON MELF 220K	2% 1/8W
R2315	1-216-254-00	CARBON MELF 220K	2% 1/8W	R2402	1-216-254-00	CARBON MELF 220K	2% 1/8W
R2316	1-216-254-00	CARBON MELF 220K	2% 1/8W	R2403	1-259-995-11	CARBON MELF 1K	2% 1/8W
R2317	1-260-010-11	CARBON MELF 15K	2% 1/8W	R2404	1-259-983-11	CARBON MELF 100	2% 1/8W
R2318	1-260-020-11	CARBON MELF 100K	2% 1/8W	R2405	1-260-026-11	CARBON MELF 330K	2% 1/8W
R2319	1-260-008-11	CARBON MELF 10K	2% 1/8W	R2406	1-259-929-11	CARBON MELF 3.6K	2% 1/8W
R2320	1-260-008-11	CARBON MELF 10K	2% 1/8W	R2407	1-260-002-11	CARBON MELF 3.3K	2% 1/8W
R2321	1-208-437-41	RES-CHIP 1K	2% 1/10W	R2408	1-260-008-11	CARBON MELF 10K	2% 1/8W
R2322	1-208-437-41	RES-CHIP 1K	2% 1/10W	R2409	1-259-998-11	CARBON MELF 1.8K	2% 1/8W
R2323	1-208-437-41	RES-CHIP 1K	2% 1/10W	R2410	1-259-925-11	CARBON MELF 1.6K	2% 1/8W
R2324	1-260-010-11	CARBON MELF 15K	2% 1/8W	R2411	1-259-995-11	CARBON MELF 1K	2% 1/8W
R2325	1-260-010-11	CARBON MELF 15K	2% 1/8W	R2412	1-208-453-41	RES-CHIP 4.7K	2% 1/10W
R2326	1-249-427-11	CARBON 6.8K	5% 1/4W F	R2413	1-208-453-41	RES-CHIP 4.7K	2% 1/10W
R2327	1-216-254-00	CARBON MELF 220K	2% 1/8W	R2414	1-208-453-41	RES-CHIP 4.7K	2% 1/10W
R2328	1-208-437-41	RES-CHIP 1K	2% 1/10W	R2415	1-260-020-11	CARBON MELF 100K	2% 1/8W
R2329	1-208-437-41	RES-CHIP 1K	2% 1/10W	R2419	1-260-008-11	CARBON MELF 10K	2% 1/8W
R2330	1-259-995-11	CARBON MELF 1K	2% 1/8W	R2420	1-260-008-11	CARBON MELF 10K	2% 1/8W
R2331	1-208-453-41	RES-CHIP 4.7K	2% 1/10W	R2421	1-216-254-00	CARBON MELF 220K	2% 1/8W
R2332	1-216-699-11	METAL CHIP 100K	0.5% 1/10W	R2424	1-216-254-00	CARBON MELF 220K	2% 1/8W
R2333	1-216-635-11	METAL CHIP 220	0.5% 1/10W	R2425	1-208-437-41	RES-CHIP 1K	2% 1/10W
R2334	1-208-437-41	RES-CHIP 1K	2% 1/10W	R2426	1-208-437-41	RES-CHIP 1K	2% 1/10W
R2335	1-208-437-41	RES-CHIP 1K	2% 1/10W	R2427	1-208-437-41	RES-CHIP 1K	2% 1/10W
R2336	1-260-012-11	CARBON MELF 22K	2% 1/8W	R2430	1-259-995-11	CARBON MELF 1K	2% 1/8W
R2337	1-260-013-11	CARBON MELF 27K	2% 1/8W	R2431	1-208-453-41	RES-CHIP 4.7K	2% 1/10W
				R2441	1-216-699-11	METAL CHIP 100K	0.5% 1/10W
				R2443	1-216-699-11	METAL CHIP 100K	0.5% 1/10W





**FUNCTION SW**

**GEAR**

**HP**

**JOG**

**MOTOR**

**PHONO**

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	1-675-066-11	FUNCTION SW BOARD *****		R114	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
		< VARIABLE RESISTOR >		R115	1-208-453-41	RES-CHIP 4.7K 2%	1/10W
						< VARIABLE RESISTOR >	
RV102	1-418-589-11	ENCODER, ROTARY(INPUT SELECTOR)		RV101	1-418-590-11	ENCODER, ROTARY(JOG DIAL)	
		< SWITCH >				< SWITCH >	
S111	1-762-875-21	SWITCH, KEYBOARD(DIGITAL/ANALOG)		S101	1-771-544-11	SWITCH, TACTILE(ENTER)	
S113	1-762-875-21	SWITCH, KEYBOARD(AUDIO SPLIT)		S102	1-771-544-11	SWITCH, TACTILE(>)	
S115	1-762-875-21	SWITCH, KEYBOARD(OPEN/CLOSE)		S103	1-771-544-11	SWITCH, TACTILE(<)	
*****				S104	1-771-544-11	SWITCH, TACTILE(LEVEL)	
	1-675-092-11	GEAR BOARD *****		S105	1-771-544-11	SWITCH, TACTILE(SUR)	
		< CONNECTOR >		S106	1-771-544-11	SWITCH, TACTILE(EQ)	
				S107	1-771-544-11	SWITCH, TACTILE(SET UP)	
* CN114	1-568-941-11	PIN, CONNECTOR 3P		S108	1-771-544-11	SWITCH, TACTILE(CUSTOM)	
		< SWITCH >		S109	1-771-544-11	SWITCH, TACTILE(TUNER)	
S112	1-762-983-11	SWITCH, PUSH(OPEN)		*****			
S114	1-762-984-11	SWITCH, PUSH(CLOSE)			1-675-091-11	MOTOR BOARD *****	
*****						< CAPACITOR >	
	1-675-093-11	HP BOARD *****		C106	1-165-319-11	CERAMIC 0.1UF 0%	50V
		< CAPACITOR >				< CONNECTOR >	
C143	1-165-319-11	CERAMIC CHIP 0.1uF 0%	50V	CN112	1-506-481-11	PIN, CONNECTOR 2P	
C144	1-163-275-11	CERAMIC CHIP 0.001uF 5%	50V	*****			
C145	1-163-275-11	CERAMIC CHIP 0.001uF 5%	50V		1-676-564-11	PHONO BOARD *****	
C156	1-163-275-11	CERAMIC CHIP 0.001uF 5%	50V			< CAPACITOR >	
C157	1-163-275-11	CERAMIC CHIP 0.001uF 5%	50V	C1302	1-119-824-11	ELECT MELF 10uF 20%	50V
		< CONNECTOR >		C1303	1-119-823-11	ELECT 4.7uF 20%	50V
CN115	1-691-767-11	PLUG (MICRO CONNECTOR) 5P		C1304	1-128-832-11	ELECT 220uF 20%	10V
		< FERRITE BEAD >		C1305	1-137-471-11	MYLAR 0.016uF 5%	50V
FB106	1-469-365-21	FERRITE 0UH		C1306	1-136-162-00	MYLAR 0.056uF 5%	50V
FB107	1-469-365-21	FERRITE 0UH		C1307	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
		< JACK >		C1308	1-119-799-11	ELECT 47uF 20%	25V
J103	1-580-439-11	JACK, LARGE TYPE(PHONES)		C1309	1-163-125-00	CERAMIC CHIP 220PF 5%	50V
		< RESISTOR >		C1310	1-137-471-11	MYLAR 0.016uF 5%	50V
R231	1-215-868-00	METAL OXIDE 680 5%	1W	C1311	1-136-162-00	MYLAR 0.056uF 5%	50V
R232	1-215-868-00	METAL OXIDE 680 5%	1W	C1312	1-128-832-11	ELECT 220uF 20%	10V
*****				C1313	1-119-799-11	ELECT 47uF 20%	25V
	1-675-097-11	JOG BOARD *****		C1314	1-163-125-00	CERAMIC CHIP 220PF 5%	50V
		< CONNECTOR >		C1315	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
CN109	1-774-739-11	CONNECTOR, FFC/FPC 5P		C1316	1-119-823-11	ELECT 4.7uF 20%	50V
		< RESISTOR >		C1317	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
R107	1-208-425-41	RES-CHIP 330 2%	1/10W	C1318	1-119-824-11	ELECT MELF 10uF 20%	50V
R109	1-208-774-11	RES-CHIP 470 2%	1/10W	C1320	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
R110	1-216-647-11	METAL CHIP 680 0.5%	1/10W			< CONNECTOR >	
R112	1-208-437-41	RES-CHIP 1K 2%	1/10W	CN1301	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P	
R113	1-216-655-11	METAL CHIP 1.5K 0.5%	1/10W			< IC >	
				IC1301	8-759-711-85	IC NJM4580E-D	
						< JACK >	
				J1301	1-784-430-11	JACK, PIN 4P (TUNER/PHONO)	

PHONO

PS

Ref. No.	Part No.	Description	Remarks
< RESISTOR >			
R1301	1-259-987-11	CARBON MELF 220	2% 1/8W
R1302	1-259-983-11	CARBON MELF 100	2% 1/8W
R1303	1-259-984-11	CARBON MELF 120	2% 1/8W
R1304	1-259-996-11	CARBON MELF 1.2K	2% 1/8W
R1305	1-260-004-11	CARBON MELF 4.7K	2% 1/8W
R1306	1-260-017-11	CARBON MELF 56K	2% 1/8W
R1307	1-259-987-11	CARBON MELF 220	2% 1/8W
R1308	1-260-020-11	CARBON MELF 100K	2% 1/8W
R1309	1-260-020-11	CARBON MELF 100K	2% 1/8W
R1310	1-260-020-11	CARBON MELF 100K	2% 1/8W
R1311	1-259-987-11	CARBON MELF 220	2% 1/8W
R1312	1-260-020-11	CARBON MELF 100K	2% 1/8W
R1313	1-260-020-11	CARBON MELF 100K	2% 1/8W
R1314	1-260-004-11	CARBON MELF 4.7K	2% 1/8W
R1315	1-260-017-11	CARBON MELF 56K	2% 1/8W
R1316	1-260-020-11	CARBON MELF 100K	2% 1/8W
R1317	1-259-996-11	CARBON MELF 1.2K	2% 1/8W
R1318	1-259-984-11	CARBON MELF 120	2% 1/8W
R1319	1-259-983-11	CARBON MELF 100	2% 1/8W
R1320	1-259-995-11	CARBON MELF 1K	2% 1/8W
R1321	1-259-995-11	CARBON MELF 1K	2% 1/8W
R1322	1-259-987-11	CARBON MELF 220	2% 1/8W
*****			
A-4426-479-A	PS BOARD, COMPLETE *****		
7-685-872-09	SCREW +BVT	3X8 (S)	
1-533-293-11	FUSE HOLDER		
< CAPACITOR >			
C801	1-137-414-11	MYLAR 0.0047uF	10% 100V
C802	1-137-414-11	MYLAR 0.0047uF	10% 100V
C803	1-131-652-11	ELECT 18000uF	20% 71V
C804	1-131-652-11	ELECT 18000uF	20% 71V
C805	1-119-854-11	ELECT 100uF	20% 100V
C806	1-137-370-11	MYLAR 0.01uF	5% 50V
C807	1-137-370-11	MYLAR 0.01uF	5% 50V
C808	1-127-732-51	ELECT MELF 2200uF	20% 35V
C809	1-127-732-51	ELECT MELF 2200uF	20% 35V
C810	1-137-370-11	MYLAR 0.01uF	5% 50V
C811	1-137-370-11	MYLAR 0.01uF	5% 50V
C812	1-135-471-11	ELECT 13000uF	20% 16V
C813	1-127-723-51	ELECT MELF 4700uF	20% 16V
C814	1-163-021-91	CERAMIC CHIP 0.01uF	10% 50V
C815	1-128-556-11	ELECT 1000uF	20% 63V
C816	1-119-799-11	ELECT 47uF	20% 25V
C817	1-163-021-91	CERAMIC CHIP 0.01uF	10% 50V
C818	1-163-021-91	CERAMIC CHIP 0.01uF	10% 50V
C822	1-136-177-00	MYLAR 1uF	5% 50V
C823	1-135-471-11	ELECT 13000uF	20% 16V
< CONNECTOR >			
CN801	1-785-105-11	PIN, CONNECTOR 7P	
CN802	1-785-107-11	PIN, CONNECTOR 9P	
CN804	1-564-506-11	PLUG (MICRO CONNECTOR) 5P	
CN805	1-691-772-11	PLUG (MICRO CONNECTOR) 10P	
CN806	1-785-102-11	PIN, CONNECTOR 4P	

Ref. No.	Part No.	Description	Remarks
< DIODE >			
D801	8-719-302-38	DIODE RBV-602-01	
D802	8-719-302-38	DIODE RBV-602-01	
D803	8-719-016-74	DIODE 1SS352	
D804	8-719-053-18	DIODE 1SR154-400TE-25	
D805	8-719-053-18	DIODE 1SR154-400TE-25	
D807	8-719-025-03	DIODE RBA-402-SL	
D811	8-719-025-03	DIODE RBA-402-SL	
D812	8-719-053-18	DIODE 1SR154-400TE-25	
D813	8-719-053-18	DIODE 1SR154-400TE-25	
D814	8-719-053-18	DIODE 1SR154-400TE-25	
D815	8-719-053-18	DIODE 1SR154-400TE-25	
D816	8-719-070-30	DIODE PTZ-TE25-5.6A	
< TERMINAL >			
EP802	1-537-770-21	TERMINAL BOARD, GROUND	
< FUSE >			
△ F801	1-533-312-11	FUSE, GLASS CYLINDRICAL(DIA.5)10A 125V	
△ F802	1-533-312-11	FUSE, GLASS CYLINDRICAL(DIA.5)10A 125V	
△ F803	1-532-503-51	FUSE, 1.6A 250V	
△ F804	1-532-503-51	FUSE, 1.6A 250V	
△ F805	1-532-465-51	FUSE, TIME LAG	3.15A 250V
△ F806	1-532-465-51	FUSE, TIME LAG	3.15A 250V
< TRANSISTOR >			
Q801	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q802	8-729-421-22	TRANSISTOR UN2211	
< RESISTOR >			
R803	1-216-431-11	METAL OXIDE 560	5% 1W
R805	1-208-462-41	RES-CHIP 10K	2% 1/10W
△ R806	1-212-942-00	FUSIBLE 2.2	5% 1/2W
△ R807	1-212-942-00	FUSIBLE 2.2	5% 1/2W
R808	1-249-407-11	CARBON 150	5% 1/4W F
R809	1-216-687-11	METAL CHIP 33K	0.5% 1/10W
R810	1-216-687-11	METAL CHIP 33K	0.5% 1/10W
< RELAY >			
RY801	1-755-235-11	RELAY	
RY802	1-755-235-11	RELAY	
< SWITCH >			
S801	1-692-196-11	SWITCH, SLIDE(IMPEDANCE SELECTOR)	
< THERMISTOR >			
TH801	1-806-881-11	THERMISTOR 2.2	
*****			

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

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	A-4426-496-A	S VIDEO BOARD, COMPLETE *****				< RESISTOR >	
		< CAPACITOR >		R5201	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5201	1-119-824-11	ELECT MELF 10uF 20% 50V		R5202	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5202	1-119-824-11	ELECT MELF 10uF 20% 50V		R5203	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5203	1-163-243-11	CERAMIC CHIP 47PF 5% 50V		R5204	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5204	1-163-243-11	CERAMIC CHIP 47PF 5% 50V		R5205	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5205	1-119-824-11	ELECT MELF 10uF 20% 50V					
C5206	1-163-243-11	CERAMIC CHIP 47PF 5% 50V		R5206	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5207	1-163-243-11	CERAMIC CHIP 47PF 5% 50V		R5207	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5208	1-119-824-11	ELECT MELF 10uF 20% 50V		R5208	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5209	1-163-243-11	CERAMIC CHIP 47PF 5% 50V		R5209	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5210	1-163-243-11	CERAMIC CHIP 47PF 5% 50V		R5210	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5211	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V		R5211	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5212	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V		R5212	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5214	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V		R5213	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5216	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V		R5214	1-208-755-11	RES-CHIP 75 2% 1/10W	
C5218	1-119-824-11	ELECT MELF 10uF 20% 50V		R5215	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
C5219	1-127-718-91	ELECT MELF 100uF 20% 16V		R5216	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
C5220	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V		R5217	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
C5221	1-127-718-91	ELECT MELF 100uF 20% 16V		R5218	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
C5222	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V		R5219	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
C5223	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V				*****	
C5224	1-127-718-91	ELECT MELF 100uF 20% 16V			1-675-082-11	SP SEL BOARD *****	
C5225	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V				< CAPACITOR >	
C5226	1-127-718-91	ELECT MELF 100uF 20% 16V		C111	1-126-926-11	ELECT 1000uF 20% 10V	
C5227	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V		C112	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C5228	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V		C113	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C5229	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V		C114	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C5230	1-163-117-00	CERAMIC CHIP 100PF 5% 50V		C132	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5231	1-163-117-00	CERAMIC CHIP 100PF 5% 50V				< CONNECTOR >	
C5232	1-163-117-00	CERAMIC CHIP 100PF 5% 50V		* CN117	1-568-946-11	PIN, CONNECTOR 8P	
C5233	1-163-117-00	CERAMIC CHIP 100PF 5% 50V				< DIODE >	
		< CONNECTOR >		D103	8-719-075-86	DIODE SID307BRTP19	
CN5201	1-784-733-11	CONNECTOR, FFC 11P		D104	8-719-075-86	DIODE SID307BRTP19	
* CN5203	1-695-371-31	CONNECTOR, FFC 10P		D105	8-719-075-86	DIODE SID307BRTP19	
CN5204	1-691-767-11	PLUG (MICRO CONNECTOR) 5P		D106	8-719-075-86	DIODE SID307BRTP19	
		< IC >		D107	8-719-059-14	DIODE SID313BP-TP19	
IC5201	8-759-536-24	IC NJM-2296M-TE2		D108	8-719-820-05	DIODE 1SS181	
IC5202	8-759-536-24	IC NJM-2296M-TE2		D109	8-719-820-05	DIODE 1SS181	
IC5203	8-759-032-59	IC MC74HC595AF		D110	8-719-820-05	DIODE 1SS181	
		< JACK >				< IC >	
J5201	1-779-800-11	TERMINAL, S (TV/SAT OUT)		IC106	8-759-242-70	IC TC7WU04F	
J5202	1-779-801-11	CONNECTOR (ROUND TYPE)(DVD/LD,VIDEO2)		IC110	8-749-014-66	IC NJL64H400A	
J5203	1-779-801-11	CONNECTOR (ROUND TYPE)(VIDEO1)				< TRANSISTOR >	
J5204	1-779-801-11	CONNECTOR (ROUND TYPE)(MONITOR OUT)		Q109	8-729-901-87	TRANSISTOR 2SC2411K-CQ	
		< COIL >		Q110	8-729-901-87	TRANSISTOR 2SC2411K-CQ	
L5201	1-500-425-11	FERRITE 0uH		Q111	8-729-901-87	TRANSISTOR 2SC2411K-CQ	
L5202	1-500-425-11	FERRITE 0uH				< RESISTOR >	
L5203	1-500-425-11	FERRITE 0uH		R134	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
L5204	1-500-425-11	FERRITE 0uH		R135	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
				R184	1-216-627-11	METAL CHIP 100 0.5% 1/10W	

SP SEL

SP TM

Ref. No.	Part No.	Description	Remarks
< SWITCH >			
S116	1-762-875-21	SWITCH, KEYBOARD(I/O)	
S117	1-762-268-11	SWITCH, ROTARY(SPEAKER SELECTOR)	
*****			
A-4426-470-A	SP TM BOARD, COMPLETE		
*****			
< CAPACITOR >			
C1801	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C1802	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C1803	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C1804	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C1805	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C1806	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C4114	1-162-815-11	CERAMIC 47PF 5% 500V	
C4115	1-162-815-11	CERAMIC 47PF 5% 500V	
C4116	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C4164	1-162-815-11	CERAMIC 47PF 5% 500V	
C4165	1-162-815-11	CERAMIC 47PF 5% 500V	
C4166	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C4214	1-162-815-11	CERAMIC 47PF 5% 500V	
C4216	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C4314	1-162-815-11	CERAMIC 47PF 5% 500V	
C4316	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C4364	1-162-815-11	CERAMIC 47PF 5% 500V	
C4366	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C4701	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C4702	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C4703	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C4751	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C4752	1-137-358-11	MYLAR 0.0001uF 5% 50V	
C4753	1-137-358-11	MYLAR 0.0001uF 5% 50V	
< CONNECTOR >			
CN4005	1-691-771-11	PLUG (MICRO CONNECTOR) 9P	
< DIODE >			
D4401	8-719-016-74	DIODE 1SS352	
D4451	8-719-016-74	DIODE 1SS352	
D4501	8-719-016-74	DIODE 1SS352	
D4551	8-719-016-74	DIODE 1SS352	
D4601	8-719-016-74	DIODE 1SS352	
< JACK >			
J1801	1-785-489-11	JACK, PIN 6P(5.1CH INPUT)	
J4701	1-785-296-11	JACK, PIN(PRE OUT)	
J4702	1-785-298-11	JACK, PIN 1P(SUB WOOFER)	
< COIL >			
L4101	1-411-906-11	COIL, AIR-CORE	
L4151	1-411-906-11	COIL, AIR-CORE	
L4201	1-411-906-11	COIL, AIR-CORE	
L4301	1-411-906-11	COIL, AIR-CORE	
L4351	1-411-906-11	COIL, AIR-CORE	

Ref. No.	Part No.	Description	Remarks
< TRANSISTOR >			
Q4401	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q4451	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q4501	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q4551	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q4601	8-729-230-49	TRANSISTOR 2SC2712-YG	
< RESISTOR >			
R1801	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1802	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1803	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1804	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1805	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R1806	1-259-995-11	CARBON MELF 1K 2% 1/8W	
R4121	1-249-389-11	CARBON 4.7 5% 1/4W F	
R4122	1-249-393-11	CARBON 10 5% 1/4W F	
R4123	1-249-393-11	CARBON 10 5% 1/4W F	
R4124	1-260-009-11	CARBON MELF 12K 2% 1/8W	
R4125	1-260-009-11	CARBON MELF 12K 2% 1/8W	
R4171	1-249-389-11	CARBON 4.7 5% 1/4W F	
R4172	1-249-393-11	CARBON 10 5% 1/4W F	
R4173	1-249-393-11	CARBON 10 5% 1/4W F	
R4174	1-260-009-11	CARBON MELF 12K 2% 1/8W	
R4175	1-260-009-11	CARBON MELF 12K 2% 1/8W	
R4221	1-249-389-11	CARBON 4.7 5% 1/4W F	
R4222	1-249-393-11	CARBON 10 5% 1/4W F	
R4321	1-249-389-11	CARBON 4.7 5% 1/4W F	
R4322	1-249-393-11	CARBON 10 5% 1/4W F	
R4371	1-249-389-11	CARBON 4.7 5% 1/4W F	
R4372	1-249-393-11	CARBON 10 5% 1/4W F	
R4401	1-215-869-11	METAL OXIDE 1K 5% 1W	
R4402	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
R4403	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R4451	1-215-869-11	METAL OXIDE 1K 5% 1W	
R4452	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
R4453	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R4501	1-215-869-11	METAL OXIDE 1K 5% 1W	
R4502	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
R4503	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R4551	1-249-422-11	CARBON 2.7K 5% 1/4W F	
R4552	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
R4553	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R4601	1-215-869-11	METAL OXIDE 1K 5% 1W	
R4602	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
R4603	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R4705	1-260-012-11	CARBON MELF 22K 2% 1/8W	
R4707	1-260-014-11	CARBON MELF 33K 2% 1/8W	
R4708	1-260-014-11	CARBON MELF 33K 2% 1/8W	
R4709	1-259-999-11	CARBON MELF 2.2K 2% 1/8W	
R4710	1-259-999-11	CARBON MELF 2.2K 2% 1/8W	
R4711	1-259-999-11	CARBON MELF 2.2K 2% 1/8W	
R4751	1-260-012-11	CARBON MELF 22K 2% 1/8W	
R4757	1-260-014-11	CARBON MELF 33K 2% 1/8W	
R4758	1-260-014-11	CARBON MELF 33K 2% 1/8W	
R4759	1-259-999-11	CARBON MELF 2.2K 2% 1/8W	
R4760	1-259-999-11	CARBON MELF 2.2K 2% 1/8W	
R4761	1-259-999-11	CARBON MELF 2.2K 2% 1/8W	

Ref. No.	Part No.	Description	Remarks
		< RELAY >	
RY4401	1-515-920-11	RELAY (24V)	
RY4451	1-515-920-11	RELAY (24V)	
RY4501	1-515-920-11	RELAY (24V)	
RY4551	1-755-295-11	RELAY	
RY4601	1-515-920-11	RELAY (24V)	
		< TERMINAL >	
TM4401	1-694-430-21	TERMINAL BOARD (SP)(SPEAKERS FRONT)	
TM4501	1-694-431-21	TERMINAL BOARD (SP) (SPEAKERS REAR/CENTER)	
*****			
	1-675-095-11	VIDEO 3 BOARD *****	
		< CAPACITOR >	
C103	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C104	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C141	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C142	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
		< CONNECTOR >	
CN108	1-568-826-11	CONNECTOR, FFC 7P	
* CN120	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
		< TERMINAL >	
EB101	1-537-770-21	TERMINAL BOARD, GROUND	
		< JACK >	
J101	1-793-643-11	JACK, PIN (BLOCK) (L TYPE) 3P(VIDEO/AUDIO)	
J102	1-784-808-11	TERMINAL, S(S VIDEO)	
		< RESISTOR >	
R102	1-208-755-11	RES-CHIP 75 2% 1/10W	
R103	1-208-755-11	RES-CHIP 75 2% 1/10W	
R104	1-208-755-11	RES-CHIP 75 2% 1/10W	
R106	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
R108	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
*****			
	1-675-081-11	VOLUME BOARD *****	
		< CAPACITOR >	
C3101	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C3111	1-128-860-11	ELECT 47uF 20% 50V	
C3112	1-128-860-11	ELECT 47uF 20% 50V	
C3113	1-128-860-11	ELECT 47uF 20% 50V	
C3114	1-128-860-11	ELECT 47uF 20% 50V	
C3115	1-128-860-11	ELECT 47uF 20% 50V	
C3116	1-128-860-11	ELECT 47uF 20% 50V	
		< CONNECTOR >	
CN3201	1-691-766-11	PLUG (MICRO CONNECTOR) 4P	
CN3202	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
CN3203	1-691-765-21	PLUG (MICRO CONNECTOR) 3P	

Ref. No.	Part No.	Description	Remarks
		< IC >	
IC4102	8-759-447-30	IC NJM2114M-TE2	
IC4202	8-759-447-30	IC NJM2114M-TE2	
IC4302	8-759-447-30	IC NJM2114M-TE2	
		< RESISTOR >	
R4130	1-260-026-11	CARBON MELF 330K 2% 1/8W	
R4131	1-259-991-11	CARBON MELF 470 2% 1/8W	
R4132	1-259-926-11	CARBON MELF 2K 2% 1/8W	
R4133	1-259-983-11	CARBON MELF 100 2% 1/8W	
R4180	1-260-026-11	CARBON MELF 330K 2% 1/8W	
R4181	1-259-991-11	CARBON MELF 470 2% 1/8W	
R4182	1-259-926-11	CARBON MELF 2K 2% 1/8W	
R4183	1-259-983-11	CARBON MELF 100 2% 1/8W	
R4230	1-260-026-11	CARBON MELF 330K 2% 1/8W	
R4231	1-259-989-11	CARBON MELF 330 2% 1/8W	
R4232	1-259-931-11	CARBON MELF 5.1K 2% 1/8W	
R4233	1-259-983-11	CARBON MELF 100 2% 1/8W	
R4280	1-260-026-11	CARBON MELF 330K 2% 1/8W	
R4281	1-259-986-11	CARBON MELF 180 2% 1/8W	
R4282	1-259-931-11	CARBON MELF 5.1K 2% 1/8W	
R4283	1-259-983-11	CARBON MELF 100 2% 1/8W	
R4330	1-260-026-11	CARBON MELF 330K 2% 1/8W	
R4331	1-259-989-11	CARBON MELF 330 2% 1/8W	
R4332	1-259-931-11	CARBON MELF 5.1K 2% 1/8W	
R4333	1-259-983-11	CARBON MELF 100 2% 1/8W	
R4380	1-260-026-11	CARBON MELF 330K 2% 1/8W	
R4381	1-259-989-11	CARBON MELF 330 2% 1/8W	
R4382	1-259-931-11	CARBON MELF 5.1K 2% 1/8W	
R4383	1-259-983-11	CARBON MELF 100 2% 1/8W	
		< VARIABLE RESISTOR >	
RV3101	1-225-887-11	RES, VAR, CARBON 30KX6(MASTER VOLUME)	
*****			
		MISCELLANEOUS *****	
61	1-773-279-11	WIRE (FLAT TYPE) (29 CORE)	
104	1-791-939-11	CABLE, FLEXIBLE FLAT (5P)	
129	1-791-938-11	CABLE, FLEXIBLE FLAT (31P)	
137	1-765-314-11	WIRE (FLAT TYPE) (7 CORE)	
158	1-769-969-11	WIRE (FLAT TYPE) (13 CORE)	
159	1-792-174-11	CABLE, FLEXIBLE FLAT (15P)	
163	1-769-937-11	WIRE (FLAT TYPE) (11 CORE)	
165	1-792-216-11	WIRE (FLAT TYPE) (10 CORE)	
△ 167	1-776-095-11	CORD, POWER	
FL101	1-517-781-21	INDICATOR TUBE, FLUORESCENT	
FL102	1-517-905-11	INDICATOR TUBE, FLUORESCENT	
△ T901	1-435-096-11	TRANSFORMER, POWER	
*****			

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

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>
		ACCESSORIES & PACKING MATERIALS *****	
	1-418-606-11	REMOTE COMMANDER(RM-TP503)	
	3-866-967-41	MANUAL, INSTRUCTION (ENGLISH/FRENCH/DUTCH/SWEDISH)	
	3-866-967-51	MANUAL, INSTRUCTION (GERMAN/SPANISH/ITALIAN/PORTUGUESE)	
	3-867-704-11	MANUAL (RM-TP503), INSTRUCTION (ENGLISH/FRENCH/SPANISH/PORTUGUESE)	
	3-867-704-31	MANUAL (RM-TP503), INSTRUCTION (DUTCH/SWEDISH/GERMAN/ITALIAN)	
	4-997-648-31	COVER, BATTERY(FOR RM-TP503)	

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HARDWARE LIST

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#1	7-685-872-09	SCREW +BVTT	3X8 (S)
#2	7-685-649-79	SCREW +BVTP	3X14 TYPE2 N-S
#3	7-682-547-09	SCREW +B	3X6
#4	7-621-775-00	SCREW +B	2.6X3
#5	7-685-871-09	SCREW +BVTT	3X6 (S)
#6	7-682-575-04	SCREW +P	5X10
#7	7-685-885-09	SCREW +BVTT	4X16 (S)
#8	7-685-861-01	SCREW +BVTT	2.6X5 (S)
#9	7-685-134-19	SCREW +P	2.6X8 TYPE2 NON-SLIT
#10	7-685-548-19	SCREW +BTP	3X12 TYPE2 N-S