

STR-DA777ES/V777ES

SERVICE MANUAL

US Model
Canadian Model
E Model
Australian Model
PX Model
STR-DA777ES
Chinese Model
STR-V777ES



Photo : STR-DA777ES

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 8 Ω loads, both channels driven, from 20 - 20,000 Hz; rated 120 watts per channel minimum RMS power, with no more than 0.05% total harmonic distortion from 250 milliwatts to rated output.
(US model only)

Audio section

POWER OUTPUT

Stereo mode 8 Ω
120 W + 120 W
4 Ω
100 W + 100 W
(THD 0.05%,
20 Hz - 20 kHz)*
(DIN 1 kHz)

Surround mode

8 Ω
Front: 120W + 120W
Center^{a)}: 120W
Rear^{a)}:
120W + 120W
4 Ω
Front: 100W + 100W
Center^{a)}: 100W
Rear^{a)}:
100W + 100W
(THD 0.05%,
20 Hz - 20 kHz)*
(DIN 1 kHz)

* US/Canadian models only .

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

Frequency response

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

Signal-to-noise ratio

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

** ANALOG DIRECT

Inputs (Analog)

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

Inputs (Digital)

Coaxial (DVD/LD or
DVD, CD):
Sensitivity: -
Impedance: 75 Ω
Optical (DVD/LD or
DVD, TV/SAT or
TV/LD, MD/DAT):
Sensitivity: -
Impedance: -

Outputs (Analog)

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

— Continued on next page —

FM STEREO FM-AM RECEIVER



SONY®

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 Fomats
Dolby Digital (AC-3),
DTS

FM tuner section

Tuning range87.5 - 108.0 MHz

Antenna terminals
75 Ω, unbalanced

Sensitivity Mono: 18.3 dBf,
2.2 μV / 75 Ω
Stereo: 38.3 dBf,
22.5 μV / 75 Ω

Usable sensitivity
11.2 dBf, 1 μV / 75 Ω

S/N Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz
Mono: 0.3%
Stereo: 0.5%

Separation 45 dB at 1 kHz

Frequency response
30 Hz - 15 kHz
+0.5/-2 dB

Selectivity 60 dB at 400 kHz

AM tuner section

Tuning rangeUS / Canadian models:
With 10-kHz tuning
scale:
530 - 1710 kHz
With 9-kHz tuning
scale:
531 - 1710 kHz
Singapore / Malaysia
models:
531-1602 kHz (9 kHz
interval)
Other models:
531-1602 kHz
(9 kHz interval)
530-1610 kHz
(10 kHz interval)

Antenna Loop antenna

Usable sensitivity
50 dB / m (at 1,000 kHz
or 999 kHz)

S/N 54 dB (at 50 mV / m)

Harmonic distortion
0.5 % (50 mV / m,
400 kHz)

Selectivity At 9 kHz: 35 dB
At 10 kHz: 40 dB

Video section

Inputs Video: 1 Vp-p 75 Ω
S-video:
Y: 1 Vp-p 75 Ω
C: 0.286 Vp-p
75 Ω

Outputs Video: 1 Vp-p 75 Ω
S-video:
Y: 1 Vp-p 75 Ω
C: 0.286 Vp-p
75 Ω

General

Power requirements
US / Canadian models:
120 V AC, 60Hz
Singapore / Malaysia
models:
220 - 230 V AC,
50 / 60 Hz
Other models:
120 / 220 / 240 V AC,
50 / 60 Hz

Power consumption
US model: 450 W
Canadian model:
650 VA
Singapore / Malaysia
models: 420 W
Other models: 450 W

AC outlets US / Canadian models:
2 switched,
total 120 W / 1 A
Other models:
2 switched,
total 100 W

Dimensions 430 × 174 × 462 mm
(17 × 6 ⁷ / 8 ×
18 ¹ / 4 inches)
including projecting
parts and controls

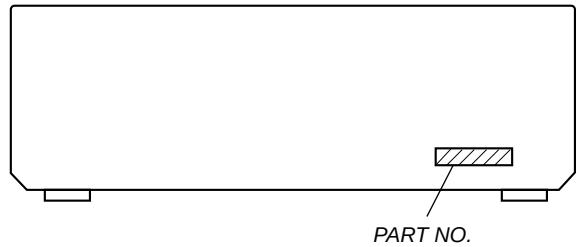
Mass (Approx.)
24.5 kg (54 lbs. 1 oz.)

Supplied accessories

- FM wire antenna (1)
- AM loop antenna (1)
- Remote commander
RM-TP503 (remote) (1)
- LR6 (size-AA) alkaline
batteries (4)
- Coin shaped lithium battery
(CR-2032) (1)
- US / Canadian models only:
 - Audio / video / control S
connecting cord (1)
 - CONTROL S connecting
cord (1)

Design and specifications are subject
to change without notice.

MODEL IDENTIFICATION
– BACK PANEL –



MODEL	PARTS No.
DA777ES: US model	4-222-054-0□
DA777ES: Canadian model	4-222-054-1□
DA777ES: E, PX models	4-222-054-2□
DA777ES: Malaysia, Singapore, Australian models	4-222-054-3□
V777ES: Chinese model	4-222-054-4□

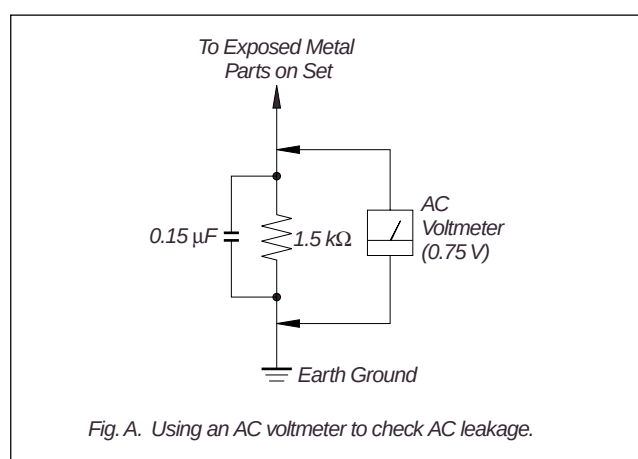
SAFETY CHECK-OUT

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

LEAKAGE

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

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



与安全有关的零部件须知

在原理图上用阴影及 $\triangle$ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

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.

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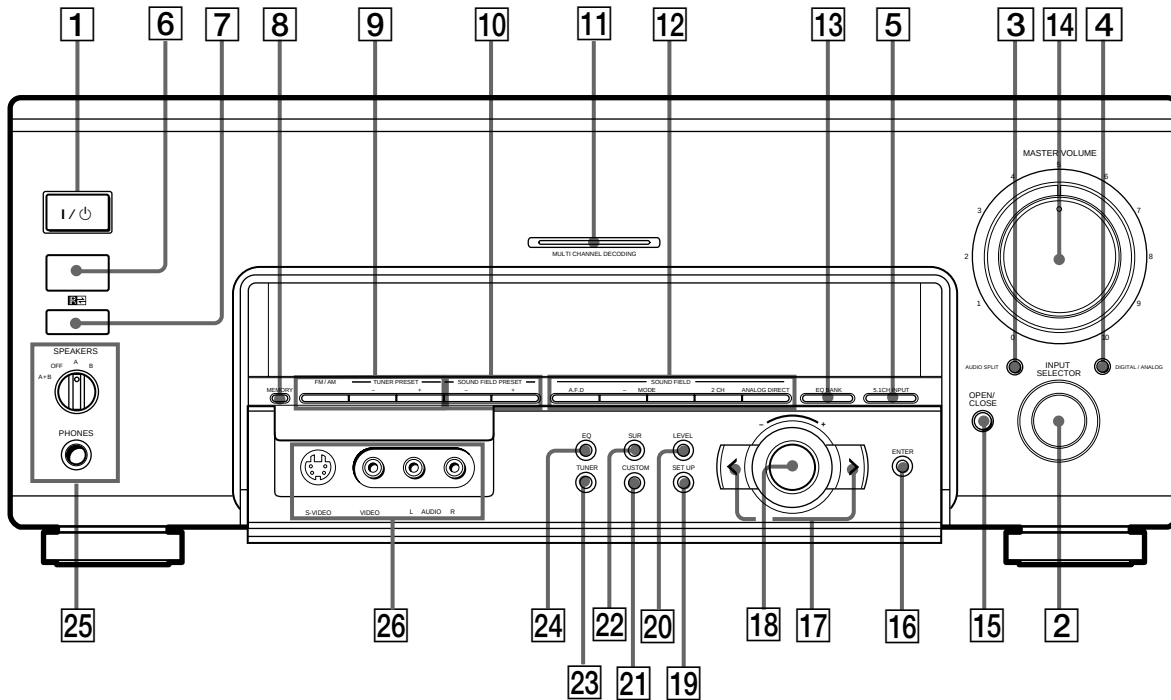
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ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

SECTION 1 GENERAL

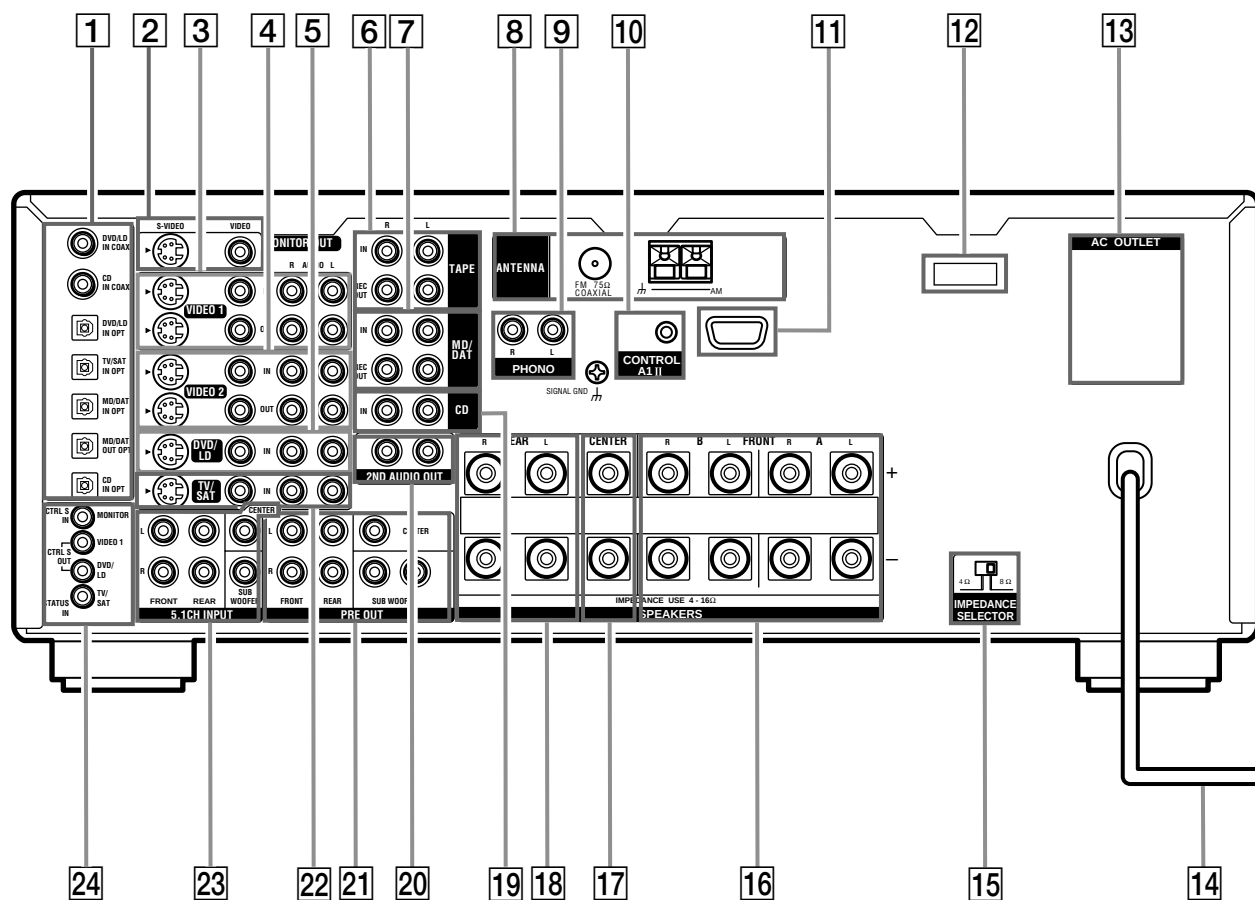
FRONT PANEL SECTION



- 1** I/⏻ switch
- 2** INPUT SELECTOR knob
- 3** AUDIO SPLIT button
- 4** DIGITAL/ANALOG button
- 5** 5.1CH INPUT button
- 6** IR emitter
- 7** IR receptor
- 8** MEMORY button
- 9** TUNER PRESET +/- button
- 10** FM/AM button
- 11** SOUND FIELD PRESET +/- button
- 12** MULTICHANNEL DECODING indicator
- 13** A.F.D button
- 14** MODE +/- buttons
- 15** 2CH button
- 16** ANALOG DIRECT button

- 17** EQ BANK button
- 18** MASTER VOLUME knob
- 19** OPEN/CLOSE button
- 20** ENTER button
- 21** Cursor buttons (</>)
- 22** Jog dial
- 23** SET UP button
- 24** LEVEL button
- 25** CUSTOM button
- 26** SUR button
- 27** TUNER button
- 28** EQ button
- 29** SPEAKERS selector knob
- 30** PHONES jack
- 31** VIDEO 3 jack

REAR PANEL SECTION



- 1** DIGITAL jack
- 2** MONITOR OUT jack
- 3** VIDEO 1 jack
- 4** VIDEO 2 jack
- 5** DVD/LD jack
- 6** TAPE jack
- 7** MD/DAT jack
- 8** ANTENNA
- 9** PHONO jack
- 10** CONTROL A1 II jack
- 11** RS-232C
- 12** VOLTAGE SELECRTOR switch
(E,PX model)

- 13** AC OUTLET
- 14** Power cord
- 15** IMPEDANCE SELECTOR switch
- 16** FRONT SPEAKER terminal
- 17** CENTER SPEAKER terminal
- 18** REAR SPEAKER terminal
- 19** CD jack
- 20** 2ND AUDIO OUT jack
- 21** PRE OUT jack
- 22** TV/SAT jack
- 23** 5.1CH INPUT jack
- 24** CONTROL S jack
(US, Canadian model)

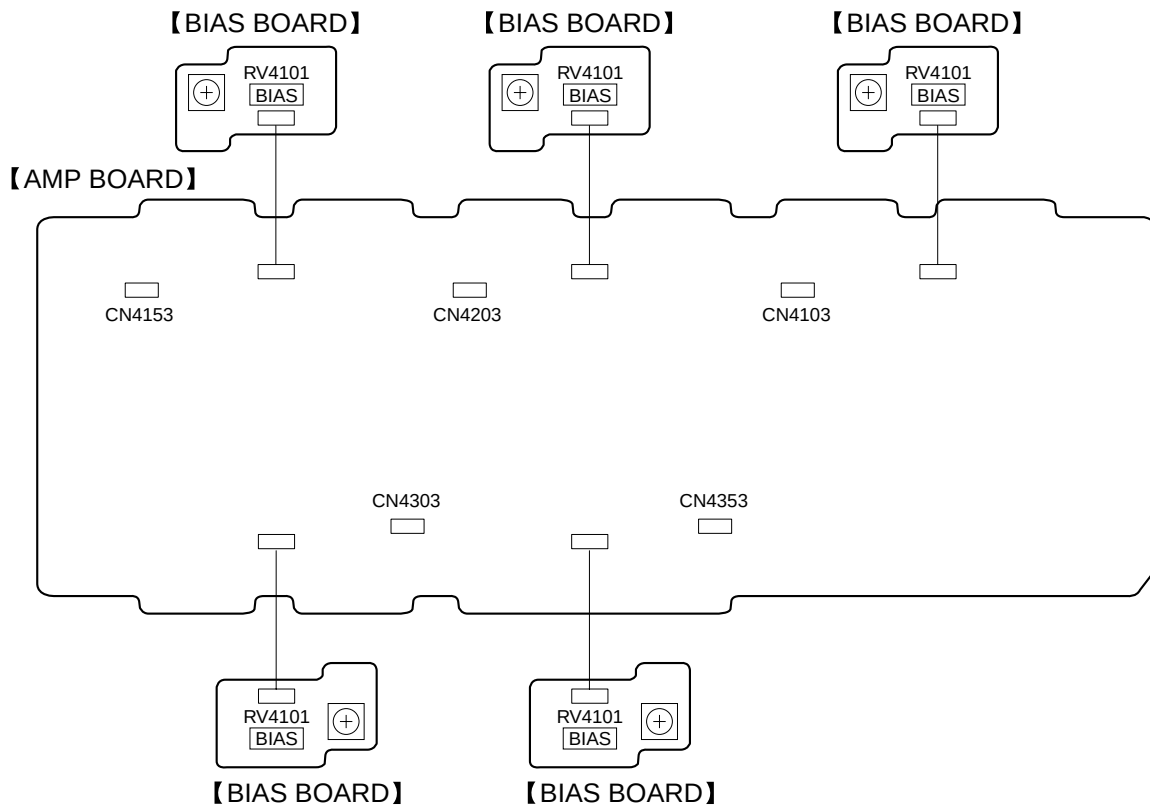
SECTION 2 ADJUSTMENT

Electrical adjustments

[BIAS adjustment]

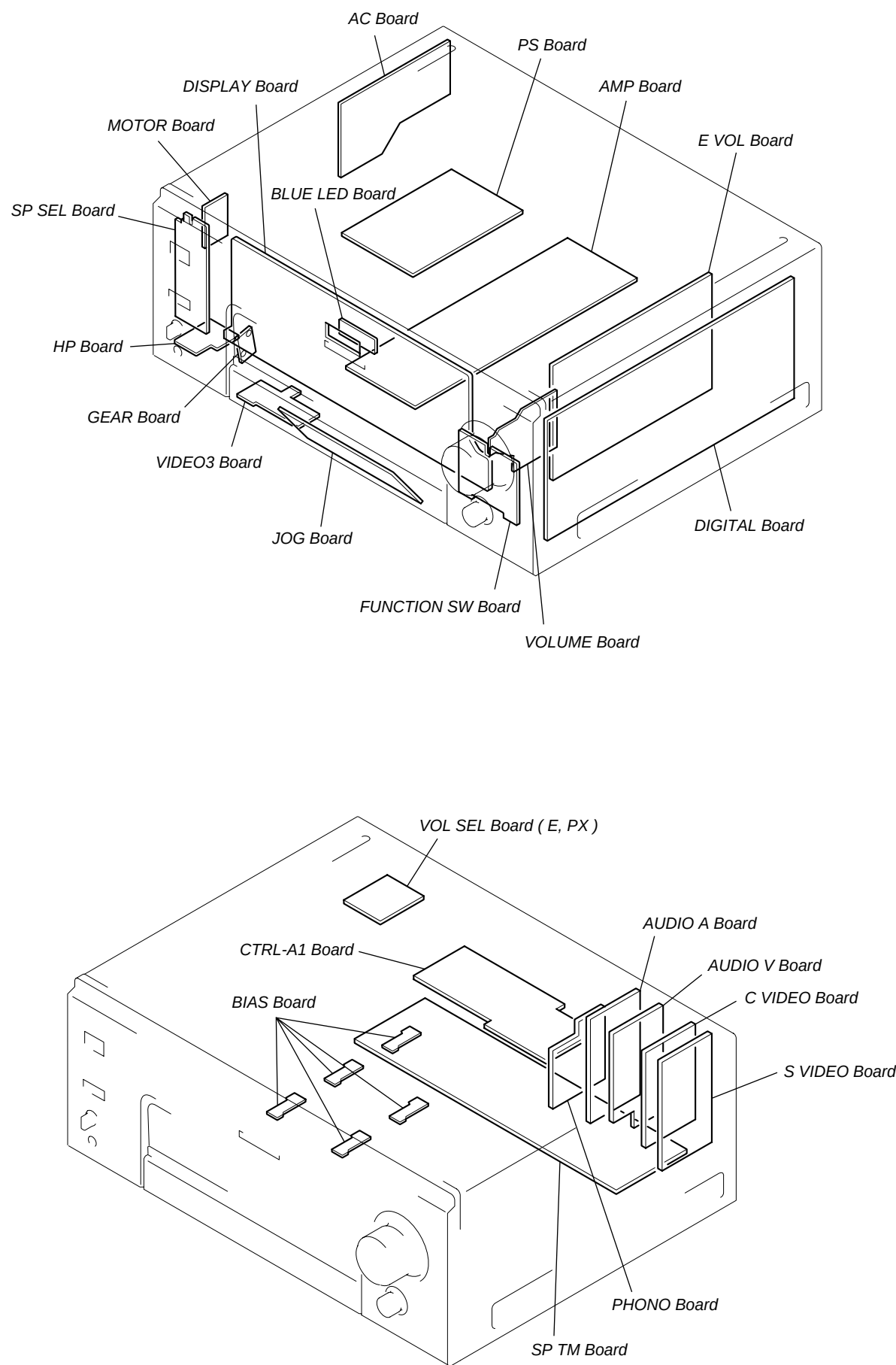
Conditions : VOLUME : MIN
Input signal : No signal (no load)

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

Note:

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

以阴影和 Δ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Note:

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

- : B+ Line.
- : B- Line.
- : 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 a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 - : FM
 - : CD
 - : DIGITAL
 - : PHONO
- Abbreviation
 - CND :Canadian model
 - AUS :Australian model
 - MY :Malaysia model
 - SP :Singapore model
 - CH :Chinese model

For printed wiring boards.

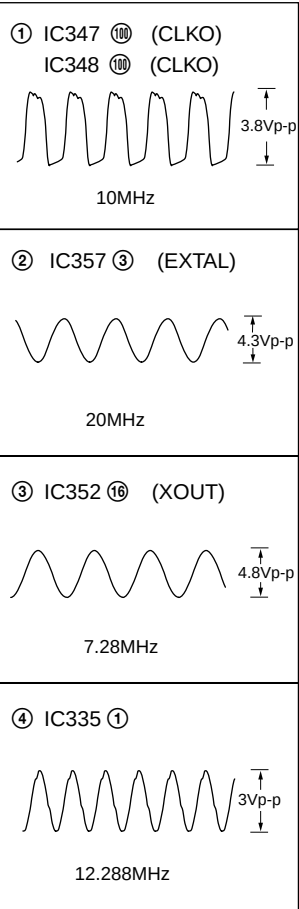
Note:

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

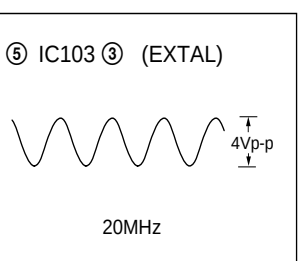
Caution:

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.

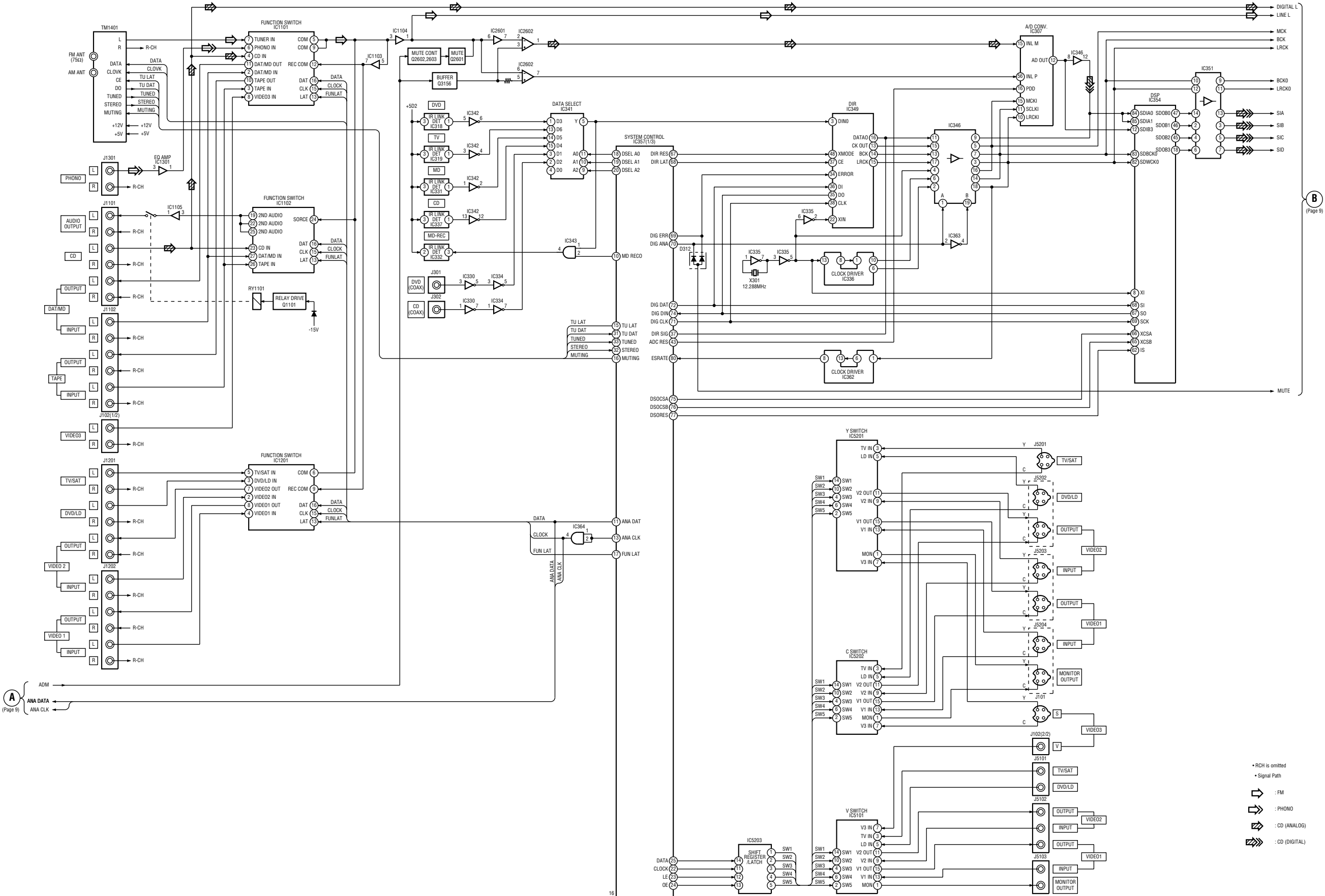
• Waveform
DIGITAL Board



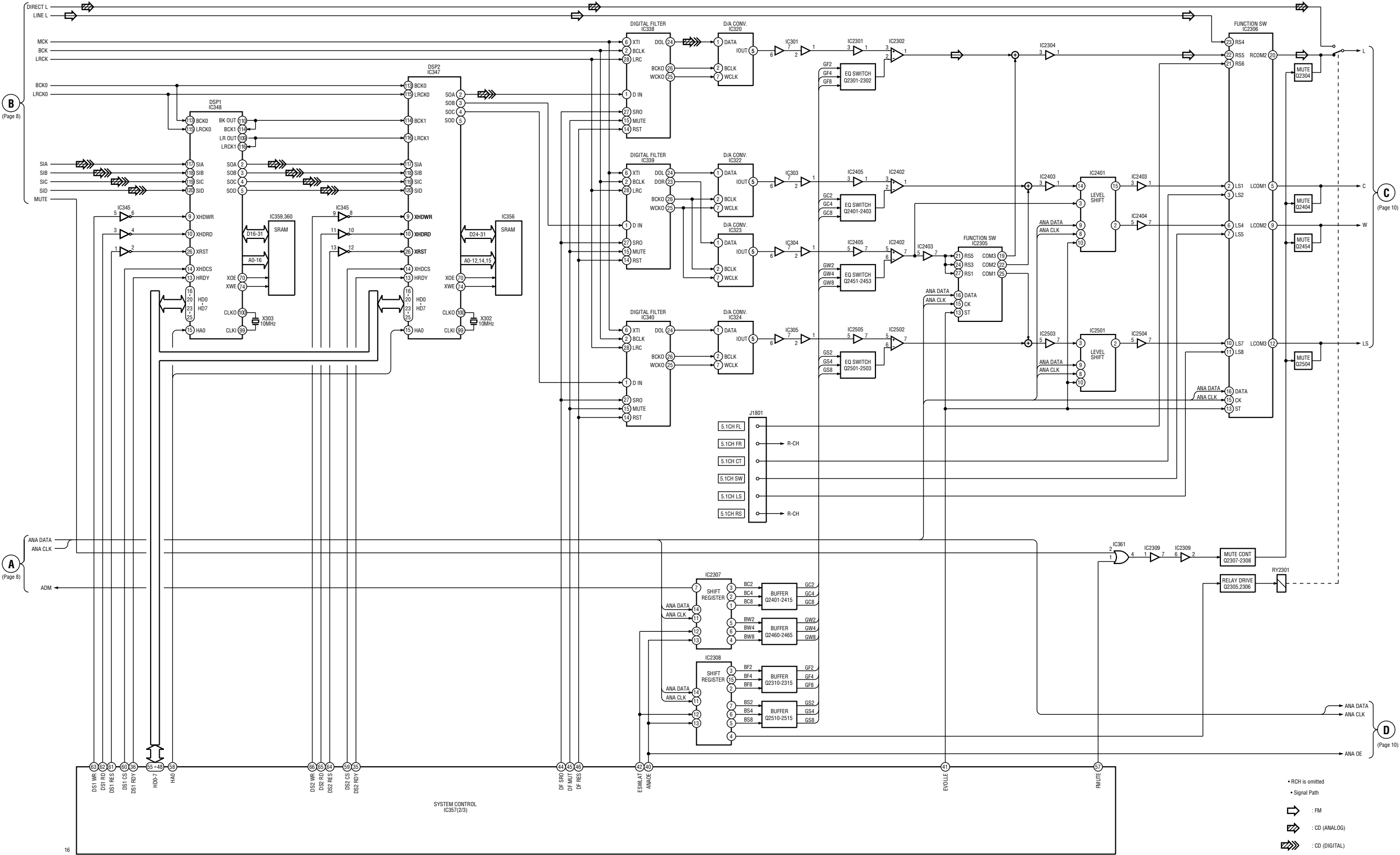
DISPLAY Board



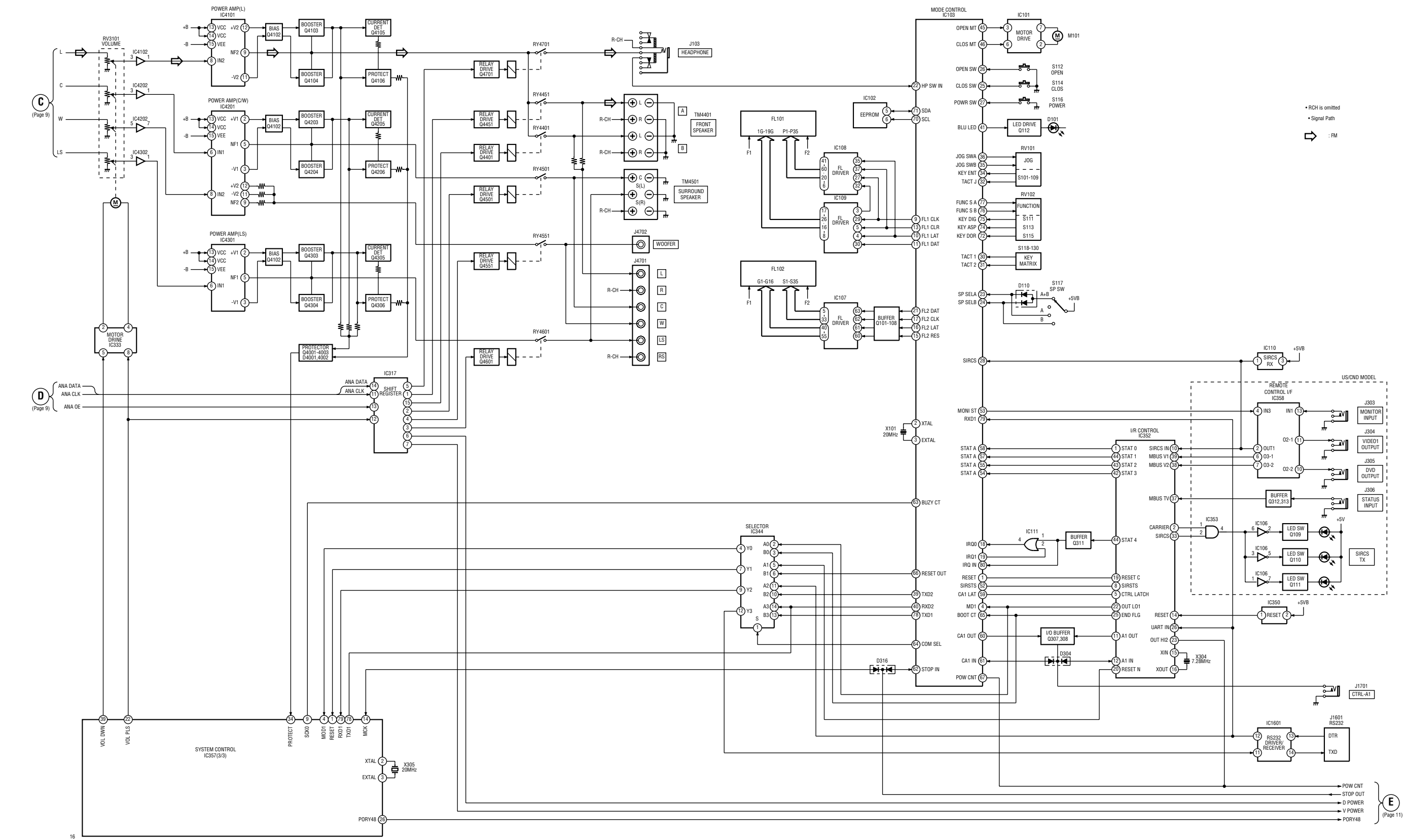
3-2. BLOCK DIAGRAM MAIN SECTION



3-3. BLOCK DIAGRAM DIGITAL SECTION

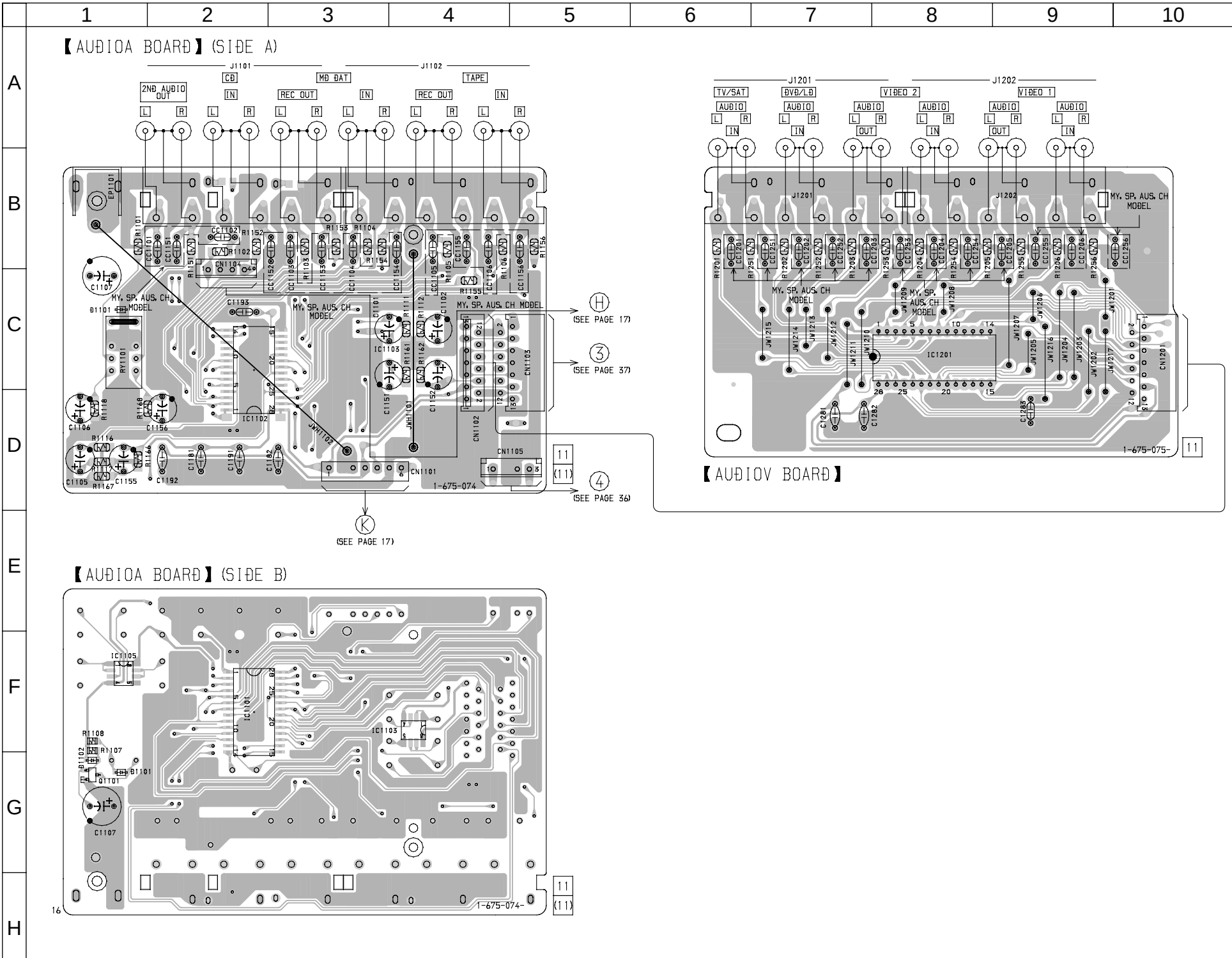


3-4. BLOCK DIAGRAM CONTROL SECTION

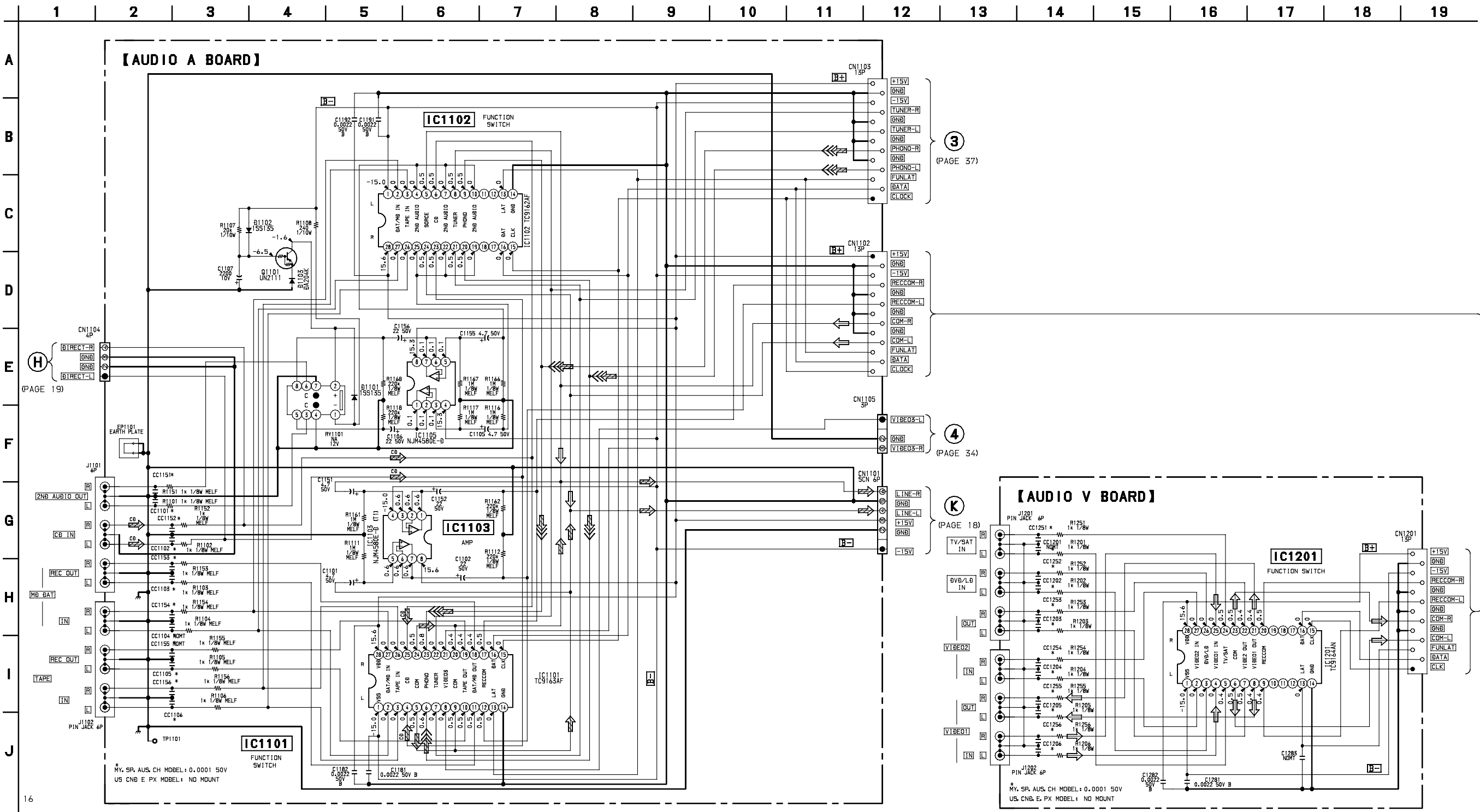




Ref. No.	Location
D1101	G-1
D1102	F-1
IC1101	F-2
IC1102	D-2
IC1103	F-4
IC1105	F-1
IC1201	C-8
Q1101	G-1



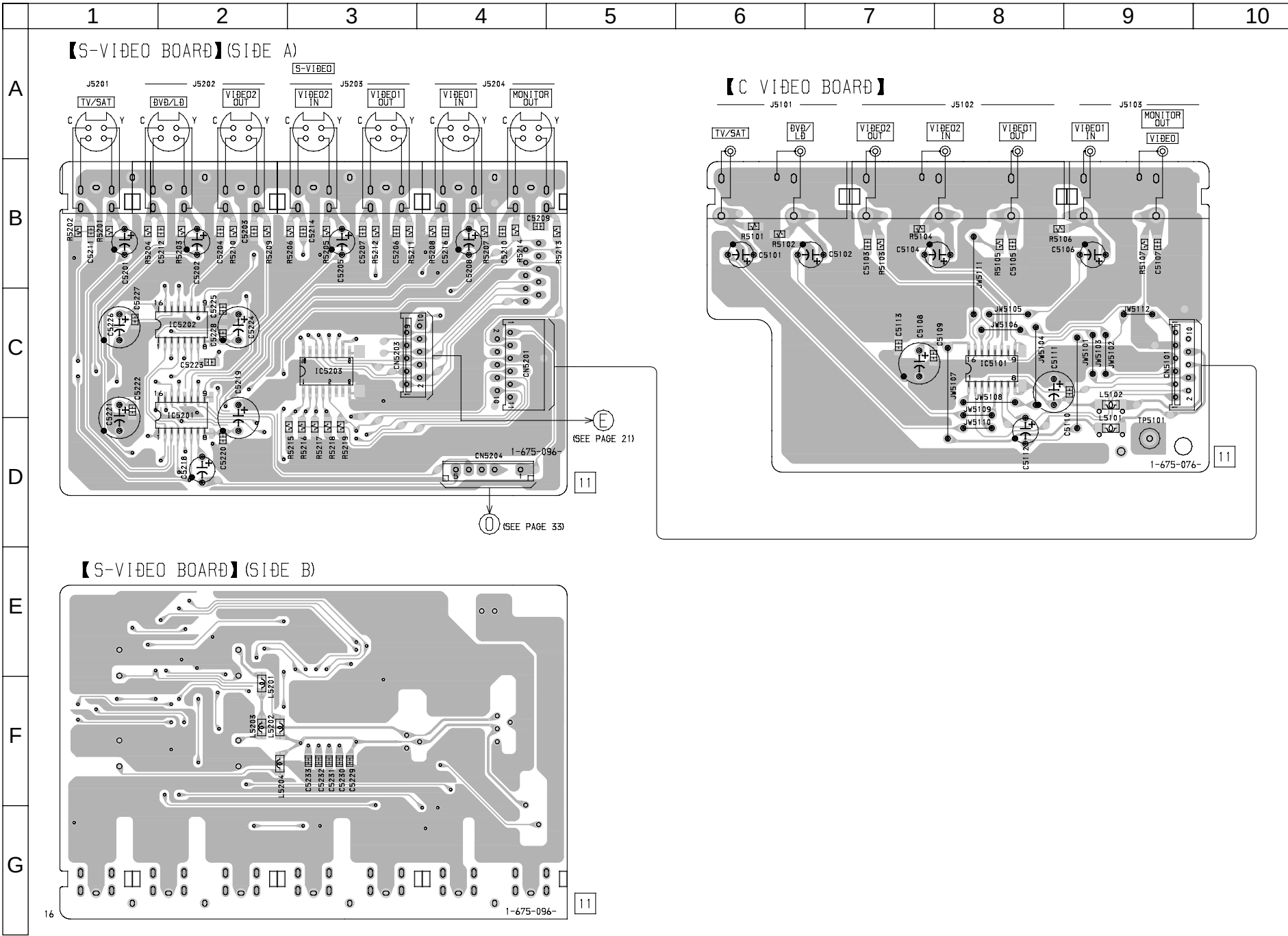
3-7. SCHEMATIC DIAGRAM AUDIO SECTION • See page 43,44 for IC Block Diagrams.



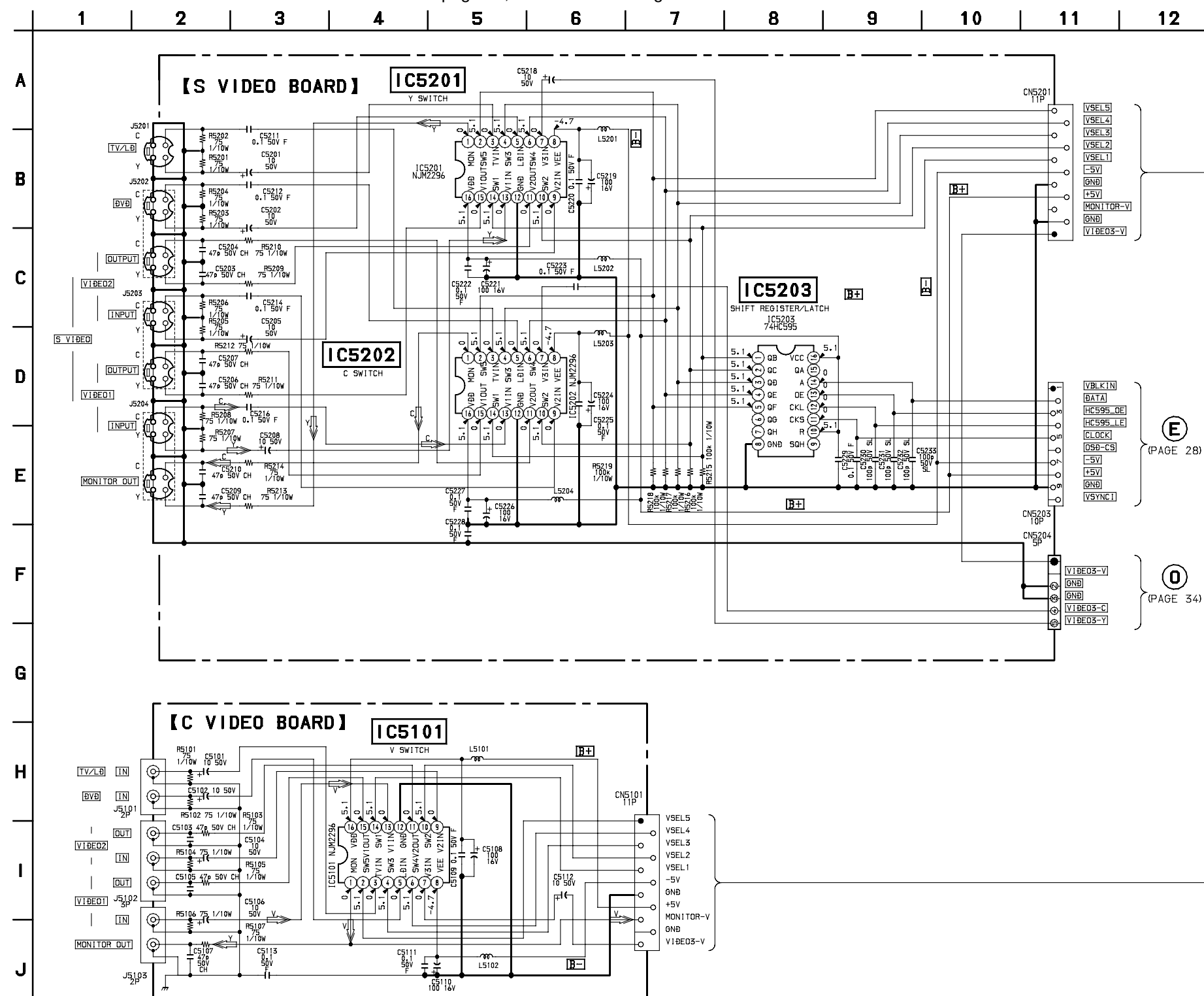
3-8. PRINTED WIRING BOARD VIDEO SECTION

- See page 7 for Circuit Boards Location.

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

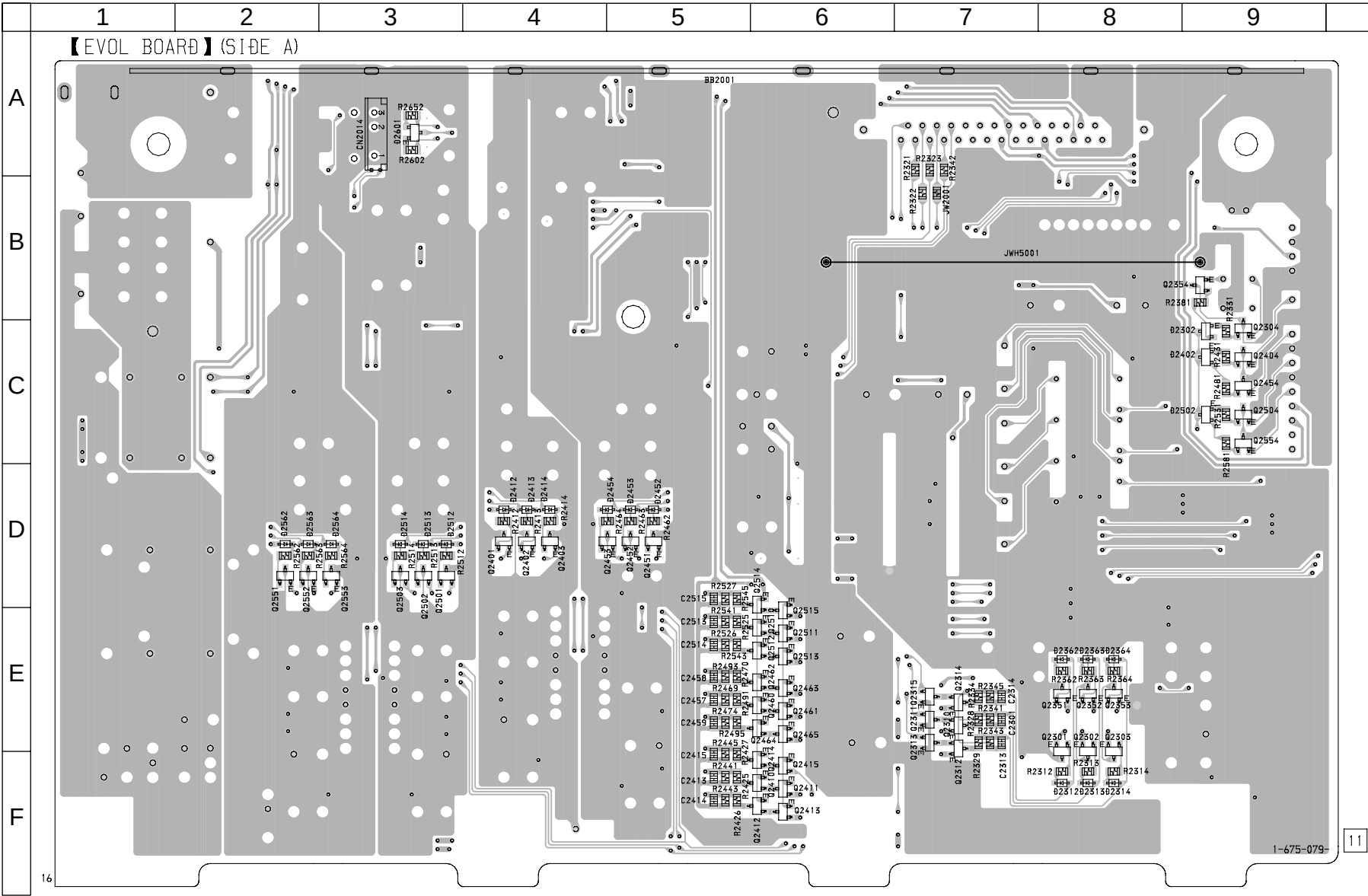


3-9. SCHEMATIC DIAGRAM VIDEO SECTION • See page 44,45 for IC Block Diagrams.

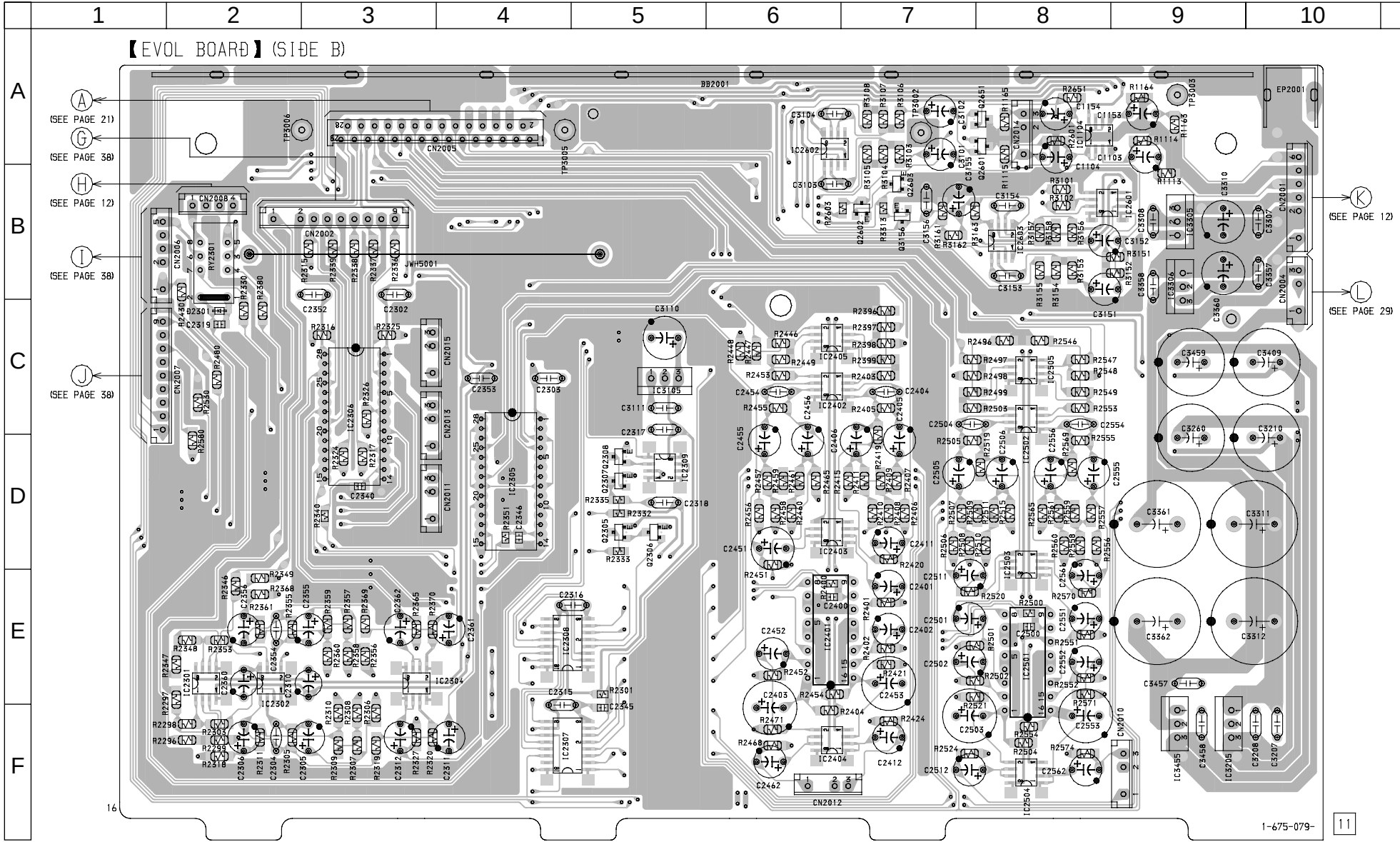


• Semiconductor Location

Ref. No.	Location
D2302	B-9
D2312	F-8
D2313	F-8
D2314	F-8
D2362	D-8
D2363	D-8
D2364	D-8
D2402	C-9
D2412	D-4
D2413	D-4
D2414	D-4
D2452	D-5
D2453	D-5
D2454	D-5
D2502	C-9
D2512	D-3
D2513	D-3
D2514	D-3
D2562	D-2
D2563	D-3
D2564	D-3
D2601	A-3
Q2301	E-8
Q2302	E-8
Q2303	E-8
Q2304	C-9
Q2310	E-7
Q2311	E-7
Q2312	F-7
Q2313	E-7
Q2314	E-7
Q2315	E-7
Q2351	E-8
Q2352	E-8
Q2353	E-8
Q2354	B-9
Q2401	D-4
Q2402	D-4
Q2403	D-4
Q2404	C-9
Q2410	F-6
Q2411	F-6
Q2412	F-6
Q2413	F-6
Q2414	F-6
Q2415	F-6
Q2451	D-5
Q2452	D-5
Q2453	D-5
Q2454	C-9
Q2460	E-6
Q2461	E-6
Q2462	E-6
Q2463	E-6
Q2464	E-6
Q2465	E-6
Q2501	D-3
Q2502	D-3
Q2503	D-3
Q2504	C-9
Q2510	E-6
Q2511	E-6
Q2512	E-6
Q2513	E-6
Q2514	E-6
Q2515	D-6
Q2551	D-2
Q2552	D-3
Q2553	D-3
Q2554	C-9



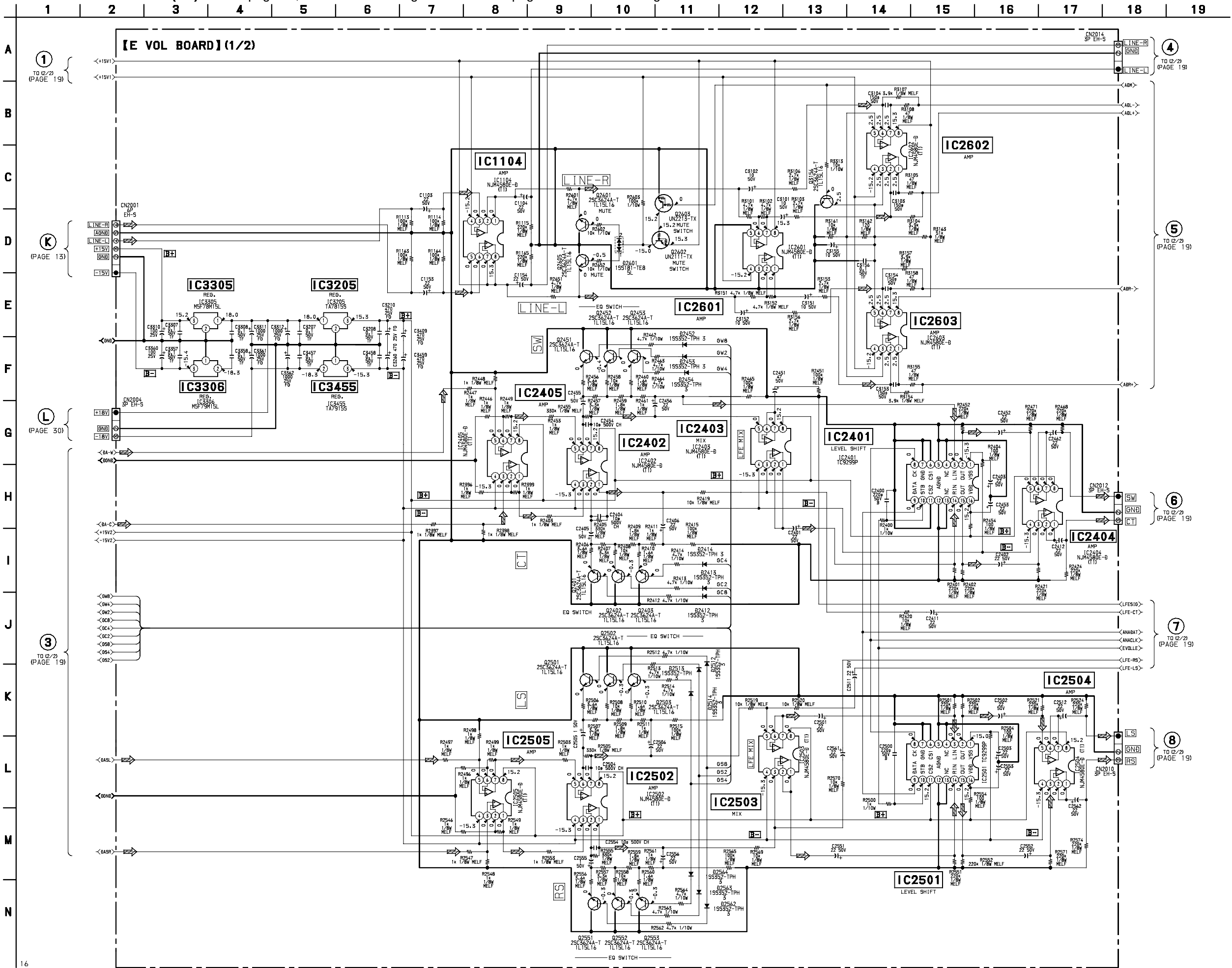
3-11. PRINTED WIRING BOARD VOLUME SECTION(SIDE B) • See page 7 for Circuit Boards Location.



• 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

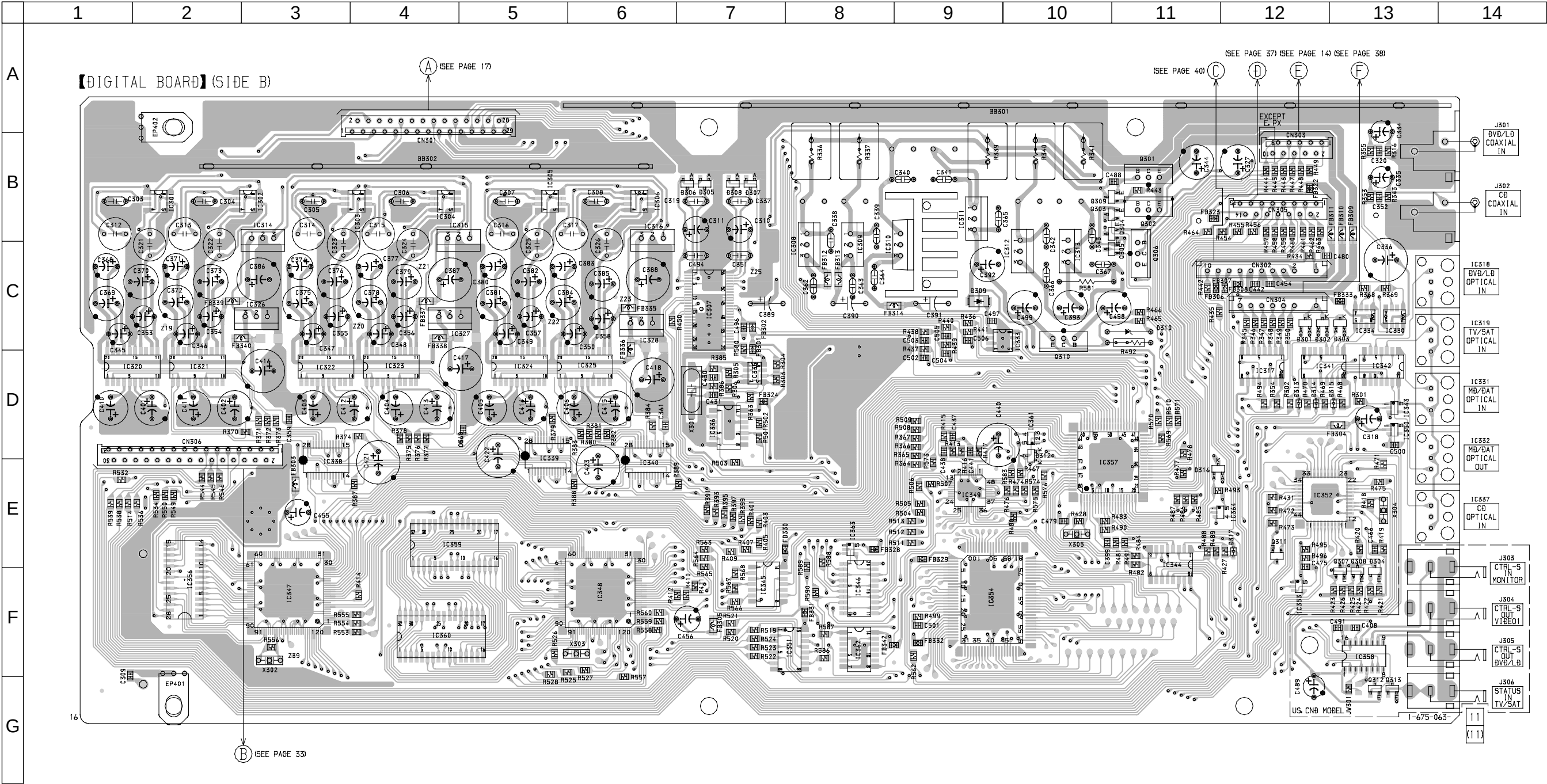
3-12. SCHEMATIC DIAGRAM VOLUME SECTION(1/2) • See page 16,17 for Printed Wiring Boards. • See page 44 for IC Block Diagrams.







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

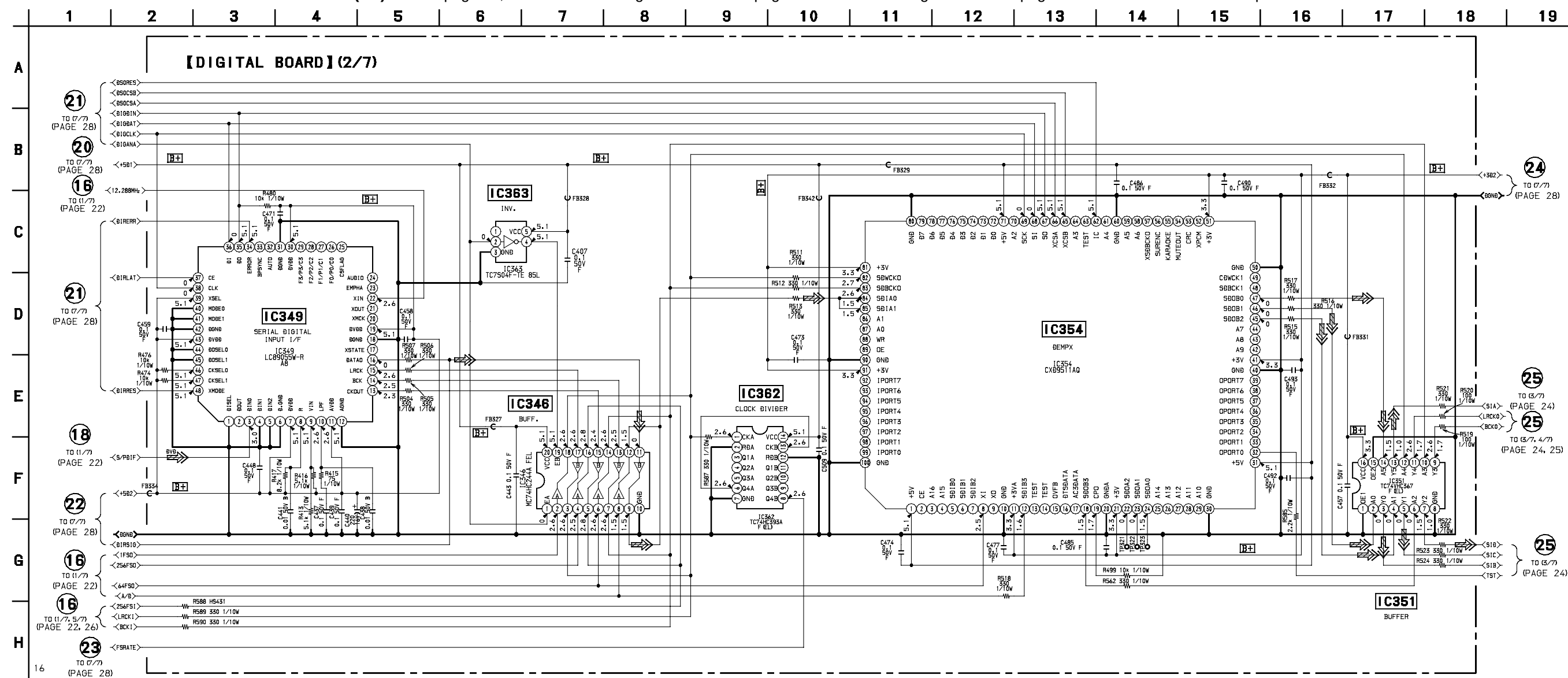


• Semiconductor Location

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	IC356	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				

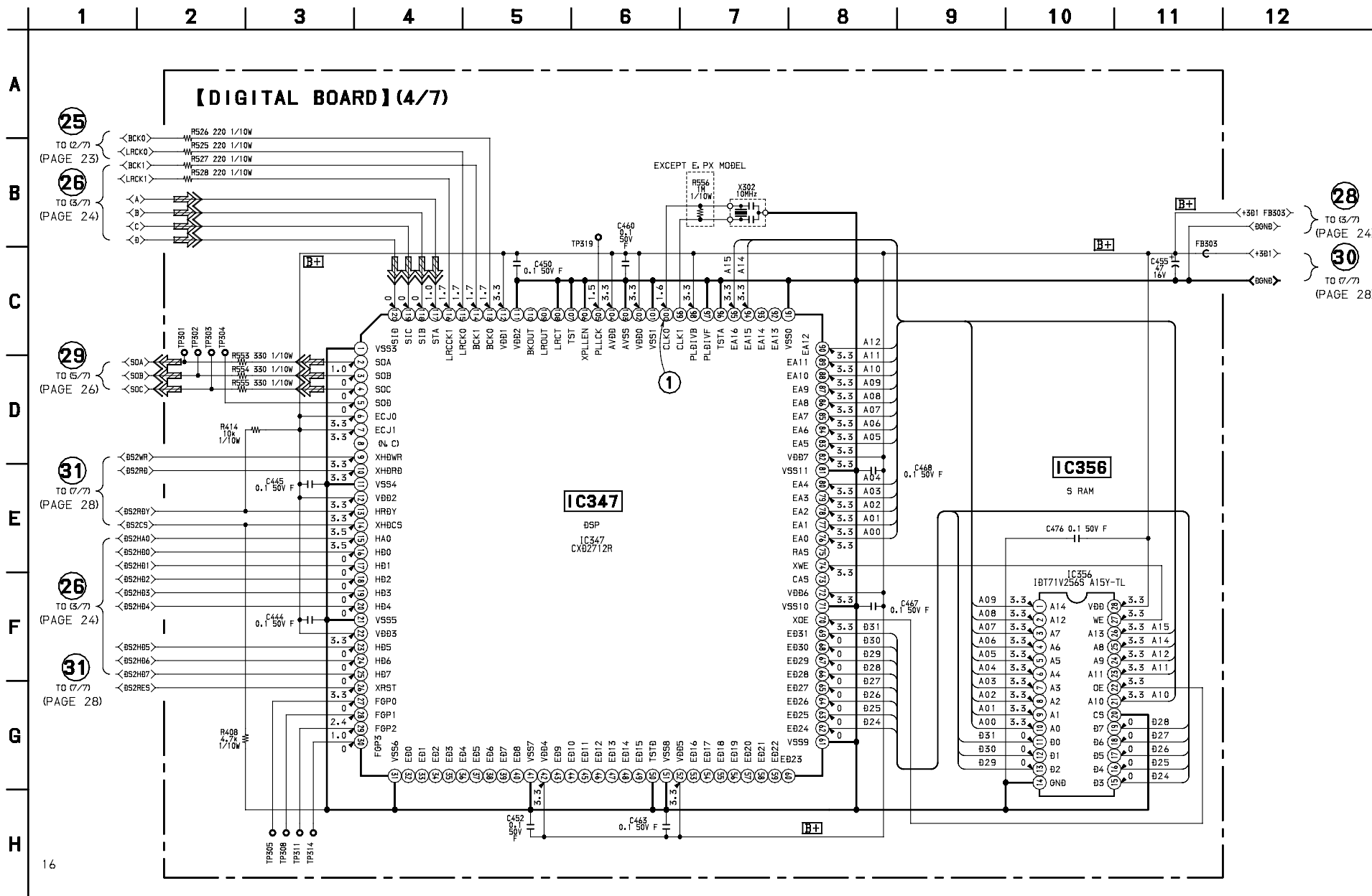


3-17. SCHEMATIC DIAGRAM DIGITAL SECTION(2/7) • See page 20,21 for Printed Wiring Boards. • See page 45 for IC Block Diagrams. • See page 51 for IC Pin Function Description.



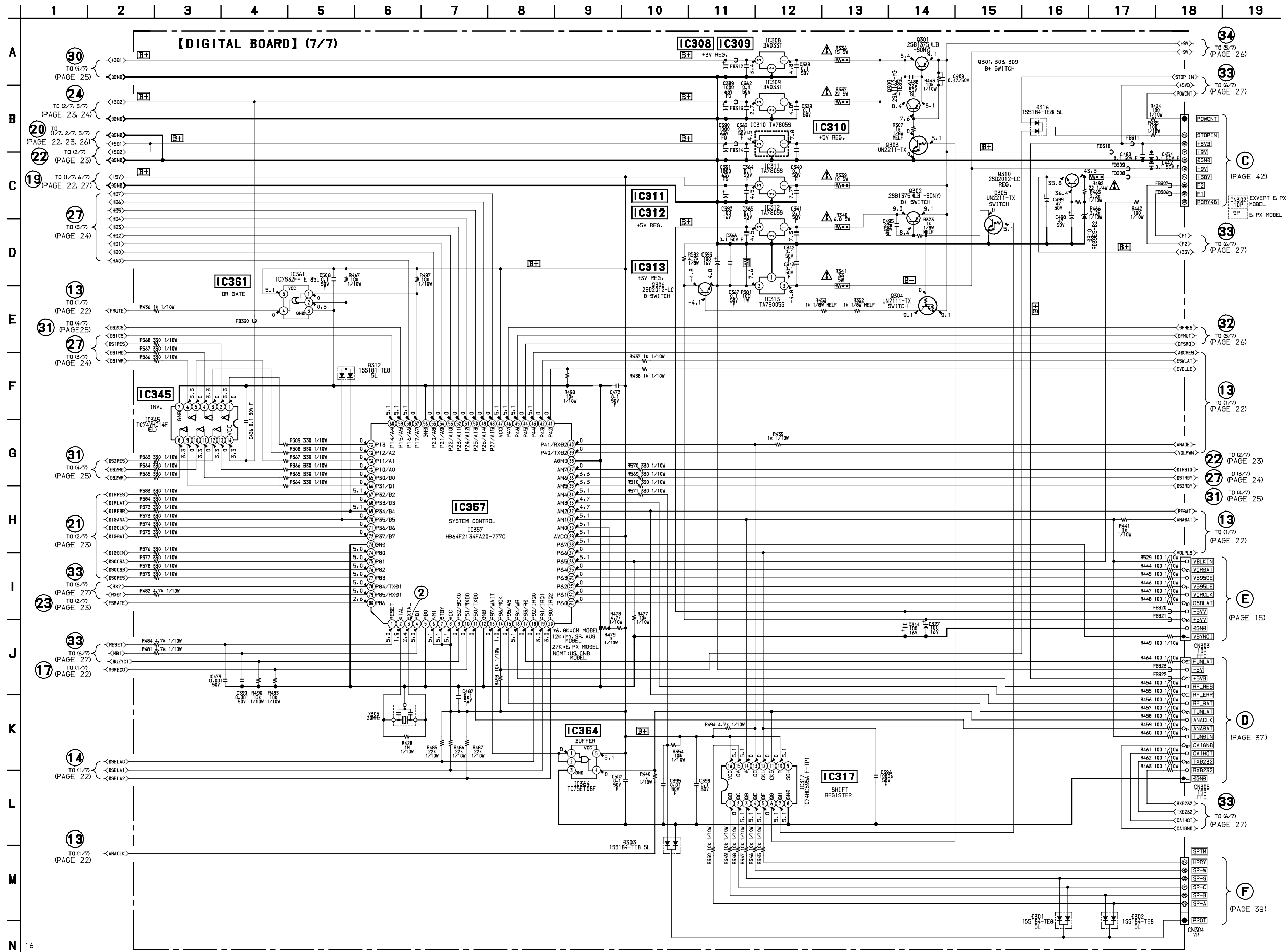


3-19. SCHEMATIC DIAGRAM DIGITAL SECTION(4/7) • See page 7 for Waveform. • See page 20,21 for Printed Wiring Boards. • See page 47 for IC Pin Function Description.







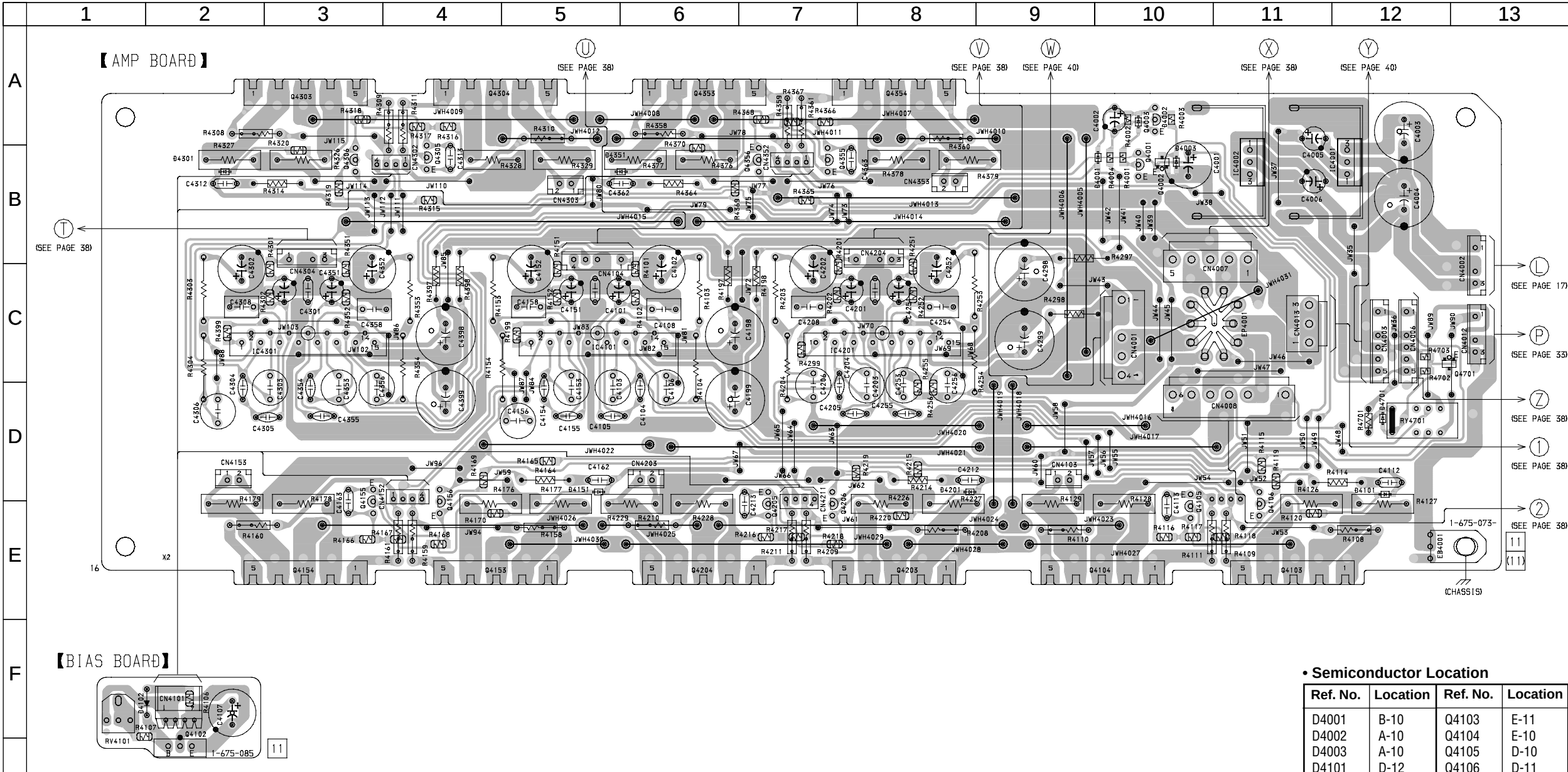


The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

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

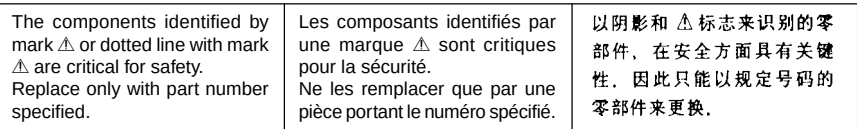
以阴影和 Δ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

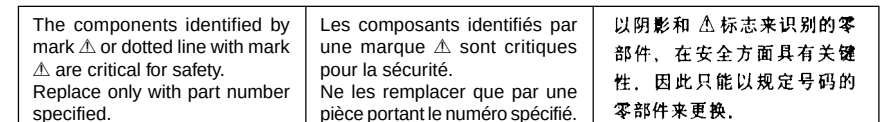
3-23. PRINTED WIRING BOARD AMP SECTION • See page 7 for Circuit Boards Location.



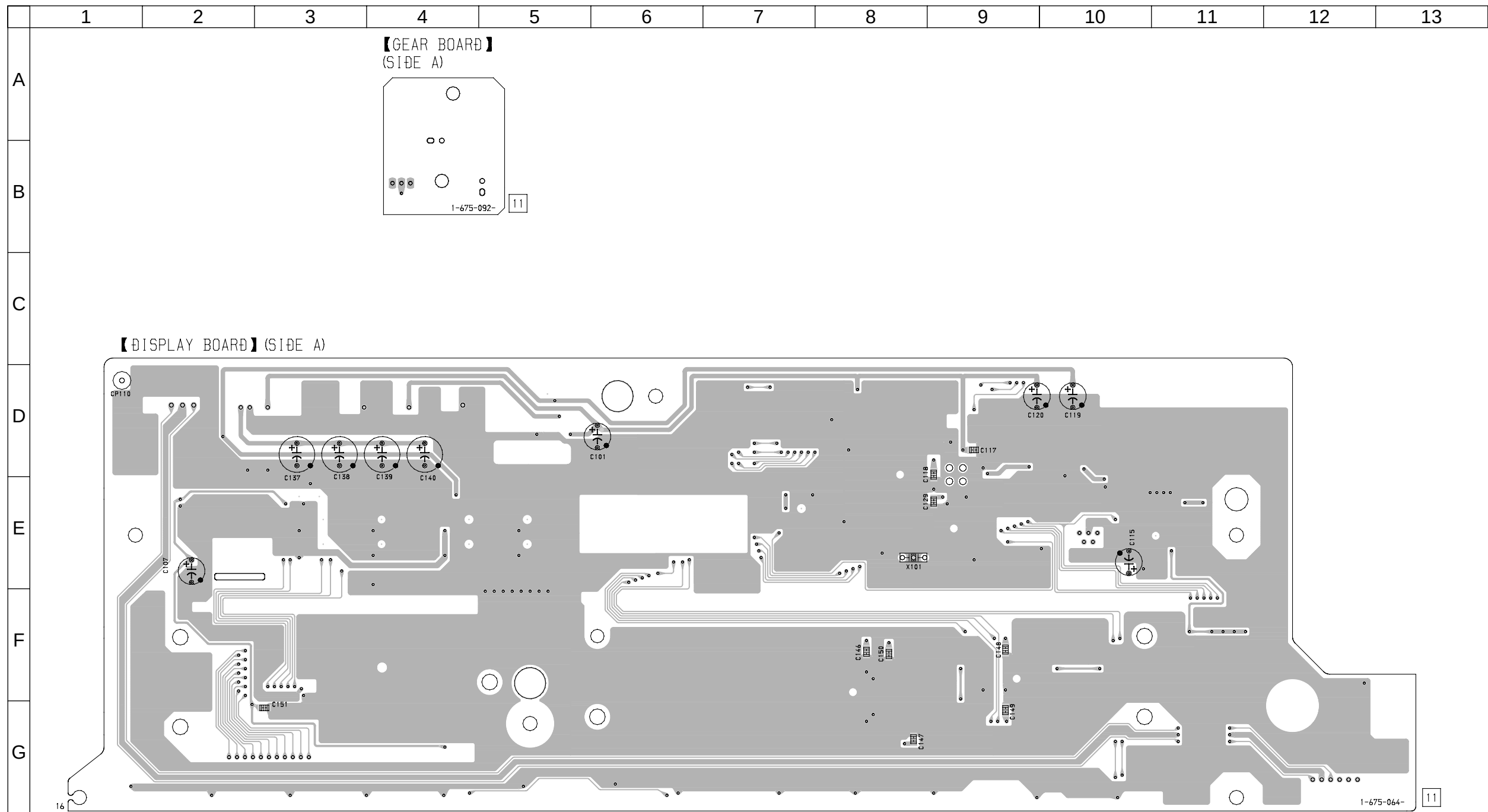
• Semiconductor Location

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
		Q4206	D-7
IC4001	A-12	Q4303	A-3
IC4002	A-11	Q4304	A-4
IC4101	C-5	Q4305	B-4
IC4201	C-7	Q4306	B-3
IC4301	C-3	Q4353	A-6
		Q4354	A-8
Q4001	A-10	Q4355	B-7
Q4002	A-10	Q4356	B-7
Q4003	A-10		
Q4102	F-2	Q4701	C-13

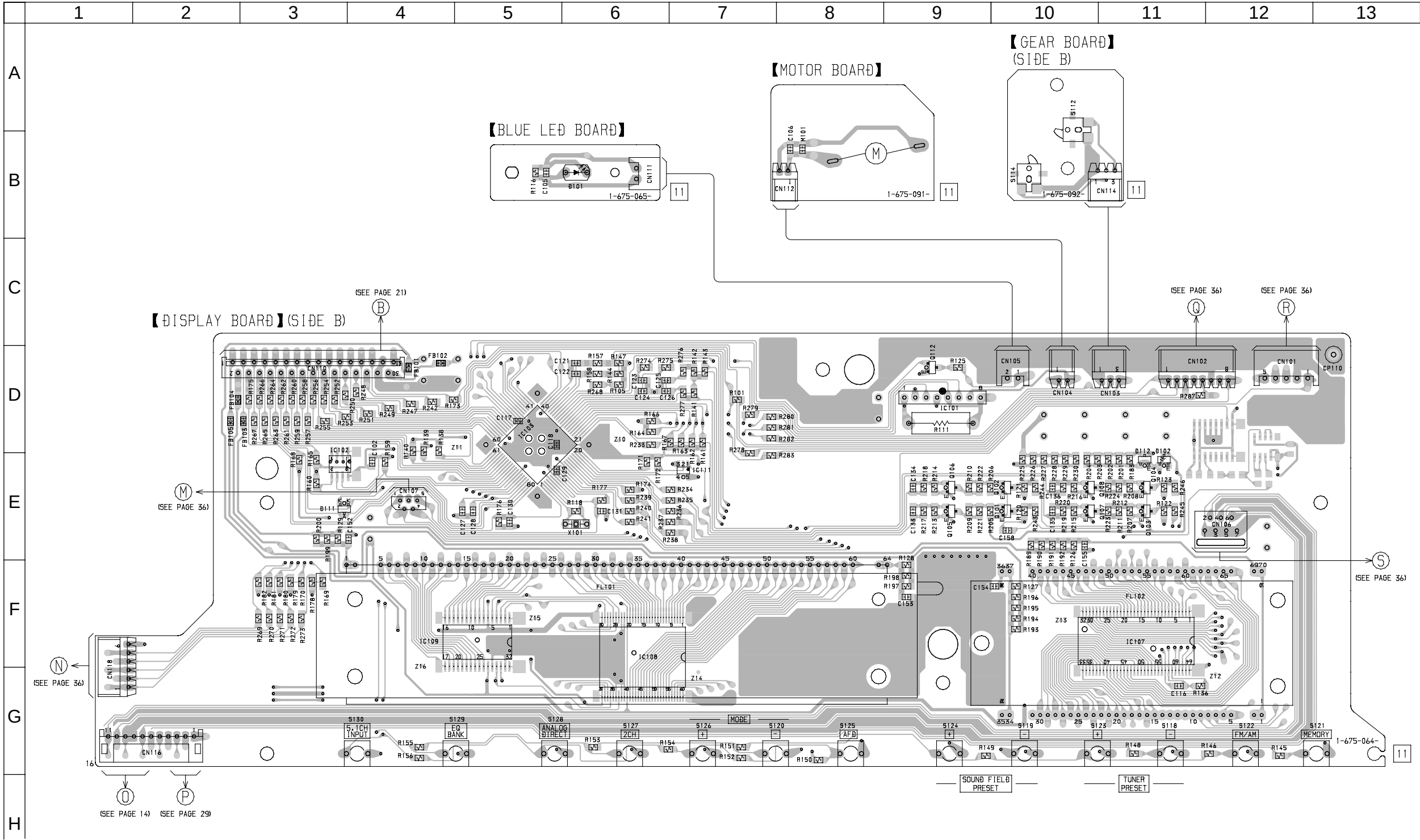




3-26. PRINTED WIRING BOARD DISPLAY SECTION(SIDE A) • See page 7 for Circuit Boards Location.



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



• Semiconductor Location

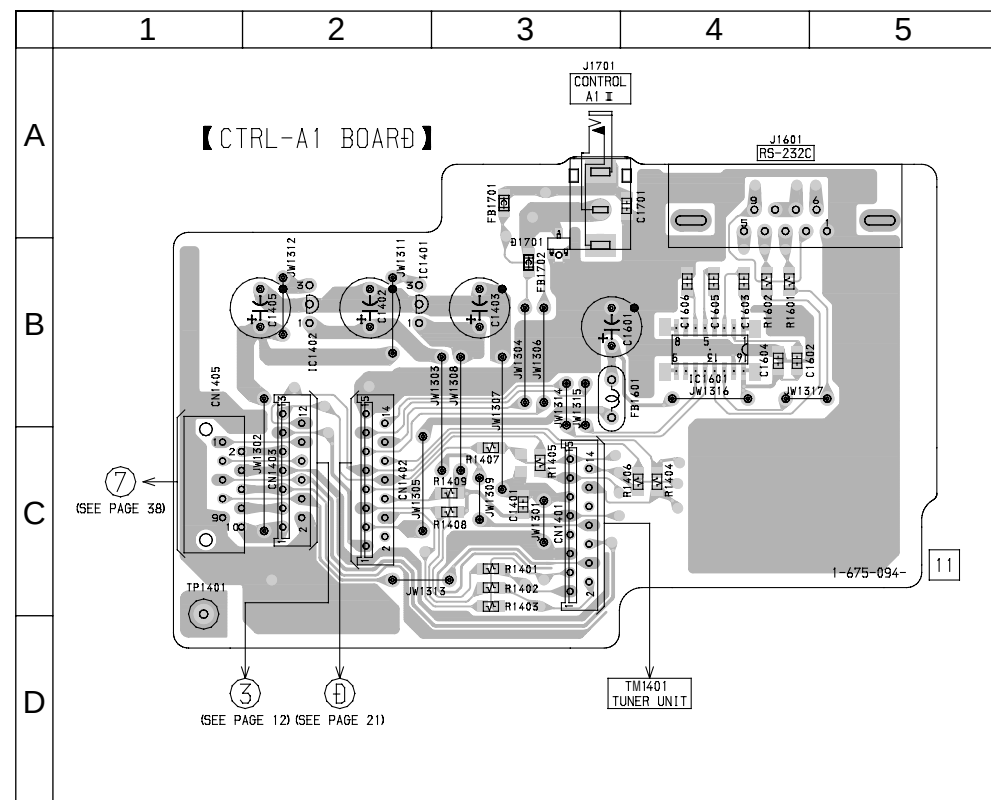
Ref. No.	Location
D101	B-6
D102	D-11
D111	E-3
D112	D-11
IC101	C-9
IC102	D-3
IC103	D-5
IC107	F-11
IC108	F-6
IC109	F-4
IC111	D-7
Q101	D-10
Q102	D-10
Q103	D-11
Q104	D-11
Q105	D-9
Q106	D-9
Q107	D-10
Q108	D-10
Q112	C-9



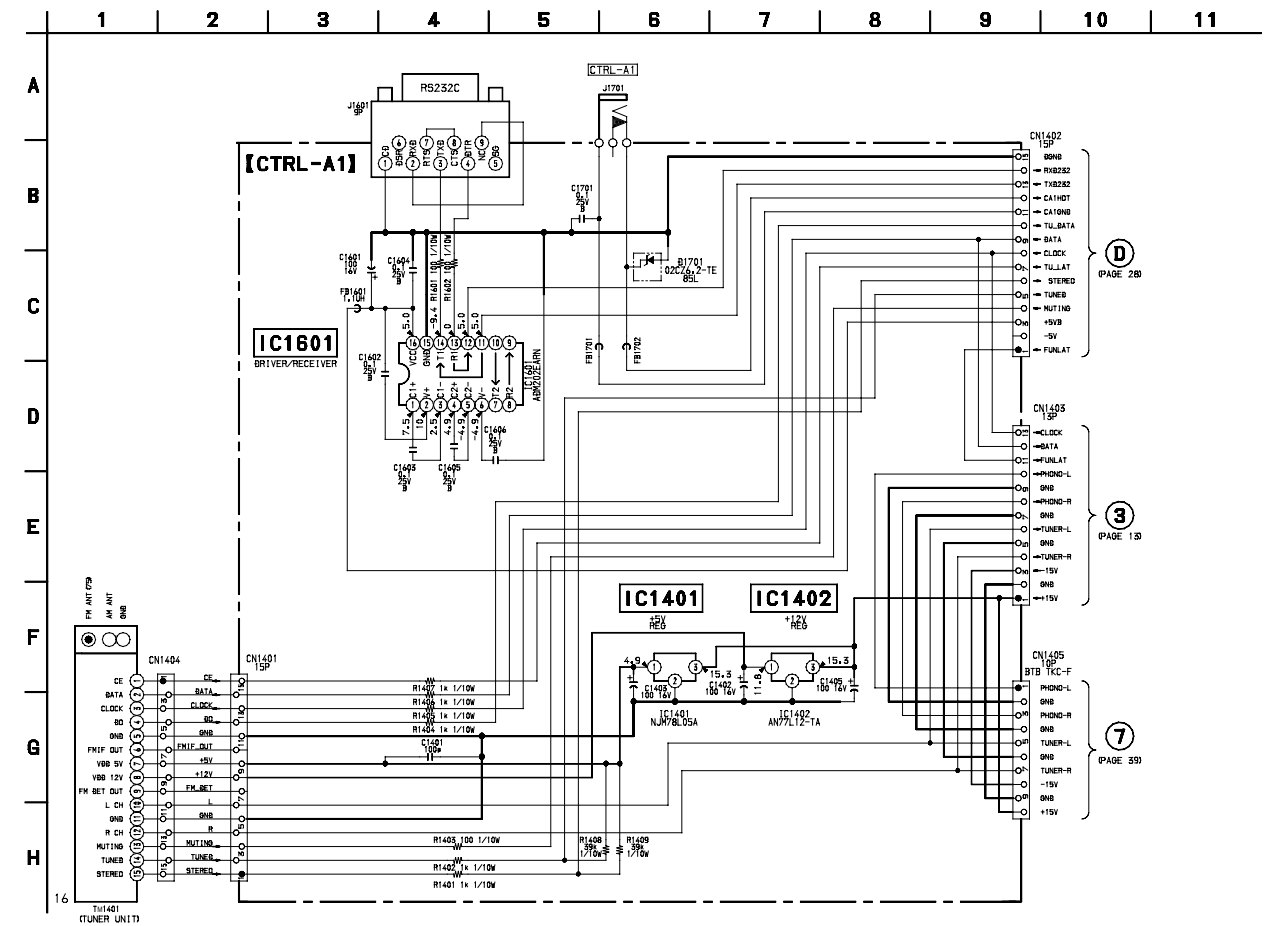




3-31. PRINTED WIRING BOARD CONTROL JACK SECTION • See page 7 for Circuit Boards Location.



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



1 2 3 4 5 6 7 8 9 10 11

A

B

C

D

E

F

G

H

【SP TM BOARD】

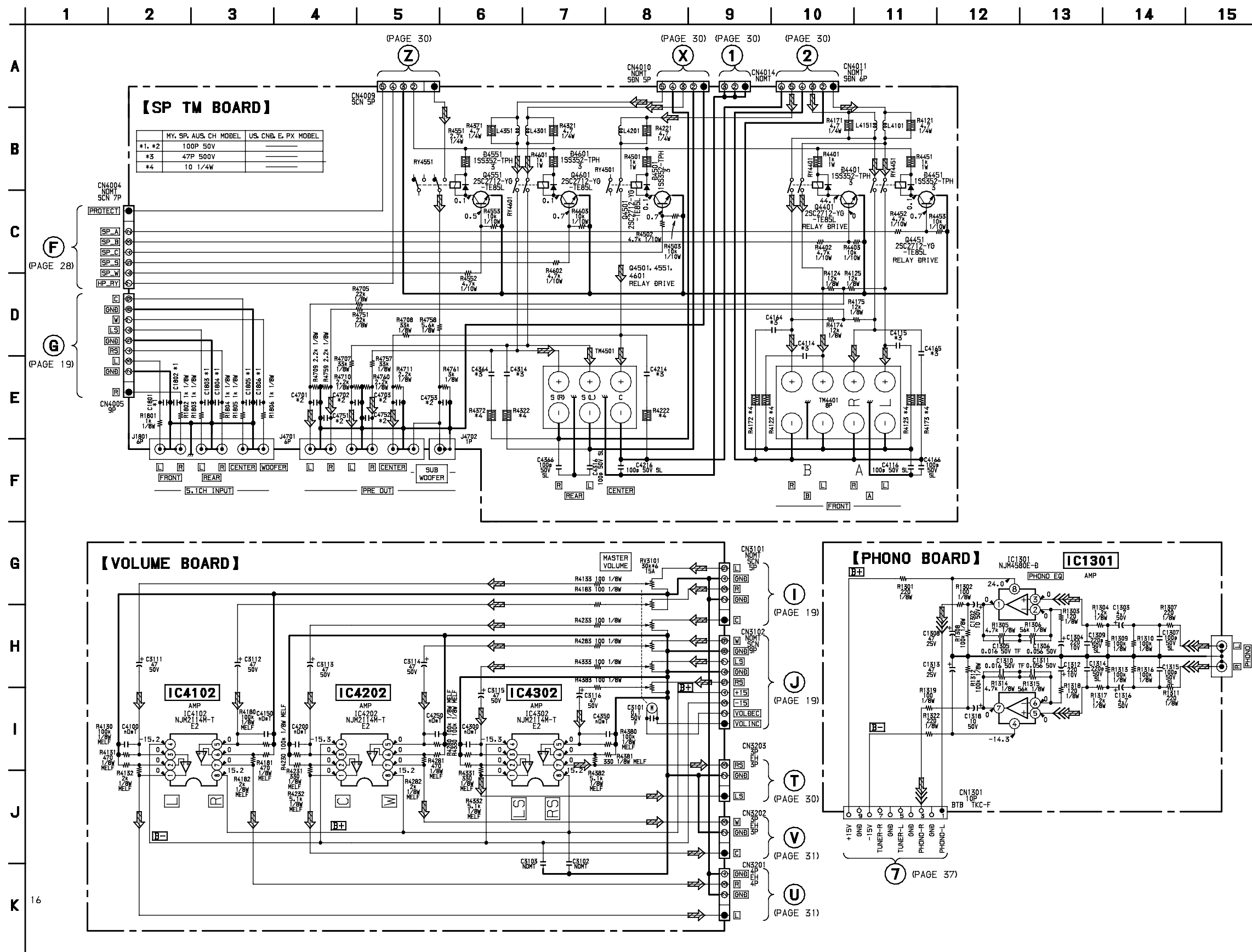
J1801 5.1CH INPUT REAR SUBWOOFER CENTER FRONT PRE OUT J4701 J4702 TM4501

R1802 R1801 R1804 R1803 R1806 R1805 C1802 C1804 C1806 C1805 C4701 C4702 C4751 C4752 C4753 C4754 C4755 C4756 C4757 C4758 C4759 C4760 C4761 C4762 C4763 C4764 C4765 C4766 C4767 C4768 C4769 C4770 C4771 C4772 C4773 C4774 C4775 C4776 C4777 C4778 C4779 C4780 C4781 C4782 C4783 C4784 C4785 C4786 C4787 C4788 C4789 C4790 C4791 C4792 C4793 C4794 C4795 C4796 C4797 C4798 C4799 C4800 C4801 C4802 C4803 C4804 C4805 C4806 C4807 C4808 C4809 C4810 C4811 C4812 C4813 C4814 C4815 C4816 C4817 C4818 C4819 C4820 C4821 C4822 C4823 C4824 C4825 C4826 C4827 C4828 C4829 C4830 C4831 C4832 C4833 C4834 C4835 C4836 C4837 C4838 C4839 C4840 C4841 C4842 C4843 C4844 C4845 C4846 C4847 C4848 C4849 C4850 C4851 C4852 C4853 C4854 C4855 C4856 C4857 C4858 C4859 C4860 C4861 C4862 C4863 C4864 C4865 C4866 C4867 C4868 C4869 C4870 C4871 C4872 C4873 C4874 C4875 C4876 C4877 C4878 C4879 C4880 C4881 C4882 C4883 C4884 C4885 C4886 C4887 C4888 C4889 C4890 C4891 C4892 C4893 C4894 C4895 C4896 C4897 C4898 C4899 C4900 C4901 C4902 C4903 C4904 C4905 C4906 C4907 C4908 C4909 C4910 C4911 C4912 C4913 C4914 C4915 C4916 C4917 C4918 C4919 C4920 C4921 C4922 C4923 C4924 C4925 C4926 C4927 C4928 C4929 C4930 C4931 C4932 C4933 C4934 C4935 C4936 C4937 C4938 C4939 C4940 C4941 C4942 C4943 C4944 C4945 C4946 C4947 C4948 C4949 C4950 C4951 C4952 C4953 C4954 C4955 C4956 C4957 C4958 C4959 C4960 C4961 C4962 C4963 C4964 C4965 C4966 C4967 C4968 C4969 C4970 C4971 C4972 C4973 C4974 C4975 C4976 C4977 C4978 C4979 C4980 C4981 C4982 C4983 C4984 C4985 C4986 C4987 C4988 C4989 C4990 C4991 C4992 C4993 C4994 C4995 C4996 C4997 C4998 C4999 C5000

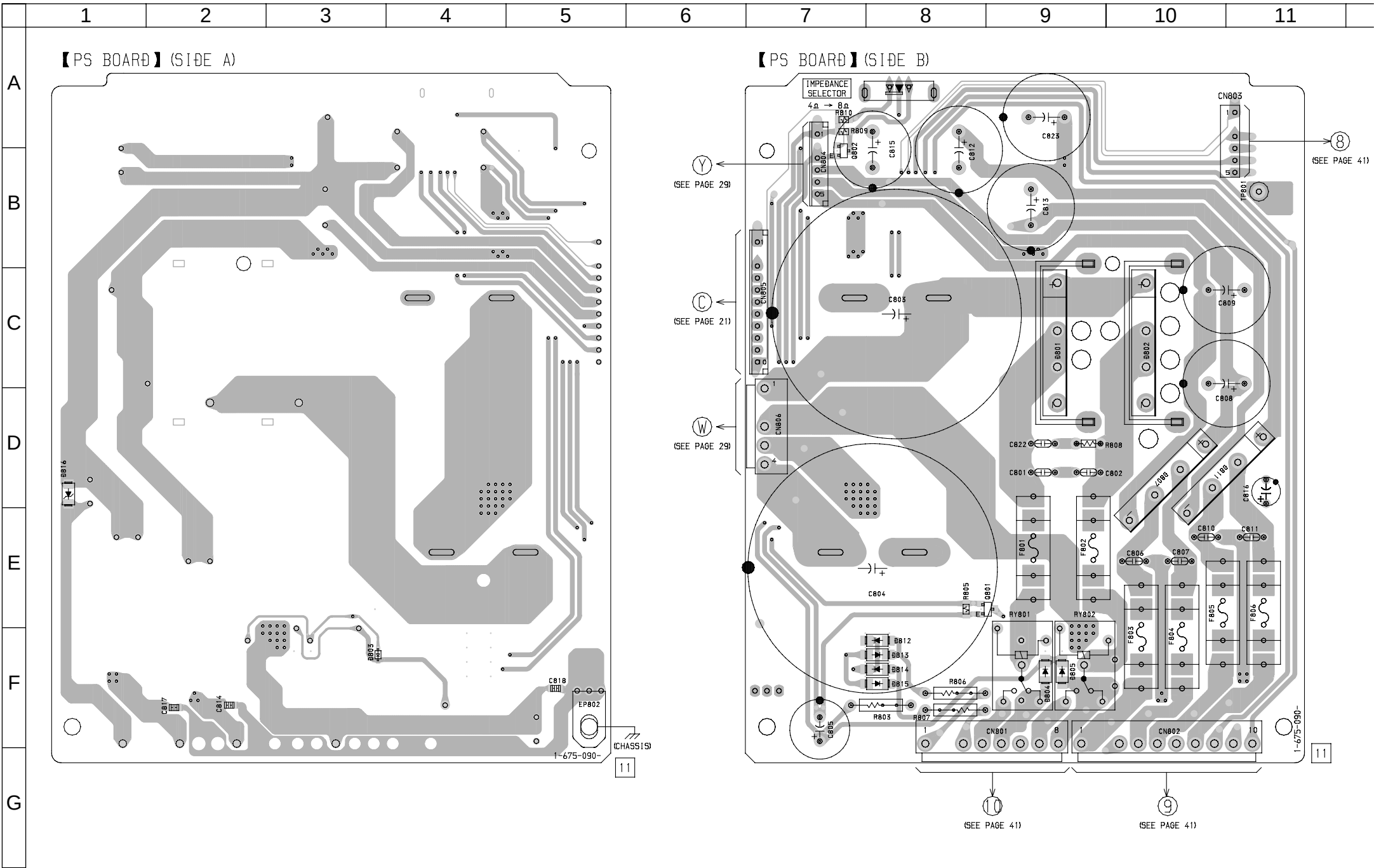
MY, SP, AUS, CH MODEL

R4502 R4402 R4452 R4503 R4403 R4453 R4504 R4404 R4454 R4505 R4405 R4455 R4506 R4406 R4456 R4507 R4407 R4457 R4508 R4408 R4458 R4509 R4409 R4459 R4510 R4410 R4460 R4511 R4411 R4461 R4512 R4412 R4462 R4513 R4413 R4463 R4514 R4414 R4464 R4515 R4415 R4465 R4516 R4416 R4466 R4517 R4417 R4467 R4518 R4418 R4468 R4519 R4419 R4469 R4520 R4420 R4470 R4521 R4421 R4471 R4522 R4422 R4472 R4523 R4423 R4473 R4524 R4424 R4474 R4525 R4425 R4475 R4526 R4426 R4476 R4527 R4427 R4477 R4528 R4428 R4478 R4529 R4429 R4479 R4530 R4430 R4480 R4531 R4431 R4481 R4532 R4432 R4482 R4533 R4433 R4483 R4534 R4434 R4484 R4535 R4435 R4485 R4536 R4436 R4486 R4537 R4437 R4487 R4538 R4438 R4488 R4539 R4439 R4489 R4540 R4440 R4490 R4541 R4441 R4491 R4542 R4442 R4492 R4543 R4443 R4493 R4544 R4444 R4494 R4545 R4445 R4495 R4546 R4446 R4496 R4547 R4447 R4497 R4548 R4448 R4498 R4549 R4449 R4499 R4550 R4450 R4500 R4551 R4451 R4501 R4552 R4452 R4502 R4553 R4453 R4503 R4554 R4454 R4504 R4555 R4455 R4505 R4556 R4456 R4506 R4557 R4457 R4507 R4558 R4458 R4508 R4559 R4459 R4509 R4560 R4460 R4510 R4561 R4461 R4511 R4562 R4462 R4512 R4563 R4463 R4513 R4564 R4464 R4514 R4565 R4465 R4515 R4566 R4466 R4516 R4567 R4467 R4517 R4568 R4468 R4518 R4569 R4469 R4519 R4570 R4470 R4520 R4571 R4471 R4521 R4572 R4472 R4522 R4573 R4473 R4523 R4574 R4474 R4524 R4575 R4475 R4525 R4576 R4476 R4526 R4577 R4477 R4527 R4578 R4478 R4528 R4579 R4479 R4529 R4580 R4480 R4530 R4581 R4481 R4531 R4582 R4482 R4532 R4583 R4483 R4533 R4584 R4484 R4534 R4585 R4485 R4535 R4586 R4486 R4536 R4587 R4487 R4537 R4588 R4488 R4538 R4589 R4489 R4539 R4590 R4490 R4540 R4591 R4491 R4541 R4592 R4492 R4542 R4593 R4493 R4543 R4594 R4494 R4544 R4595 R4495 R4545 R4596 R4496 R4546 R4597 R4497 R4547 R4598 R4498 R4548 R4599 R4499 R4549 R4600 R4500 R4550 R4601 R4501 R4551 R4602 R4502 R4552 R4603 R4503 R4553 R4604 R4504 R4554 R4605 R4505 R4555 R4606 R4506 R4556 R4607 R4507 R4557 R4608 R4508 R4558 R4609 R4509 R4559 R4610 R4510 R4560 R4611 R4511 R4561 R4612 R4512 R4562 R4613 R4513 R4563 R4614 R4514 R4564 R4615 R4515 R4565 R4616 R4516 R4566 R4617 R4517 R4567 R4618 R4518 R4568 R4619 R4519 R4569 R4620 R4520 R4570 R4621 R4521 R4571 R4622 R4522 R4572 R4623 R4523 R4573 R4624 R4524 R4574 R4625 R4525 R4575 R4626 R4526 R4576 R4627 R4527 R4577 R4628 R4528 R4578 R4629 R4529 R4579 R4630 R4530 R4580 R4631 R4531 R4581 R4632 R4532 R4582 R4633 R4533 R4583 R4634 R4534 R4584 R4635 R4535 R4585 R4636 R4536 R4586 R4637 R4537 R4587 R4638 R4538 R4588 R4639 R4539 R4589 R4640 R4540 R4590 R4641 R4541 R4591 R4642 R4542 R4592 R4643 R4543 R4593 R4644 R4544 R4594 R4645 R4545 R4595 R4646 R4546 R4596 R4647 R4547 R4597 R4648 R4548 R4598 R4649 R4549 R4599 R4650 R4550 R4600 R4651 R4551 R4601 R4652 R4552 R4602 R4653 R4553 R4603 R4654 R4554 R4604 R4655 R4555 R4605 R4656 R4556 R4606 R4657 R4557 R4607 R4658 R4558 R4608 R4659 R4559 R4609 R4660 R4560 R4610 R4661 R4561 R4611 R4662 R4562 R4612 R4663 R4563 R4613 R4664 R4564 R4614 R4665 R4565 R4615 R4666 R4566 R4616 R4667 R4567 R4617 R4668 R4568 R4618 R4669 R4569 R4619 R4670 R4570 R4620 R4671 R4571 R4621 R4672 R4572 R4622 R4673 R4573 R4623 R4674 R4574 R4624 R4675 R4575 R4625 R4676 R4576 R4626 R

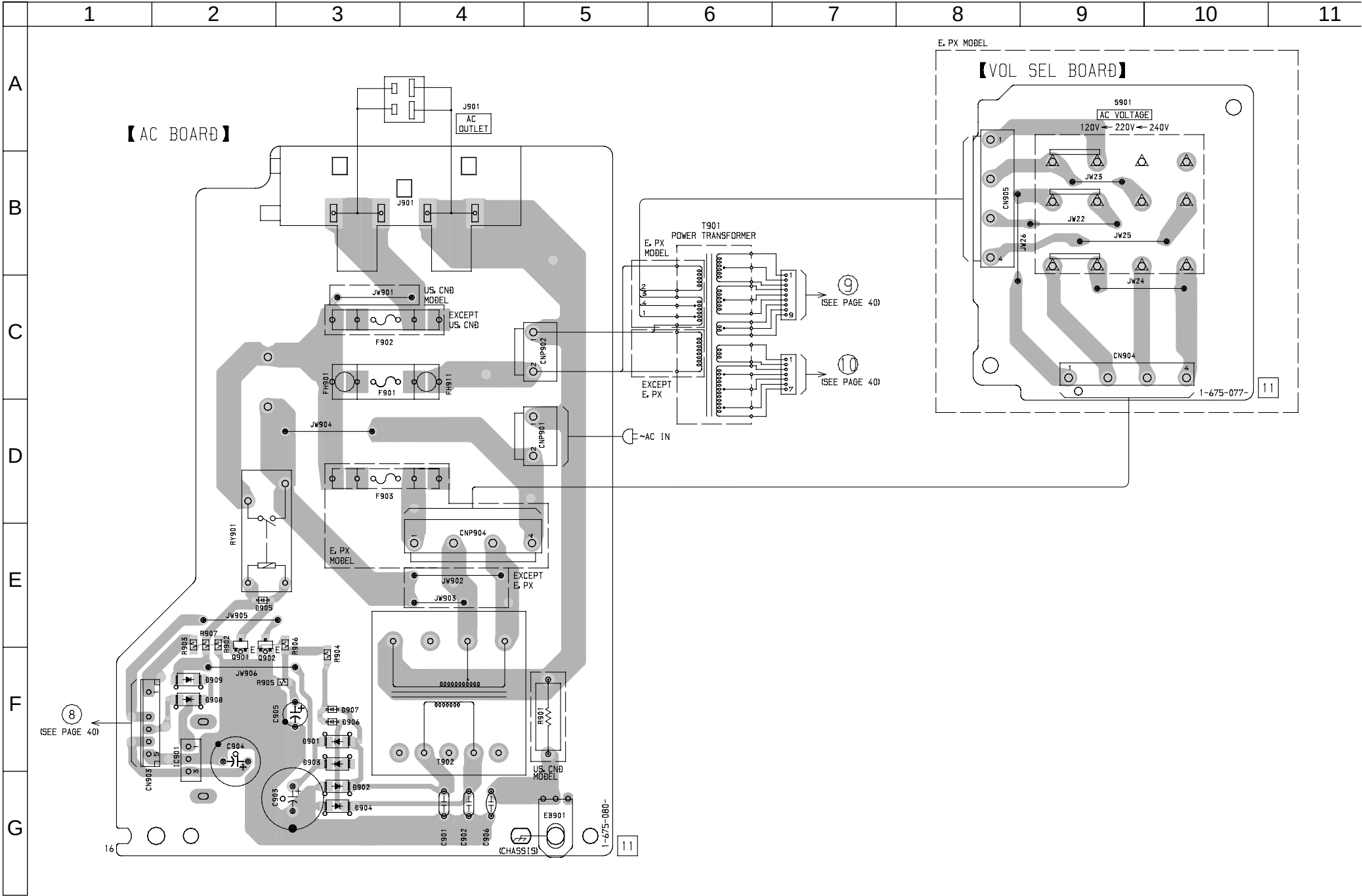
3-34. SCHEMATIC DIAGRAM SPEAKER TERMINAL SECTION



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



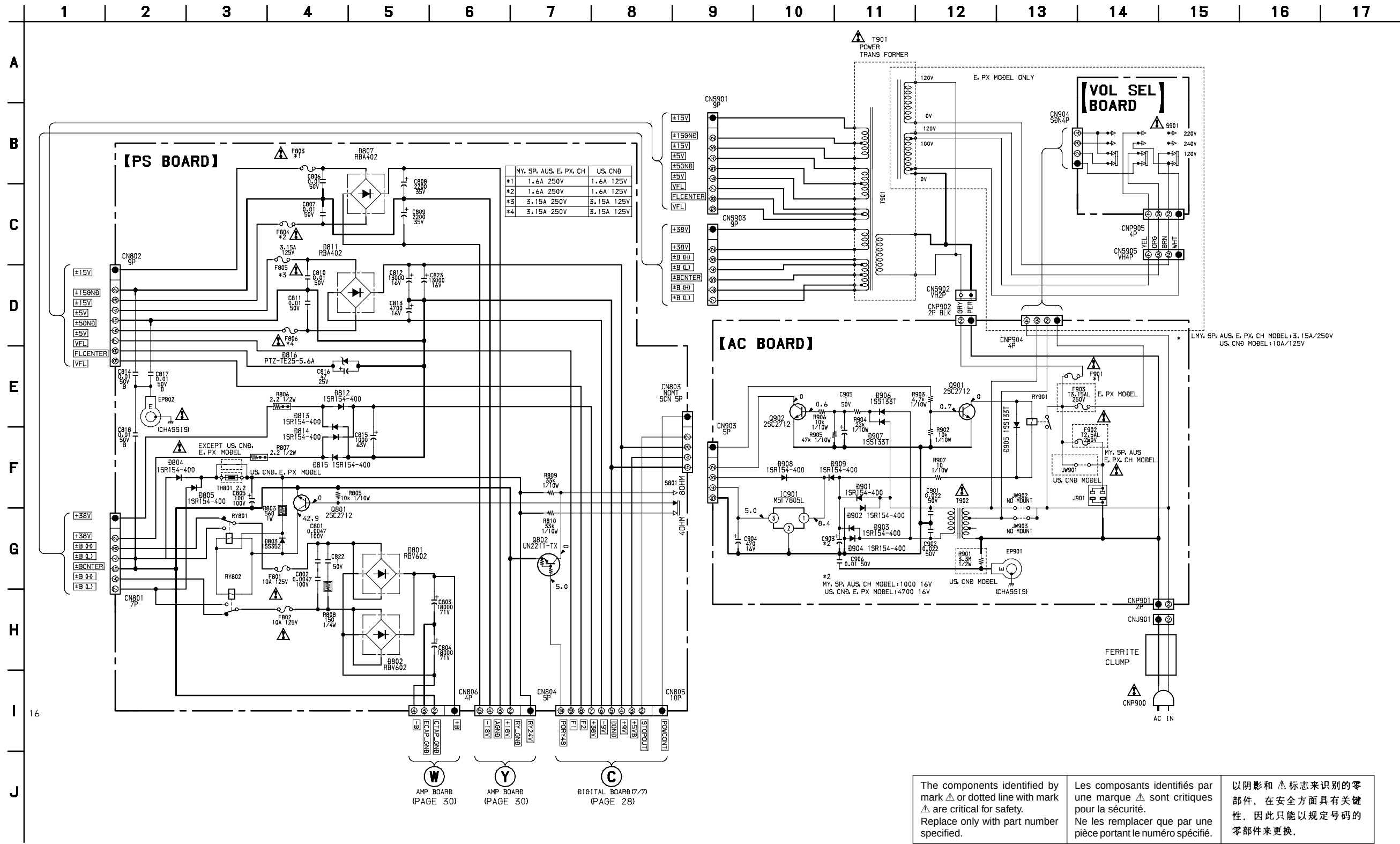
3-36. PRINTED WIRING BOARD AC POWER SUPPLY SECTION • See page 7 for Circuit Boards Location.



• Semiconductor Location

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

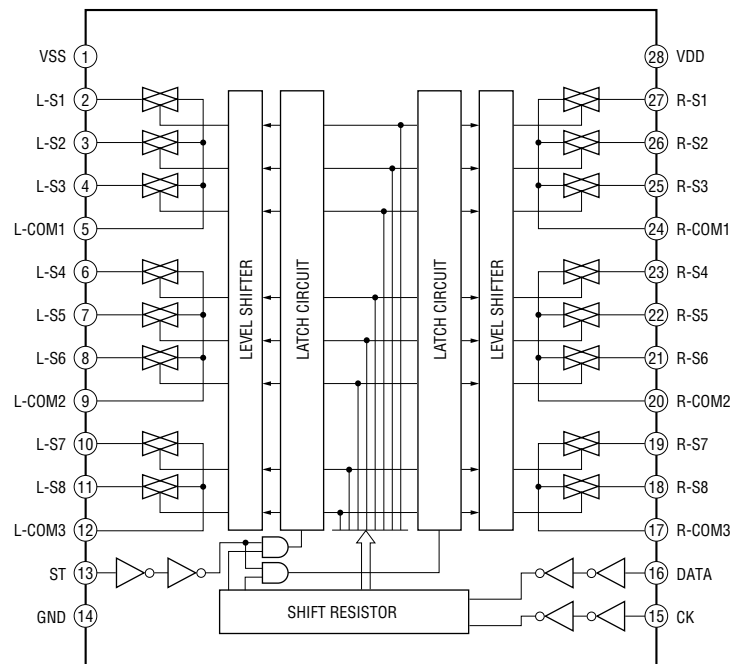
3-37. SCHEMATIC DIAGRAM POWER SUPPLY SECTION • See page 40,41 for Printed Wiring Boards.



3-38. IC BLOCK DIAGRAMS

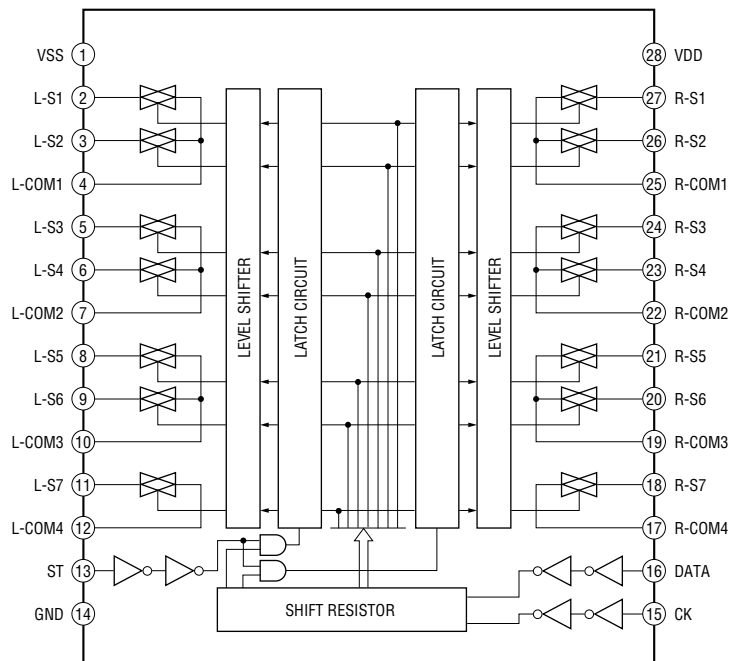
IC1101 TC9163F (AUDIO A board)

IC2306 TC9163F (E VOL board)

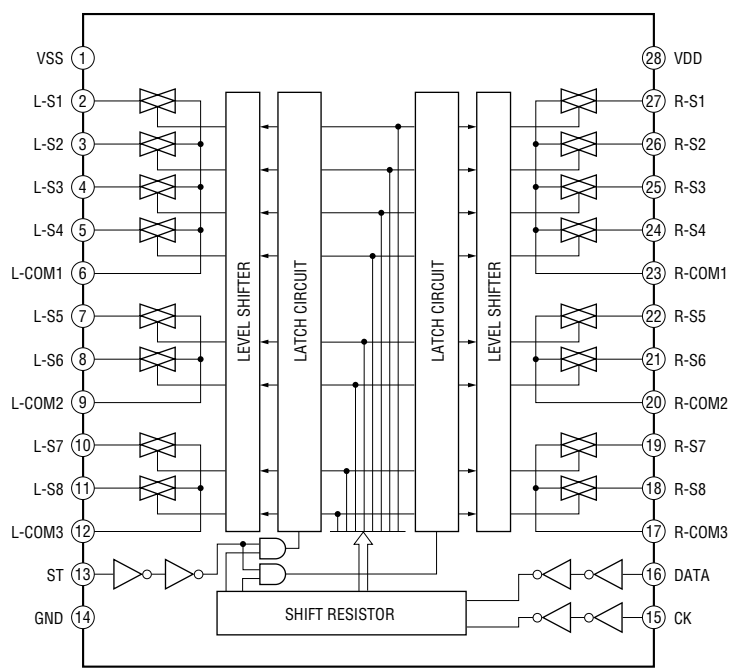


IC1102 TC9162AF (AUDIO A board)

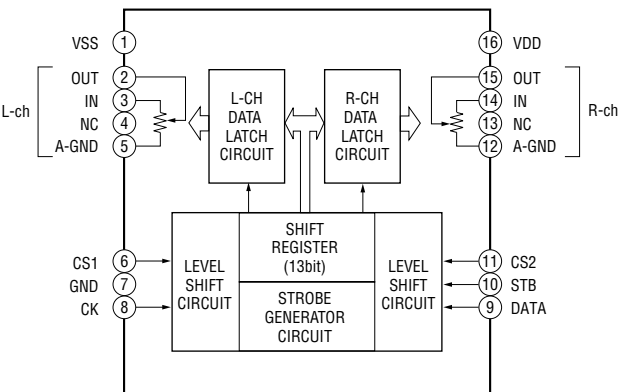
IC2305 TC9162AN (E VOL board)



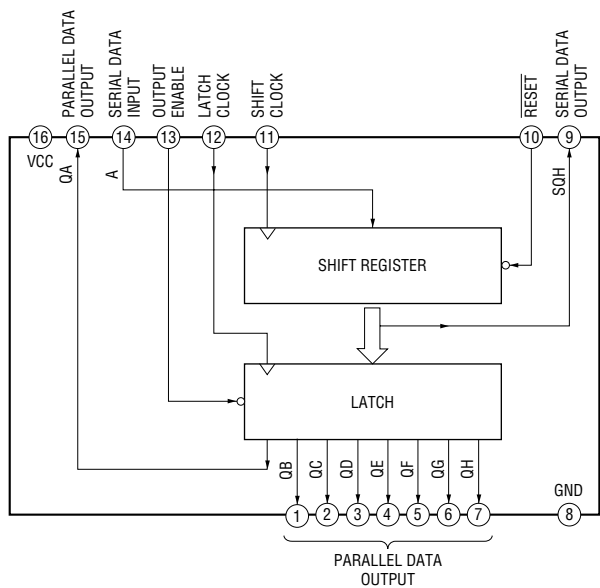
IC1201 TC9164AN (AUDIO V board)



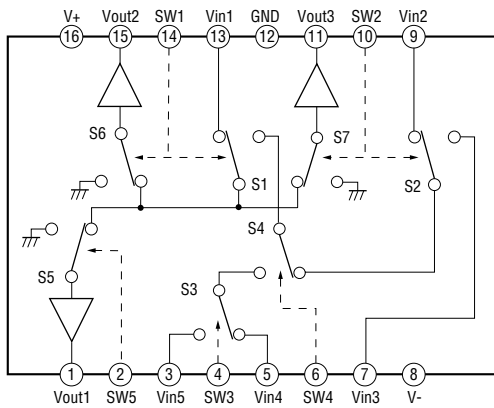
IC2401, 2501 TC9299P (E VOL board)



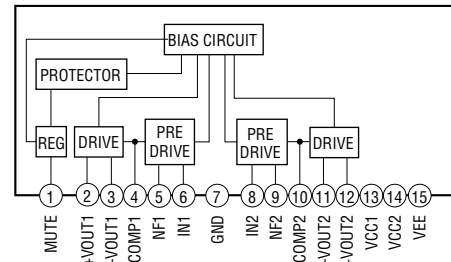
IC2307, 2308 MC74HC595A (E VOL board)
IC5203 74HC595 (S VIDEO board)
IC317 TC74HC595A (DIGITAL board)



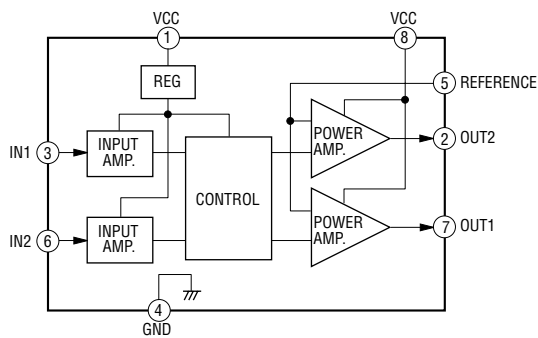
IC5201, 5202 NJM2296 (S VIDEO board)
IC5101 NJM2296 (C VIDEO board)



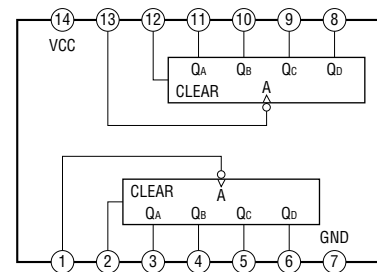
IC4101, 4201, μ PC2581v (AMP board)



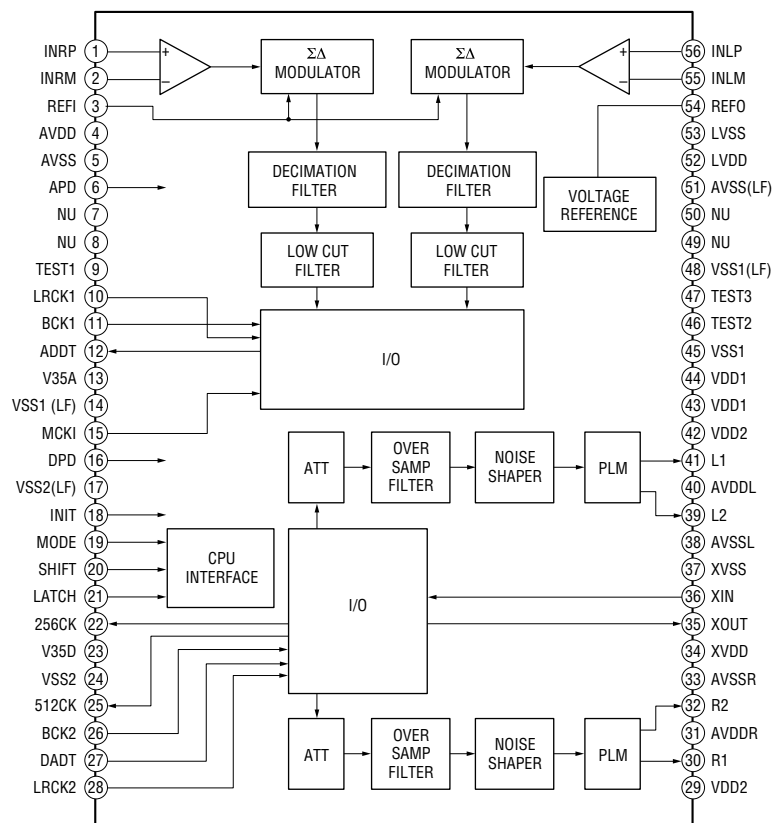
IC101 M54641L (DISPLAY board)



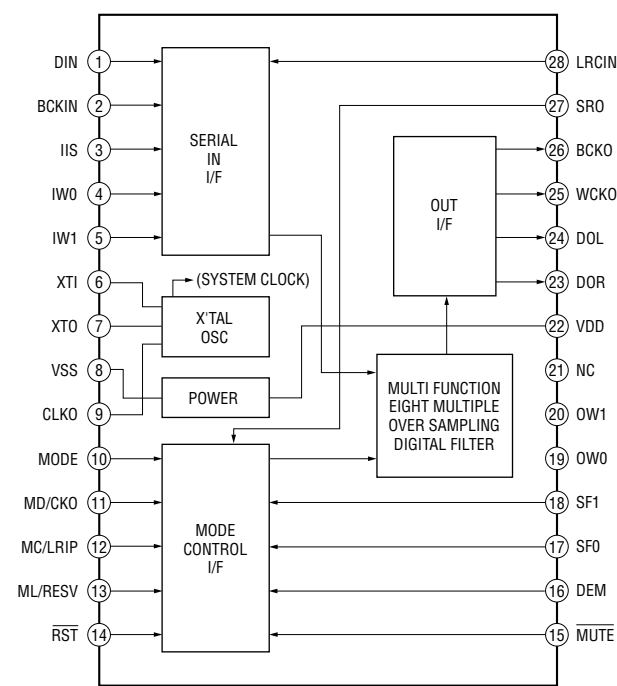
IC336, 362 TC74HC393A (DIGITAL board)



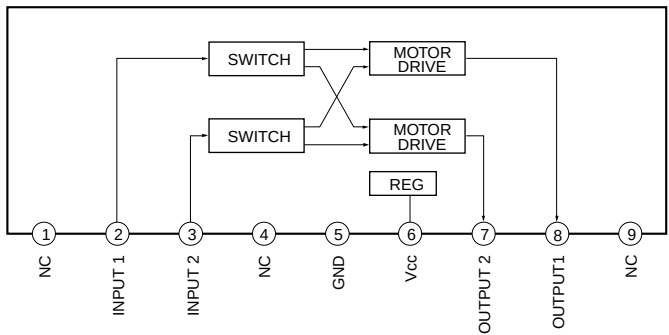
IC307 CXD8607N (DIGITAL board)



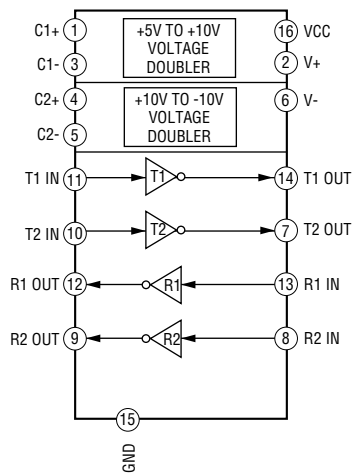
IC338, 339, 340 DF1704E (DIGITAL board)



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 μ 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” $\rightarrow$ “H” : latch)
12	GND	—	Ground
13	P97/WAIT	I	Ready
14	P96/MCK	I	(NC)
15	P95/AS	O	Latch No.6 (“L” $\rightarrow$ “H” : latch)
16	P94/WR	O	WR
17	P93/RD	O	RD
18	P92/IRQ0	O	Latch No.5 (“L” $\rightarrow$ “H” : latch)
19	P91/IRQ1	O	Latch No.4 (“L” $\rightarrow$ “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” $\rightarrow$ “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.

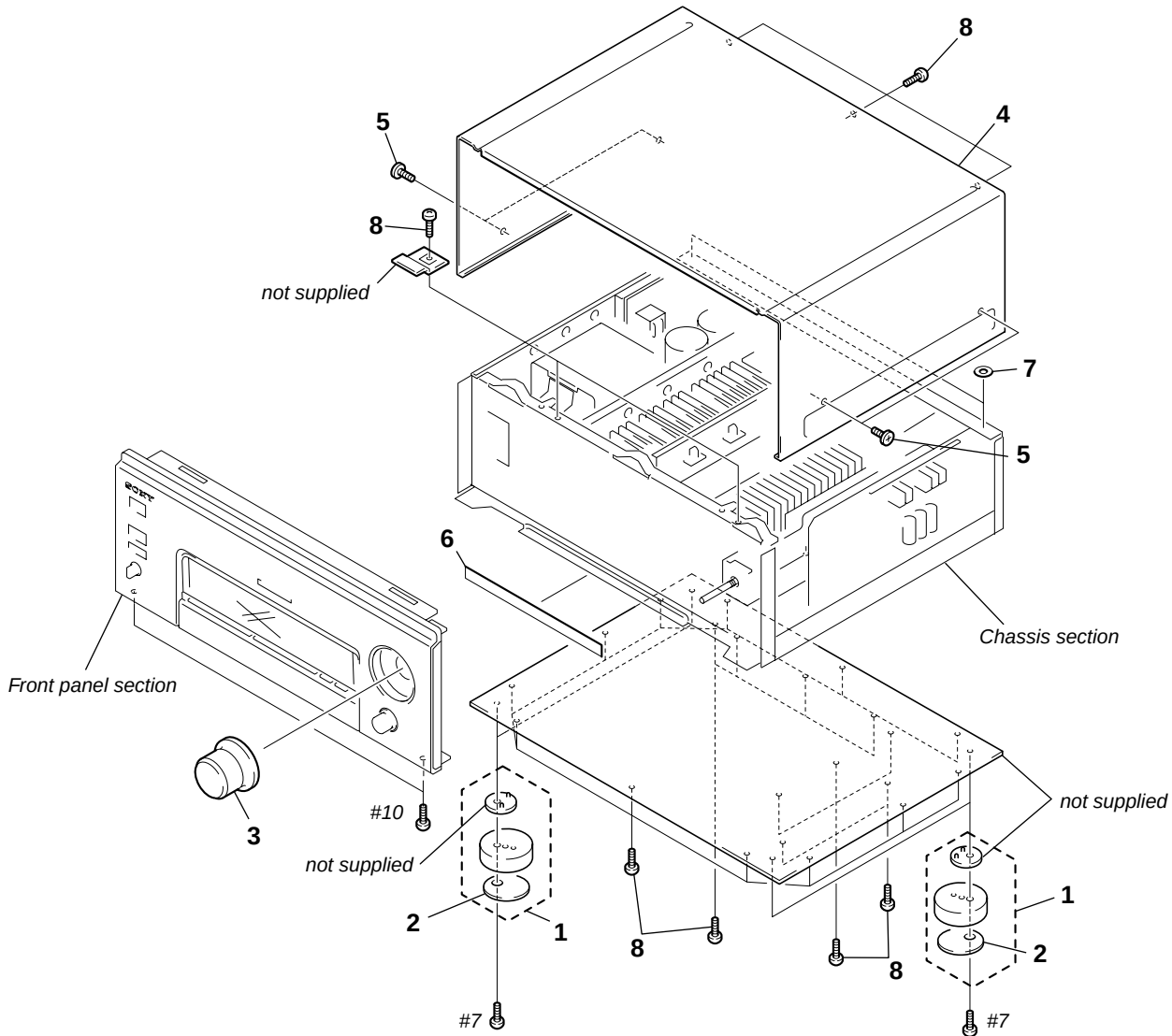
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
CND : Canadian model
AUS : Australian model
MY : Malaysia model
SP : Singapore model
CH : Chinese model

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

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

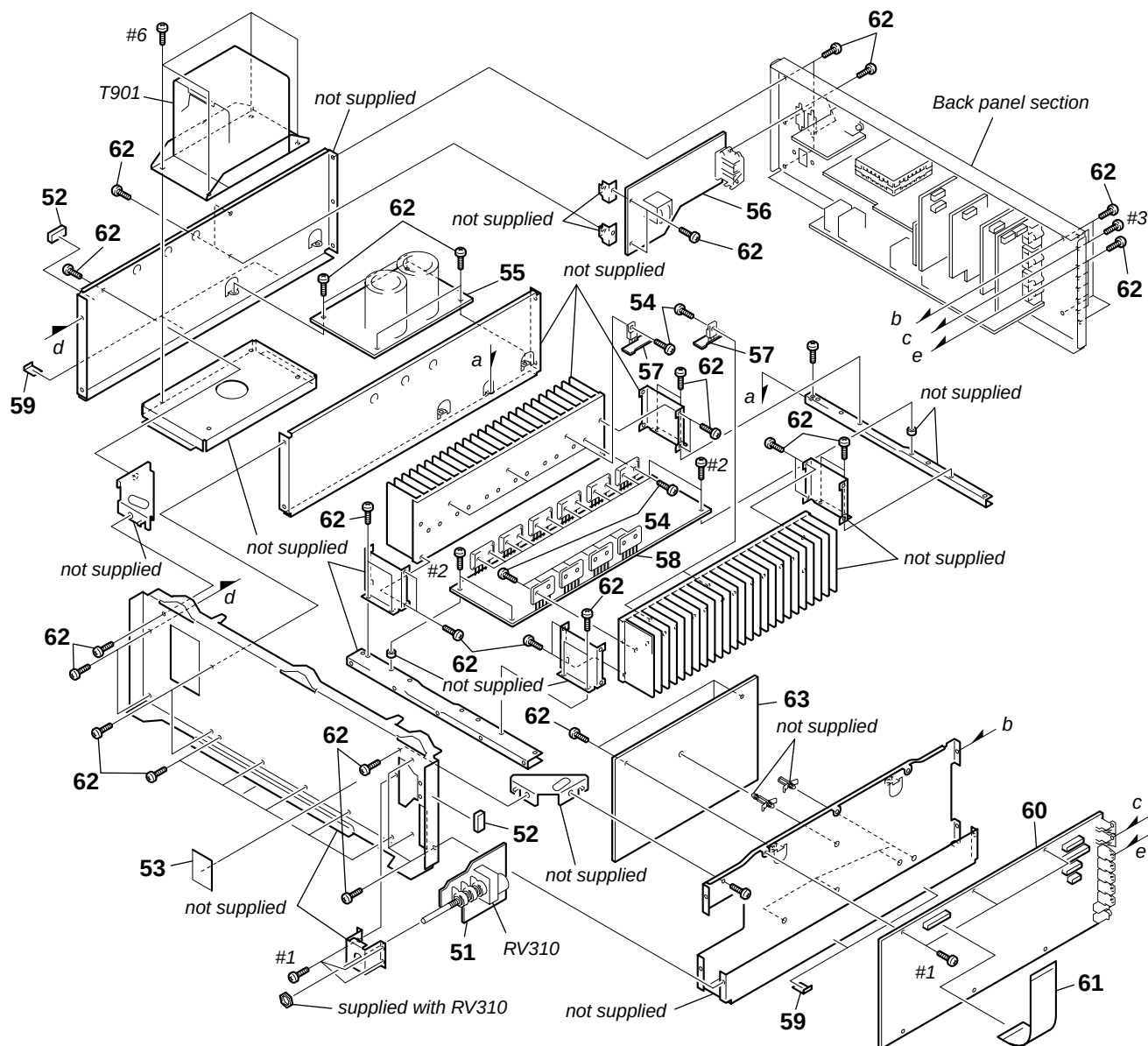
以阴影和 Δ 标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

4-1. CASE SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	X-4949-759-1	FOOT ASSY		5	4-227-843-01	SCREW(TP), FLAT HEAD(US,CND,E,PX)	
2	4-970-124-01	CUSHION (F50180S)		5	4-227-843-11	SCREW(TP), FLAT HEAD(MY,SP,AUS,CH)	
3	X-4951-896-1	KNOB(VOL) ASSY(US,CND,E,PX)		6	4-972-439-11	SPACER (SCREW HEAD)	
3	X-4951-908-1	KNOB(VOL) ASSY(MY,SP,AUS,CH)		7	4-971-099-01	WASHER (P)	
4	4-222-052-01	CASE(US,CND,E,PX)		8	4-974-510-01	SCREW(+BV 3X8 CU)	
4	4-222-052-11	CASE(MY,SP,AUS,CH)					

4-2. CHASSIS SECTION



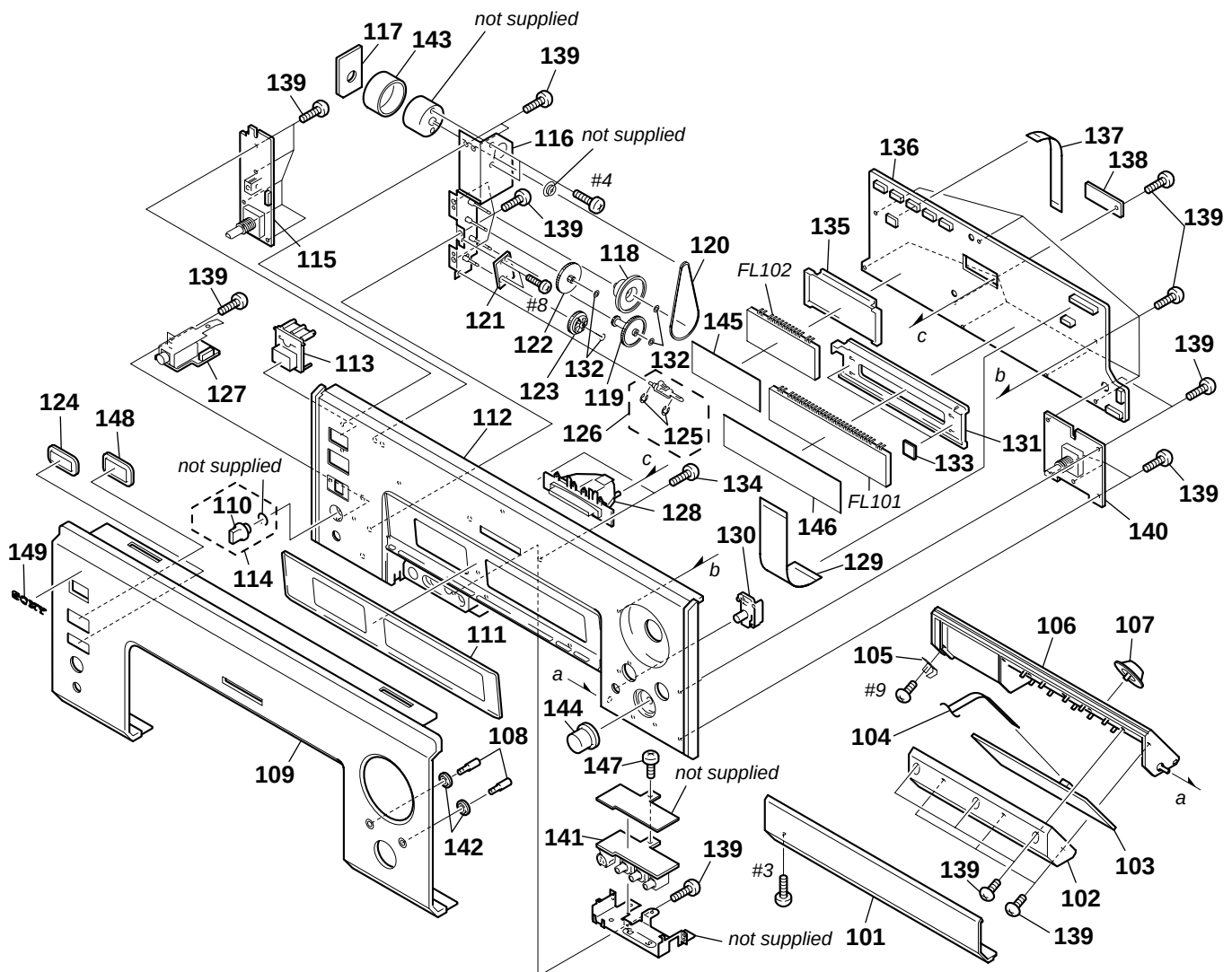
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	1-675-081-11	VOLUME BOARD		58	A-4426-447-A	AMP BOARD, COMPLETE(MY,SP,AUS,CH)	
52	3-313-227-01	SPACER, CUSHION		59	4-227-879-01	SPACER (BTM)	
53	4-225-421-01	SHEET (SC)		60	A-4426-434-A	DIGITAL BOARD, COMPLETE(US,CND)	
54	3-905-609-21	SCREW (TRANSISTOR)		60	A-4426-435-A	DIGITAL BOARD, COMPLETE(E,PX)	
55	A-4426-477-A	PS BOARD, COMPLETE(US,CND,E,PX)		60	A-4426-436-A	DIGITAL BOARD, COMPLETE(MY,SP,AUS)	
55	A-4426-479-A	PS BOARD, COMPLETE(MY,SP,AUS,CH)		60	A-4426-994-A	DIGITAL BOARD, COMPLETE(CH)	
56	A-4426-460-A	AC BOARD, COMPLETE(US,CND)		61	1-773-279-11	WIRE (FLAT TYPE) (29 CORE)	
56	A-4426-461-A	AC BOARD, COMPLETE(E,PX)		62	4-974-510-01	SCREW (+BV 3X8 CU)	
56	A-4426-462-A	AC BOARD, COMPLETE(MY,SP,AUS)		63	A-4426-459-A	E VOL BOARD, COMPLETE	
56	A-4426-463-A	AC BOARD, COMPLETE(CH)		△ T901	1-435-094-11	TRANSFORMER, POWER(US)	
57	1-675-085-11	BIAS BOARD		△ T901	1-435-095-11	TRANSFORMER, POWER(E,PX)	
58	A-4426-446-A	AMP BOARD, COMPLETE(US,CND,E,PX)		△ T901	1-435-096-11	TRANSFORMER, POWER(MY,SP,AUS,CH)	
				△ T901	1-435-251-11	TRANSFORMER, POWER(CND)	

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

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

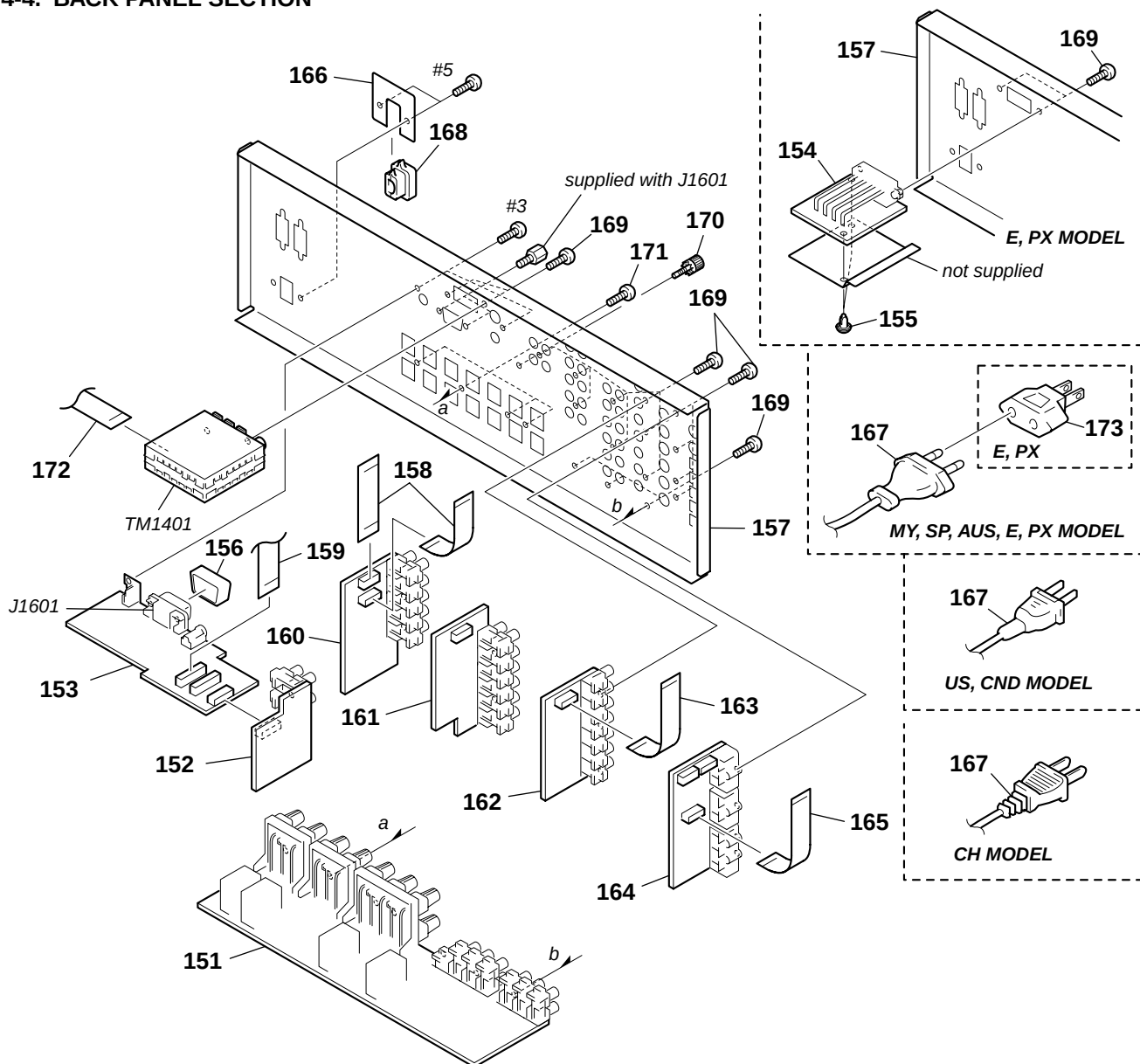
以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

4-3. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
101	4-222-034-01	LID(AL)(US,CND,E,PX)		123	4-222-071-01	GEAR(C)	
101	4-222-034-11	LID(AL)(MY,SP,AUS)		124	4-222-040-01	WINDOW, RAY CATCHER(US,CND,E,PX)	
101	4-222-034-21	LID(AL)(CH)		124	4-222-040-11	WINDOW, RAY CATCHER(MY,SP,AUS,CH)	
102	4-222-044-01	LID(BASE)(US,CND,E,PX)		125	7-624-106-04	STOP RING 3.0, TYPE -E	
102	4-222-044-11	LID(BASE)(MY,SP,AUS,CH)		126	X-4951-895-1	GEAR(LID) ASSY	
103	1-675-097-11	JOG BOARD		127	1-675-093-11	HP BOARD	
104	1-791-939-11	CABLE, FLEXIBLE FLAT (5P)		128	X-3375-588-1	ESCUTCHEON (WIN) ASSY(US,CND,E,PX)	
105	4-222-065-01	BRACKET (LID)		128	X-4950-348-1	ESCUTCHEON (WIN.) ASSY(MY,SP,AUS,CH)	
106	X-4951-897-1	LID(MD) ASSY(US,CND,E,PX)		129	1-791-938-11	CABLE, FLEXIBLE FLAT (31P)	
106	X-4951-909-1	LID(MD) ASSY(MY,SP,AUS,CH)		130	4-222-038-01	BUTTON (O/C)(US,CND,E,PX)	
107	4-222-048-01	KNOB(JOG)(US,CND,E,PX)		130	4-222-038-11	BUTTON (O/C)(MY,SP,AUS,CH)	
107	4-222-048-11	KNOB(JOG)(MY,SP,AUS,CH)		* 131	4-990-797-01	HOLDER (FL)	
108	4-211-455-01	BUTTON (LED)		132	4-926-218-01	RING(DIA.2), RETAINING	
109	4-222-033-01	PANEL, FRONT(US,CND)		* 133	4-921-941-01	CUSHION (FL)	
109	4-222-033-11	PANEL, FRONT(E,PX)		134	4-933-134-01	SCREW (+PTPWH M2.6X6)	
109	4-222-033-21	PANEL, FRONT(MY,SP,AUS)		135	4-222-051-01	HOLDER (FL/L)	
109	4-222-033-31	PANEL, FRONT(CH)		136	A-4426-440-A	DISPLAY BOARD, COMPLETE	
110	4-908-097-21	KNOB(US,CND,E,PX)		137	1-765-314-11	WIRE(FLAT TYPE) (7 CORE)	
110	4-908-097-71	KNOB(MY,SP,AUS,CH)		138	1-675-065-11	BLUE LED BOARD	
111	4-222-151-01	WINDOW(US,CND,E,PX)		139	4-951-620-01	SCREW (2.6X8), +BVTP	
111	4-222-151-11	WINDOW(MY,SP,AUS,CH)		140	1-675-066-11	FUNCTION SW BOARD	
112	X-4952-332-1	BASE ASSY, PANEL(US,CND,E,PX)		141	1-675-095-11	VIDEO 3 BOARD	
112	X-4952-333-1	BASE ASSY, PANEL(MY,SP,AUS,CH)		142	4-222-041-01	ESCUTCHEON(US,CND,E,PX)	
113	4-998-737-01	BUTTON (POWER)(MY,SP,AUS,CH)		142	4-222-041-11	ESCUTCHEON(MY,SP,AUS,CH)	
113	4-998-737-11	BUTTON (POWER)(US,CND,E,PX)		143	4-218-604-01	DAMPER (MOTOR)	
114	X-4943-846-1	KNOB ASSY (B)(US,CND,E,PX)		144	X-4951-912-1	KNOB(BAL) ASSY(US,CND,E,PX)	
114	X-4952-010-1	KNOB(N) ASSY(MY,SP,AUS,CH)		144	X-4951-913-1	KNOB(BAL) ASSY(MY,SP,AUS,CH)	
115	1-675-082-11	SP SEL BOARD		145	4-220-324-01	FILTER (FL)(MY,SP,AUS,CH)	
116	X-4951-893-1	BRACKET (GEAR) ASSY		146	4-222-042-01	FILTER(MY,SP,AUS,CH)	
117	1-675-091-11	MOTOR BOARD		147	4-974-510-01	SCREW (+BV 3X8 CU)	
118	4-222-068-01	PULLEY (GEAR)		148	4-222-039-01	WINDOW, TRANSMITTER	
119	4-222-070-01	GEAR(B)		149	4-942-568-41	EMBLEM (NO.5), SONY(US,CND,E,PX)	
120	4-222-150-01	BELT		FL101	1-517-781-21	INDICATOR TUBE, FLUORESCENT	
121	1-675-092-11	GEAR BOARD		FL102	1-517-905-11	INDICATOR TUBE, FLUORESCENT	
122	4-222-069-01	GEAR(A)					

4-4. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
151	A-4426-469-A	SP TM BOARD, COMPLETE(US,CND,E,PX)		162	A-4426-454-A	C VIDEO BOARD, COMPLETE	
151	A-4426-470-A	SP TM BOARD, COMPLETE(MY,SP,AUS,CH)		163	1-769-937-11	WIRE (FLAT TYPE) (11 CORE)	
152	1-676-564-11	PHONO BOARD		164	A-4426-496-A	S VIDEO BOARD, COMPLETE	
153	A-4426-488-A	CTRL-A1 BOARD, COMPLETE		165	1-792-216-11	WIRE (FLAT TYPE) (10 CORE)	
154	1-675-077-11	VOL SEL BOARD(E,PX)		* 166	4-923-873-01	BRACKET, CORD STOPPER	
155	3-531-576-11	RIVET(E,PX)					
156	3-179-022-31	COVER, DUSTER		△ 167	1-559-479-11	CORD, POWER(US,CND)	
157	4-222-054-01	PANEL, BACK(US)		△ 167	1-776-095-11	CORD, POWER(MY,SP,AUS,E,PX)	
157	4-222-054-11	PANEL, BACK(CND)		△ 167	1-782-464-21	CORD, POWER(CH)	
157	4-222-054-21	PANEL, BACK(E,PX)		168	3-703-244-00	BUSHING (2104), CORD(MY,SP,AUS,E,PX,CH)	
157	4-222-054-31	PANEL, BACK(MY,SP,AUS)		168	4-916-783-01	BUSHING, CORD(US,CND)	
157	4-222-054-41	PANEL, BACK(CH)		169	4-974-510-01	SCREW (+BV 3X8 CU)	
158	1-769-969-11	WIRE (FLAT TYPE) (13 CORE)		170	4-947-010-01	SCREW, FEEDER FIXED	
159	1-792-174-11	CABLE, FLEXIBLE FLAT (15P)		171	3-704-515-11	SCREW (BV/RING)	
160	A-4426-449-A	AUDIO A BOARD, COMPLETE(US,CND,E,PX)		172	1-773-002-11	WIRE (FLAT TYPE) (15 CORE)	
160	A-4426-450-A	AUDIO A BOARD, COMPLETE(MY,SP,AUS,CH)		△ 173	1-569-008-21	ADAPTOR, CONVERSION 2P(E,PX)	
161	A-4426-452-A	AUDIO V BOARD, COMPLETE(US,CND,E,PX)		TM1401	1-693-407-23	TUNER(US,CND,E,PX)	
161	A-4426-453-A	AUDIO V BOARD, COMPLETE(MY,SP,AUS,CH)		TM1401	1-693-409-23	TUNER(MY,SP,AUS,CH)	

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

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

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

SECTION 5 ELECTRICAL PARTS LIST

AC

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: μ F
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- COILS
uH: μ H
- Abbreviation
CND : Canadian model
AUS : Australian model
MY : Malaysia model
SP : Singapore model
CH : Chinese model

- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...

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

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

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

以阴影和 Δ 标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	A-4426-460-A	AC BOARD, COMPLETE(US,CND) *****				< TERMINAL >	
	A-4426-461-A	AC BOARD, COMPLETE(E,PX) *****		EB901	1-537-770-21	TERMINAL BOARD, GROUND	
	A-4426-462-A	AC BOARD, COMPLETE(MY,SP,AUS) *****				< FUSE >	
	A-4426-463-A	AC BOARD, COMPLETE(CH) *****		Δ F901	1-532-465-51	FUSE, TIME LAG 3.15A,250V (MY,SP,AUS,E,PX,CH)	
				Δ F901	1-533-312-11	FUSE, GLASS CYLINDRICAL(DIA.5)10A 125V (US,CND)	
				Δ F902	1-532-464-51	FUSE 2.5A 250V(MY,SP,AUS,E,PX,CH)	
				Δ F903	1-532-465-51	FUSE, TIME LAG 3.15A,250V(E,PX)	
	1-533-293-11	FUSE HOLDER				< IC >	
		< CAPACITOR >		IC901	8-759-231-53	IC TA7805S	
C901	1-110-211-91	MYLAR 0.022uF 5% 50V				< JACK >	
C902	1-110-211-91	MYLAR 0.022uF 5% 50V					
C903	1-127-721-11	ELECT 1000uF 20% 16V (MY,SP,AUS,CH)		Δ J901	1-251-079-11	OUTLET, AC(AC OUTLET)(MY,SP,AUS)	
C903	1-127-723-51	ELECT MELF 4700uF 20% 16V (US,CND,E,PX)		Δ J901	1-251-718-11	OUTLET (2 GANG), AC(AC OUTLET) (US,CND,E,PX,CH)	
C904	1-127-720-91	ELECT MELF 470uF 20% 16V				< TRANSISTOR >	
C905	1-119-820-11	ELECT 1uF 20% 50V		Q901	8-729-230-49	TRANSISTOR 2SC2712-YG	
C906	1-137-370-11	MYLAR 0.01uF 5% 50V		Q902	8-729-230-49	TRANSISTOR 2SC2712-YG	
		< CONNECTOR >				< RESISTOR >	
CN903	1-691-767-11	PLUG (MICRO CONNECTOR) 5P		R901	1-202-725-00	SOLID 3.3M 10% 1/2W (US,CND)	
		< CONNECTOR >		R902	1-208-462-41	RES-CHIP 10K 2% 1/10W	
CNP901	1-564-321-00	PIN, CONNECTOR 2P		R903	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
* CNP902	1-564-321-21	PIN, CONNECTOR 2P		R904	1-208-518-41	RES-CHIP 22K 2% 1/10W	
CNP904	1-568-106-11	PIN, CONNECTOR 4P(E,PX)		R905	1-208-526-41	RES-CHIP 47K 2% 1/10W	
		< DIODE >		R906	1-208-462-41	RES-CHIP 10K 2% 1/10W	
D901	8-719-053-18	DIODE 1SR154-400TE-25		R907	1-216-603-11	METAL CHIP 10 0.5% 1/10W	
D902	8-719-053-18	DIODE 1SR154-400TE-25				< RELAY >	
D903	8-719-053-18	DIODE 1SR154-400TE-25		RY901	1-515-999-11	RELAY, POWER(US,CND,E,PX)	
D904	8-719-053-18	DIODE 1SR154-400TE-25		RY901	1-755-298-11	RELAY (MY,SP,AUS,CH)	
D905	8-719-016-74	DIODE 1SS352				< TRANSFORMER >	
D906	8-719-016-74	DIODE 1SS352					
D907	8-719-016-74	DIODE 1SS352		Δ T902	1-435-162-11	TRANSFORMER, POWER(US,CND)	
D908	8-719-053-18	DIODE 1SR154-400TE-25		Δ T902	1-435-163-11	TRANSFORMER, POWER(MY,SP,AUS,CH)	
D909	8-719-053-18	DIODE 1SR154-400TE-25		Δ T902	1-435-164-11	TRANSFORMER, POWER(E,PX)	

Ref. No.	Part No.	Description	Remarks
	A-4426-446-A	AMP BOARD, COMPLETE(US,CND,E,PX) *****	
	A-4426-447-A	AMP BOARD, COMPLETE(MY,SP,AUS,CH) *****	
	7-685-872-09	SCREW +BVT 3X8 (S) < CAPACITOR >	
C4001	1-119-792-21	ELECT 470uF 20% 10V	
C4002	1-128-858-11	ELECT 22uF 20% 50V	
C4003	1-127-726-51	ELECT MELF 470uF 20% 25V	
C4004	1-127-726-51	ELECT MELF 470uF 20% 25V	
C4005	1-119-816-31	ELECT 0.1uF 20% 50V	
C4006	1-119-816-31	ELECT 0.1uF 20% 50V	
C4101	1-119-823-11	ELECT 4.7uF 20% 50V	
C4102	1-119-830-11	ELECT 330uF 20% 25V	
C4103	1-102-233-00	CERAMIC 33PF 10% 500V	
C4104	1-102-934-00	CERAMIC 1.0PF 0.25PF 50V	
C4105	1-102-106-00	CERAMIC 100PF 10% 50V	
C4106	1-164-039-11	CERAMIC 3PF 0.25PF 50V	
C4108	1-164-077-11	CERAMIC 220PF 10% 50V	
C4112	1-137-372-11	MYLAR 0.022uF 5% 50V	
C4113	1-137-360-11	MYLAR 220PF 5% 50V	
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	
C4156	1-164-039-11	CERAMIC 3PF 0.25PF 50V	
C4158	1-164-077-11	CERAMIC 220PF 10% 50V	
C4162	1-137-372-11	MYLAR 0.022uF 5% 50V	
C4163	1-137-360-11	MYLAR 220PF 5% 50V	
C4198	1-119-854-11	ELECT 100uF 20% 100V	
C4199	1-119-854-11	ELECT 100uF 20% 100V	
C4201	1-119-823-11	ELECT 4.7uF 20% 50V	
C4202	1-119-830-11	ELECT 330uF 20% 25V	
C4203	1-102-233-00	CERAMIC 33PF 10% 500V	
C4204	1-102-934-00	CERAMIC 1.0PF 0.25PF 50V	
C4205	1-102-106-00	CERAMIC 100PF 10% 50V	
C4206	1-164-039-11	CERAMIC 3PF 0.25PF 50V	
C4208	1-164-077-11	CERAMIC 220PF 10% 50V	
C4212	1-137-372-11	MYLAR 0.022uF 5% 50V	
C4213	1-137-360-11	MYLAR 220PF 5% 50V	
C4251	1-119-823-11	ELECT 4.7uF 20% 50V	
C4252	1-119-830-11	ELECT 330uF 20% 25V	
C4253	1-102-233-00	CERAMIC 33PF 10% 500V	
C4254	1-164-077-11	CERAMIC 220PF 10% 50V	
C4255	1-102-106-00	CERAMIC 100PF 10% 50V	
C4256	1-164-039-11	CERAMIC 3PF 0.25PF 50V	
C4298	1-119-854-11	ELECT 100uF 20% 100V	
C4299	1-119-854-11	ELECT 100uF 20% 100V	
C4301	1-119-823-11	ELECT 4.7uF 20% 50V	
C4302	1-119-830-11	ELECT 330uF 20% 25V	
C4303	1-102-233-00	CERAMIC 33PF 10% 500V	
C4304	1-102-934-00	CERAMIC 1.0PF 0.25PF 50V	
C4305	1-102-106-00	CERAMIC 100PF 10% 50V	
C4306	1-164-039-11	CERAMIC 3PF 0.25PF 50V	
C4308	1-164-077-11	CERAMIC 220PF 10% 50V	

Ref. No.	Part No.	Description	Remarks
C4312	1-137-372-11	MYLAR 0.022uF 5% 50V	
C4313	1-137-360-11	MYLAR 220PF 5% 50V	
C4351	1-119-823-11	ELECT 4.7uF 20% 50V	
C4352	1-119-830-11	ELECT 330uF 20% 25V	
C4353	1-102-233-00	CERAMIC 33PF 10% 500V	
C4354	1-102-934-00	CERAMIC 1.0PF 0.25PF 50V	
C4355	1-102-106-00	CERAMIC 100PF 10% 50V	
C4356	1-164-039-11	CERAMIC 3PF 0.25PF 50V	
C4358	1-164-077-11	CERAMIC 220PF 10% 50V	
C4362	1-137-372-11	MYLAR 0.022uF 5% 50V	
C4363	1-137-360-11	MYLAR 220PF 5% 50V	
C4398	1-119-854-11	ELECT 100uF 20% 100V	
C4399	1-119-854-11	ELECT 100uF 20% 100V	
< CONNECTOR >			
CN4001	1-785-102-11	PIN, CONNECTOR 4P	
CN4002	1-691-765-21	PLUG (MICRO CONNECTOR) 3P	
CN4003	1-564-506-11	PLUG (MICRO CONNECTOR) 5P	
CN4006	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
* CN4007	1-564-242-00	PIN, CONNECTOR 5P	
CN4008	1-785-104-11	PIN, CONNECTOR 6P	
CN4012	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
* CN4013	1-564-104-00	PIN, CONNECTOR (B3P-VH) 3P	
* CN4103	1-564-505-11	PLUG, CONNECTOR 2P	
CN4104	1-691-766-11	PLUG (MICRO CONNECTOR) 4P	
* CN4153	1-564-505-11	PLUG, CONNECTOR 2P	
* CN4203	1-564-505-11	PLUG, CONNECTOR 2P	
CN4204	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
* CN4303	1-564-505-11	PLUG, CONNECTOR 2P	
CN4304	1-691-765-21	PLUG (MICRO CONNECTOR) 3P	
* CN4353	1-564-505-11	PLUG, CONNECTOR 2P	
< DIODE >			
D4001	8-719-016-74	DIODE 1SS352	
D4002	8-719-016-74	DIODE 1SS352	
D4003	8-719-016-74	DIODE 1SS352	
D4101	8-719-016-74	DIODE 1SS352	
D4151	8-719-016-74	DIODE 1SS352	
D4201	8-719-016-74	DIODE 1SS352	
D4301	8-719-016-74	DIODE 1SS352	
D4351	8-719-016-74	DIODE 1SS352	
D4701	8-719-016-74	DIODE 1SS352	
< TERMINAL >			
EB401	1-537-770-21	TERMINAL BOARD, GROUND	
< HEAT SINK >			
* HS4001	4-880-403-11	HEAT SINK	
* HS4002	4-880-403-11	HEAT SINK	
< IC >			
IC4001	8-759-604-87	IC M5F7818L	
IC4002	8-759-604-91	IC M5F7918L	
IC4101	8-759-326-52	IC uPC2581V	
IC4201	8-759-326-52	IC uPC2581V	
IC4301	8-759-326-52	IC uPC2581V	

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< TRANSISTOR >							
Q4001	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		△ R4161	1-212-857-00	FUSIBLE 10 5% 1/4W	
Q4002	8-729-230-49	TRANSISTOR 2SC2712-YG		△ R4164	1-212-857-00	FUSIBLE 10 5% 1/4W	
Q4003	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		R4165	1-260-016-11	CARBON MELF 47K 2% 1/8W	
Q4103	8-749-010-43	IC NEN250		R4166	1-259-932-11	CARBON MELF 6.2K 2% 1/8W	
Q4104	8-749-010-42	IC NEP250		R4167	1-260-005-11	CARBON MELF 5.6K 2% 1/8W	
Q4105	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R4168	1-259-995-11	CARBON MELF 1K 2% 1/8W	
Q4106	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R4169	1-260-018-11	CARBON MELF 68K 2% 1/8W	
Q4153	8-749-010-43	IC NEN250		R4170	1-260-010-11	CARBON MELF 15K 2% 1/8W	
Q4154	8-749-010-42	IC NEP250		R4176	1-208-602-11	REGISTER 0.22 10% 2W	
Q4155	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R4177	1-208-602-11	REGISTER 0.22 10% 2W	
Q4156	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R4178	1-208-602-11	REGISTER 0.22 10% 2W	
Q4203	8-749-010-43	IC NEN250		R4179	1-208-602-11	REGISTER 0.22 10% 2W	
Q4204	8-749-010-42	IC NEP250		△ R4197	1-212-857-00	FUSIBLE 10 5% 1/4W	
Q4205	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		△ R4198	1-212-857-00	FUSIBLE 10 5% 1/4W	
Q4206	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R4199	1-260-011-11	CARBON MELF 18K 2% 1/8W	
Q4303	8-749-010-43	IC NEN250		R4201	1-259-995-11	CARBON MELF 1K 2% 1/8W	
Q4304	8-749-010-42	IC NEP250		R4202	1-260-017-11	CARBON MELF 56K 2% 1/8W	
Q4305	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R4203	1-249-679-11	CARBON 1.8K 5% 1/2W	
Q4306	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R4204	1-249-844-11	CARBON 56K 5% 1/2W	
Q4353	8-749-010-43	IC NEN250		△ R4208	1-212-857-00	FUSIBLE 10 5% 1/4W	
Q4354	8-749-010-42	IC NEP250		△ R4209	1-212-857-00	FUSIBLE 10 5% 1/4W	
Q4355	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		△ R4210	1-212-857-00	FUSIBLE 10 5% 1/4W	
Q4356	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		△ R4211	1-212-857-00	FUSIBLE 10 5% 1/4W	
Q4701	8-729-230-49	TRANSISTOR 2SC2712-YG		△ R4214	1-212-857-00	FUSIBLE 10 5% 1/4W	
< RESISTOR >				R4215	1-260-016-11	CARBON MELF 47K 2% 1/8W	
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	

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以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remarks		
R4318	1-259-995-11	CARBON MELF	1K	2%	1/8W
R4319	1-260-018-11	CARBON MELF	68K	2%	1/8W
R4320	1-260-010-11	CARBON MELF	15K	2%	1/8W
R4326	1-208-602-11	REGISTER	0.22	10%	2W
R4327	1-208-602-11	REGISTER	0.22	10%	2W
R4328	1-208-602-11	REGISTER	0.22	10%	2W
R4329	1-208-602-11	REGISTER	0.22	10%	2W
R4351	1-259-995-11	CARBON MELF	1K	2%	1/8W
R4352	1-260-017-11	CARBON MELF	56K	2%	1/8W
R4353	1-249-679-11	CARBON	1.8K	5%	1/2W
R4354	1-249-844-11	CARBON	56K	5%	1/2W
△ R4358	1-212-857-00	FUSIBLE	10	5%	1/4W
△ R4359	1-212-857-00	FUSIBLE	10	5%	1/4W
△ R4360	1-212-857-00	FUSIBLE	10	5%	1/4W
△ R4361	1-212-857-00	FUSIBLE	10	5%	1/4W
△ R4364	1-212-857-00	FUSIBLE	10	5%	1/4W
R4365	1-260-016-11	CARBON MELF	47K	2%	1/8W
R4366	1-259-932-11	CARBON MELF	6.2K	2%	1/8W
R4367	1-260-005-11	CARBON MELF	5.6K	2%	1/8W
R4368	1-259-995-11	CARBON MELF	1K	2%	1/8W
R4369	1-260-018-11	CARBON MELF	68K	2%	1/8W
R4370	1-260-010-11	CARBON MELF	15K	2%	1/8W
R4376	1-208-602-11	REGISTER	0.22	10%	2W
R4377	1-208-602-11	REGISTER	0.22	10%	2W
R4378	1-208-602-11	REGISTER	0.22	10%	2W
R4379	1-208-602-11	REGISTER	0.22	10%	2W
△ R4397	1-212-857-00	FUSIBLE	10	5%	1/4W
△ R4398	1-212-857-00	FUSIBLE	10	5%	1/4W
R4399	1-260-011-11	CARBON MELF	18K	2%	1/8W
R4701	1-249-422-11	CARBON	2.7K	5%	1/4W F
R4702	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R4703	1-208-462-41	RES-CHIP	10K	2%	1/10W

< RELAY >

RY4701 1-755-295-11 RELAY

A-4426-449-A AUDIO A BOARD, COMPLETE(US,CND,E,PX)

A-4426-450-A AUDIO A BOARD, COMPLETE(MY,SP,AUS,CH)

< CAPACITOR >

C1101	1-119-823-11	ELECT	4.7uF	20%	50V
C1102	1-128-858-11	ELECT	22uF	20%	50V
C1105	1-119-823-11	ELECT	4.7uF	20%	50V
C1106	1-128-858-11	ELECT	22uF	20%	50V
C1107	1-126-927-11	ELECT	2200uF	20%	10V
C1151	1-119-823-11	ELECT	4.7uF	20%	50V
C1152	1-128-858-11	ELECT	22uF	20%	50V
C1155	1-119-823-11	ELECT	4.7uF	20%	50V
C1156	1-128-858-11	ELECT	22uF	20%	50V
C1181	1-102-121-00	CERAMIC	2200PF	10%	50V

Ref. No.	Part No.	Description	Remarks		
C1182	1-102-121-00	CERAMIC	2200PF	10%	50V
C1191	1-102-121-00	CERAMIC	2200PF	10%	50V
C1192	1-102-121-00	CERAMIC	2200PF	10%	50V
CC1101	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1102	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1103	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1104	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1105	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1106	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1151	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1152	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1153	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1154	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1155	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)
CC1156	1-137-358-11	MYLAR	0.0001uF	5%	50V
					(MY,SP,AUS,CH)

< CONNECTOR >

CN1102	1-784-774-11	CONNECTOR, FFC 13P
CN1103	1-784-735-11	CONNECTOR, FFC 13P
* CN1104	1-564-507-11	PLUG, CONNECTOR 4P
CN1105	1-691-765-11	PLUG (MICRO CONNECTOR) 3P

< DIODE >

D1101	8-719-016-74	DIODE 1SS352
D1102	8-719-016-74	DIODE 1SS352
D1103	8-719-914-42	DIODE DA204K

< IC >

IC1101	8-759-655-96	IC TA9163AF
IC1102	8-759-655-97	IC TC9162AF
IC1103	8-759-711-85	IC NJM4580E-D
IC1105	8-759-711-85	IC NJM4580E-D

< JACK >

J1101	1-794-024-11	JACK, PIN 6P(2ND AUDIO,CD)
J1102	1-793-523-11	JACK, PIN 6P(MD/DAT,TAPE)

< TRANSISTOR >

Q1101	8-729-424-08	TRANSISTOR UN2111
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< RESISTOR >

R1101	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1102	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1103	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1104	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1105	1-259-995-11	CARBON MELF	1K	2%	1/8W

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

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

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

AUDIO A

AUDIO V

BIAS

BLUE LED

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
R1106	1-259-995-11	CARBON MELF 1K 2%	1/8W			< IC >	
R1107	1-208-813-11	RES-CHIP 20K 0.5%	1/10W	IC1201	8-759-245-17	IC TC9164N	
R1108	1-208-422-41	RES-CHIP 240 2%	1/10W			< JACK >	
R1111	1-260-032-11	CARBON MELF 1M 2%	1/8W	J1201	1-793-523-11	JACK, PIN 6P(TV/SAT,DVD/LD)	
R1112	1-216-254-00	CARBON MELF 220K 2%	1/8W	J1202	1-793-523-11	JACK, PIN 6P(VIDEO1,VIDEO2)	
R1116	1-260-032-11	CARBON MELF 1M 2%	1/8W			< RESISTOR >	
R1117	1-260-032-11	CARBON MELF 1M 2%	1/8W	R1201	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1118	1-216-254-00	CARBON MELF 220K 2%	1/8W	R1202	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1151	1-259-995-11	CARBON MELF 1K 2%	1/8W	R1203	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1152	1-259-995-11	CARBON MELF 1K 2%	1/8W	R1204	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1153	1-259-995-11	CARBON MELF 1K 2%	1/8W	R1205	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1154	1-259-995-11	CARBON MELF 1K 2%	1/8W	R1206	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1155	1-259-995-11	CARBON MELF 1K 2%	1/8W	R1251	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1156	1-259-995-11	CARBON MELF 1K 2%	1/8W	R1252	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1161	1-260-032-11	CARBON MELF 1M 2%	1/8W	R1253	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1162	1-216-254-00	CARBON MELF 220K 2%	1/8W	R1254	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1166	1-260-032-11	CARBON MELF 1M 2%	1/8W	R1255	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1167	1-260-032-11	CARBON MELF 1M 2%	1/8W	R1256	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1168	1-216-254-00	CARBON MELF 220K 2%	1/8W			*****	
		< RELAY >		1-675-085-11	BIAS BOARD	*****	
RY1101	1-755-294-11	RELAY				< CAPACITOR >	
		*****		C4107	1-128-846-51	ELECT 330uF 20% 25V	
A-4426-452-A	AUDIO V BOARD, COMPLETE(US,CND,E,PX)	*****				< CONNECTOR >	
A-4426-453-A	AUDIO V BOARD, COMPLETE(MY,SP,AUS,CH)	*****		* CN4101	1-568-942-11	PIN, CONNECTOR 4P	
		< CAPACITOR >				< DIODE >	
C1281	1-102-121-00	CERAMIC 2200PF 10% 50V		D4102	8-719-911-19	DIODE 1SS119	
C1282	1-102-121-00	CERAMIC 2200PF 10% 50V				< TRANSISTOR >	
CC1201	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)	Q4102	8-729-026-08	TRANSISTOR 2SC4495	
CC1202	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)			< RESISTOR >	
CC1203	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)	R4106	1-259-999-11	CARBON MELF 2.2K 2%	1/8W
CC1204	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)	R4107	1-259-918-11	CARBON MELF 430 2%	1/8W
CC1205	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)			< VARIABLE RESISTOR >	
CC1206	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)	RV4101	1-237-456-11	RES, ADJ, CARBON 1K	*****
CC1251	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)			1-675-065-11	BLUE LED BOARD
CC1252	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)			*****	
CC1253	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)			< CAPACITOR >	
CC1254	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)	C105	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
CC1255	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)			< CONNECTOR >	
CC1256	1-137-358-11	MYLAR 0.0001uF 5% 50V	(MY,SP,AUS,CH)	* CN111	1-564-517-11	PLUG, CONNECTOR 2P	
		< CONNECTOR >				< DIODE >	
CN1201	1-784-735-11	CONNECTOR, FFC 13P		D101	8-719-070-83	DIODE SELU5E20C-TP15(FL BACK LIGHT)	

BLUE LED

C VIDEO

CTRL-A1

DIGITAL

Ref. No.	Part No.	Description	Remarks
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< RESISTOR >

R116	1-216-073-00	METAL CHIP 10K 5% 1/10W	
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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	
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< IC >

IC5101	8-759-536-24	IC NJM-2296M-TE2	
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< JACK >

J5101	1-793-522-11	JACK, PIN 2P(TV/SAT,DVD/LD 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 >

C1401	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C1402	1-127-718-91	ELECT MELF 100uF 20% 16V	
C1403	1-127-718-91	ELECT MELF 100uF 20% 16V	
C1405	1-127-718-91	ELECT MELF 100uF 20% 16V	
C1601	1-127-718-91	ELECT MELF 100uF 20% 16V	

Ref. No.	Part No.	Description	Remarks
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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	
C1606	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	

C1701	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
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< CONNECTOR >

CN1401	1-784-776-11	CONNECTOR, FFC 15P	
CN1402	1-784-776-11	CONNECTOR, FFC 15P	
CN1403	1-784-774-11	CONNECTOR, FFC 13P	
CN1405	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P	

< DIODE >

D1701	8-719-025-33	DIODE 02CZ6.2-TE85L	
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< FERRITE BEAD >

FB1601	1-410-397-21	FERRITE BEAD INDUCTOR	
FB1701	1-500-245-11	INDUCTOR CHIP 0uH	
FB1702	1-500-245-11	INDUCTOR CHIP 0uH	

< IC >

IC1401	8-759-708-05	IC NJM78L05A	
IC1402	8-759-595-88	IC AN77L12-TA	
IC1601	8-759-557-32	IC ADM202EARN-REEL	

< JACK >

J1601	1-764-116-41	PULG, (D) SUB CONNECTOR 9P(RS-232C)	
J1701	1-563-330-11	JACK(CONTROL A1)	

< RESISTOR >

R1401	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R1402	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R1403	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
R1404	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R1405	1-208-437-41	RES-CHIP 1K 2% 1/10W	

R1406	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R1407	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R1408	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R1409	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R1601	1-216-025-91	RES-CHIP 100 5% 1/10W	

A-4426-434-A DIGITAL BOARD, COMPLETE(US,CND)

A-4426-435-A DIGITAL BOARD, COMPLETE(E,PX)

A-4426-436-A DIGITAL BOARD, COMPLETE(MY,SP,AUS)

A-4426-994-A DIGITAL BOARD, COMPLETE(CH)

*	4-931-401-31	HEAT SINK, V.OUT	
	7-685-872-09	SCREW +BVTT 3X8 (S)	

< BUS BAR >

BB301	1-568-129-11	BAR, BUS 8P	
BB302	1-569-136-11	BAR, BUS 5P	

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
< CAPACITOR >							C364	1-130-495-00	MYLAR	0.1uF	5%	50V	
							C365	1-130-495-00	MYLAR	0.1uF	5%	50V	
C303	1-136-230-00	FILM	0.0022uF	5%	100V		C366	1-130-495-00	MYLAR	0.1uF	5%	50V	
C304	1-136-230-00	FILM	0.0022uF	5%	100V		C367	1-130-495-00	MYLAR	0.1uF	5%	50V	
C305	1-136-230-00	FILM	0.0022uF	5%	100V		C368	1-128-840-11	ELECT	47uF	20%	16V	
C306	1-136-230-00	FILM	0.0022uF	5%	100V								
C307	1-136-230-00	FILM	0.0022uF	5%	100V		C369	1-128-832-11	ELECT	220uF	20%	10V	
							C370	1-127-718-91	ELECT MELF	100uF	20%	16V	
C308	1-136-230-00	FILM	0.0022uF	5%	100V		C371	1-128-840-11	ELECT	47uF	20%	16V	
C309	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C372	1-128-832-11	ELECT	220uF	20%	10V	
C310	1-128-840-11	ELECT	47uF	20%	16V		C373	1-127-718-91	ELECT MELF	100uF	20%	16V	
C311	1-128-840-11	ELECT	47uF	20%	16V								
C312	1-125-854-21	FILM	560PF	5%	50V		C374	1-128-840-11	ELECT	47uF	20%	16V	
							C375	1-128-832-11	ELECT	220uF	20%	10V	
C313	1-125-854-21	FILM	560PF	5%	50V		C376	1-127-718-91	ELECT MELF	100uF	20%	16V	
C314	1-125-854-21	FILM	560PF	5%	50V		C377	1-128-840-11	ELECT	47uF	20%	16V	
C315	1-125-854-21	FILM	560PF	5%	50V		C378	1-128-832-11	ELECT	220uF	20%	10V	
C316	1-125-854-21	FILM	560PF	5%	50V								
C317	1-125-854-21	FILM	560PF	5%	50V		C379	1-127-718-91	ELECT MELF	100uF	20%	16V	
							C380	1-128-840-11	ELECT	47uF	20%	16V	
C318	1-128-840-11	ELECT	47uF	20%	16V		C381	1-128-832-11	ELECT	220uF	20%	10V	
C319	1-130-475-00	MYLAR	0.0022uF	5%	50V		C382	1-127-718-91	ELECT MELF	100uF	20%	16V	
C320	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C383	1-128-840-11	ELECT	47uF	20%	16V	
C321	1-125-845-21	FILM	47PF	10%	50V								
C322	1-125-845-21	FILM	47PF	10%	50V		C384	1-128-832-11	ELECT	220uF	20%	10V	
							C385	1-127-718-91	ELECT MELF	100uF	20%	16V	
C323	1-125-845-21	FILM	47PF	10%	50V		C386	1-127-720-91	ELECT MELF	470uF	20%	16V	
C324	1-125-845-21	FILM	47PF	10%	50V		C387	1-127-720-91	ELECT MELF	470uF	20%	16V	
C325	1-125-845-21	FILM	47PF	10%	50V		C388	1-127-720-91	ELECT MELF	470uF	20%	16V	
C326	1-125-845-21	FILM	47PF	10%	50V								
C327	1-127-718-91	ELECT MELF	100uF	20%	16V		C389	1-119-841-11	ELECT	1000uF	20%	63V	
							C390	1-119-841-11	ELECT	1000uF	20%	63V	
C334	1-119-820-11	ELECT	1uF	20%	50V		C391	1-119-841-11	ELECT	1000uF	20%	63V	
C335	1-119-820-11	ELECT	1uF	20%	50V		C392	1-127-718-91	ELECT MELF	100uF	20%	16V	
C336	1-128-833-91	ELECT	330uF	20%	10V		C393	1-127-718-91	ELECT MELF	100uF	20%	16V	
C337	1-130-475-00	MYLAR	0.0022uF	5%	50V								
C338	1-130-495-00	MYLAR	0.1uF	5%	50V		C394	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C395	1-136-165-00	MYLAR	0.1uF	5%	50V	
C339	1-130-495-00	MYLAR	0.1uF	5%	50V		C396	1-136-165-00	MYLAR	0.1uF	5%	50V	
C340	1-130-495-00	MYLAR	0.1uF	5%	50V		C397	1-136-165-00	MYLAR	0.1uF	5%	50V	
C341	1-130-495-00	MYLAR	0.1uF	5%	50V		C398	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C342	1-130-495-00	MYLAR	0.1uF	5%	50V								
C343	1-130-495-00	MYLAR	0.1uF	5%	50V		C399	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
							C400	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C344	1-127-718-91	ELECT MELF	100uF	20%	16V		C401	1-127-718-91	ELECT MELF	100uF	20%	16V	
C345	1-119-823-11	ELECT	4.7uF	20%	50V		C402	1-127-718-91	ELECT MELF	100uF	20%	16V	
C346	1-119-823-11	ELECT	4.7uF	20%	50V		C403	1-127-718-91	ELECT MELF	100uF	20%	16V	
C347	1-119-823-11	ELECT	4.7uF	20%	50V								
C348	1-119-823-11	ELECT	4.7uF	20%	50V		C404	1-127-718-91	ELECT MELF	100uF	20%	16V	
							C405	1-127-718-91	ELECT MELF	100uF	20%	16V	
C349	1-119-823-11	ELECT	4.7uF	20%	50V		C406	1-127-718-91	ELECT MELF	100uF	20%	16V	
C350	1-119-823-11	ELECT	4.7uF	20%	50V		C407	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C351	1-136-165-00	MYLAR	0.1uF	5%	50V		C408	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C352	1-165-319-11	CERAMIC CHIP	0.1uF		50V							(US,CND)	
C353	1-119-823-11	ELECT	4.7uF	20%	50V								
							C409	1-164-005-91	CERAMIC CHIP	0.47uF		25V	
C354	1-119-823-11	ELECT	4.7uF	20%	50V		C410	1-127-718-91	ELECT MELF	100uF	20%	16V	
C355	1-119-823-11	ELECT	4.7uF	20%	50V		C411	1-127-718-91	ELECT MELF	100uF	20%	16V	
C356	1-119-823-11	ELECT	4.7uF	20%	50V		C412	1-127-718-91	ELECT MELF	100uF	20%	16V	
C357	1-119-823-11	ELECT	4.7uF	20%	50V		C413	1-127-718-91	ELECT MELF	100uF	20%	16V	
C358	1-119-823-11	ELECT	4.7uF	20%	50V								
							C414	1-127-718-91	ELECT MELF	100uF	20%	16V	
C359	1-163-003-11	CERAMIC CHIP	330PF	10%	50V		C415	1-127-718-91	ELECT MELF	100uF	20%	16V	
C360	1-163-003-11	CERAMIC CHIP	330PF	10%	50V		C416	1-127-720-91	ELECT MELF	470uF	20%	16V	
C361	1-163-003-11	CERAMIC CHIP	330PF	10%	50V		C417	1-127-720-91	ELECT MELF	470uF	20%	16V	
C362	1-130-495-00	MYLAR	0.1uF	5%	50V		C418	1-127-720-91	ELECT MELF	470uF	20%	16V	
C363	1-130-495-00	MYLAR	0.1uF	5%	50V								
							C419	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C420	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C421	1-127-720-91	ELECT MELF	470uF	20%	16V	
							C422	1-127-720-91	ELECT MELF	470uF	20%	16V	
							C423	1-127-720-91	ELECT MELF	470uF	20%	16V	

DIGITAL

Ref. No.	Part No.	Description	Remarks
C424	1-165-319-11	CERAMIC CHIP 0.1uF	0% 50V
C425	1-165-319-11	CERAMIC CHIP 0.1uF	0% 50V
C426	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C427	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C428	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C429	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C430	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C431	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C432	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C433	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C434	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C435	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C436	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C437	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C438	1-163-021-91	CERAMIC CHIP 0.01uF	10% 50V
C439	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C440	1-127-719-91	ELECT MELF 220uF	20% 16V
C441	1-163-021-91	CERAMIC CHIP 0.01uF	10% 50V
C442	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C443	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C444	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C445	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C446	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C447	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C448	1-163-101-00	CERAMIC CHIP 22PF	5% 50V (US,CND)
C448	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C449	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C450	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C451	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C452	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C453	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C454	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C455	1-128-840-11	ELECT 47uF	20% 16V
C456	1-128-840-11	ELECT 47uF	20% 16V
C457	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C458	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C459	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C460	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C461	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C462	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C463	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C464	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C465	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C466	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C467	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C468	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C469	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C470	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C471	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C472	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C473	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C474	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C475	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C476	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C477	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C478	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C479	1-163-009-11	CERAMIC CHIP 0.001uF	10% 50V
C480	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C481	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C482	1-165-319-11	CERAMIC CHIP 0.1uF	50V

Ref. No.	Part No.	Description	Remarks
C483	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C484	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C485	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C486	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C487	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C488	1-163-101-00	CERAMIC CHIP 22PF	5% 50V (MY,SP,AUS,E,PX,CH)
C489	1-119-823-11	ELECT 4.7uF	20% 50V (US,CND)
C490	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C491	1-163-005-11	CERAMIC CHIP 470PF	10% 50V (US,CND)
C492	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C493	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C494	1-136-165-00	MYLAR 0.1uF	5% 50V
C495	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C496	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C497	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C498	1-128-860-11	ELECT 47uF	20% 50V
C499	1-128-860-11	ELECT 47uF	20% 50V
C500	1-117-721-11	CERAMIC CHIP 4700PF	5% 25V
C501	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C507	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C508	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C509	1-165-319-11	CERAMIC CHIP 0.1uF	50V
< CONNECTOR >			
CN301	1-568-844-11	CONNECTOR, FFC 29P	
CN302	1-691-772-11	PLUG (MICRO CONNECTOR) 10P	
* CN303	1-695-371-31	CONNECTOR, FFC 10P(US,CND,MY,SP,AUS,CH)	
CN303	1-568-828-11	CONNECTOR, FFC 9P(E,PX)	
CN304	1-691-769-11	PLUG (MICRO CONNECTOR) 7P	
CN305	1-784-776-11	CONNECTOR, FFC 15P	
CN306	1-784-792-11	CONNECTOR, FFC 31P	
< DIODE >			
D301	8-719-801-78	DIODE 1SS184	
D302	8-719-801-78	DIODE 1SS184	
D303	8-719-801-78	DIODE 1SS184	
D304	8-719-801-78	DIODE 1SS184	
D305	8-719-800-76	DIODE 1SS226	
D306	8-719-800-76	DIODE 1SS226	
D307	8-719-800-76	DIODE 1SS226	
D308	8-719-800-76	DIODE 1SS226	
D309	8-719-053-18	DIODE 1SR154-400TE-25	
D310	8-719-110-88	DIODE RD39ES-B2	
D312	8-719-820-05	DIODE 1SS181	
D313	8-719-016-74	DIODE 1SS352	
D314	8-719-016-74	DIODE 1SS352	
D315	8-719-016-74	DIODE 1SS352	
D316	8-719-801-78	DIODE 1SS184	
D317	8-719-016-74	DIODE 1SS352	
< TERMINAL >			
EP401	1-537-770-21	TERMINAL BOARD, GROUND	
EP402	1-537-770-21	TERMINAL BOARD, GROUND	

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
		< FERRITE BEAD >					
FB301	1-469-365-21	FERRITE OUH		IC311	8-759-231-53	IC TA7805S	
FB302	1-469-365-21	FERRITE OUH		IC312	8-759-231-53	IC TA7805S	
FB303	1-500-230-21	INDUCTOR OUH		IC313	8-759-245-79	IC TA79005S	
FB304	1-500-230-21	INDUCTOR OUH		IC314	8-759-231-53	IC TA7805S	
FB305	1-500-230-21	INDUCTOR OUH		IC315	8-759-231-53	IC TA7805S	
FB306	1-469-365-21	FERRITE OUH		IC316	8-759-231-53	IC TA7805S	
FB307	1-469-365-21	FERRITE OUH		IC317	8-759-233-44	IC TC74HC595AF	
FB308	1-469-365-21	FERRITE OUH		IC318	8-749-015-84	IC GP1F37R1(DVD/LD OPT IN)	
FB309	1-500-230-21	INDUCTOR OUH		IC319	8-749-015-84	IC GP1F37R1(TV/SAT OPT IN)	
FB310	1-500-230-21	INDUCTOR OUH		IC320	8-759-652-28	IC 2J1704U-2K	
FB311	1-500-230-21	INDUCTOR OUH		IC321	8-759-652-28	IC 2J1704U-2K	
FB312	1-500-230-21	INDUCTOR OUH		IC322	8-759-652-28	IC 2J1704U-2K	
FB313	1-500-230-21	INDUCTOR OUH		IC323	8-759-652-28	IC 2J1704U-2K	
FB314	1-500-230-21	INDUCTOR OUH		IC324	8-759-652-28	IC 2J1704U-2K	
FB315	1-469-365-21	FERRITE OUH		IC325	8-759-652-28	IC 2J1704U-2K	
FB316	1-469-365-21	FERRITE OUH		IC326	8-759-245-79	IC TA79005S	
FB317	1-469-365-21	FERRITE OUH		IC327	8-759-245-79	IC TA79005S	
FB318	1-469-365-21	FERRITE OUH		IC328	8-759-245-79	IC TA79005S	
FB319	1-469-365-21	FERRITE OUH		IC330	8-759-242-70	IC TC7WU04F	
FB320	1-469-365-21	FERRITE OUH		IC331	8-749-015-84	IC GP1F37R1(MD/DAT OPT IN)	
FB321	1-469-365-21	FERRITE OUH		IC332	8-749-015-62	IC GP1F38T2(MD/DAT OPT OUT)	
FB322	1-469-365-21	FERRITE OUH		IC333	8-759-996-46	IC BA6208F-T1	
FB323	1-469-365-21	FERRITE OUH		IC334	8-759-242-74	IC TC7W04F	
FB324	1-469-365-21	FERRITE OUH		IC335	8-759-242-70	IC TC7WU04F	
FB325	1-469-365-21	FERRITE OUH		IC336	8-759-233-26	IC TC74HC393AF-TP1	
FB326	1-469-365-21	FERRITE OUH		IC337	8-749-015-84	IC GP1F37R1(CD OPT IN)	
FB327	1-469-365-21	FERRITE OUH		IC338	8-759-652-26	IC DF1704E-2K	
FB328	1-469-365-21	FERRITE OUH		IC339	8-759-652-26	IC DF1704E-2K	
FB329	1-469-365-21	FERRITE OUH		IC340	8-759-652-26	IC DF1704E-2K	
FB330	1-469-365-21	FERRITE OUH		IC341	8-759-424-25	IC MC74HC151FEL	
FB331	1-469-365-21	FERRITE OUH		IC342	8-759-233-66	IC TC74HCT04AF	
FB332	1-469-365-21	FERRITE OUH		IC343	8-759-234-20	IC TC7S08F	
FB333	1-469-365-21	FERRITE OUH		IC344	8-759-367-62	IC MC74HC157AFEL	
FB334	1-469-365-21	FERRITE OUH		IC345	8-759-186-30	IC TC74VHC14F	
FB335	1-500-230-21	INDUCTOR OUH		IC346	8-759-424-39	IC MC74HC244AFEL	
FB336	1-500-230-21	INDUCTOR OUH		IC347	8-752-391-87	IC CXD2712R	
FB337	1-500-230-21	INDUCTOR OUH		IC348	8-752-391-87	IC CXD2712R	
FB338	1-500-230-21	INDUCTOR OUH		IC349	8-759-639-35	IC LC89055W-RA8	
FB339	1-500-230-21	INDUCTOR OUH		IC350	8-759-598-06	IC S-80942ANMP-DD6-T2	(US,CND,MY,SP,AUS,CH)
FB340	1-500-230-21	INDUCTOR OUH		IC350	8-759-635-63	IC M51943BSL(E,PX)	
FB341	1-469-365-21	FERRITE OUH		IC351	8-759-186-69	IC TC74VHC367F	
FB342	1-469-365-21	FERRITE OUH		IC352	8-759-662-66	IC TMP87C447U-1D99	
		< IC >		IC353	8-759-234-20	IC TC7S08F	
IC301	8-759-711-85	IC NJM4580E-D		IC354	8-759-643-42	IC CXD9511AQ	
IC302	8-759-711-85	IC NJM4580E-D		IC356	8-759-488-94	IC IDT71V256SA15Y-TL	
IC303	8-759-711-85	IC NJM4580E-D		IC357	8-759-655-94	IC HD64F2134FA20-777C	
IC304	8-759-711-85	IC NJM4580E-D		IC358	8-759-470-63	IC NJM2145M-TE2(US,CND)	
IC305	8-759-711-85	IC NJM4580E-D		IC359	8-759-482-20	IC IDT71V124S15Y-TL	
IC306	8-759-711-85	IC NJM4580E-D		IC360	8-759-482-20	IC IDT71V124S15Y-TL	
IC307	8-759-426-99	IC CXD8607N-T6		IC361	8-759-035-93	IC SC7S32F	
IC308	8-759-445-59	IC BA033T		IC362	8-759-237-43	IC TC74HC393AF(EL)	
IC309	8-759-445-59	IC BA033T		IC363	8-759-031-84	IC SC7S04F	
IC310	8-759-231-53	IC TA7805S		IC364	8-759-525-10	IC TC7SET08F(TE85L)	

DIGITAL

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< JACK >				R321	1-260-004-11	CARBON MELF 4.7K 2%	1/8W
J301	1-568-750-21	JACK, PIN (1P SHIELD TYPE) (DVD/LD COAX IN)		R322	1-260-004-11	CARBON MELF 4.7K 2%	1/8W
J302	1-568-750-21	JACK, PIN (1P SHIELD TYPE)(CD COAX IN)		R323	1-259-995-11	CARBON MELF 1K 2%	1/8W
J303	1-764-188-21	JACK (SMALL TYPE) (DIA. 3.5) (CTRL-S IN MONITOR)(US,CND)		R324	1-259-926-11	CARBON MELF 2K 2%	1/8W
J304	1-764-188-21	JACK (SMALL TYPE) (DIA. 3.5) (CTRL-S OUT VIDEO1)(US,CND)		R325	1-259-926-11	CARBON MELF 2K 2%	1/8W
J305	1-764-188-21	JACK (SMALL TYPE) (DIA. 3.5) (CTRL-S OUT DVD/LD)(US,CND)		R326	1-259-926-11	CARBON MELF 2K 2%	1/8W
J306	1-764-188-21	JACK (SMALL TYPE) (DIA. 3.5) (STATUS IN TV/SAT)(US,CND)		R327	1-259-926-11	CARBON MELF 2K 2%	1/8W
< JUMPER RESISTOR >				R328	1-259-926-11	CARBON MELF 2K 2%	1/8W
JW301	1-216-295-91	SHORT 0 (US,CND)		R329	1-259-926-11	CARBON MELF 2K 2%	1/8W
< COIL >				R330	1-259-927-11	CARBON MELF 2.4K 2%	1/8W
L301	1-410-385-11	INDUCTOR CHIP 22uH		R331	1-259-927-11	CARBON MELF 2.4K 2%	1/8W
< TRANSISTOR >				R332	1-259-927-11	CARBON MELF 2.4K 2%	1/8W
Q301	8-729-018-59	TRANSISTOR 2SB1375-LC		R333	1-259-927-11	CARBON MELF 2.4K 2%	1/8W
Q302	8-729-018-59	TRANSISTOR 2SB1375-LC		R334	1-259-927-11	CARBON MELF 2.4K 2%	1/8W
Q303	8-729-421-22	TRANSISTOR UN2211		R335	1-259-927-11	CARBON MELF 2.4K 2%	1/8W
Q304	8-729-424-08	TRANSISTOR UN2111		△ R336	1-217-785-11	FUSIBLE 15 5%	5W
Q305	8-729-421-22	TRANSISTOR UN2211		△ R337	1-217-786-11	FUSIBLE 22 5%	5W
Q306	8-729-018-60	TRANSISTOR 2SD2012-LC		R338	1-216-627-11	METAL CHIP 100 0.5%	1/10W
Q307	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L		△ R339	1-217-784-11	FUSIBLE 10 5%	5W
Q308	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L		R340	1-220-753-11	CEMENTED 6.8 5%	5W
Q309	8-729-216-22	TRANSISTOR 2SA1162-G		△ R341	1-217-787-11	FUSIBLE 33 5%	5W
Q310	8-729-018-60	TRANSISTOR 2SD2012-LC		R342	1-259-983-11	CARBON MELF 100 2%	1/8W
Q311	8-729-421-22	TRANSISTOR UN2211		R343	1-208-755-11	RES-CHIP 75 2%	1/10W
Q312	8-729-424-08	TRANSISTOR UN2111(US,CND)		R344	1-259-983-11	CARBON MELF 100 2%	1/8W
Q313	8-729-421-22	TRANSISTOR UN2211(US,CND)		R345	1-208-462-41	RES-CHIP 10K 2%	1/10W
< RESISTOR >				R346	1-208-462-41	RES-CHIP 10K 2%	1/10W
R301	1-216-635-11	METAL CHIP 220 0.5% 1/10W		R347	1-208-462-41	RES-CHIP 10K 2%	1/10W
R302	1-216-635-11	METAL CHIP 220 0.5% 1/10W		R348	1-208-462-41	RES-CHIP 10K 2%	1/10W
R303	1-208-462-41	RES-CHIP 10K 2% 1/10W		R349	1-208-462-41	RES-CHIP 10K 2%	1/10W
R304	1-208-462-41	RES-CHIP 10K 2% 1/10W		R350	1-208-462-41	RES-CHIP 10K 2%	1/10W
R305	1-208-462-41	RES-CHIP 10K 2% 1/10W		R351	1-259-979-11	CARBON MELF 47 2%	1/8W
R306	1-208-462-41	RES-CHIP 10K 2% 1/10W		R352	1-259-995-11	CARBON MELF 1K 2%	1/8W
R307	1-259-995-11	CARBON MELF 1K 2% 1/8W		R353	1-208-437-41	RES-CHIP 1K 2%	1/10W
R308	1-259-983-11	CARBON MELF 100 2% 1/8W		R354	1-208-462-41	RES-CHIP 10K 2%	1/10W
R309	1-259-983-11	CARBON MELF 100 2% 1/8W		R355	1-208-437-41	RES-CHIP 1K 2%	1/10W
R310	1-260-004-11	CARBON MELF 4.7K 2% 1/8W		R363	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R311	1-260-004-11	CARBON MELF 4.7K 2% 1/8W		R364	1-208-425-41	RES-CHIP 330 2%	1/10W
R312	1-260-004-11	CARBON MELF 4.7K 2% 1/8W		R365	1-208-425-41	RES-CHIP 330 2%	1/10W
R313	1-260-004-11	CARBON MELF 4.7K 2% 1/8W		R366	1-208-425-41	RES-CHIP 330 2%	1/10W
R314	1-260-004-11	CARBON MELF 4.7K 2% 1/8W		R367	1-208-425-41	RES-CHIP 330 2%	1/10W
R315	1-260-004-11	CARBON MELF 4.7K 2% 1/8W		R368	1-208-462-41	RES-CHIP 10K 2%	1/10W
R316	1-208-755-11	RES-CHIP 75 2% 1/10W		R369	1-208-462-41	RES-CHIP 10K 2%	1/10W
R317	1-260-004-11	CARBON MELF 4.7K 2% 1/8W		R370	1-208-425-41	RES-CHIP 330 2%	1/10W
R318	1-260-004-11	CARBON MELF 4.7K 2% 1/8W		R371	1-208-425-41	RES-CHIP 330 2%	1/10W
R319	1-260-004-11	CARBON MELF 4.7K 2% 1/8W		R372	1-208-425-41	RES-CHIP 330 2%	1/10W
R320	1-260-004-11	CARBON MELF 4.7K 2% 1/8W		R373	1-208-425-41	RES-CHIP 330 2%	1/10W
				R374	1-216-627-11	METAL CHIP 100 0.5%	1/10W
				R375	1-208-425-41	RES-CHIP 330 2%	1/10W
				R376	1-208-425-41	RES-CHIP 330 2%	1/10W
				R377	1-208-425-41	RES-CHIP 330 2%	1/10W
				R378	1-208-425-41	RES-CHIP 330 2%	1/10W
				R379	1-216-627-11	METAL CHIP 100 0.5%	1/10W
				R380	1-208-425-41	RES-CHIP 330 2%	1/10W
						(US,CND,MY,SP,AUS,CH)	
				R381	1-208-425-41	RES-CHIP 330 2%	1/10W
				R382	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.

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

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R383	1-208-425-41	RES-CHIP	330	2%	1/10W	R438	1-208-437-41	RES-CHIP	1K	2%	1/10W
R384	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R439	1-208-437-41	RES-CHIP	1K	2%	1/10W
R385	1-218-776-11	METAL CHIP	1M	0.5%	1/10W	R440	1-208-437-41	RES-CHIP	1K	2%	1/10W
R386	1-208-776-11	RES-CHIP	560	2%	1/10W	R441	1-208-437-41	RES-CHIP	1K	2%	1/10W
R387	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R442	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R388	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R443	1-208-462-41	RES-CHIP	10K	2%	1/10W
R389	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R444	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R390	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R445	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R391	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R446	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R392	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R447	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R393	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R448	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R394	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R449	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R395	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R450	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R396	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R451	1-259-979-11	CARBON MELF	47	2%	1/8W
R397	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R452	1-259-979-11	CARBON MELF	47	2%	1/8W
R398	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R453	1-259-995-11	CARBON MELF	1K	2%	1/8W
R399	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R454	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R400	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R455	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R401	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R456	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R402	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R457	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R403	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R458	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R404	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R459	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R405	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R460	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R406	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R461	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R407	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R462	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R408	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R463	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R409	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R464	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R410	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R465	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R411	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R466	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R412	1-208-462-41	RES-CHIP	10K	2%	1/10W	R467	1-208-462-41	RES-CHIP	10K	2%	1/10W
R413	1-208-799-11	RES-CHIP	5.1K	2%	1/10W	R468	1-208-518-41	RES-CHIP	22K	2%	1/10W
R414	1-208-462-41	RES-CHIP	10K	2%	1/10W	R469	1-208-518-41	RES-CHIP	22K	2%	1/10W
R415	1-208-755-11	RES-CHIP	75	2%	1/10W	R470	1-208-518-41	RES-CHIP	22K	2%	1/10W
R416	1-208-799-11	RES-CHIP	5.1K	2%	1/10W	R471	1-208-462-41	RES-CHIP	10K	2%	1/10W
R417	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W	R472	1-208-462-41	RES-CHIP	10K	2%	1/10W
R418	1-218-776-11	METAL CHIP	1M	0.5%	1/10W	R473	1-208-462-41	RES-CHIP	10K	2%	1/10W
R419	1-208-462-41	RES-CHIP	10K	2%	1/10W	R474	1-208-462-41	RES-CHIP	10K	2%	1/10W
R420	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R475	1-208-462-41	RES-CHIP	10K	2%	1/10W
R421	1-208-462-41	RES-CHIP	10K	2%	1/10W	R476	1-208-462-41	RES-CHIP	10K	2%	1/10W
R422	1-208-462-41	RES-CHIP	10K	2%	1/10W	R477	1-208-462-41	RES-CHIP	10K	2%	1/10W
R423	1-208-462-41	RES-CHIP	10K	2%	1/10W	R478	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R424	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R479	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R425	1-208-462-41	RES-CHIP	10K	2%	1/10W						(CH)
R426	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R479	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R427	1-208-462-41	RES-CHIP	10K	2%	1/10W						(MY,SP,AUS)
R428	1-218-776-11	METAL CHIP	1M	0.5%	1/10W	R479	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
R429	1-208-437-41	RES-CHIP	1K	2%	1/10W						(E,PX)
R430	1-208-437-41	RES-CHIP	1K	2%	1/10W	R480	1-208-462-41	RES-CHIP	10K	2%	1/10W
R431	1-208-462-41	RES-CHIP	10K	2%	1/10W	R481	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R432	1-208-437-41	RES-CHIP	1K	2%	1/10W	R482	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
					(US,CND)	R483	1-208-462-41	RES-CHIP	10K	2%	1/10W
R433	1-208-437-41	RES-CHIP	1K	2%	1/10W	R484	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
					(US,CND)	R485	1-208-518-41	RES-CHIP	22K	2%	1/10W
R434	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R486	1-208-518-41	RES-CHIP	22K	2%	1/10W
R435	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R487	1-208-518-41	RES-CHIP	22K	2%	1/10W
R436	1-208-437-41	RES-CHIP	1K	2%	1/10W	R488	1-208-462-41	RES-CHIP	10K	2%	1/10W
R437	1-208-437-41	RES-CHIP	1K	2%	1/10W	R489	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
						R490	1-208-462-41	RES-CHIP	10K	2%	1/10W

DIGITAL

DISPLAY

Ref. No.	Part No.	Description			Remarks
R491	1-208-462-41	RES-CHIP	10K	2%	1/10W
△ R492	1-212-865-00	FUSIBLE	22	5%	1/4W
R493	1-208-462-41	RES-CHIP	10K	2%	1/10W
R494	1-208-462-41	RES-CHIP	10K	2%	1/10W
R495	1-208-462-41	RES-CHIP	10K	2%	1/10W
R496	1-208-462-41	RES-CHIP	10K	2%	1/10W
R497	1-208-462-41	RES-CHIP	10K	2%	1/10W
R498	1-208-462-41	RES-CHIP	10K	2%	1/10W
R499	1-208-462-41	RES-CHIP	10K	2%	1/10W
R500	1-208-462-41	RES-CHIP	10K	2%	1/10W
R501	1-208-425-41	RES-CHIP	330	2%	1/10W
R502	1-208-425-41	RES-CHIP	330	2%	1/10W
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

Ref. No.	Part No.	Description			Remarks
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
				(US,CND,MY,SP,AUS,CH)	
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
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)			

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

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

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< CAPACITOR >				< FERRITE BEAD >			
C101	1-127-736-11	ELECT MELF	10uF 20% 52V	FB101	1-469-365-21	FERRITE 0UH	
C102	1-165-319-11	CERAMIC CHIP	0.1uF 50V	FB102	1-469-365-21	FERRITE 0UH	
C107	1-127-736-11	ELECT MELF	10uF 20% 52V	FB103	1-469-365-21	FERRITE 0UH	
C115	1-127-736-11	ELECT MELF	10uF 20% 52V	FB104	1-469-365-21	FERRITE 0UH	
C116	1-163-109-00	CERAMIC CHIP	47PF 5% 50V	FB105	1-469-365-21	FERRITE 0UH	
C117	1-165-319-11	CERAMIC CHIP	0.1uF 50V	< FILTER >			
C118	1-165-319-11	CERAMIC CHIP	0.1uF 50V	FL101	1-517-781-21	INDICATOR TUBE, FLUORESCENT	
C119	1-128-840-11	ELECT	47uF 20% 16V	FL102	1-517-905-11	INDICATOR TUBE, FLUORESCENT	
C120	1-128-840-11	ELECT	47uF 20% 16V	< IC >			
C121	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	IC101	8-759-633-65	IC M54641L	
C122	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	IC102	8-759-640-41	IC BR24C08F-WE2	
C123	1-163-275-11	CERAMIC CHIP	0.001uF 5% 50V	IC103	8-759-655-95	IC HD64F2134FA20-777D	
C124	1-163-275-11	CERAMIC CHIP	0.001uF 5% 50V	IC107	8-759-642-81	IC MSM9202-11GS-KDR1	
C125	1-163-275-11	CERAMIC CHIP	0.001uF 5% 50V	IC108	8-759-075-35	IC TD62C950RF	
C126	1-163-275-11	CERAMIC CHIP	0.001uF 5% 50V	IC109	8-759-999-53	IC MSC1164GS-K	
C127	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	IC111	8-759-035-93	IC SC7S32F	
C128	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	< TRANSISTOR >			
C129	1-165-319-11	CERAMIC CHIP	0.1uF 50V	Q101	8-729-422-38	TRANSISTOR 2SB709A-S	
C130	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	Q102	8-729-422-38	TRANSISTOR 2SB709A-S	
C131	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	Q103	8-729-422-38	TRANSISTOR 2SB709A-S	
C133	1-163-259-91	CERAMIC CHIP	220PF 5% 50V	Q104	8-729-422-38	TRANSISTOR 2SB709A-S	
C134	1-163-259-91	CERAMIC CHIP	220PF 5% 50V	Q105	8-729-230-49	TRANSISTOR 2SC2712-YG	
C135	1-163-259-91	CERAMIC CHIP	220PF 5% 50V	Q106	8-729-230-49	TRANSISTOR 2SC2712-YG	
C136	1-163-259-91	CERAMIC CHIP	220PF 5% 50V	Q107	8-729-230-49	TRANSISTOR 2SC2712-YG	
C137	1-126-916-11	ELECT	1000uF 20% 6.3V	Q108	8-729-230-49	TRANSISTOR 2SC2712-YG	
C138	1-126-916-11	ELECT	1000uF 20% 6.3V	Q112	8-729-424-18	TRANSISTOR UN2113-TX	
C139	1-126-916-11	ELECT	1000uF 20% 6.3V	< RESISTOR >			
C140	1-126-916-11	ELECT	1000uF 20% 6.3V	R101	1-208-462-41	RES-CHIP 10K 2% 1/10W	
C146	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R105	1-208-462-41	RES-CHIP 10K 2% 1/10W	
C147	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R111	1-216-380-11	METAL OXIDE 8.2 5% 2W	
C148	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R118	1-218-776-11	METAL CHIP 1M 0.5% 1/10W	
C149	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R120	1-208-445-41	RES-CHIP 2.2K 2% 1/10W	
C150	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R121	1-208-445-41	RES-CHIP 2.2K 2% 1/10W	
C151	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R122	1-208-445-41	RES-CHIP 2.2K 2% 1/10W	
C152	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R123	1-208-445-41	RES-CHIP 2.2K 2% 1/10W	
C153	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R125	1-216-635-11	METAL CHIP 220 0.5% 1/10W	
C154	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R126	1-216-619-11	METAL CHIP 47 0.5% 1/10W	
C155	1-165-319-11	CERAMIC CHIP	0.1uF 50V	R127	1-216-619-11	METAL CHIP 47 0.5% 1/10W	
C158	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	R128	1-216-298-00	METAL CHIP 2.2 5% 1/10W	
C495	1-163-101-00	CERAMIC CHIP	22PF 5% 50V	R129	1-216-298-00	METAL CHIP 2.2 5% 1/10W	
< CONNECTOR >				R136	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	
* CN101	1-564-520-11	PLUG, CONNECTOR 5P		R138	1-208-462-41	RES-CHIP 10K 2% 1/10W	
* CN102	1-568-946-11	PIN, CONNECTOR 8P		R139	1-208-462-41	RES-CHIP 10K 2% 1/10W	
* CN103	1-568-941-11	PIN, CONNECTOR 3P		R140	1-208-462-41	RES-CHIP 10K 2% 1/10W	
CN104	1-506-481-11	PIN, CONNECTOR 2P		R141	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
* CN105	1-564-517-11	PLUG, CONNECTOR 2P		R142	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
CN106	1-691-644-11	SOCKET, CONNECTOR 7P		R143	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
CN107	1-770-636-11	CONNECTOR, FFC/FPC 5P		R144	1-208-462-41	RES-CHIP 10K 2% 1/10W	
CN110	1-784-792-11	CONNECTOR, FFC 31P		R145	1-208-445-41	RES-CHIP 2.2K 2% 1/10W	
* CN118	1-568-944-11	PIN, CONNECTOR 6P		R146	1-216-655-11	METAL CHIP 1.5K 0.5% 1/10W	
< DIODE >				R147	1-208-462-41	RES-CHIP 10K 2% 1/10W	
D102	8-719-105-82	DIODE RD5.1M-B2		R148	1-216-655-11	METAL CHIP 1.5K 0.5% 1/10W	
D111	8-719-820-05	DIODE 1SS181					
D112	8-719-820-05	DIODE 1SS181					

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
R276	1-216-627-11	METAL CHIP	100	0.5%	1/10W		C2346	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	
R277	1-216-627-11	METAL CHIP	100	0.5%	1/10W		C2352	1-102-121-00	CERAMIC	2200PF	10%	50V	
R278	1-216-627-11	METAL CHIP	100	0.5%	1/10W		C2353	1-102-121-00	CERAMIC	2200PF	10%	50V	
R279	1-216-627-11	METAL CHIP	100	0.5%	1/10W		C2354	1-107-504-11	CERAMIC	10PF	0.5PF	500V	
R280	1-216-627-11	METAL CHIP	100	0.5%	1/10W		C2355	1-119-820-11	ELECT	1uF	20%	50V	
R281	1-216-627-11	METAL CHIP	100	0.5%	1/10W		C2356	1-128-858-11	ELECT	22uF	20%	50V	
R282	1-216-627-11	METAL CHIP	100	0.5%	1/10W		C2361	1-128-858-11	ELECT	22uF	20%	50V	
R283	1-216-627-11	METAL CHIP	100	0.5%	1/10W		C2362	1-128-858-11	ELECT	22uF	20%	50V	
R287	1-216-627-11	METAL CHIP	100	0.5%	1/10W		C2400	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	
							C2401	1-128-858-11	ELECT	22uF	20%	50V	
< SWITCH >													
S118	1-762-875-21	SWITCH, KEYBOARD(TUNER PRESET-)					C2402	1-128-858-11	ELECT	22uF	20%	50V	
S119	1-762-875-21	SWITCH, KEYBOARD(SOUND FIELD PRESET-)					C2403	1-128-858-11	ELECT	22uF	20%	50V	
S120	1-762-875-21	SWITCH, KEYBOARD(MODE-)					C2404	1-107-504-11	CERAMIC	10PF	0.5PF	500V	
S121	1-762-875-21	SWITCH, KEYBOARD(MEMORY)					C2405	1-119-820-11	ELECT	1uF	20%	50V	
S122	1-762-875-21	SWITCH, KEYBOARD(FM/AM)					C2406	1-128-858-11	ELECT	22uF	20%	50V	
							C2411	1-128-858-11	ELECT	22uF	20%	50V	
S123	1-762-875-21	SWITCH, KEYBOARD(TUNER PRESET+)					C2412	1-128-858-11	ELECT	22uF	20%	50V	
S124	1-762-875-21	SWITCH, KEYBOARD(SOUND FIELD PRESET+)					C2413	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
S125	1-762-875-21	SWITCH, KEYBOARD(A.F.D)					C2414	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
S126	1-762-875-21	SWITCH, KEYBOARD(MODE+)					C2415	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
S127	1-762-875-21	SWITCH, KEYBOARD(2 CH)											
							C2451	1-128-860-11	ELECT	47uF	20%	50V	
S128	1-762-875-21	SWITCH, KEYBOARD(ANALOG DIRECT)					C2452	1-128-858-11	ELECT	22uF	20%	50V	
S129	1-762-875-21	SWITCH, KEYBOARD(EQ BANK)					C2453	1-128-858-11	ELECT	22uF	20%	50V	
S130	1-762-875-21	SWITCH, KEYBOARD(5.1CH INPUT)					C2454	1-107-504-11	CERAMIC	10PF	0.5PF	500V	
							C2455	1-119-820-11	ELECT	1uF	20%	50V	
< VIBRATOR >													
X101	1-781-088-21	VIBRATOR, CERAMIC (20 MHz)					C2456	1-128-858-11	ELECT	22uF	20%	50V	
*****							C2457	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C2458	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C2459	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
A-4426-459-A							C2462	1-128-858-11	ELECT	22uF	20%	50V	
E VOL BOARD, COMPLETE													

< BUS BAR >													
BB2001	1-568-129-11	BAR, BUS 8P					C2500	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	
							C2501	1-128-858-11	ELECT	22uF	20%	50V	
							C2502	1-128-858-11	ELECT	22uF	20%	50V	
							C2503	1-128-858-11	ELECT	22uF	20%	50V	
							C2504	1-107-504-11	CERAMIC	10PF	0.5PF	500V	
< CAPACITOR >													
C1103	1-128-858-11	ELECT	22uF	20%	50V		C2505	1-119-820-11	ELECT	1uF	20%	50V	
C1104	1-128-858-11	ELECT	22uF	20%	50V		C2506	1-128-858-11	ELECT	22uF	20%	50V	
C1153	1-128-858-11	ELECT	22uF	20%	50V		C2511	1-128-858-11	ELECT	22uF	20%	50V	
C1154	1-128-858-11	ELECT	22uF	20%	50V		C2512	1-128-858-11	ELECT	22uF	20%	50V	
C2301	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C2513	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	
							C3151	1-119-824-11	ELECT MELF	10uF	20%	50V	
							C3152	1-119-824-11	ELECT MELF	10uF	20%	50V	
							C3153	1-137-504-11	MYLAR	150PF	5%	50V	
							C3154	1-137-504-11	MYLAR	150PF	5%	50V	

Ref. No.	Part No.	Description	Remarks
C3155	1-119-824-11	ELECT MELF 10uF 20% 50V	
C3156	1-136-165-00	MYLAR 0.1uF 5% 50V	
C3207	1-136-165-00	MYLAR 0.1uF 5% 50V	
C3208	1-136-165-00	MYLAR 0.1uF 5% 50V	
C3210	1-127-726-51	ELECT MELF 470uF 20% 25V	
C3260	1-127-726-51	ELECT MELF 470uF 20% 25V	
C3307	1-136-165-00	MYLAR 0.1uF 5% 50V	
C3308	1-136-165-00	MYLAR 0.1uF 5% 50V	
C3310	1-119-827-11	ELECT MELF 100uF 20% 25V	
C3311	1-119-804-21	ELECT 1000uF 20% 25V	
C3312	1-119-804-21	ELECT 1000uF 20% 25V	
C3357	1-136-165-00	MYLAR 0.1uF 5% 50V	
C3358	1-136-165-00	MYLAR 0.1uF 5% 50V	
C3360	1-119-827-11	ELECT MELF 100uF 20% 25V	
C3361	1-119-804-21	ELECT 1000uF 20% 25V	
C3362	1-119-804-21	ELECT 1000uF 20% 25V	
C3409	1-127-726-51	ELECT MELF 470uF 20% 25V	
C3457	1-136-165-00	MYLAR 0.1uF 5% 50V	
C3458	1-136-165-00	MYLAR 0.1uF 5% 50V	
C3459	1-127-726-51	ELECT MELF 470uF 20% 25V	
< CONNECTOR >			
CN2001	1-691-768-11	PLUG (MICRO CONNECTOR) 6P	
CN2002	1-691-771-11	PLUG (MICRO CONNECTOR) 9P	
CN2004	1-691-765-21	PLUG (MICRO CONNECTOR) 3P	
CN2005	1-779-768-11	SOCKET, CONNECTOR 29P	
CN2006	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
* CN2007	1-564-512-11	PLUG, CONNECTOR 9P	
* CN2008	1-564-507-11	PLUG, CONNECTOR 4P	
CN2010	1-691-765-21	PLUG (MICRO CONNECTOR) 3P	
CN2011	1-691-765-21	PLUG (MICRO CONNECTOR) 3P	
CN2012	1-691-765-31	PLUG (MICRO CONNECTOR) 3P	
CN2013	1-691-765-31	PLUG (MICRO CONNECTOR) 3P	
CN2014	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
CN2015	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
< DIODE >			
D2301	8-719-016-74	DIODE 1SS352	
D2302	8-719-820-05	DIODE 1SS181	
D2312	8-719-016-74	DIODE 1SS352	
D2313	8-719-016-74	DIODE 1SS352	
D2314	8-719-016-74	DIODE 1SS352	
D2362	8-719-016-74	DIODE 1SS352	
D2363	8-719-016-74	DIODE 1SS352	
D2364	8-719-016-74	DIODE 1SS352	
D2402	8-719-820-05	DIODE 1SS181	
D2412	8-719-016-74	DIODE 1SS352	
D2413	8-719-016-74	DIODE 1SS352	
D2414	8-719-016-74	DIODE 1SS352	
D2452	8-719-016-74	DIODE 1SS352	
D2453	8-719-016-74	DIODE 1SS352	
D2454	8-719-016-74	DIODE 1SS352	
D2502	8-719-820-05	DIODE 1SS181	
D2512	8-719-016-74	DIODE 1SS352	
D2513	8-719-016-74	DIODE 1SS352	
D2514	8-719-016-74	DIODE 1SS352	
D2562	8-719-016-74	DIODE 1SS352	

Ref. No.	Part No.	Description	Remarks
D2563	8-719-016-74	DIODE 1SS352	
D2564	8-719-016-74	DIODE 1SS352	
D2601	8-719-820-05	DIODE 1SS181	
< IC >			
IC1104	8-759-711-85	IC NJM4580E-D	
IC2301	8-759-711-85	IC NJM4580E-D	
IC2302	8-759-711-85	IC NJM4580E-D	
IC2304	8-759-711-85	IC NJM4580E-D	
IC2305	8-759-655-98	IC TC9162AN	
IC2306	8-759-204-29	IC TC9163N	
IC2307	8-759-032-59	IC MC74HC595AF	
IC2308	8-759-032-59	IC MC74HC595AF	
IC2309	8-759-433-92	IC TC7W14F-TE12L	
IC2401	8-759-534-63	IC TC9299P	
IC2402	8-759-711-85	IC NJM4580E-D	
IC2403	8-759-711-85	IC NJM4580E-D	
IC2404	8-759-711-85	IC NJM4580E-D	
IC2405	8-759-711-85	IC NJM4580E-D	
IC2501	8-759-534-63	IC TC9299P	
IC2502	8-759-711-85	IC NJM4580E-D	
IC2503	8-759-711-85	IC NJM4580E-D	
IC2504	8-759-711-85	IC NJM4580E-D	
IC2505	8-759-711-85	IC NJM4580E-D	
IC2601	8-759-711-85	IC NJM4580E-D	
IC2602	8-759-711-85	IC NJM4580E-D	
IC2603	8-759-711-85	IC NJM4580E-D	
IC3105	8-759-604-35	IC M5F78M05L	
IC3205	8-759-231-59	IC TA7815S	
IC3305	8-759-604-40	IC M5F78M15	
IC3306	8-759-604-46	IC M5F79M15	
IC3455	8-759-245-87	IC TA7915S	
< TRANSISTOR >			
Q2301	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q2302	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q2303	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q2304	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q2305	8-729-424-08	TRANSISTOR UN2111	
Q2306	8-729-421-19	TRANSISTOR UN2213	
Q2307	8-729-424-08	TRANSISTOR UN2111	
Q2308	8-729-421-19	TRANSISTOR UN2213	
Q2310	8-729-424-08	TRANSISTOR UN2111	
Q2311	8-729-421-19	TRANSISTOR UN2213	
Q2312	8-729-424-08	TRANSISTOR UN2111	
Q2313	8-729-421-19	TRANSISTOR UN2213	
Q2314	8-729-424-08	TRANSISTOR UN2111	
Q2315	8-729-421-19	TRANSISTOR UN2213	
Q2351	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q2352	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q2353	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q2354	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q2401	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q2402	8-729-107-46	TRANSISTOR 2SC3624A-L15	

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
Q2403	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2313	1-208-453-41	RES-CHIP 4.7K 2%	1/10W
Q2404	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2314	1-208-453-41	RES-CHIP 4.7K 2%	1/10W
Q2410	8-729-424-08	TRANSISTOR UN2111		R2315	1-216-254-00	CARBON MELF 220K 2%	1/8W
Q2411	8-729-421-19	TRANSISTOR UN2213		R2316	1-216-254-00	CARBON MELF 220K 2%	1/8W
Q2412	8-729-424-08	TRANSISTOR UN2111		R2317	1-260-010-11	CARBON MELF 15K 2%	1/8W
Q2413	8-729-421-19	TRANSISTOR UN2213		R2318	1-260-020-11	CARBON MELF 100K 2%	1/8W
Q2414	8-729-424-08	TRANSISTOR UN2111		R2319	1-260-008-11	CARBON MELF 10K 2%	1/8W
Q2415	8-729-421-19	TRANSISTOR UN2213		R2320	1-260-008-11	CARBON MELF 10K 2%	1/8W
Q2451	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2321	1-208-437-41	RES-CHIP 1K 2%	1/10W
Q2452	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2322	1-208-437-41	RES-CHIP 1K 2%	1/10W
Q2453	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2323	1-208-437-41	RES-CHIP 1K 2%	1/10W
Q2454	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2324	1-260-010-11	CARBON MELF 15K 2%	1/8W
Q2460	8-729-424-08	TRANSISTOR UN2111		R2325	1-260-010-11	CARBON MELF 15K 2%	1/8W
Q2461	8-729-421-19	TRANSISTOR UN2213		R2326	1-249-427-11	CARBON 6.8K 5%	1/4W F
Q2462	8-729-424-08	TRANSISTOR UN2111		R2327	1-216-254-00	CARBON MELF 220K 2%	1/8W
Q2463	8-729-421-19	TRANSISTOR UN2213		R2328	1-208-437-41	RES-CHIP 1K 2%	1/10W
Q2464	8-729-424-08	TRANSISTOR UN2111		R2329	1-208-437-41	RES-CHIP 1K 2%	1/10W
Q2465	8-729-421-19	TRANSISTOR UN2213		R2330	1-259-995-11	CARBON MELF 1K 2%	1/8W
Q2501	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2331	1-208-453-41	RES-CHIP 4.7K 2%	1/10W
Q2502	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2332	1-216-699-11	METAL CHIP 100K 0.5%	1/10W
Q2503	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2333	1-216-635-11	METAL CHIP 220 0.5%	1/10W
Q2504	8-729-107-46	TRANSISTOR 2SC3624A-L15		R2334	1-208-437-41	RES-CHIP 1K 2%	1/10W
Q2510	8-729-424-08	TRANSISTOR UN2111		R2335	1-208-437-41	RES-CHIP 1K 2%	1/10W
Q2511	8-729-421-19	TRANSISTOR UN2213		R2336	1-260-012-11	CARBON MELF 22K 2%	1/8W
Q2512	8-729-424-08	TRANSISTOR UN2111		R2337	1-260-013-11	CARBON MELF 27K 2%	1/8W
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
				R2400	1-208-437-41	RES-CHIP 1K 2%	1/10W
				R2401	1-216-254-00	CARBON MELF 220K 2%	1/8W

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
R2402	1-216-254-00	CARBON MELF	220K	2%	1/8W	R2501	1-216-254-00	CARBON MELF	220K	2%	1/8W
R2403	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2502	1-216-254-00	CARBON MELF	220K	2%	1/8W
R2404	1-259-983-11	CARBON MELF	100	2%	1/8W	R2503	1-259-995-11	CARBON MELF	1K	2%	1/8W
R2405	1-260-026-11	CARBON MELF	330K	2%	1/8W	R2504	1-259-983-11	CARBON MELF	100	2%	1/8W
R2406	1-259-929-11	CARBON MELF	3.6K	2%	1/8W	R2505	1-260-026-11	CARBON MELF	330K	2%	1/8W
R2407	1-260-002-11	CARBON MELF	3.3K	2%	1/8W	R2506	1-259-929-11	CARBON MELF	3.6K	2%	1/8W
R2408	1-260-008-11	CARBON MELF	10K	2%	1/8W	R2507	1-260-002-11	CARBON MELF	3.3K	2%	1/8W
R2409	1-259-998-11	CARBON MELF	1.8K	2%	1/8W	R2508	1-260-008-11	CARBON MELF	10K	2%	1/8W
R2410	1-259-925-11	CARBON MELF	1.6K	2%	1/8W	R2509	1-259-998-11	CARBON MELF	1.8K	2%	1/8W
R2411	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2510	1-259-925-11	CARBON MELF	1.6K	2%	1/8W
R2412	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R2511	1-259-995-11	CARBON MELF	1K	2%	1/8W
R2413	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R2512	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2414	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R2513	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2415	1-260-020-11	CARBON MELF	100K	2%	1/10W	R2514	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2419	1-260-008-11	CARBON MELF	10K	2%	1/8W	R2515	1-260-020-11	CARBON MELF	100K	2%	1/8W
R2420	1-260-008-11	CARBON MELF	10K	2%	1/8W	R2519	1-260-008-11	CARBON MELF	10K	2%	1/8W
R2421	1-216-254-00	CARBON MELF	220K	2%	1/8W	R2520	1-260-008-11	CARBON MELF	10K	2%	1/8W
R2424	1-216-254-00	CARBON MELF	220K	2%	1/8W	R2521	1-216-254-00	CARBON MELF	220K	2%	1/8W
R2425	1-208-437-41	RES-CHIP	1K	2%	1/10W	R2524	1-216-254-00	CARBON MELF	220K	2%	1/8W
R2426	1-208-437-41	RES-CHIP	1K	2%	1/10W	R2525	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2427	1-208-437-41	RES-CHIP	1K	2%	1/10W	R2526	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2430	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2527	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2431	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R2530	1-259-995-11	CARBON MELF	1K	2%	1/8W
R2441	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R2531	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2443	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R2541	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2445	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R2543	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2446	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2545	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2447	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2546	1-259-995-11	CARBON MELF	1K	2%	1/8W
R2448	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2547	1-259-995-11	CARBON MELF	1K	2%	1/8W
R2449	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2548	1-259-995-11	CARBON MELF	1K	2%	1/8W
R2451	1-260-020-11	CARBON MELF	100K	2%	1/8W	R2549	1-259-995-11	CARBON MELF	1K	2%	1/8W
R2452	1-216-254-00	CARBON MELF	220K	2%	1/8W	R2551	1-216-254-00	CARBON MELF	220K	2%	1/8W
R2453	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2552	1-216-254-00	CARBON MELF	220K	2%	1/8W
R2454	1-259-983-11	CARBON MELF	100	2%	1/8W	R2553	1-259-995-11	CARBON MELF	1K	2%	1/8W
R2455	1-260-026-11	CARBON MELF	330K	2%	1/8W	R2554	1-259-983-11	CARBON MELF	100	2%	1/8W
R2456	1-259-929-11	CARBON MELF	3.6K	2%	1/8W	R2555	1-260-026-11	CARBON MELF	330K	2%	1/8W
R2457	1-260-002-11	CARBON MELF	3.3K	2%	1/8W	R2556	1-259-929-11	CARBON MELF	3.6K	2%	1/8W
R2458	1-260-008-11	CARBON MELF	10K	2%	1/8W	R2557	1-260-002-11	CARBON MELF	3.3K	2%	1/8W
R2459	1-259-998-11	CARBON MELF	1.8K	2%	1/8W	R2558	1-260-008-11	CARBON MELF	10K	2%	1/8W
R2460	1-259-925-11	CARBON MELF	1.6K	2%	1/8W	R2559	1-259-998-11	CARBON MELF	1.8K	2%	1/8W
R2461	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2560	1-259-925-11	CARBON MELF	1.6K	2%	1/8W
R2462	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R2561	1-259-995-11	CARBON MELF	1K	2%	1/8W
R2463	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R2562	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2464	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R2563	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2465	1-260-020-11	CARBON MELF	100K	2%	1/8W	R2564	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2468	1-216-254-00	CARBON MELF	220K	2%	1/8W	R2565	1-260-020-11	CARBON MELF	100K	2%	1/8W
R2469	1-208-437-41	RES-CHIP	1K	2%	1/10W	R2569	1-260-008-11	CARBON MELF	10K	2%	1/8W
R2470	1-208-437-41	RES-CHIP	1K	2%	1/10W	R2570	1-260-008-11	CARBON MELF	10K	2%	1/8W
R2471	1-216-254-00	CARBON MELF	220K	2%	1/8W	R2571	1-216-254-00	CARBON MELF	220K	2%	1/8W
R2474	1-208-437-41	RES-CHIP	1K	2%	1/10W	R2574	1-216-254-00	CARBON MELF	220K	2%	1/8W
R2480	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2580	1-259-995-11	CARBON MELF	1K	2%	1/8W
R2481	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R2581	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2491	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R2601	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R2493	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R2602	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2495	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R2603	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2496	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2651	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R2497	1-259-995-11	CARBON MELF	1K	2%	1/8W	R2652	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2498	1-259-995-11	CARBON MELF	1K	2%	1/8W	R3101	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R2499	1-259-995-11	CARBON MELF	1K	2%	1/8W	R3102	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R2500	1-208-437-41	RES-CHIP	1K	2%	1/10W	R3103	1-260-001-11	CARBON MELF	2.7K	2%	1/8W

E VOL

FUNCTION SW

GEAR

HP

JOG

MOTOR

Ref. No.	Part No.	Description	Remarks
R3104	1-260-003-11	CARBON MELF 3.9K	2% 1/8W
R3105	1-259-979-11	CARBON MELF 47	2% 1/8W
R3106	1-260-001-11	CARBON MELF 2.7K	2% 1/8W
R3107	1-260-003-11	CARBON MELF 3.9K	2% 1/8W
R3108	1-259-979-11	CARBON MELF 47	2% 1/8W
R3151	1-260-004-11	CARBON MELF 4.7K	2% 1/8W
R3152	1-260-004-11	CARBON MELF 4.7K	2% 1/8W
R3153	1-260-001-11	CARBON MELF 2.7K	2% 1/8W
R3154	1-260-003-11	CARBON MELF 3.9K	2% 1/8W
R3155	1-259-979-11	CARBON MELF 47	2% 1/8W
R3156	1-260-001-11	CARBON MELF 2.7K	2% 1/8W
R3157	1-260-003-11	CARBON MELF 3.9K	2% 1/8W
R3158	1-259-979-11	CARBON MELF 47	2% 1/8W
R3161	1-260-008-11	CARBON MELF 10K	2% 1/8W
R3162	1-259-984-11	CARBON MELF 120	2% 1/8W
R3163	1-259-943-11	CARBON MELF 51K	2% 1/8W
R3313	1-208-462-41	RES-CHIP 10K	2% 1/10W
< RELAY >			
RY2301	1-755-294-11	RELAY	

	1-675-066-11	FUNCTION SW BOARD	

< VARIABLE RESISTOR >			
RV102	1-418-589-11	ENCODER, ROTARY(INPUT SELECTOR)	
< SWITCH >			
S111	1-762-875-21	SWITCH, KEYBOARD(DIGITAL/ANALOG)	
S113	1-762-875-21	SWITCH, KEYBOARD(AUDIO SPLIT)	
S115	1-762-875-21	SWITCH, KEYBOARD(OPEN/CLOSE)	

	1-675-092-11	GEAR BOARD	

< CONNECTOR >			
* CN114	1-568-941-11	PIN, CONNECTOR 3P	
< SWITCH >			
S112	1-762-983-11	SWITCH, PUSH(OPEN)	
S114	1-762-984-11	SWITCH, PUSH(CLOSE)	

	1-675-093-11	HP BOARD	

< CAPACITOR >			
C143	1-165-319-11	CERAMIC CHIP 0.1uF	0% 50V
C144	1-163-275-11	CERAMIC CHIP 0.001uF	5% 50V
C145	1-163-275-11	CERAMIC CHIP 0.001uF	5% 50V
C156	1-163-275-11	CERAMIC CHIP 0.001uF	5% 50V
C157	1-163-275-11	CERAMIC CHIP 0.001uF	5% 50V
< CONNECTOR >			
CN115	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	

Ref. No.	Part No.	Description	Remarks
< FERRITE BEAD >			
FB106	1-469-365-21	FERRITE 0UH	
FB107	1-469-365-21	FERRITE 0UH	
< JACK >			
J103	1-580-439-11	JACK, LARGE TYPE(PHONES)	
< RESISTOR >			
R231	1-215-868-00	METAL OXIDE 680	5% 1W
R232	1-215-868-00	METAL OXIDE 680	5% 1W

	1-675-097-11	JOG BOARD	

< CONNECTOR >			
CN109	1-774-739-11	CONNECTOR, FFC/FPC 5P	
< RESISTOR >			
R107	1-208-425-41	RES-CHIP 330	2% 1/10W
R109	1-208-774-11	RES-CHIP 470	2% 1/10W
R110	1-216-647-11	METAL CHIP 680	0.5% 1/10W
R112	1-208-437-41	RES-CHIP 1K	2% 1/10W
R113	1-216-655-11	METAL CHIP 1.5K	0.5% 1/10W
R114	1-208-445-41	RES-CHIP 2.2K	2% 1/10W
R115	1-208-453-41	RES-CHIP 4.7K	2% 1/10W
< VARIABLE RESISTOR >			
RV101	1-418-590-11	ENCODER, ROTARY(JOG DIAL)	
< SWITCH >			
S101	1-771-544-11	SWITCH, TACTILE(ENTER)	
S102	1-771-544-11	SWITCH, TACTILE(>)	
S103	1-771-544-11	SWITCH, TACTILE(<)	
S104	1-771-544-11	SWITCH, TACTILE(LEVEL)	
S105	1-771-544-11	SWITCH, TACTILE(SUR)	
S106	1-771-544-11	SWITCH, TACTILE(EQ)	
S107	1-771-544-11	SWITCH, TACTILE(SET UP)	
S108	1-771-544-11	SWITCH, TACTILE(CUSTOM)	
S109	1-771-544-11	SWITCH, TACTILE(TUNER)	

	1-675-091-11	MOTOR BOARD	

< CAPACITOR >			
C106	1-165-319-11	CERAMIC 0.1UF	0% 50V
< CONNECTOR >			
CN112	1-506-481-11	PIN, CONNECTOR 2P	

Ref. No.	Part No.	Description	Remarks			
	1-676-564-11	PHONO BOARD *****				
		< CAPACITOR >				
C1302	1-119-824-11	ELECT MELF	10uF	20%	50V	
C1303	1-119-823-11	ELECT	4.7uF	20%	50V	
C1304	1-128-832-11	ELECT	220uF	20%	10V	
C1305	1-137-471-11	MYLAR	0.016uF	5%	50V	
C1306	1-136-162-00	MYLAR	0.056uF	5%	50V	
C1307	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C1308	1-119-799-11	ELECT	47uF	20%	25V	
C1309	1-163-125-00	CERAMIC CHIP	220PF	5%	50V	
C1310	1-137-471-11	MYLAR	0.016uF	5%	50V	
C1311	1-136-162-00	MYLAR	0.056uF	5%	50V	
C1312	1-128-832-11	ELECT	220uF	20%	10V	
C1313	1-119-799-11	ELECT	47uF	20%	25V	
C1314	1-163-125-00	CERAMIC CHIP	220PF	5%	50V	
C1315	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C1316	1-119-823-11	ELECT	4.7uF	20%	50V	
C1318	1-119-824-11	ELECT MELF	10uF	20%	50V	
		< CONNECTOR >				
CN1301	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P				
		< IC >				
IC1301	8-759-711-85	IC NJM4580E-D				
		< JACK >				
J1301	1-785-868-21	JACK, PIN 2P (PHONO)				
		< 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	
R1322	1-259-987-11	CARBON MELF	220	2%	1/8W	

A-4426-477-A PS BOARD, COMPLETE(US,CND,E,PX)

Ref. No.	Part No.	Description	Remarks			
	A-4426-479-A	PS BOARD, COMPLETE(MY,SP,AUS,CH) *****				
	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				
		< 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 (MY,SP,AUS,E,PX,CH)				
△ F803	1-533-614-11	FUSE, GLASS CYLINDERICAL 1.6A 125V (US,CND)				
△ F804	1-532-503-51	FUSE, 1.6A 250V(MY,SP,AUS,E,PX,CH)				

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以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remarks
△ F804	1-533-614-11	FUSE, GLASS CYLINDRICAL 1.6A 125V (US,CND)	
△ F805	1-532-465-51	FUSE, TIME LAG 3.15A 250V (MY,SP,AUS,E,PX,CH)	
△ F805	1-533-690-11	FUSE, GLASS CYLINDRICAL(DIA.5)3.15A 125V (US,CND)	
△ F806	1-532-465-51	FUSE, TIME LAG 3.15A 250V (MY,SP,AUS,E,PX,CH)	
△ F806	1-533-690-11	FUSE, GLASS CYLINDRICAL(DIA.5)3.15A 125V (US,CND)	
< 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(US,CND,E,PX)	

A-4426-496-A S VIDEO BOARD, COMPLETE			

< CAPACITOR >			
C5201	1-119-824-11	ELECT MELF 10uF 20% 50V	
C5202	1-119-824-11	ELECT MELF 10uF 20% 50V	
C5203	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C5204	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C5205	1-119-824-11	ELECT MELF 10uF 20% 50V	
C5206	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C5207	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C5208	1-119-824-11	ELECT MELF 10uF 20% 50V	
C5209	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C5210	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C5211	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5212	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5214	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5216	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5218	1-119-824-11	ELECT MELF 10uF 20% 50V	
C5219	1-127-718-91	ELECT MELF 100uF 20% 16V	
C5220	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5221	1-127-718-91	ELECT MELF 100uF 20% 16V	
C5222	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5223	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	

Ref. No.	Part No.	Description	Remarks
C5224	1-127-718-91	ELECT MELF 100uF 20% 16V	
C5225	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5226	1-127-718-91	ELECT MELF 100uF 20% 16V	
C5227	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5228	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5229	1-165-319-11	CERAMIC CHIP 0.1uF 0% 50V	
C5230	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C5231	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C5232	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C5233	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
< CONNECTOR >			
CN5201	1-784-733-11	CONNECTOR, FFC 11P	
* CN5203	1-695-371-31	CONNECTOR, FFC 10P	
CN5204	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
< IC >			
IC5201	8-759-536-24	IC NJM-2296M-TE2	
IC5202	8-759-536-24	IC NJM-2296M-TE2	
IC5203	8-759-032-59	IC MC74HC595AF	
< JACK >			
J5201	1-779-800-11	TERMINAL, S (TV/SAT OUT)	
J5202	1-779-801-11	CONNECTOR (ROUND TYPE)(DVD/LD,VIDEO2)	
J5203	1-779-801-11	CONNECTOR (ROUND TYPE)(VIDEO1)	
J5204	1-779-801-11	CONNECTOR (ROUND TYPE)(MONITOR OUT)	
< COIL >			
L5201	1-500-425-11	FERRITE 0uH	
L5202	1-500-425-11	FERRITE 0uH	
L5203	1-500-425-11	FERRITE 0uH	
L5204	1-500-425-11	FERRITE 0uH	
< RESISTOR >			
R5201	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5202	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5203	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5204	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5205	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5206	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5207	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5208	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5209	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5210	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5211	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5212	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5213	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5214	1-208-755-11	RES-CHIP 75 2% 1/10W	
R5215	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R5216	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R5217	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R5218	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R5219	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	

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SP SEL

SP TM

Ref. No.	Part No.	Description	Remarks			
	1-675-082-11	SP SEL BOARD *****				
< CAPACITOR >						
C111	1-126-926-11	ELECT	1000uF	20%	10V	
C112	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C113	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C114	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C132	1-165-319-11	CERAMIC CHIP	0.1uF	0%	50V	
< CONNECTOR >						
* CN117	1-568-946-11	PIN, CONNECTOR 8P				
< DIODE >						
D103	8-719-075-86	DIODE	SID307BRTP19			
D104	8-719-075-86	DIODE	SID307BRTP19			
D105	8-719-075-86	DIODE	SID307BRTP19			
D106	8-719-075-86	DIODE	SID307BRTP19			
D107	8-719-059-14	DIODE	SID313BP-TP19			
D108	8-719-820-05	DIODE	1SS181			
D109	8-719-820-05	DIODE	1SS181			
D110	8-719-820-05	DIODE	1SS181			
< IC >						
IC106	8-759-242-70	IC	TC7WU04F			
IC110	8-749-014-66	IC	NJL64H400A			
< TRANSISTOR >						
Q109	8-729-901-87	TRANSISTOR	2SC2411K-CQ			
Q110	8-729-901-87	TRANSISTOR	2SC2411K-CQ			
Q111	8-729-901-87	TRANSISTOR	2SC2411K-CQ			
< RESISTOR >						
R134	1-216-134-00	METAL CHIP	2.2	5%	1/8W	
R135	1-216-134-00	METAL CHIP	2.2	5%	1/8W	
R184	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
< SWITCH >						
S116	1-762-875-21	SWITCH, KEYBOARD(I/⏏)				
S117	1-762-268-11	SWITCH, ROTARY(SPEAKER SELECTOR)				

A-4426-469-A SP TM BOARD, COMPLETE(US,CND,E,PX)

A-4426-470-A SP TM BOARD, COMPLETE(MY,SP,AUS,CH)

< CAPACITOR >

C1801	1-137-358-11	MYLAR	0.0001uF	5%	50V	(MY,SP,AUS,CH)
C1802	1-137-358-11	MYLAR	0.0001uF	5%	50V	(MY,SP,AUS,CH)
C1803	1-137-358-11	MYLAR	0.0001uF	5%	50V	(MY,SP,AUS,CH)
C1804	1-137-358-11	MYLAR	0.0001uF	5%	50V	(MY,SP,AUS,CH)
C1805	1-137-358-11	MYLAR	0.0001uF	5%	50V	(MY,SP,AUS,CH)

Ref. No.	Part No.	Description	Remarks		
C1806	1-137-358-11	MYLAR	0.0001uF	5%	50V (MY,SP,AUS,CH)
C4114	1-162-815-11	CERAMIC	47PF	5%	500V (MY,SP,AUS,CH)
C4115	1-162-815-11	CERAMIC	47PF	5%	500V (MY,SP,AUS,CH)
C4116	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C4164	1-162-815-11	CERAMIC	47PF	5%	500V (MY,SP,AUS,CH)
C4165	1-162-815-11	CERAMIC	47PF	5%	500V (MY,SP,AUS,CH)
C4166	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C4214	1-162-815-11	CERAMIC	47PF	5%	500V (MY,SP,AUS,CH)
C4216	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C4314	1-162-815-11	CERAMIC	47PF	5%	500V (MY,SP,AUS,CH)
C4316	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C4364	1-162-815-11	CERAMIC	47PF	5%	500V (MY,SP,AUS,CH)
C4366	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C4701	1-137-358-11	MYLAR	0.0001uF	5%	50V (MY,SP,AUS,CH)
C4702	1-137-358-11	MYLAR	0.0001uF	5%	50V (MY,SP,AUS,CH)
C4703	1-137-358-11	MYLAR	0.0001uF	5%	50V (MY,SP,AUS,CH)
C4751	1-137-358-11	MYLAR	0.0001uF	5%	50V (MY,SP,AUS,CH)
C4752	1-137-358-11	MYLAR	0.0001uF	5%	50V (MY,SP,AUS,CH)
C4753	1-137-358-11	MYLAR	0.0001uF	5%	50V (MY,SP,AUS,CH)
< 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			
< 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		

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
< RESISTOR >						< RELAY >					
R1801	1-259-995-11	CARBON MELF	1K	2%	1/8W	RY4401	1-515-920-11	RELAY (24V)			
R1802	1-259-995-11	CARBON MELF	1K	2%	1/8W	RY4451	1-515-920-11	RELAY (24V)			
R1803	1-259-995-11	CARBON MELF	1K	2%	1/8W	RY4501	1-515-920-11	RELAY (24V)			
R1804	1-259-995-11	CARBON MELF	1K	2%	1/8W	RY4551	1-755-295-11	RELAY			
R1805	1-259-995-11	CARBON MELF	1K	2%	1/8W	RY4601	1-515-920-11	RELAY (24V)			
						< TERMINAL >					
R1806	1-259-995-11	CARBON MELF	1K	2%	1/8W	TM4401	1-694-430-21	TERMINAL BOARD (SP)(SPEAKERS FRONT)			
R4121	1-249-389-11	CARBON	4.7	5%	1/4W F	TM4501	1-694-431-21	TERMINAL BOARD (SP)			
R4122	1-249-393-11	CARBON	10	5%	1/4W F	(SPEAKERS REAR/CENTER)					

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						
						< CAPACITOR >					
R4173	1-249-393-11	CARBON	10	5%	1/4W F	C103	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R4174	1-260-009-11	CARBON MELF	12K	2%	1/8W	C104	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R4175	1-260-009-11	CARBON MELF	12K	2%	1/8W	C141	1-165-319-11	CERAMIC CHIP	0.1uF	0%	50V
R4221	1-249-389-11	CARBON	4.7	5%	1/4W F	C142	1-165-319-11	CERAMIC CHIP	0.1uF	0%	50V
R4222	1-249-393-11	CARBON	10	5%	1/4W F						
						< CONNECTOR >					
R4321	1-249-389-11	CARBON	4.7	5%	1/4W F	CN108	1-568-826-11	CONNECTOR, FFC 7P			
R4322	1-249-393-11	CARBON	10	5%	1/4W F	* CN120	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
						< TERMINAL >					
R4371	1-249-389-11	CARBON	4.7	5%	1/4W F	EB101	1-537-770-21	TERMINAL BOARD, GROUND			
R4372	1-249-393-11	CARBON	10	5%	1/4W F						
						< JACK >					
R4401	1-215-869-11	METAL OXIDE	1K	5%	1W	J101	1-793-643-11	JACK, PIN (BLOCK) (L TYPE) 3P(VIDEO/AUDIO)			
R4402	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	J102	1-784-808-11	TERMINAL, S(S VIDEO)			
R4403	1-208-462-41	RES-CHIP	10K	2%	1/10W						
						< RESISTOR >					
R4451	1-215-869-11	METAL OXIDE	1K	5%	1W	R102	1-208-755-11	RES-CHIP	75	2%	1/10W
R4452	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R103	1-208-755-11	RES-CHIP	75	2%	1/10W
R4453	1-208-462-41	RES-CHIP	10K	2%	1/10W	R104	1-208-755-11	RES-CHIP	75	2%	1/10W
R4501	1-215-869-11	METAL OXIDE	1K	5%	1W	R106	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R4502	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R108	1-216-627-11	METAL CHIP	100	0.5%	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						
						< CONNECTOR >					
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	CNP905	1-568-106-11	PIN, CONNECTOR 4P(E,PX)			
						< SWITCH >					
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						

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VOLUME

Ref. No.	Part No.	Description	Remarks		
	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			
		< 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)			

Ref. No.	Part No.	Description	Remarks
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	1-559-479-11	CORD, POWER(US,CND)	
△ 167	1-776-095-11	CORD, POWER(MY,SP,AUS,E,PX)	
△ 167	1-782-464-21	CORD, POWER(CH)	
172	1-773-002-11	WIRE (FLAT TYPE) (15 CORE)	
△ 173	1-569-008-21	ADAPTOR, CONVERSION 2P(E,PX)	
FL101	1-517-781-21	INDICATOR TUBE, FLUORESCENT	
FL102	1-517-905-11	INDICATOR TUBE, FLUORESCENT	
△ T901	1-435-094-11	TRANSFORMER, POWER(US)	
△ T901	1-435-095-11	TRANSFORMER, POWER(E,PX)	
△ T901	1-435-096-11	TRANSFORMER, POWER(MY,SP,AUS,CH)	
△ T901	1-435-251-11	TRANSFORMER, POWER(CND)	
TM1401	1-693-407-23	TUNER(US,CND,E,PX)	
TM1401	1-693-409-23	TUNER(MY,SP,AUS,CH)	

ACCESSORIES & PACKING MATERIALS *****			
1-418-606-11		REMOTE COMMANDER(RM-TP503)	
1-501-374-11		ANTENNA, LOOP	
1-501-594-11		ANTENNA (FM)(MY,SP,AUS,CH)	
1-776-258-11		CORD, AVC CONNECTION(US,CND)	
1-777-172-11		CORD, CONNECTION(US,CND)	
1-793-184-21		CONNECTOR (F TYPE ADAPTOR)(US,CND,E,PX)	
3-866-967-11		MANUAL, INSTRUCTION(ENGLISH)(US,CND)	
3-866-967-21		MANUAL, INSTRUCTION(FRENCH)(CND)	
3-866-967-31		MANUAL, INSTRUCTION(ENGLISH/CHINESE) (CH)	
3-866-967-71		MANUAL, INSTRUCTION(ENGLISH/FRENCH/ SPANISH/CHINESE)(MY,SP,AUS,E,PX)	
3-867-704-11		MANUAL (RM-TP503), INSTRUCTION (ENGLISH/FRENCH/SPANISH/PORTUGUESE)	
3-867-704-21		MANUAL (RM-TP503), INSTRUCTION (CHINESE)(MY,SP,AUS,CH)	
4-997-648-11		COVER, BATTERY(FOR RM-TP503)	

HARDWARE LIST *****			
#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	

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

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

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。