

TA-V606/VE610

SERVICE MANUAL

AEP Model
UK Model
E Model

TA-VE610

Chinese Model
TA-V606



Photo : TA-VE610

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SPECIFICATIONS

Amplifier section

POWER OUTPUT

Stereo mode	V606 : (6 ohms 1kHz, THD 0.7 %) 110 W + 110W
	VE610 : (4 ohms 1kHz, THD 0.7 %) 100 W + 100W
Surround mode	V606 : (6 ohms at 1kHz, THD 0.7 %) Front : 110 W/ch Center* : 110 W Rear* : 110 W/ch
	VE610 : (4 ohms at 1kHz, THD 0.7 %) Front : 100 W/ch Center* : 100 W Rear* : 100 W/ch
*Depending on the sound field settings and the source, sound will not be output.	
5.1 mode	V606 : (6 ohms at 1kHz, THD 0.7 %) Front : 110 W/ch Center : 110 W Rear : 110 W/ch
	VE610 : (4 ohms at 1kHz, THD 0.7 %) Front : 100 W/ch Center : 100 W Rear : 100 W/ch
Harmonic distortion at rated output	
Less than 0.09% (with DIRECT PASS on)	
Frequency responses	PHONO : RIAA equalization curve ± 0.5dB
	CD, TAPE, DAT/MD, VIDEO 1, 2 : 10Hz – 50 kHz ± 1 dB (with DIRECT PASS on)

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO	2.5mV	50 kilohms	75 dB* (A, 2.5mV)
TUNER	150mV	50 kilohms	82 dB* (A, 150mV)
CD	200mV	50 kilohms	82 dB* (A, 200mV)
TAPE/MD, VIDEO1, 2, 3	150mV	50 kilohms	82 dB* (A, 150mV)
TV/LD (AEP, UK model)	150mV		82 dB* (A, 250mV)
TV/LD (EXCEPT AEP, UK model)	250mV	50 kilohms	82 dB* (A, 250mV)
5.1 INPUT	200mV	50 kilohms	82 dB* (A, 200mV)

* '78 IHF

Outputs

VIDEO 1, 2, 3, AUDIO OUT :
Voltage : 150 mV, Impedance : 10 kilohms
WOOFER :
Voltage : 2 V
Impedance : 1 kilohms
PHONES :
Accepts low and high impedance headphones
+10 dB at 70 Hz
± 8 dB at 100Hz and 10 kHz

BASS BOOST
TONE

– Continued on page 2 –

INTEGRATED AV AMPLIFIER



SONY®

Video section

Inputs	1 Vp-p 75 ohms
Outputs	1 Vp-p 75 ohms

General

System	Preamplifier section : Low-noise NF type equalizer Power amplifier section : Pure-complementary SEPP
Power requirements	AEP, Singapore, Malaysia model : 230 V AC, 50/60Hz UK model : 240 V AC, 50/60Hz Chinese model : 220 V AC, 50/60Hz 240W
Power consumption	EXCEPT Chinese model :
AC outlets	1 switched, maximum 100W Chinese model : 2 switched, total 100 W
Dimensions	430 x 155 x 350 mm including projecting parts and controls
Mass (Approx.)	9.8 kg
Supplied accessories	Remote commander (remote) RM-U501 (1) Size AA (R6) batteries (2)

Design and specifications are subject to change without notice.

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SAFETY-RELATED COMPONENT WARNING!!

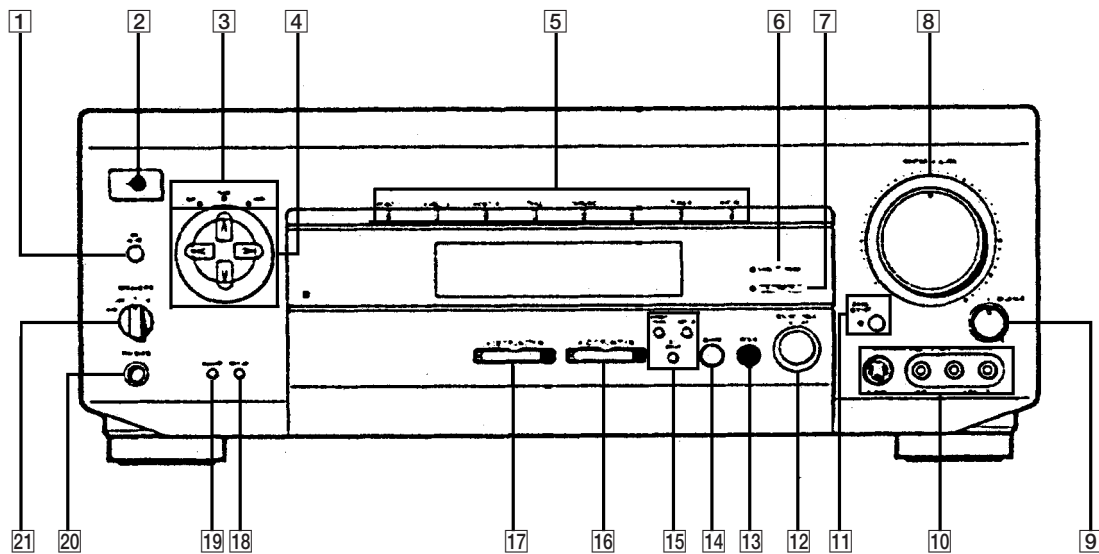
COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL

This section is extracted from instruction manual.

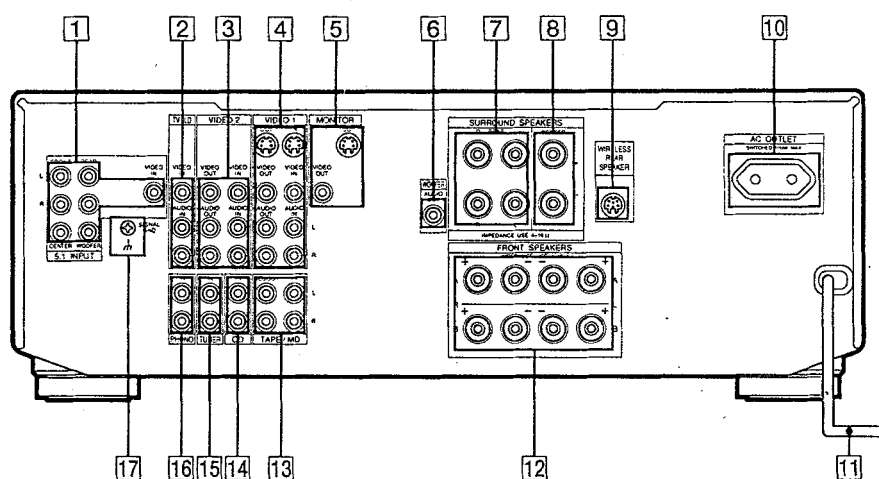
LOCATION AND FUNCTION OF CONTROLS

[FRONT PANEL]



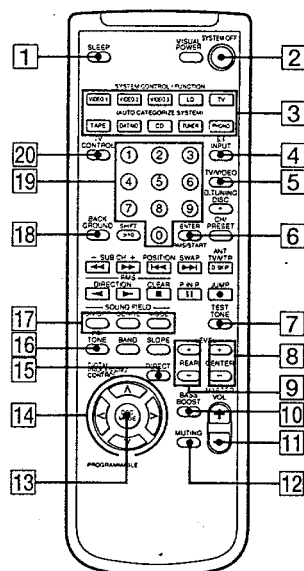
- | | |
|--------------------------------------|---|
| 1 DPC MODE button | 12 SOUND FIELD ON/OFF button |
| 2 POWER switch | 13 MODE button |
| 3 SUR, TONE, INDEX indicators | 14 GENRE button |
| 4 Digital processing control buttons | 15 DIRECT PASS, SET UP, 5.1/DVD INPUT buttons |
| 5 Function indicators | 16 AUDIO FUNCTION buttons |
| 6 DIRECT PASS indicator | 17 VIDEO FUNCTION buttons |
| 7 5.1 INPUT indicator | 18 DISPLAY button |
| 8 MASTER VOLUME control | 19 DIMMER button |
| 9 BALANCE control | 20 PHONES jack |
| 10 VIDEO 3 INPUT jacks | 21 SPEAKERS switch |
| 11 BASS BOOST button/indicator | |

[REAR PANEL]



- | | | | |
|---|----------------------------|----|---|
| 1 | 5.1 INPUT | 10 | AC OUTLET |
| 2 | TV/LD | | (Outlet shape and position varies according to destination) |
| 3 | VIDEO 2 | 11 | AC power cord |
| 4 | VIDEO 1 | 12 | FRONT SPEAKERS (A/B) |
| 5 | MONITOR | 13 | TAPE/MD |
| 6 | WOOFER | 14 | CD |
| 7 | SURROUND SPEAKERS (REAR) | 15 | TUNER |
| 8 | SURROUND SPEAKERS (CENTER) | 16 | PHONO |
| 9 | WIRELESS REAR SPEAKER | 17 | ⏏ SIGNAL GND |

[REMOTE]



- | | | | |
|----|-------------------------|----|-------------------------------|
| 1 | SLEEP | 11 | MASTER VOL +/- |
| 2 | SYSTEM OFF | 12 | MUTING |
| 3 | SYSTEM CONTROL/FUNCTION | 13 | DPC MODE |
| 4 | 5.1 INPUT | 14 | DIGITAL PROCESSING CONTROL |
| 5 | TV/VIDEO | 15 | DIRECT |
| 6 | ENTER | 16 | EQ/TONE |
| 7 | TEST TONE | 17 | SOUND FIELD ON/OFF/GENRE/MODE |
| 8 | CENTER LEVEL +/- | 18 | BACKGROUND |
| 9 | REAR LEVEL +/- | 19 | Numeric buttons |
| 10 | BASS BOOST | 20 | TV CONTROL ON |

SECTION 2 DIAGRAMS

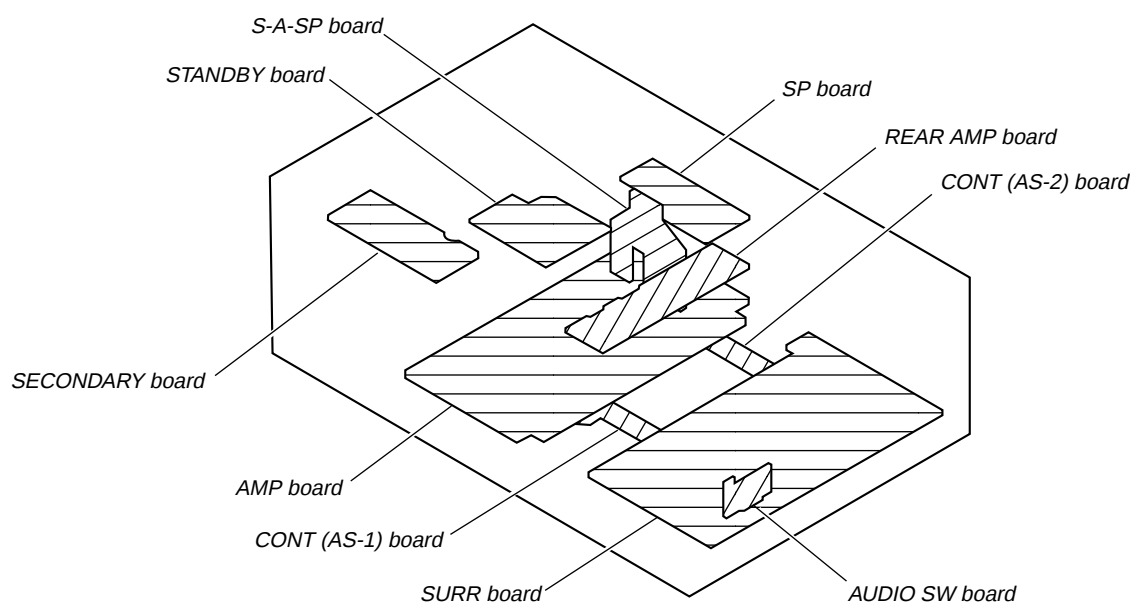
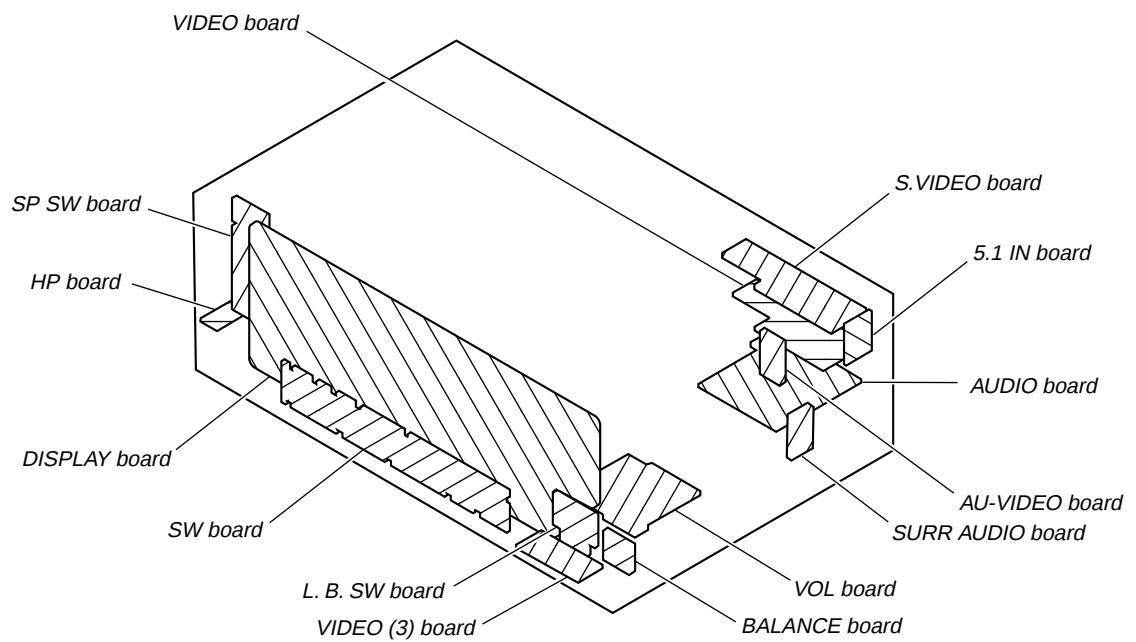
2-1. IC PIN FUNCTION

IC103 μ PD780205GF-032-3BA (SYSTEM CONTROL)

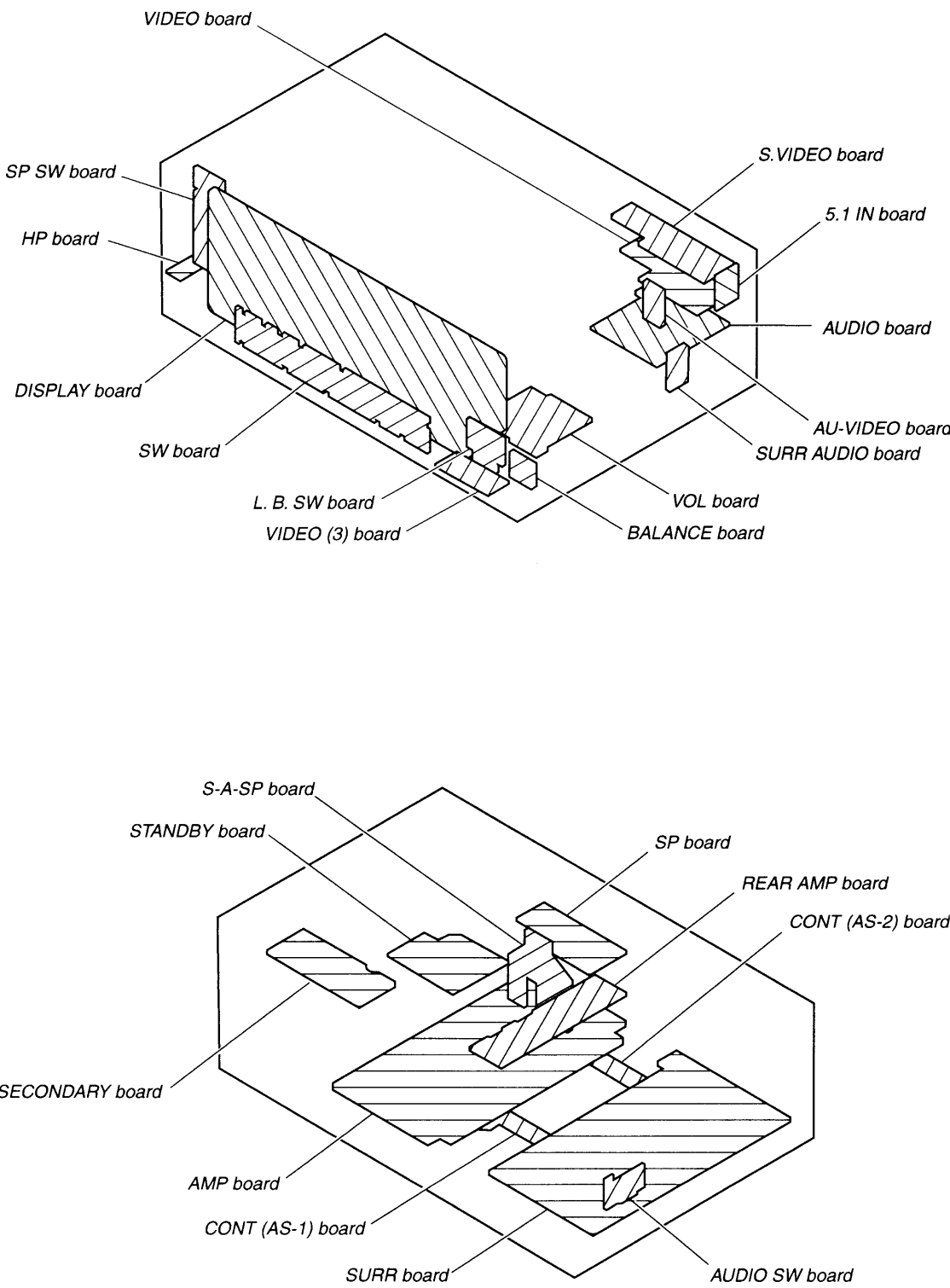
Pin No.	Pin name	I/O	Description
1	—	—	Not used (Connect to V_{DD}).
2 to 4	—	—	Not used (Connect to ground).
5	F/C/W. MUTE	O	Front, Center, Woofer mute drive.
6	SL MUTE	O	Surround L-CH mute drive.
7	SR MUTE	O	Surround R-CH mute drive.
8	AC MUTE	O	AC mute drive.
9	D LATCH	O	Data latch output.
10	RESET	I	Reset terminal.
11	X2	O	System clock (4.19MHZ).
12	X1	I	System clock (4.19MHZ).
13	VSS	—	Ground.
14	NP	—	Not used (Open).
15	—	—	Connect to reset terminal.
16	V_{DD}	—	Power supply (+5V).
17	T LATCH	O	Tuner function latch output.
18	S CLOCK	O	Serial clock output.
19	S DATA	O	Serial data output.
20	S LATCH	O	Serial latch output.
21	AUTO STOP	—	Not used (Connect to ground).
22	V MUTE	O	Video mute output.
23	STEREO	—	Not used (Connect to ground).
24	IF DATA IN	—	Not used (Open).
25	GND A/D	—	Ground for A/D converter.
26	SIRCS	I	Remote control signal input.
27	POWER KEY	I	Power key input.
28	VERSION	I	Destination select input.
29	KEY 5	I	Key input.
30	KEY 4	I	Key input.
31	KEY 3	I	Key input.
32	KEY 2	I	Key input.
33	KEY 1	I	Key input.
34	VDD A/D	—	Power supply (+5V) for A/D converter.
35	VREF A/D	I	Reference voltage for A/D converter.
36	V-A	O	Video switch control output.
37	V-B	O	Video switch control output.
38	V-E	O	Video switch control output.
39	STOP	O	Power ON/OFF control output.
40	Vss	—	Ground.
41	DIRECT PASS	O	Direct pass relay drive.
42	SUR RY	O	Surround relay drive.
43	CENTER RY	O	Center relay drive.
44	FRONT RY	O	Front relay drive.
45	MIX SUB RY	O	Woofer relay drive.

Pin No.	Pin name	I/O	Description
46	V _{DD}	–	Power supply (+5V).
47	PROTECTOR IN	I	Protector operation input.
48	POWER RY	O	Power relay drive.
49	BASS BOOST	O	Bass boost ON/OFF control.
50	SP OFF	I	Speaker switch input.
51	VOL –	O	Volume down control output.
52	VOL +	O	Volume up control output.
53	VOL LED	O	Volume LED drive.
54	STANDBY LED	–	Not used (Open).
55	—	–	Not used (Open).
56	BASS BOOST LED	O	BASS BOOST LED drive.
57	5.1 INPUT LED	O	5.1 INPUT LED drive.
58	DIRECT PASS LED	O	DIRECT PASS LED drive.
59	SUR LED	O	SUR LED drive.
60	TONE LED	O	TONE LED drive.
61	VIDEO 1 LED	O	VIDEO 1 LED drive.
62	INDEX LED	O	INDEX LED drive.
63	PHONO LED	O	PHONO LED drive.
64	TUNER LED	O	TUNER LED drive.
65	DAT MD LED	O	CD LED drive.
66	CD LED	O	TAPE/MD LED drive.
67	TAPE LED	O	TV/LD LED drive.
68	TV/DBS LED	O	VIDEO 3 LED drive.
69	VIDEO2 LED	O	VIDEO 2 LED drive.
70 to 78	P1 – P9	O	FL segment drive.
79	V LOARD	–	FL power supply (– 35V).
80 to 87	P10 – P17	O	FL segment drive.
88 to 100	G1 – G13	O	FL grid drive.

2-2. CIRCUIT BOARDS LOCATIONS



2-2. CIRCUIT BOARDS LOCATIONS



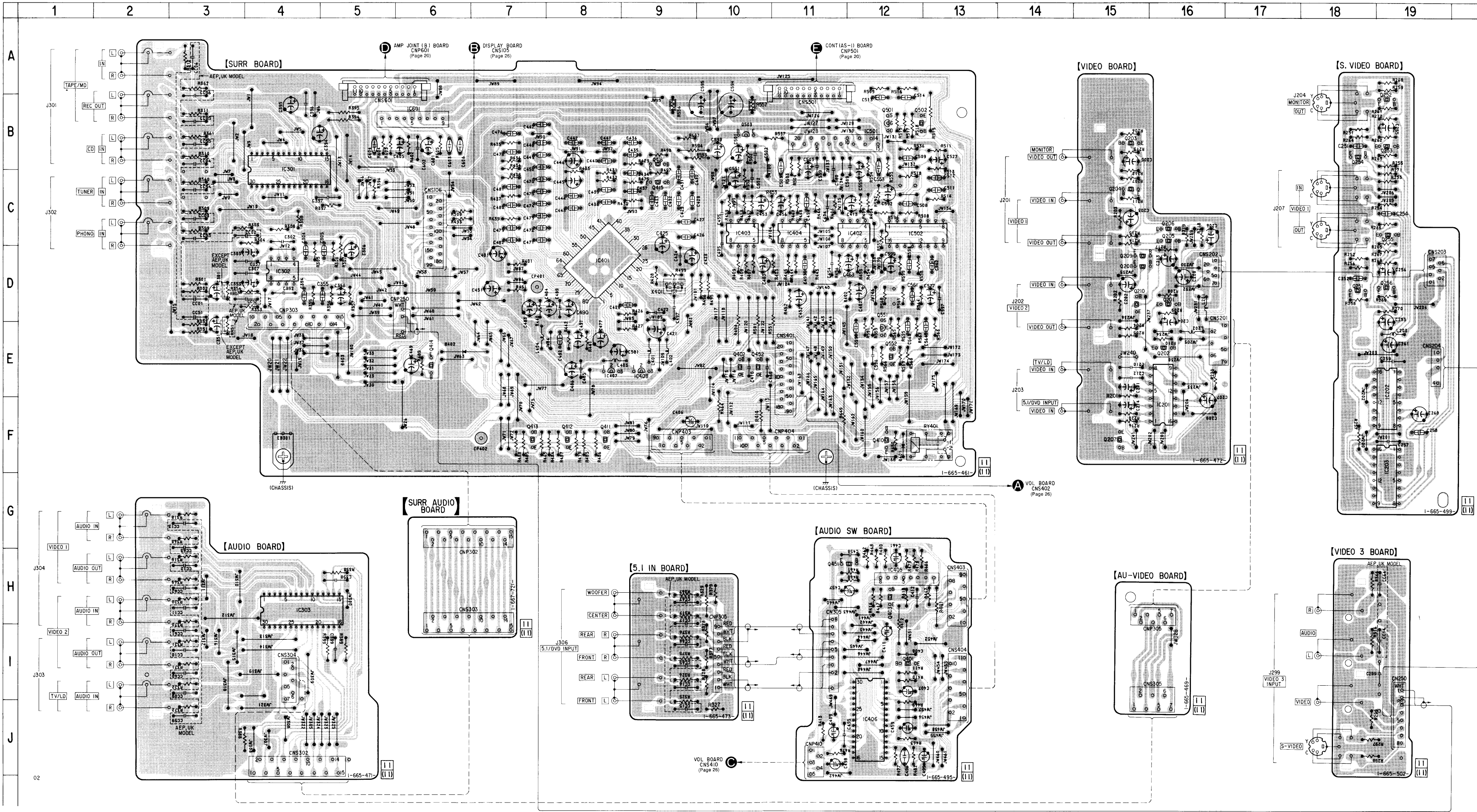
● SEMICONDUCTOR LOCATION

Ref. No.	Location
D401	F-12
D402	E-6
D403	E-5
IC201	E-16
IC202	E-19
IC203	F-19
IC301	B-4
IC302	D-4
IC303	H-4
IC401	D-8
IC402	C-12
IC403	C-10
IC404	C-11
IC405	H-12
IC406	J-12
IC407	E-8
IC408	E-9
IC501	B-11
IC502	C-12
IC601	B-6
Q201	D-16
Q202	E-16
Q203	B-15
Q204	C-15
Q205	C-16
Q206	C-16
Q207	F-15
Q208	D-15
Q209	D-15
Q210	D-15
Q251	D-18
Q252	B-19
Q253	B-19
Q254	B-18
Q255	C-19
Q256	D-19
Q401	I-12
Q402	E-10
Q403	H-12
Q410	F-12
Q411	F-8
Q412	F-8
Q413	F-7
Q414	E-6
Q415	C-9
Q416	B-9
Q451	H-12
Q452	E-10
Q501	B-12
Q502	B-12
Q503	B-10
Q551	E-12
Q552	E-12

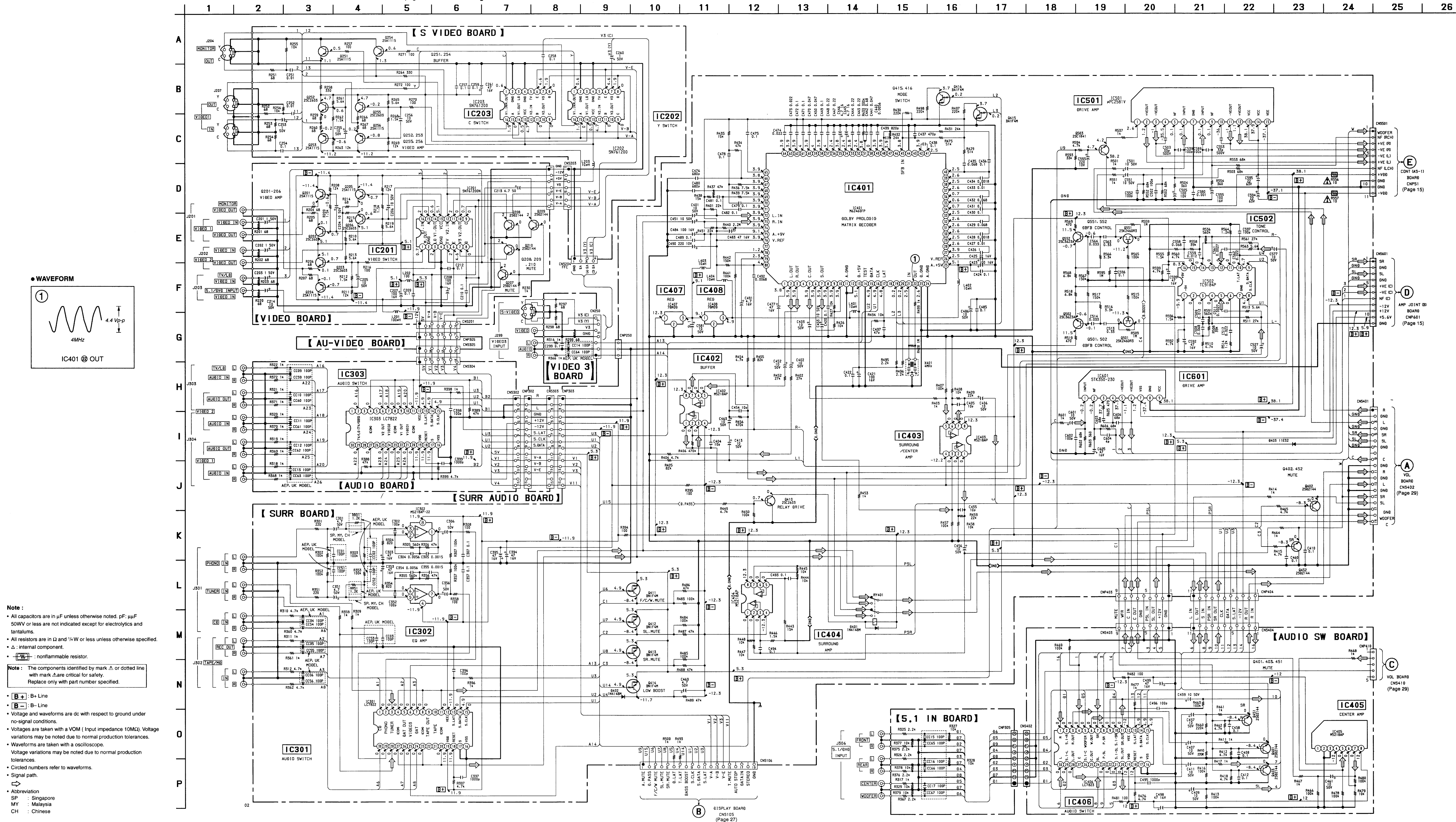
Note:

- : parts extracted from the component side.
- ▨ : Pattern on the side which is seen.
- △ : internal component.

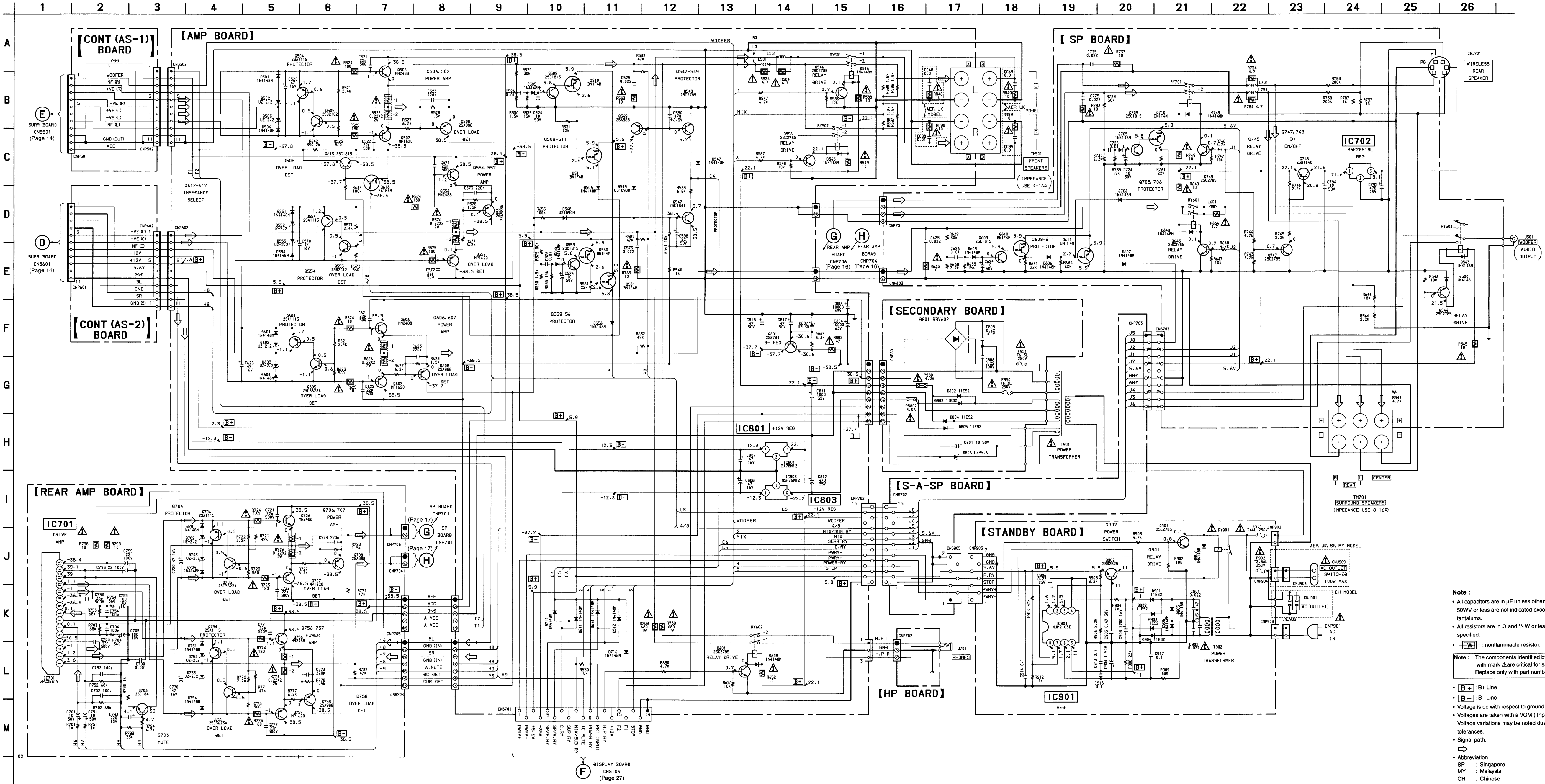
2-3. PRINTED WIRING BOARDS – SURROUND SECTION –



2-4. SCHEMATIC DIAGRAM – SURROUND SECTION – ● Refer to page 30 for IC Block Diagrams.



2-5. SCHEMATIC DIAGRAM - AMP SECTION - ● Refer to page 31 for IC Block Diagrams.

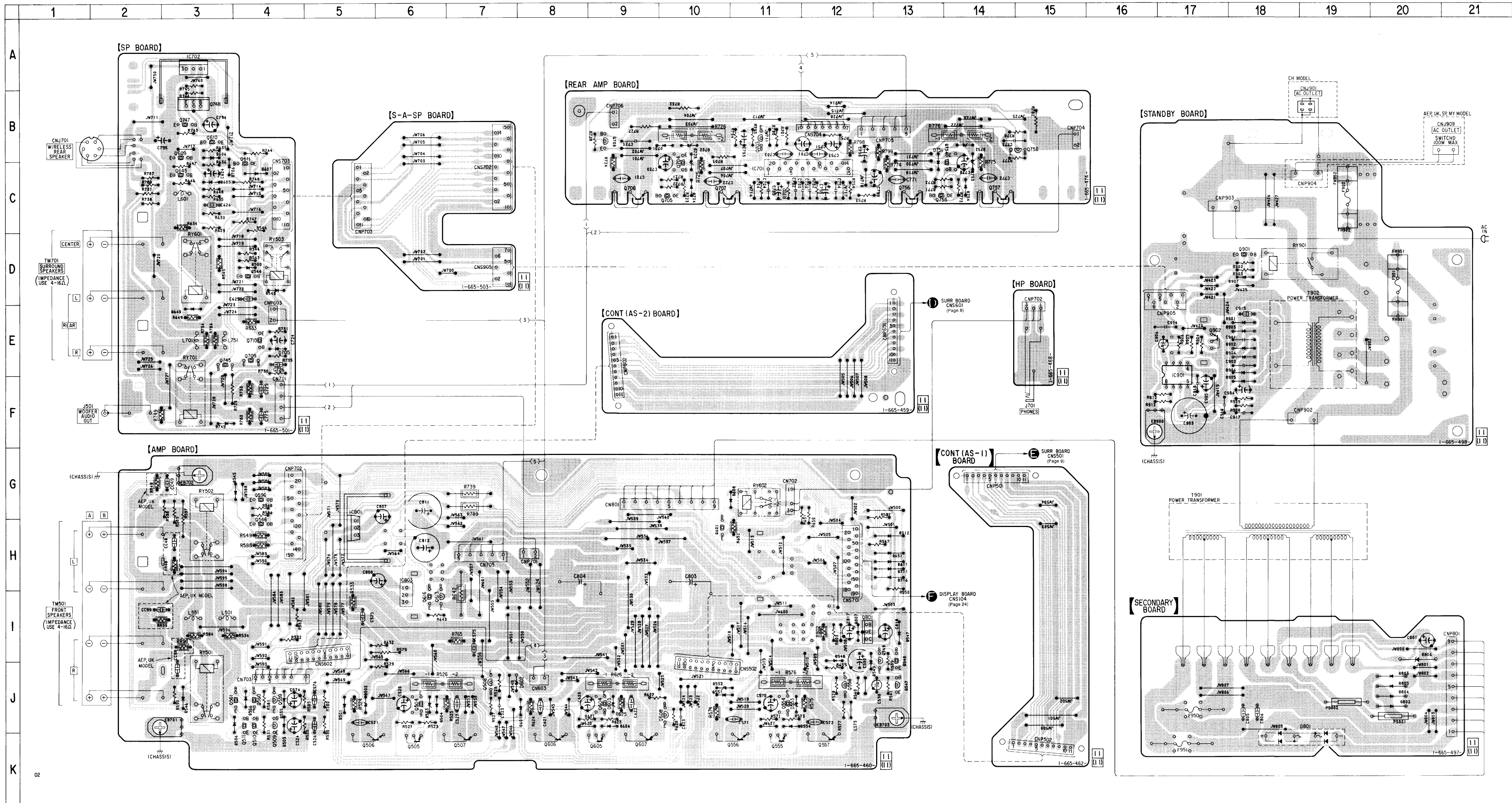


Note :

- All capacitors are in μF unless otherwise noted. pF: μF 50WV 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.
- $\square$: nonflammable resistor.

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

• $\square$: B+ Line
• $\square$: B- Line
• Voltage is dc with respect to ground under no-signal conditions.
• Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
• Signal path.
• Abbreviation
SP : Singapore
MY : Malaysia
CH : Chinese



● SEMICONDUCTOR LOCATION					
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D500	D-4	D751	B-13	Q556	K-11
D501	J-5	D752	B-14	Q557	K-12
D502	J-5	D753	B-14	Q558	J-12
D503	J-6	D754	C-14	Q559	J-4
D504	J-6	D801	J-18	Q560	J-4
D505	J-4	D802	J-20	Q561	J-4
D506	J-4	D803	J-20	Q596	G-4
D512	H-13	D804	J-20	Q601	H-10
D543	D-4	D805	J-20	Q604	J-9
D545	G-4	D806	I-20	Q605	K-9
D546	J-3	D807	I-12	Q606	K-8
D547	I-13	D901	E-18	Q607	K-9
D548	I-12	D902	E-18	Q608	J-10
D549	J-12	D903	E-18	Q609	B-3
D551	J-10	D904	E-18	Q610	B-3
D552	J-10	D905	F-18	Q611	C-4
D553	J-11	D906	E-18	Q613	I-6
D554	J-11	D907	D-18	Q616	I-6
D555	J-4			Q645	C-3
D556	J-4			Q703	B-11
D601	J-8	IC701	B-11	Q704	B-10
D602	J-7	IC702	A-3	Q705	C-10
D603	J-9	IC803	H-6	Q706	C-9
D604	J-9	IC901	E-17	Q707	C-10
D605	C-3			Q708	B-9
D606	B-3	Q504	J-6	Q709	E-4
D607	C-4	Q505	K-6	Q710	E-4
D608	G-10	Q506	K-5	Q745	E-3
D611	H-13	Q507	K-7	Q747	B-3
D649	E-3	Q508	J-7	Q748	B-3
D651	H-13	Q509	J-4	Q754	B-14
D701	B-10	Q510	J-4	Q755	C-13
D702	B-10	Q511	J-4	Q756	C-13
D703	B-10	Q544	D-4	Q757	C-14
D704	C-10	Q546	H-4	Q758	B-15
D705	E-4	Q547	J-13	Q801	I-12
D706	C-3	Q548	I-13	Q901	D-18
D711	H-13	Q549	I-13	Q902	E-17
D716	H-13	Q554	J-11		
D749	F-3	Q555	K-11		

Note:

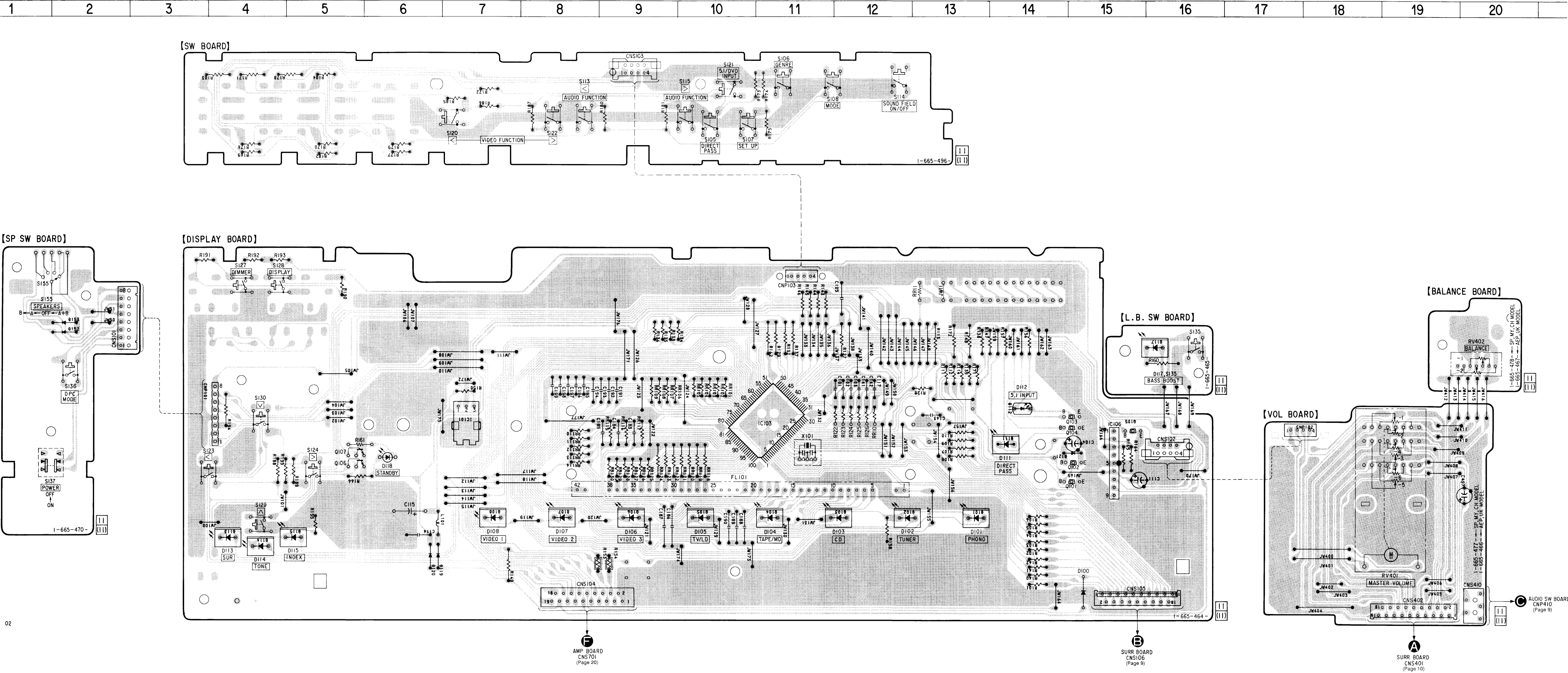
- : parts extracted from the component side.
- ▨ : Pattern on the side which is seen.
- Abbreviation
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CH : Chinese

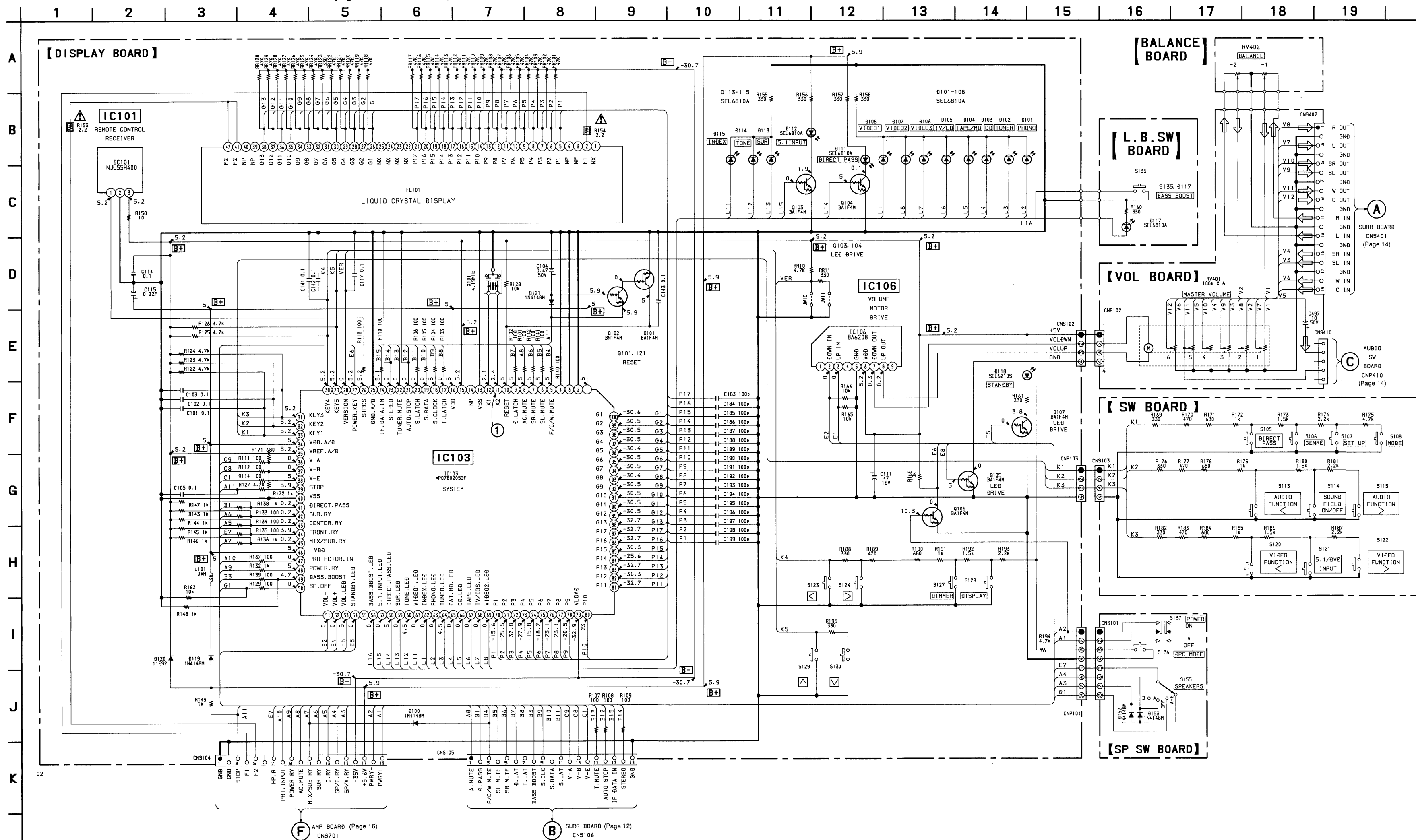
● SEMICONDUCTOR LOCATION

Ref. No.	Location
D100	H-15
D101	G-13
D102	G-12
D103	G-12
D104	G-11
D105	G-10
D106	G-9
D107	G-8
D108	G-7
D111	F-14
D112	E-14
D113	G-4
D114	G-4
D115	G-5
D117	E-16
D118	F-6
D119	G-6
D120	G-6
D121	F-15
D152	D-2
D153	D-2
IC101	F-7
IC103	F-11
IC106	F-15
Q101	F-15
Q102	F-15
Q103	F-15
Q104	F-15
Q105	F-15
Q106	F-5
Q107	F-5

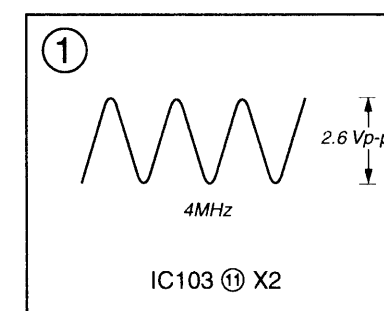
Note:

- : parts extracted from the component side.
- ▨ : Pattern on the side which is seen.
- △ : Internal component.
- Abbreviation
- SP : Singapore
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● WAVEFORM



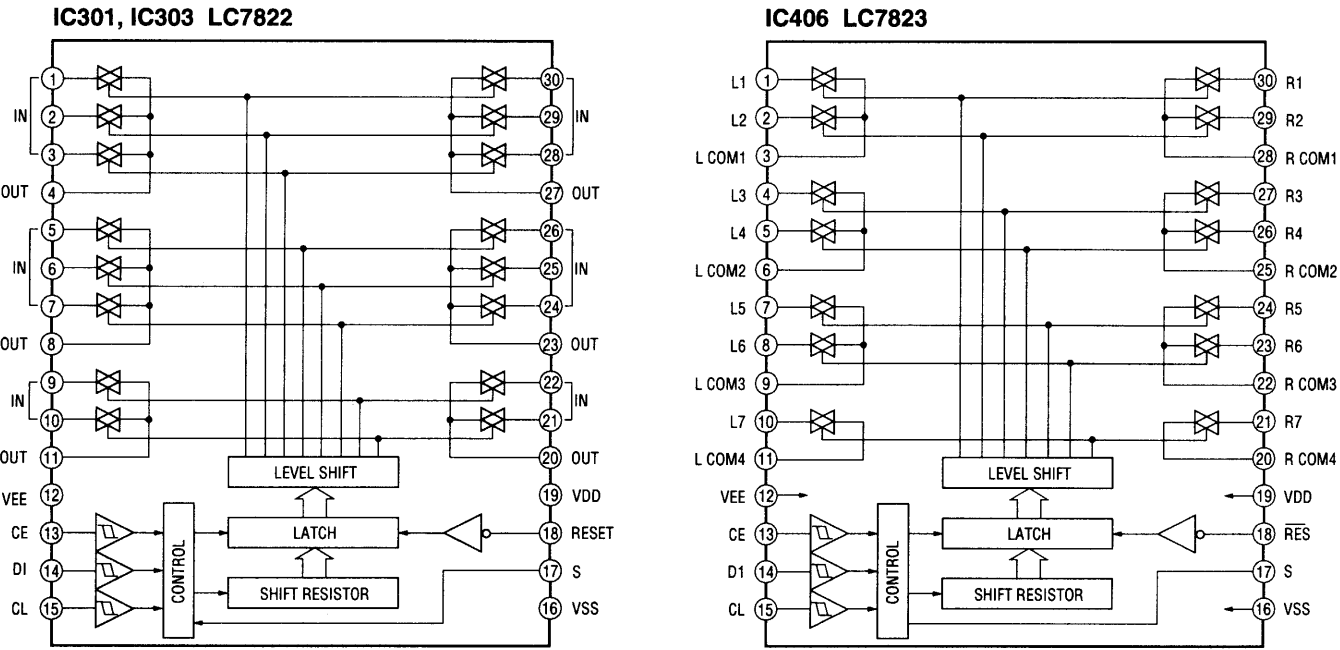
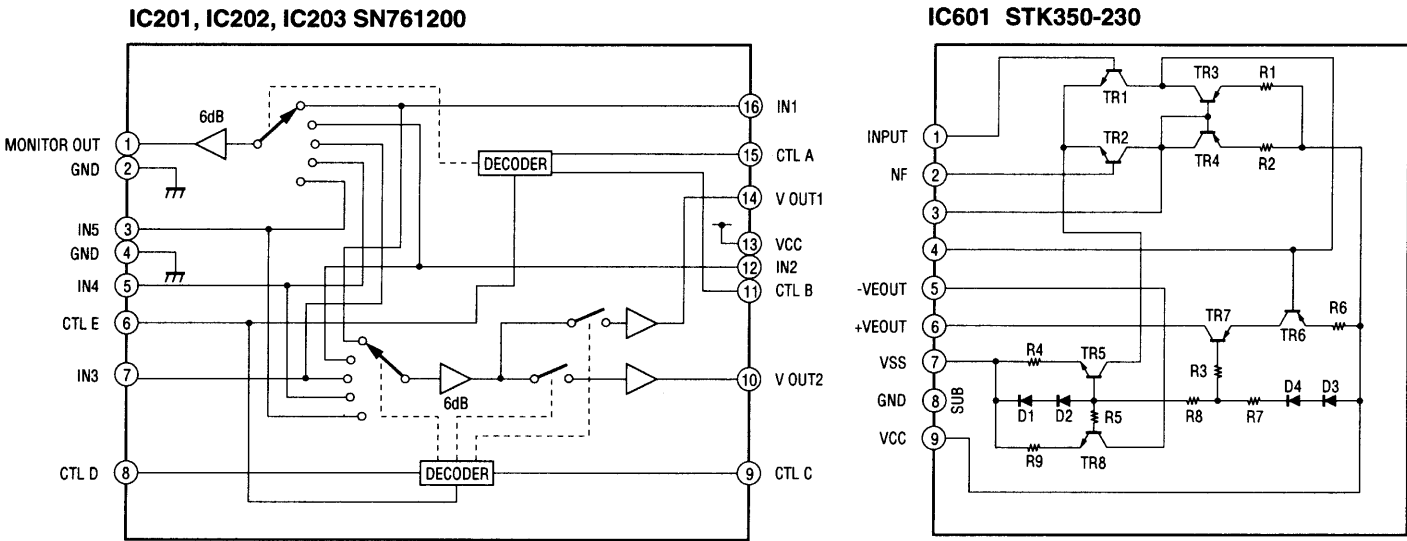
Note :

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

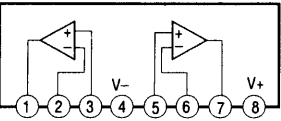
Note : The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

- **B+** : B+ Line
- **B-** : B- Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.

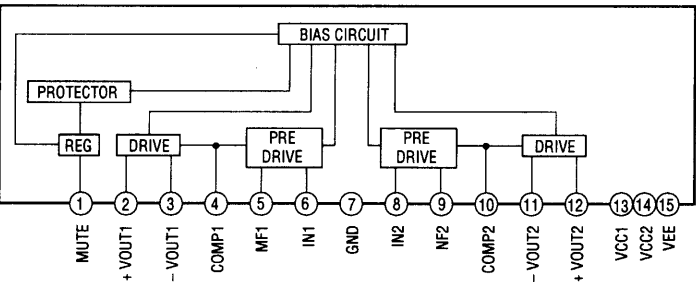
● IC BLOCK DIAGRAMS (SURROUND SECTION)



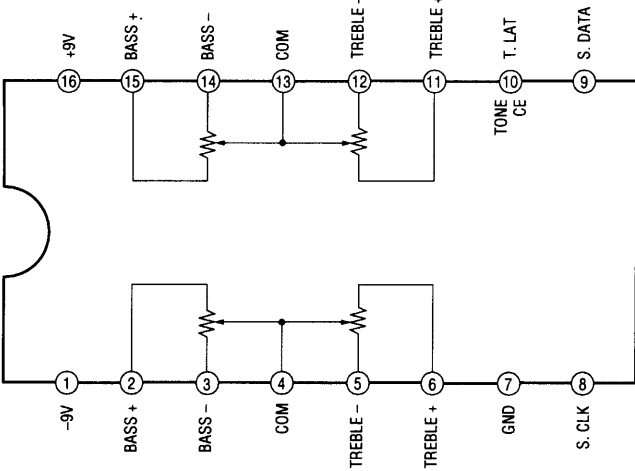
IC405 M5218AL



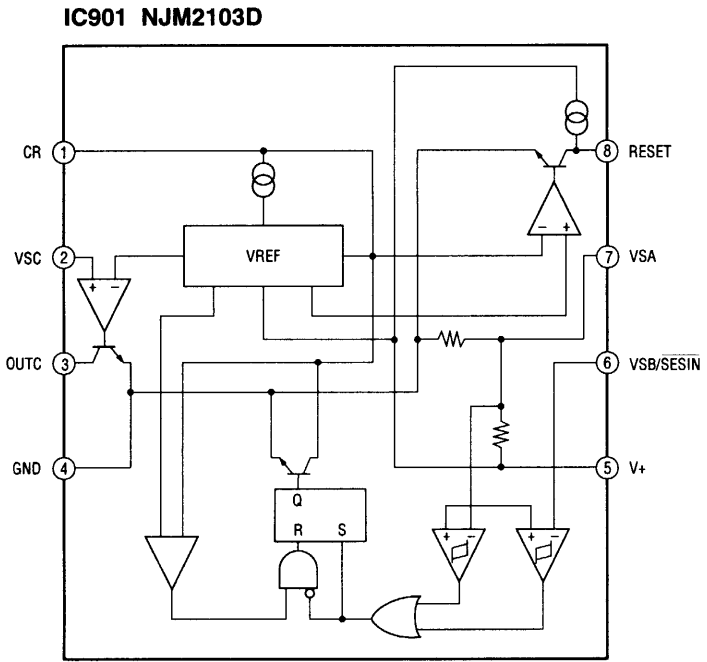
IC501 uPC2581V



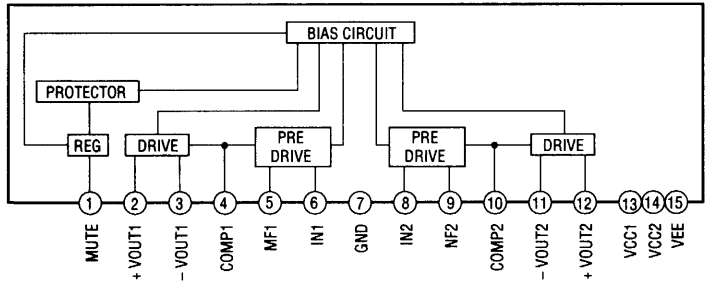
IC502 TC9184P



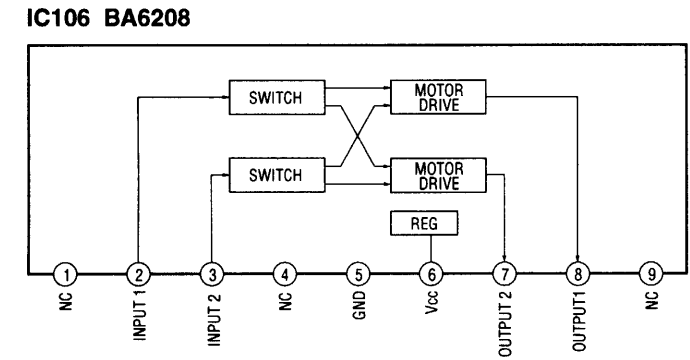
● IC BLOCK DIAGRAMS (AMP SECTION)



IC701 uPC2581V



● IC BLOCK DIAGRAM (DISPLAY SECTION)



SECTION 6

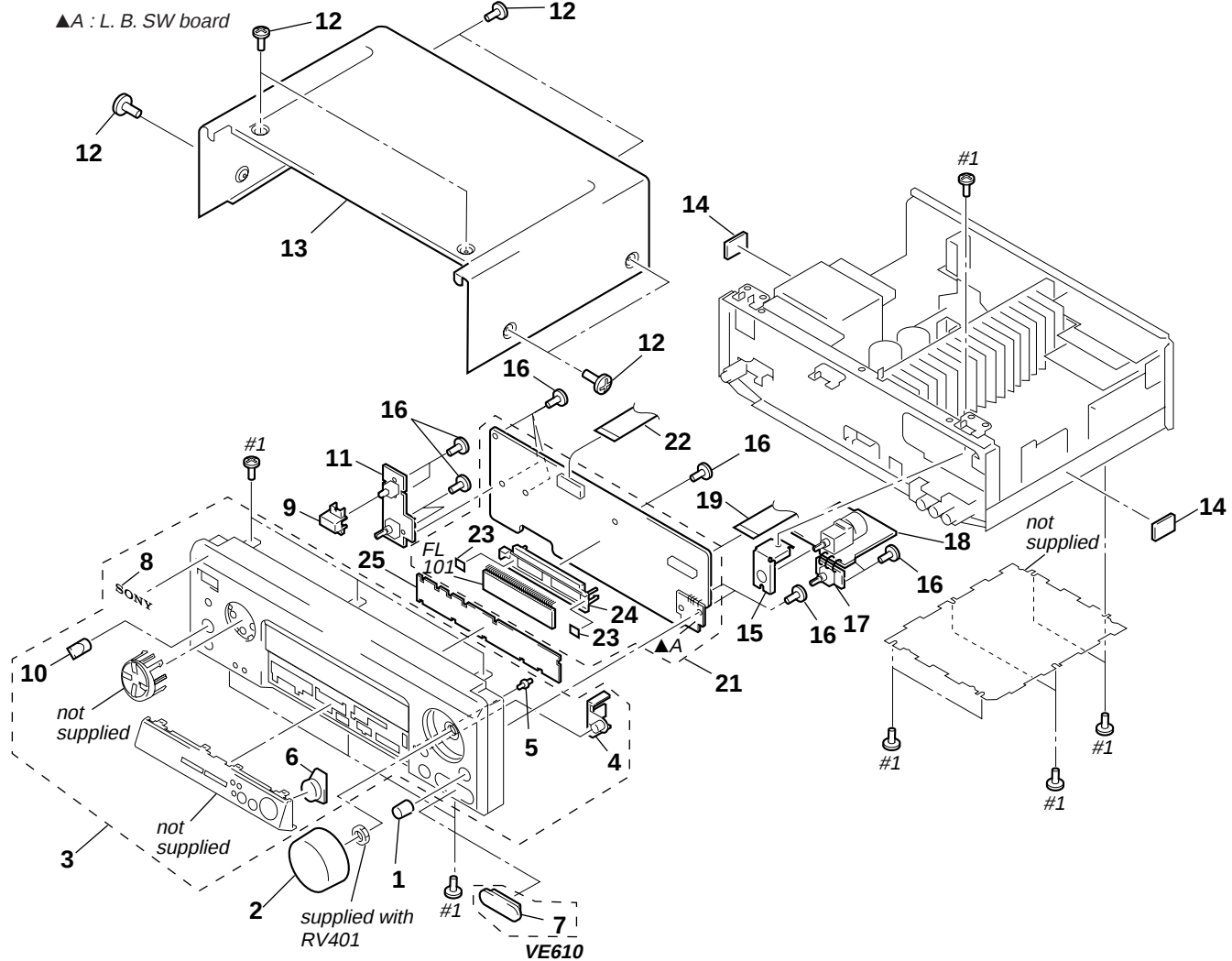
EXPLODED VIEWS

NOTE :

- -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.
- 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
 SP : Singapore
 CH : Chinese
 MY : Malaysia

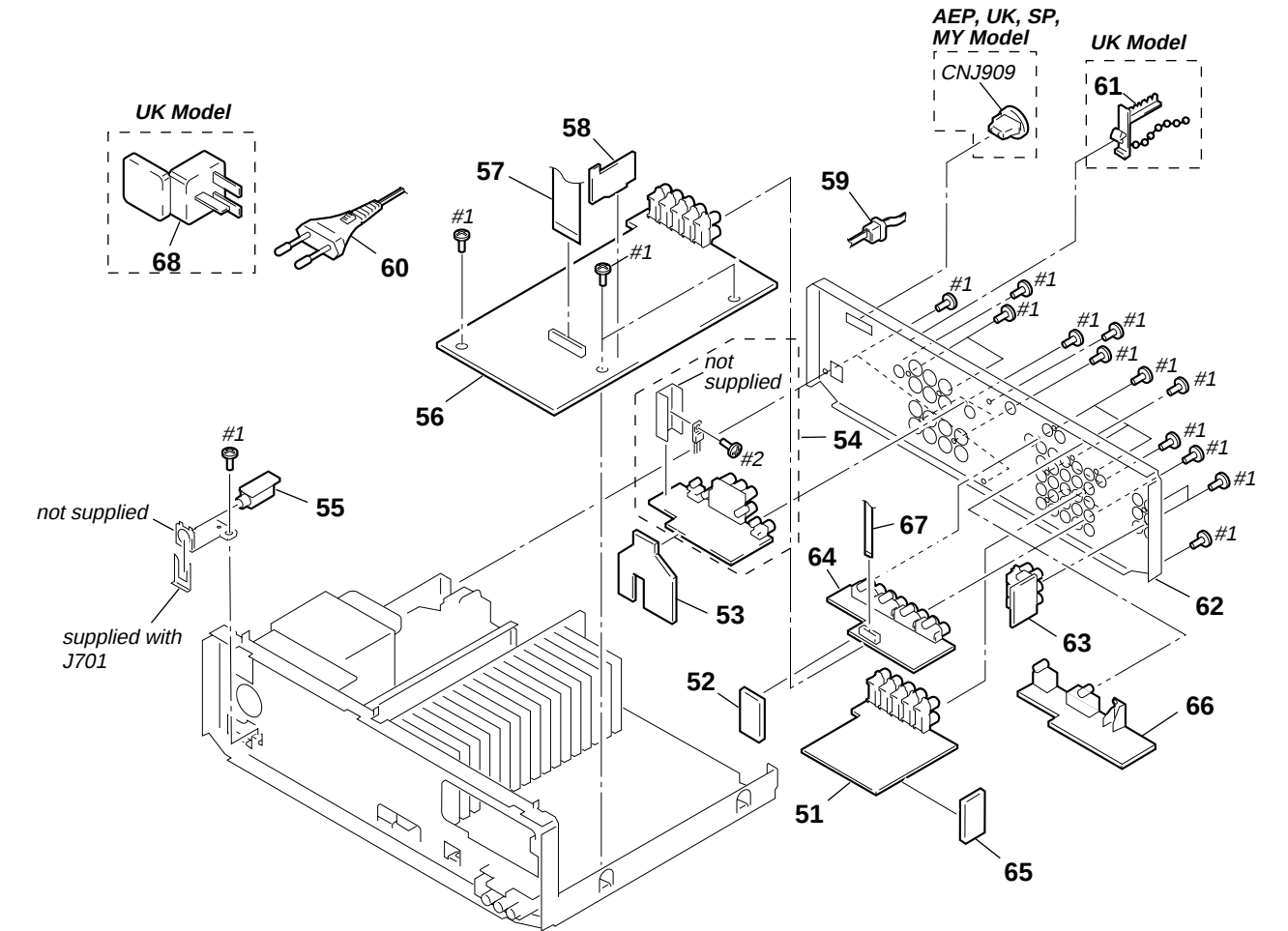
The components identified by mark Δ or dotted line with mark Δ are critical for safety.
 Replace only with part number specified.

3-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-980-639-01	KNOB (R14) (VE610)		12	3-704-366-01	SCREW (CASE) (M3X8) (VE610)	
1	4-980-639-31	KNOB (R14) (V606)		12	3-704-366-11	SCREW (CASE) (M3X8) (V606)	
2	X-4946-873-1	KNOB (R48) ASSY (VE610)		13	X-4947-722-1	CASE ASSY (VE610)	
2	X-4948-385-1	KNOB (R48) ASSY (V606)		13	X-4947-723-1	CASE ASSY (V606)	
3	X-4948-326-1	PANEL ASSY, FRONT (VE610)		14	4-985-642-01	CUSHION	
3	X-4948-327-1	PANEL ASSY, FRONT (V606)		* 15	4-989-878-01	BRACKET (VOL)	
4	4-989-850-01	BUTTON (BB) (VE610)		16	4-951-620-01	SCREW (2.6X8), +BVTP	
4	4-989-850-11	BUTTON (BB) (V606)		* 17	1-665-478-11	BALANCE BOARD (SP,MY,CH)	
5	4-989-842-01	INDICATOR (BB)		* 17	1-665-467-11	BALANCE BOARD (AEP,UK)	
6	4-989-852-01	RING (SUR) (VE610)		* 18	1-665-466-11	VOL BOARD (AEP,UK)	
6	4-989-852-11	RING (SUR) (V606)		* 18	1-665-477-11	VOL BOARD (SP,MY,CH)	
7	4-982-083-01	COVER (V3) (VE610)		19	1-773-130-11	WIRE (FLAT TYPE) (19 CORE) (100mm)	
8	3-008-600-11	EMBLEM (5-AR), SONY (VE610)		* 21	A-4392-858-A	DISPLAY BOARD, COMPLETE	
8	3-008-600-21	EMBLEM (5-AR), SONY (V606)		22	1-773-115-11	WIRE (FLAT TYPE) (19 CORE) (320mm)	
9	4-980-109-01	BUTTON (P-M) (VE610)		* 23	4-921-941-01	CUSHION (FL)	
9	4-980-109-41	BUTTON (P-M) (V606)		* 24	3-386-245-11	HOLDER (FL)	
10	4-957-383-01	KNOB (F14) (VE610)		* 25	1-665-496-11	SW BOARD	
10	4-957-383-21	KNOB (F14) (V606)		FL 101	1-517-672-11	INDICATOR TUBE, FLUORESCENT	
* 11	1-665-470-11	SP.SW BOARD					

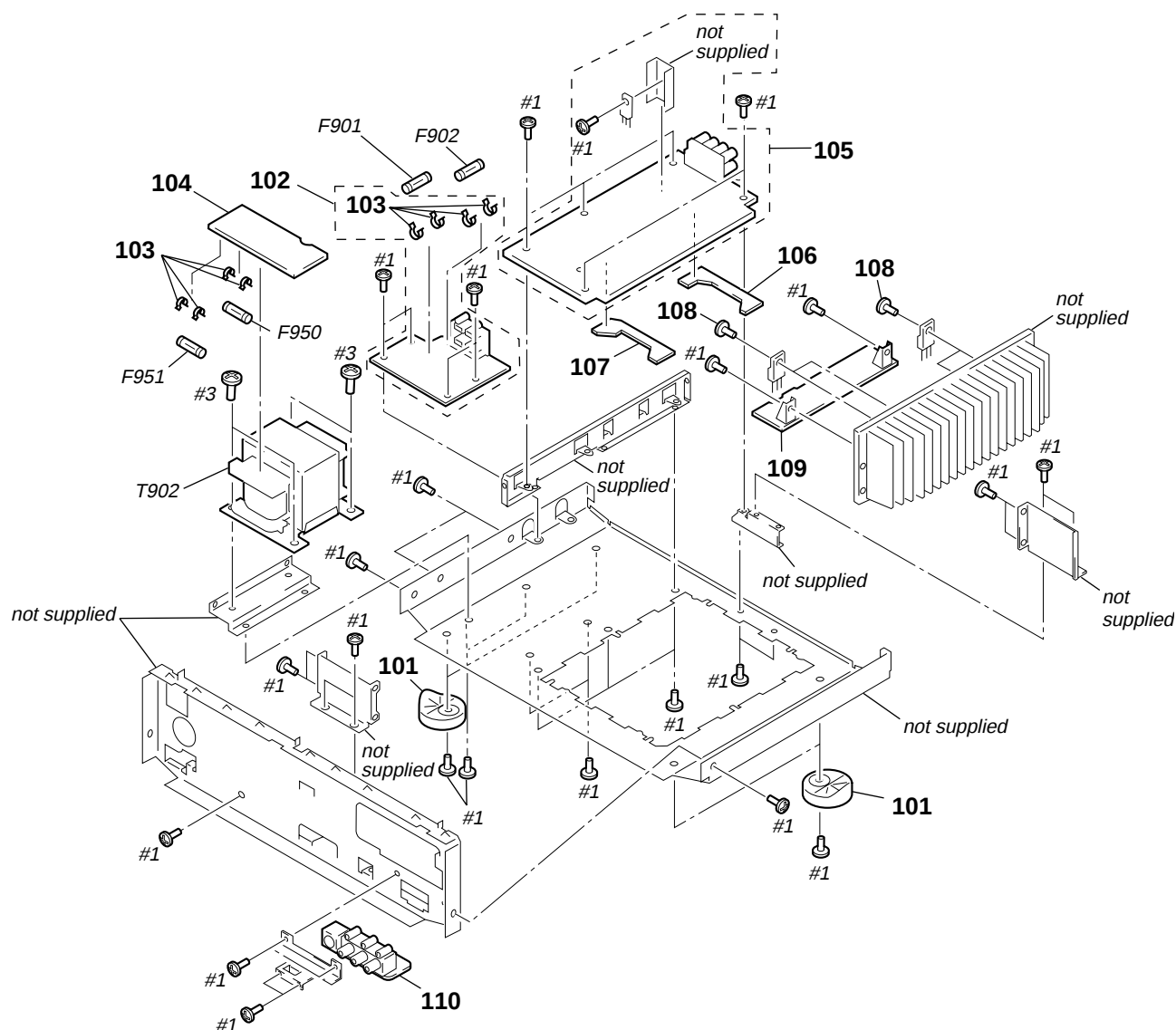
3-2. BACK PANEL SECTION



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 51	A-4392-864-A	AUDIO BOARD, COMPLETE (SP,MY,CH)		61	4-956-370-12	BAND, PLUG FIXED (UK)	
* 51	A-4392-865-A	AUDIO BOARD, COMPLETE (AEP,UK)		* 62	4-989-880-01	PANEL, BACK (VE610:AEP)	
* 52	1-665-469-11	AU-VIDEO BOARD		* 62	4-989-880-11	PANEL, BACK (VE610:UK)	
* 53	1-665-503-11	S-A-SP BOARD		* 62	4-989-880-21	PANEL, BACK (VE610:SP,MY)	
* 54	A-4392-886-A	SP BOARD, COMPLETE		* 62	4-989-880-31	PANEL, BACK (V606)	
* 55	1-665-468-11	HP BOARD		* 63	1-665-473-11	5.1 IN BOARD	
* 56	A-4392-874-A	SURR BOARD, COMPLETE (AEP,UK)		* 64	A-4392-866-A	VIDEO BOARD, COMPLETE	
* 56	A-4392-875-A	SURR BOARD, COMPLETE (SP,MY,CH)		* 65	1-667-721-11	SURR AUDIO BOARD	
57	1-773-108-11	WIRE (FLAT TYPE) (19 CORE) (160mm)		* 66	A-4392-885-A	S.VIDEO BOARD, COMPLETE	
* 58	1-665-495-11	AUDIO SW BOARD		67	1-769-878-11	WIRE (FLAT TYPE) (7 CORE)	
* 59	3-703-244-00	BUSHING (2104), CORD		$\triangle$ 68	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
$\triangle$ 60	1-769-744-11	CORD, POWER		$\triangle$ CNJ909	1-526-794-11	OUTLET, AC (AC OUTLET) (VE610)	

3-3. CHASSIS SECTION



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	X-4947-207-1	FOOT ASSY (F50150S) (VE610)		* 107	1-665-462-11	CONT (AS-1) BOARD	
101	X-4947-547-1	FOOT ASSY (F50150S) (V606)		108	3-905-609-01	SCREW (TRANSISTOR)	
* 102	A-4392-888-A	STANDBY BOARD, COMPLETE (AEP,UK)		* 109	A-4392-861-A	REAR AMP BOARD, COMPLETE (AEP,UK)	
* 102	A-4392-890-A	STANDBY BOARD, COMPLETE (SP,MY)		* 109	A-4392-862-A	REAR AMP BOARD, COMPLETE (SP,MY,CH)	
* 102	A-4403-723-A	STANDBY BOARD, COMPLET (CH)		* 110	1-665-502-11	VIDEO(3) BOARD	
103	1-533-217-31	HOLDER, FUSE		$\triangle$ F901	1-532-504-51	FUSE, TIME LAG (T4.0A/250V)	
* 104	1-665-497-11	SECONDARY BOARD		$\triangle$ F902	1-532-464-51	FUSE, TIME LAG (T2.5A/250V)	
* 105	A-4392-871-A	AMP BOARD, COMPLETE (AEP,UK)		$\triangle$ F950	1-532-506-51	FUSE, TIME LAG (T6.3A/250V)	
* 105	A-4392-872-A	AMP BOARD, COMPLETE (SP,MY,CH)		$\triangle$ F951	1-532-506-51	FUSE, TIME LAG (T6.3A/250V)	
* 106	1-665-459-11	CONT (AS-2) BOARD		$\triangle$ T902	1-431-273-11	TRANSFORMER, POWER	

SECTION 4

ELECTRICAL PARTS LIST

5.1 IN

AMP

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.
- RESISTORS
All resistors are in ohms
METAL : Metal-film resistor
METAL OXIDE :Metal oxide-film resistor
F : nonflammable
- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• SEMICONDUCTORS

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

• CAPACITORS

uF : μ F

• COILS

uH : μ H

• Abbreviation

SP : Singapore
CH : Chinese
MY : Malaysia

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-665-473-11	5.1 IN BOARD *****				< CAPACITOR >	
		< CAPACITOR >		C520	1-126-967-11	ELECT 47uF 20% 16V	
				C521	1-107-597-11	CERAMIC 22PF 10% 500V	
				C522	1-107-597-11	CERAMIC 22PF 10% 500V	
CC15	1-162-282-31	CERAMIC 100PF 10% 50V	(AEP,UK)	C523	1-162-286-31	CERAMIC 220PF 10% 50V	
CC16	1-162-282-31	CERAMIC 100PF 10% 50V	(AEP,UK)	C524	1-126-964-11	ELECT 10uF 20% 50V	
CC17	1-162-282-31	CERAMIC 100PF 10% 50V	(AEP,UK)	C525	1-136-157-00	FILM 0.022uF 5% 50V	
CC65	1-162-282-31	CERAMIC 100PF 10% 50V	(AEP,UK)	C526	1-136-153-00	FILM 0.01uF 5% 50V	
CC66	1-162-282-31	CERAMIC 100PF 10% 50V	(AEP,UK)	C570	1-126-967-11	ELECT 47uF 20% 16V	
				C571	1-107-597-11	CERAMIC 22PF 10% 500V	
CC67	1-162-282-31	CERAMIC 100PF 10% 50V	(AEP,UK)	C572	1-107-597-11	CERAMIC 22PF 10% 500V	
		< CONNECTOR >		C573	1-162-286-31	CERAMIC 220PF 10% 50V	
CNP305	1-564-524-11	PLUG, CONNECTOR 9P		C574	1-126-964-11	ELECT 10uF 20% 50V	
		< JACK >		C575	1-136-157-00	FILM 0.022uF 5% 50V	
J306	1-779-355-11	JACK, PIN 6P (5.1 DVD INPUT)		C576	1-136-153-00	FILM 0.01uF 5% 50V	
		< RESISTOR >		C590	1-126-935-11	ELECT 470uF 20% 6.3V	
				C598	1-126-965-11	ELECT 22uF 20% 50V	
R317	1-249-421-11	CARBON 2.2K 5% 1/4W		C620	1-126-967-11	ELECT 47uF 20% 16V	
R325	1-249-421-11	CARBON 2.2K 5% 1/4W		C621	1-107-597-11	CERAMIC 22PF 10% 500V	
R326	1-249-421-11	CARBON 2.2K 5% 1/4W		C622	1-107-597-11	CERAMIC 22PF 10% 500V	
R327	1-249-429-11	CARBON 10K 5% 1/4W		C623	1-162-286-31	CERAMIC 220PF 10% 50V	
R328	1-249-429-11	CARBON 10K 5% 1/4W		C803	1-117-203-11	ELECT 10000uF 20% 63V	
R329	1-249-429-11	CARBON 10K 5% 1/4W		C804	1-117-203-11	ELECT 10000uF 20% 63V	
R367	1-249-421-11	CARBON 2.2K 5% 1/4W		C807	1-126-967-11	ELECT 47uF 20% 16V	
R375	1-249-421-11	CARBON 2.2K 5% 1/4W		C808	1-126-967-11	ELECT 47uF 20% 16V	
R376	1-249-421-11	CARBON 2.2K 5% 1/4W		C811	1-126-952-11	ELECT 1000uF 20% 35V	
R377	1-249-429-11	CARBON 10K 5% 1/4W		C812	1-126-951-11	ELECT 470uF 20% 35V	
R378	1-249-429-11	CARBON 10K 5% 1/4W		C817	1-126-967-11	ELECT 47uF 20% 50V	
R379	1-249-429-11	CARBON 10K 5% 1/4W		C818	1-126-967-11	ELECT 47uF 20% 50V	
		*****		CC48	1-136-153-00	FILM 0.01uF 5% 50V	(AEP,UK)
				CC49	1-136-153-00	FILM 0.01uF 5% 50V	(AEP,UK)
				CC98	1-136-153-00	FILM 0.01uF 5% 50V	(AEP,UK)
				CC99	1-136-153-00	FILM 0.01uF 5% 50V	(AEP,UK)
						< CONNECTOR >	
*	A-4392-871-A	AMP BOARD, COMPLETE (AEP,UK)		CNP701	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P	
*	A-4392-872-A	AMP BOARD, COMPLETE (SP,MY,CH)	*****	CNP702	1-695-091-11	PIN, CONNECTOR (PC BOARD) 15P	
				CNS502	1-770-404-11	HOUSING,CONNECTOR (PC BOARD)11P	
				CNS602	1-770-404-11	HOUSING,CONNECTOR (PC BOARD)11P	
				CNS701	1-569-323-11	SOCKET, CONNECTOR 19P	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< DIODE >							
D501	8-719-987-63	DIODE 1N4148M		Q554	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D502	8-719-010-06	DIODE UZ-2.2BS		Q555	8-729-209-15	TRANSISTOR 2SD2012	
D503	8-719-010-06	DIODE UZ-2.2BS		Q556	8-749-010-25	IC MN2488-OPY-M	
D504	8-719-987-63	DIODE 1N4148M		Q557	8-749-010-26	IC MP1620-OPY-M	
D505	8-719-987-63	DIODE 1N4148M		Q558	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D506	8-719-987-63	DIODE 1N4148M		Q559	8-729-281-53	TRANSISTOR 2SC1815-GR	
D512	8-719-987-63	DIODE 1N4148M		Q560	8-729-900-63	TRANSISTOR DTA124ES	
D545	8-719-987-63	DIODE 1N4148M		Q561	8-729-900-63	TRANSISTOR DTA124ES	
D546	8-719-987-63	DIODE 1N4148M		Q596	8-729-119-79	TRANSISTOR 2SC2785-FEK	
D547	8-719-987-63	DIODE 1N4148M		Q601	8-729-119-79	TRANSISTOR 2SC2785-FEK	
D548	8-719-815-85	DIODE 1S1585		Q604	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D549	8-719-815-85	DIODE 1S1585		Q605	8-729-209-15	TRANSISTOR 2SD2012	
D551	8-719-987-63	DIODE 1N4148M		Q606	8-749-010-25	IC MN2488-OPY-M	
D552	8-719-010-06	DIODE UZ-2.2BS		Q607	8-749-010-26	IC MP1620-OPY-M	
D553	8-719-010-06	DIODE UZ-2.2BS		Q608	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D554	8-719-987-63	DIODE 1N4148M		Q613	8-729-281-53	TRANSISTOR 2SC1815-GR	
D555	8-719-987-63	DIODE 1N4148M		Q616	8-729-900-36	TRANSISTOR DTC124ES	
D556	8-719-987-63	DIODE 1N4148M		Q801	8-729-140-97	TRANSISTOR 2SB734-34	
D601	8-719-987-63	DIODE 1N4148M		< RESISTOR >			
D602	8-719-010-06	DIODE UZ-2.2BS		R521	1-247-840-00	CARBON 2.4K 5%	1/4W
D603	8-719-010-06	DIODE UZ-2.2BS		R523	1-249-414-11	CARBON 560 5%	1/4W
D604	8-719-987-63	DIODE 1N4148M		△ R524	1-249-408-11	CARBON 180 5%	1/4W F
D608	8-719-987-63	DIODE 1N4148M		△ R525	1-249-408-11	CARBON 180 5%	1/4W F
D611	8-719-987-63	DIODE 1N4148M		△ R526	1-233-352-41	ENCAPSULATED COMPONENT	F
D651	8-719-987-63	DIODE 1N4148M		R527	1-247-850-11	CARBON 6.2K 5%	1/4W
D711	8-719-987-63	DIODE 1N4148M		R528	1-249-419-11	CARBON 1.5K 5%	1/4W
D716	8-719-987-63	DIODE 1N4148M		R529	1-247-866-11	CARBON 30K 5%	1/4W
D807	8-719-934-22	DIODE HZS30-2L		R530	1-249-419-11	CARBON 1.5K 5%	1/4W
< TERMINAL, EARTH >				R531	1-249-433-11	CARBON 22K 5%	1/4W
* EB701	1-537-738-21	TERMINAL, EARTH		R532	1-249-437-11	CARBON 47K 5%	1/4W
* EB702	1-537-738-21	TERMINAL, EARTH		△ R533	1-249-393-11	CARBON 10 5%	1/4W F
* EB703	1-537-738-21	TERMINAL, EARTH		△ R534	1-249-389-11	CARBON 4.7 5%	1/4W F
< IC >				R535	1-249-431-11	CARBON 15K 5%	1/4W
IC801	8-759-391-87	IC BA78M12P		R539	1-249-427-11	CARBON 6.8K 5%	1/4W
IC803	8-759-604-45	IC M5F79M12		R540	1-249-417-11	CARBON 1K 5%	1/4W
< COIL >				R541	1-249-429-11	CARBON 10K 5%	1/4W
L501	1-411-906-11	COIL, AIR-CORE		R547	1-249-425-11	CARBON 4.7K 5%	1/4W
L551	1-411-906-11	COIL, AIR-CORE		R548	1-249-429-11	CARBON 10K 5%	1/4W
< TRANSISTOR >				△ R549	1-249-393-11	CARBON 10 5%	1/4W F
Q504	8-729-119-76	TRANSISTOR 2SA1175-HFE		R550	1-249-429-11	CARBON 10K 5%	1/4W
Q505	8-729-209-15	TRANSISTOR 2SD2012		R571	1-247-840-00	CARBON 2.4K 5%	1/4W
Q506	8-749-010-25	IC MN2488-OPY-M		R573	1-249-414-11	CARBON 560 5%	1/4W
Q507	8-749-010-26	IC MP1620-OPY-M		△ R574	1-249-408-11	CARBON 180 5%	1/4W F
Q508	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		△ R575	1-249-408-11	CARBON 180 5%	1/4W F
Q509	8-729-281-53	TRANSISTOR 2SC1815-GR		△ R576	1-233-352-41	ENCAPSULATED COMPONENT	F
Q510	8-729-900-63	TRANSISTOR DTA124ES		R577	1-247-850-11	CARBON 6.2K 5%	1/4W
Q511	8-729-900-63	TRANSISTOR DTA124ES		R578	1-249-419-11	CARBON 1.5K 5%	1/4W
Q546	8-729-119-79	TRANSISTOR 2SC2785-FEK		R579	1-247-866-11	CARBON 30K 5%	1/4W
Q547	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		R580	1-249-419-11	CARBON 1.5K 5%	1/4W
Q548	8-729-119-79	TRANSISTOR 2SC2785-FEK		R581	1-249-433-11	CARBON 22K 5%	1/4W
Q549	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R582	1-249-437-11	CARBON 47K 5%	1/4W
				△ R584	1-249-389-11	CARBON 4.7 5%	1/4W F
				R585	1-249-431-11	CARBON 15K 5%	1/4W
				R586	1-249-429-11	CARBON 10K 5%	1/4W
				R587	1-249-425-11	CARBON 4.7K 5%	1/4W
				△ R588	1-249-393-11	CARBON 10 5%	1/4W F

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

AUDIO SW

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

AUDIO SW	CONT (AS-1)	CONT (AS-2)	DISPLAY	L.B.SW
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Ref. No.	Part No.	Description	Remark		
C457	1-126-795-11	ELECT	10uF	20%	50V
C458	1-164-159-11	CERAMIC	0.1uF		50V
C459	1-126-795-11	ELECT	10uF	20%	50V
C461	1-126-795-11	ELECT	10uF	20%	50V
C495	1-162-294-31	CERAMIC	0.001uF	10%	50V
C496	1-164-070-11	CERAMIC	100PF	5%	50V
C498	1-126-786-11	ELECT	47uF	20%	16V
C499	1-126-786-11	ELECT	47uF	20%	16V
< CONNECTOR >					
CNP410	1-750-180-11	PIN, CONNECTOR (PC BOARD) 5P			
CNS403	1-695-093-11	SOCKET, CONNECTOR 9P			
CNS404	1-695-094-11	SOCKET, CONNECTOR 11P			
< IC >					
IC405	8-759-634-50	IC M5218AL			
IC406	8-759-805-15	IC LC7823			
< TRANSISTOR >					
Q401	8-729-922-37	TRANSISTOR 2SD2144S			
Q403	8-729-922-37	TRANSISTOR 2SD2144S			
Q451	8-729-922-37	TRANSISTOR 2SD2144S			
< RESISTOR >					
R410	1-247-887-00	CARBON	220K	5%	1/4W
R411	1-249-417-11	CARBON	1K	5%	1/4W
R412	1-249-425-11	CARBON	4.7K	5%	1/4W
R413	1-249-441-11	CARBON	100K	5%	1/4W
R416	1-249-441-11	CARBON	100K	5%	1/4W
R417	1-249-417-11	CARBON	1K	5%	1/4W
R418	1-249-425-11	CARBON	4.7K	5%	1/4W
R460	1-247-887-00	CARBON	220K	5%	1/4W
R461	1-249-417-11	CARBON	1K	5%	1/4W
R462	1-249-425-11	CARBON	4.7K	5%	1/4W
R463	1-249-441-11	CARBON	100K	5%	1/4W
R466	1-249-441-11	CARBON	100K	5%	1/4W
R467	1-249-417-11	CARBON	1K	5%	1/4W
R468	1-249-417-11	CARBON	1K	5%	1/4W
R469	1-249-441-11	CARBON	100K	5%	1/4W
R476	1-249-425-11	CARBON	4.7K	5%	1/4W
R477	1-249-417-11	CARBON	1K	5%	1/4W
R478	1-249-441-11	CARBON	100K	5%	1/4W
R479	1-249-429-11	CARBON	10K	5%	1/4W
R480	1-249-441-11	CARBON	100K	5%	1/4W
R481	1-247-807-31	CARBON	100	5%	1/4W
R482	1-247-807-31	CARBON	100	5%	1/4W

*	1-665-478-11	BALANCE BOARD (SP,MY,CH)			
*	1-665-467-11	BALANCE BOARD (AEP,UK)			

< VARIABLE RESISTOR >					
RV402	1-225-447-11	RES, VAR, CARBON 100K/100K (BALANCE)			

*	1-665-462-11	CONT (AS-1) BOARD			

Ref. No.	Part No.	Description	Remark		
< CONNECTOR >					
CNP501	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P			
CNP502	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P			

*	1-665-459-11	CONT (AS-2) BOARD			

< CONNECTOR >					
CNP601	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P			
CNP602	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P			

*	A-4392-858-A	DISPLAY BOARD, COMPLETE			

L.B.SW BOARD					

*	4-921-941-01	CUSHION (FL)			
*	3-386-245-11	HOLDER (FL)			
< CAPACITOR >					
C101	1-164-159-11	CERAMIC	0.1uF		50V
C102	1-164-159-11	CERAMIC	0.1uF		50V
C103	1-164-159-11	CERAMIC	0.1uF		50V
C104	1-126-959-11	ELECT	0.47uF	20%	50V
C105	1-164-159-11	CERAMIC	0.1uF		50V
C111	1-126-967-11	ELECT	47uF	20%	16V
C114	1-164-159-11	CERAMIC	0.1uF		50V
C115	1-104-905-11	CAPACITOR	0.22F		5.5V
C117	1-164-159-11	CERAMIC	0.1uF		50V
C141	1-164-159-11	CERAMIC	0.1uF		50V
C142	1-164-159-11	CERAMIC	0.1uF		50V
C143	1-164-159-11	CERAMIC	0.1uF		50V
C183	1-162-282-31	CERAMIC	100PF	10%	50V
C184	1-162-282-31	CERAMIC	100PF	10%	50V
C185	1-162-282-31	CERAMIC	100PF	10%	50V
C186	1-162-282-31	CERAMIC	100PF	10%	50V
C187	1-162-282-31	CERAMIC	100PF	10%	50V
C188	1-162-282-31	CERAMIC	100PF	10%	50V
C189	1-162-282-31	CERAMIC	100PF	10%	50V
C190	1-162-282-31	CERAMIC	100PF	10%	50V
C191	1-162-282-31	CERAMIC	100PF	10%	50V
C192	1-162-282-31	CERAMIC	100PF	10%	50V
C193	1-162-282-31	CERAMIC	100PF	10%	50V
C194	1-162-282-31	CERAMIC	100PF	10%	50V
C195	1-162-282-31	CERAMIC	100PF	10%	50V
C196	1-162-282-31	CERAMIC	100PF	10%	50V
C197	1-162-282-31	CERAMIC	100PF	10%	50V
C198	1-162-282-31	CERAMIC	100PF	10%	50V
C199	1-162-282-31	CERAMIC	100PF	10%	50V
< CONNECTOR >					
CNP101	1-779-365-11	CONNECTOR, PC BOARD (PLUG) 8P			
CNP103	1-779-366-11	CONNECTOR, BOARD TO BOARD 4P			
CNS102	1-770-397-11	HOUSING, CONNECTOR(PC BOARD)4P			
* CNS104	1-568-862-11	SOCKET, CONNECTOR 19P			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< DIODE >				R122	1-249-425-11	CARBON 4.7K 5%	1/4W
D100	8-719-987-63	DIODE 1N4148M		R123	1-249-425-11	CARBON 4.7K 5%	1/4W
D101	8-719-313-45	LED SEL6810A-TH10 (PHONO)		R124	1-249-425-11	CARBON 4.7K 5%	1/4W
D102	8-719-313-45	LED SEL6810A-TH10 (TUNER)		R125	1-249-425-11	CARBON 4.7K 5%	1/4W
D103	8-719-313-45	LED SEL6810A-TH10 (CD)		R126	1-249-425-11	CARBON 4.7K 5%	1/4W
D104	8-719-313-45	LED SEL6810A-TH10 (TAPE/MD)		R127	1-249-425-11	CARBON 4.7K 5%	1/4W
D105	8-719-313-45	LED SEL6810A-TH10 (TV/LD)		R128	1-249-429-11	CARBON 10K 5%	1/4W
D106	8-719-313-45	LED SEL6810A-TH10 (VIDEO 3)		R129	1-247-807-31	CARBON 100 5%	1/4W
D107	8-719-313-45	LED SEL6810A-TH10 (VIDEO 2)		R132	1-249-417-11	CARBON 1K 5%	1/4W
D108	8-719-313-45	LED SEL6810A-TH10 (VIDEO 1)		R133	1-247-807-31	CARBON 100 5%	1/4W
D111	8-719-313-45	LED SEL6810A-TH10 (DIRECT PASS)		R134	1-247-807-31	CARBON 100 5%	1/4W
D112	8-719-064-63	LED SELU5823A-TP15 (5.1 INPUT)		R135	1-247-807-31	CARBON 100 5%	1/4W
D113	8-719-313-45	LED SEL6810A-TH10 (SUR)		R136	1-249-417-11	CARBON 1K 5%	1/4W
D114	8-719-313-45	LED SEL6810A-TH10 (TONE)		R137	1-247-807-31	CARBON 100 5%	1/4W
D115	8-719-313-45	LED SEL6810A-TH10 (INDEX)		R138	1-249-417-11	CARBON 1K 5%	1/4W
D117	8-719-313-45	LED SEL6810A-TH10 (BASS BOOST)		R139	1-247-807-31	CARBON 100 5%	1/4W
D118	8-719-313-43	LED SEL6210S-TH10 (STANDBY)		R140	1-247-807-31	CARBON 100 5%	1/4W
D119	8-719-987-63	DIODE 1N4148M		R141	1-247-807-31	CARBON 100 5%	1/4W
D120	8-719-200-82	DIODE 11ES2		R142	1-247-807-31	CARBON 100 5%	1/4W
D121	8-719-987-63	DIODE 1N4148M		R143	1-249-417-11	CARBON 1K 5%	1/4W
< FLUORECENT INDICATOR TUBE >				R144	1-249-417-11	CARBON 1K 5%	1/4W
FL101	1-517-672-11	INDICATOR TUBE, FLUORESCENT		R145	1-249-417-11	CARBON 1K 5%	1/4W
< IC >				R146	1-249-417-11	CARBON 1K 5%	1/4W
IC101	8-759-459-83	IC NJL55H400		R147	1-249-417-11	CARBON 1K 5%	1/4W
IC103	8-759-479-18	IC uPD780205GF-032-3BA		R148	1-249-417-11	CARBON 1K 5%	1/4W
IC106	8-759-962-08	IC BA6208		R149	1-249-417-11	CARBON 1K 5%	1/4W
< COIL >				R150	1-249-393-11	CARBON 10 5%	1/4W
L101	1-410-509-11	INDUCTOR 10uH		△ R153	1-249-385-11	CARBON 2.2 5%	1/6W F
< TRANSISTOR >				△ R154	1-249-385-11	CARBON 2.2 5%	1/6W F
Q101	8-729-900-36	TRANSISTOR DTC124ES		R155	1-249-411-11	CARBON 330 5%	1/4W
Q102	8-729-900-63	TRANSISTOR DTA124ES		R156	1-247-411-11	CARBON 330 5%	1/4W
Q103	8-729-900-36	TRANSISTOR DTC124ES		R157	1-249-411-11	CARBON 330 5%	1/4W
Q104	8-729-900-36	TRANSISTOR DTC124ES		R158	1-249-411-11	CARBON 330 5%	1/4W
Q105	8-729-900-36	TRANSISTOR DTC124ES		R160	1-249-411-11	CARBON 330 5%	1/4W
Q106	8-729-900-36	TRANSISTOR DTC124ES		R161	1-249-411-11	CARBON 330 5%	1/4W
Q107	8-729-900-36	TRANSISTOR DTC124ES		R162	1-249-429-11	CARBON 10K 5%	1/4W
< RESISTOR >				R164	1-249-429-11	CARBON 10K 5%	1/4W
R101	1-247-807-31	CARBON 100 5%	1/4W	R165	1-249-429-11	CARBON 10K 5%	1/4W
R102	1-247-807-31	CARBON 100 5%	1/4W	R166	1-249-429-11	CARBON 10K 5%	1/4W
R103	1-247-807-31	CARBON 100 5%	1/4W	R171	1-249-415-11	CARBON 680 5%	1/4W
R104	1-247-807-31	CARBON 100 5%	1/4W	R172	1-249-417-11	CARBON 1K 5%	1/4W
R105	1-247-807-31	CARBON 100 5%	1/4W	R188	1-249-411-11	CARBON 330 5%	1/4W
R106	1-247-807-31	CARBON 100 5%	1/4W	R189	1-249-413-11	CARBON 470 5%	1/4W
R107	1-247-807-31	CARBON 100 5%	1/4W	R190	1-249-415-11	CARBON 680 5%	1/4W
R108	1-247-807-31	CARBON 100 5%	1/4W	R191	1-249-417-11	CARBON 1K 5%	1/4W
R109	1-247-807-31	CARBON 100 5%	1/4W	R192	1-249-419-11	CARBON 1.5K 5%	1/4W
R110	1-247-807-31	CARBON 100 5%	1/4W	R193	1-249-421-11	CARBON 2.2K 5%	1/4W
R111	1-247-807-31	CARBON 100 5%	1/4W	R194	1-249-425-11	CARBON 4.7K 5%	1/4W
R112	1-247-807-31	CARBON 100 5%	1/4W	R195	1-249-411-11	CARBON 330 5%	1/4W
R113	1-247-807-31	CARBON 100 5%	1/4W	RR10	1-249-425-11	CARBON 4.7K 5%	1/4W
R114	1-247-807-31	CARBON 100 5%	1/4W	RR11	1-249-411-11	CARBON 330 5%	1/4W
				RR101	1-249-437-11	CARBON 47K 5%	1/4W
				RR102	1-249-437-11	CARBON 47K 5%	1/4W
				RR103	1-249-437-11	CARBON 47K 5%	1/4W
				RR104	1-249-437-11	CARBON 47K 5%	1/4W
				RR105	1-249-437-11	CARBON 47K 5%	1/4W

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

DISPLAY

L.B.SW

HP

REAR AMP

Ref. No.	Part No.	Description	Remark		
RR106	1-249-437-11	CARBON	47K	5%	1/4W
RR107	1-249-437-11	CARBON	47K	5%	1/4W
RR108	1-249-437-11	CARBON	47K	5%	1/4W
RR109	1-249-437-11	CARBON	47K	5%	1/4W
RR110	1-249-437-11	CARBON	47K	5%	1/4W
RR111	1-249-437-11	CARBON	47K	5%	1/4W
RR112	1-249-437-11	CARBON	47K	5%	1/4W
RR113	1-249-437-11	CARBON	47K	5%	1/4W
RR114	1-249-437-11	CARBON	47K	5%	1/4W
RR115	1-249-437-11	CARBON	47K	5%	1/4W
RR116	1-249-437-11	CARBON	47K	5%	1/4W
RR117	1-249-437-11	CARBON	47K	5%	1/4W
RR118	1-249-437-11	CARBON	47K	5%	1/4W
RR119	1-249-437-11	CARBON	47K	5%	1/4W
RR120	1-249-437-11	CARBON	47K	5%	1/4W
RR121	1-249-437-11	CARBON	47K	5%	1/4W
RR122	1-249-437-11	CARBON	47K	5%	1/4W
RR123	1-249-437-11	CARBON	47K	5%	1/4W
RR124	1-249-437-11	CARBON	47K	5%	1/4W
RR125	1-249-437-11	CARBON	47K	5%	1/4W
RR126	1-249-437-11	CARBON	47K	5%	1/4W
RR127	1-249-437-11	CARBON	47K	5%	1/4W
RR128	1-249-437-11	CARBON	47K	5%	1/4W
RR129	1-249-437-11	CARBON	47K	5%	1/4W
RR130	1-249-437-11	CARBON	47K	5%	1/4W
< SWITCH >					
S123	1-762-751-11	SWITCH, TACTILE (☒)			
S124	1-762-751-11	SWITCH, TACTILE (☒)			
S127	1-762-751-11	SWITCH, TACTILE (DIMMER)			
S128	1-762-751-11	SWITCH, TACTILE (DISPLAY)			
S129	1-762-751-11	SWITCH, TACTILE (☒)			
S130	1-762-751-11	SWITCH, TACTILE (☒)			
< VIBRATOR >					
X101	1-577-101-11	VIBRATOR, CERAMIC (4.19MHz)			

*	1-665-468-11	HP BOARD	*****		
< CONNECTOR >					
* CNP702	1-564-518-11	PLUG, CONNECTOR 3P			
< JACK >					
J701	1-568-519-41	JACK, LARGE TYPE (PHONES)			

*	A-4392-862-A	REAR AMP BOARD, COMPLETE (SP,MY,CH)			
*	A-4392-861-A	REAR AMP BOARD, COMPLETE (AEP,UK)	*****		
< CAPACITOR >					
C700	1-162-294-31	CERAMIC	0.001uF	10%	50V
C701	1-126-964-11	ELECT	10uF	20%	50V
C702	1-162-282-31	CERAMIC	100PF	10%	50V
C703	1-102-233-00	CERAMIC	33PF	10%	500V
C704	1-162-282-31	CERAMIC	100PF	10%	50V

Ref. No.	Part No.	Description			Remark
C705	1-126-933-11	ELECT	100uF	20%	10V
C720	1-126-967-11	ELECT	47uF	20%	16V
C721	1-107-597-11	CERAMIC	22PF	10%	500V
C722	1-107-597-11	CERAMIC	22PF	10%	500V
C723	1-162-286-31	CERAMIC	220PF	10%	50V
C751	1-126-964-11	ELECT	10uF	20%	50V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-102-233-00	CERAMIC	33PF	10%	500V
C754	1-162-282-31	CERAMIC	100PF	10%	50V
C755	1-126-933-11	ELECT	100uF	20%	10V
C770	1-126-967-11	ELECT	47uF	20%	16V
C771	1-107-597-11	CERAMIC	22PF	10%	500V
C772	1-107-597-11	CERAMIC	22PF	10%	500V
C773	1-162-286-31	CERAMIC	220PF	10%	50V
C793	1-126-923-11	ELECT	220uF	20%	10V
C798	1-128-560-11	ELECT	22uF	20%	100V
C799	1-128-560-11	ELECT	22uF	20%	100V
< CONNECTOR >					
CNP704	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P			
* CNP705	1-564-242-00	PIN, CONNECTOR 5P			
CNP706	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P			
CNS704	1-564-510-11	PLUG, CONNECTOR 7P			
< DIODE >					
D701	8-719-987-63	DIODE	1N4148M		
D702	8-719-010-06	DIODE	UZ-2.2BS		
D703	8-719-010-06	DIODE	UZ-2.2BS		
D704	8-719-987-63	DIODE	1N4148M		
D751	8-719-987-63	DIODE	1N4148M		
D752	8-719-010-06	DIODE	UZ-2.2BS		
D753	8-719-010-06	DIODE	UZ-2.2BS		
D754	8-719-987-63	DIODE	1N4148M		
< IC >					
IC701	8-759-326-52	IC	uPC2581V		
< TRANSISTOR >					
Q703	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA		
Q704	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q705	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q706	8-749-010-25	IC	MN2488-OPY-M		
Q707	8-749-010-26	IC	MP1620-OPY-M		
Q708	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q754	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q755	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q756	8-749-010-25	IC	MN2488-OPY-M		
Q757	8-749-010-26	IC	MP1620-OPY-M		
Q758	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
< RESISTOR >					
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-439-11	CARBON	68K	5%	1/4W
R704	1-247-820-11	CARBON	360	5%	1/4W
R721	1-249-437-11	CARBON	47K	5%	1/4W

REAR AMP

S-A-SP

S.VIDEO

SECONDARY

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R722	1-249-421-11	CARBON	2.2K	5%	1/4W			< IC >					
R723	1-249-414-11	CARBON	560	5%	1/4W								
△ R724	1-249-408-11	CARBON	180	5%	1/4W	F	IC202	8-759-061-95	IC	SN761200			
△ R725	1-249-408-11	CARBON	180	5%	1/4W	F	IC203	8-759-061-95	IC	SN761200			
△ R726	1-233-352-41	ENCAPSULATED COMPONENT				F		< JACK >					
R727	1-247-850-11	CARBON	6.2K	5%	1/4W								
R728	1-249-419-11	CARBON	1.5K	5%	1/4W		J204	1-537-943-11	TERMINAL, S (MONITOR OUT)				
R732	1-249-437-11	CARBON	47K	5%	1/4W		J207	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO 1 IN, OUT)				
R751	1-249-417-11	CARBON	1K	5%	1/4W			< COIL >					
R752	1-249-439-11	CARBON	68K	5%	1/4W								
R753	1-249-439-11	CARBON	68K	5%	1/4W		L203	1-410-509-11	INDUCTOR, MICRO 10uH				
R754	1-247-820-11	CARBON	360	5%	1/4W			< TRANSISTOR >					
R771	1-249-437-11	CARBON	47K	5%	1/4W								
R772	1-249-421-11	CARBON	2.2K	5%	1/4W		Q251	8-729-119-76	TRANSISTOR	2SA1175-HFE			
R773	1-249-414-11	CARBON	560	5%	1/4W		Q252	8-729-620-05	TRANSISTOR	2SC2603-EF			
△ R774	1-249-408-11	CARBON	180	5%	1/4W	F	Q253	8-729-119-76	TRANSISTOR	2SA1175-HFE			
△ R775	1-249-408-11	CARBON	180	5%	1/4W	F	Q254	8-729-119-76	TRANSISTOR	2SA1175-HFE			
△ R776	1-233-352-41	ENCAPSULATED COMPONENT				F	Q255	8-729-620-05	TRANSISTOR	2SC2603-EF			
R777	1-247-850-11	CARBON	6.2K	5%	1/4W								
R778	1-249-419-11	CARBON	1.5K	5%	1/4W		Q256	8-729-119-76	TRANSISTOR	2SA1175-HFE			
R782	1-249-437-11	CARBON	47K	5%	1/4W			< RESISTOR >					
R790	1-249-417-11	CARBON	1K	5%	1/4W		R251	1-249-403-11	CARBON	68	5%	1/4W	
R793	1-249-435-11	CARBON	33K	5%	1/4W		R252	1-249-403-11	CARBON	68	5%	1/4W	
R794	1-249-425-11	CARBON	4.7K	5%	1/4W		R253	1-249-403-11	CARBON	68	5%	1/4W	
△ R798	1-249-393-11	CARBON	10	5%	1/4W	F	R254	1-249-403-11	CARBON	68	5%	1/4W	
△ R799	1-249-393-11	CARBON	10	5%	1/4W	F	R255	1-249-429-11	CARBON	10K	5%	1/4W	

*	1-665-503-11	S-A-SP BOARD											

		< CONNECTOR >											
CNP703	1-695-089-11	PIN, CONNECTOR (PC BOARD) 11P											
CNS702	1-695-096-11	SOCKET, CONNECTOR 15P											
CNS905	1-695-092-11	SOCKET, CONNECTOR 7P											

*	A-4392-885-A	S.VIDEO BOARD, COMPLETE											

		< CAPACITOR >											
C251	1-136-153-00	FILM	0.01uF	5%	50V		R256	1-249-429-11	CARBON	10K	5%	1/4W	
C252	1-136-153-00	FILM	0.01uF	5%	50V		R257	1-247-807-31	CARBON	100	5%	1/4W	
C253	1-126-960-11	ELECT	1uF	20%	50V		R258	1-249-411-11	CARBON	330	5%	1/4W	
C254	1-164-159-11	CERAMIC	0.1uF		50V		R259	1-249-403-11	CARBON	68	5%	1/4W	
C255	1-126-964-11	ELECT	10uF	20%	50V		R260	1-249-403-11	CARBON	68	5%	1/4W	
C256	1-126-964-11	ELECT	10uF	20%	50V		R261	1-249-426-11	CARBON	5.6K	5%	1/4W	
C257	1-164-159-11	CERAMIC	0.1uF		50V		R262	1-249-419-11	CARBON	1.5K	5%	1/4W	
C258	1-164-159-11	CERAMIC	0.1uF		50V		R263	1-249-430-11	CARBON	12K	5%	1/4W	
C259	1-164-159-11	CERAMIC	0.1uF		50V		R264	1-249-411-11	CARBON	330	5%	1/4W	
C260	1-126-960-11	ELECT	1uF	20%	50V		R265	1-249-426-11	CARBON	5.6K	5%	1/4W	
C261	1-126-967-11	ELECT	47uF	20%	16V		R266	1-249-403-11	CARBON	68	5%	1/4W	
		< CONNECTOR >											
C801	1-126-964-11	ELECT	10uF	20%	50V		R267	1-249-403-11	CARBON	68	5%	1/4W	
C805	1-130-781-00	FILM	0.22uF	10%	100V		R268	1-249-419-11	CARBON	1.5K	5%	1/4W	
C806	1-130-781-00	FILM	0.22uF	10%	100V		R269	1-249-430-11	CARBON	12K	5%	1/4W	
		< CONNECTOR >											
CNP801	1-564-905-11	PIN, CONNECTOR 9P											

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

SECONDARY

SP

Ref. No.	Part No.	Description	Remark
< DIODE >			
D801	8-719-302-38	DIODE RBV-602-01	
D802	8-719-024-99	DIODE 11ES2-NTA2B	
D803	8-719-024-99	DIODE 11ES2-NTA2B	
D804	8-719-024-99	DIODE 11ES2-NTA2B	
D805	8-719-024-99	DIODE 11ES2-NTA2B	
D806	8-719-014-98	DIODE UZP-8.2B	
< FUSE >			
△ F950	1-532-506-51	FUSE, TIME LAG (T6.3AL/250V)	
△ F951	1-532-506-51	FUSE, TIME LAG (T6.3AL/250V)	
< IC LINK >			
△ PS801	1-533-596-21	LINK, IC (4A)	
△ PS802	1-533-596-21	LINK, IC (4A)	

*	A-4392-886-A	SP BOARD, COMPLETE	

	7-685-872-09	SCREW +BVTT 3X8 (S)	
< CAPACITOR >			
C624	1-126-964-11	ELECT 10uF 20% 50V	
C625	1-136-157-00	FILM 0.022uF 5% 50V	
C626	1-136-153-00	FILM 0.01uF 5% 50V	
C724	1-126-964-11	ELECT 10uF 20% 50V	
C725	1-136-157-00	FILM 0.022uF 5% 50V	
C726	1-136-153-00	FILM 0.01uF 5% 50V	
C775	1-136-157-00	FILM 0.022uF 5% 50V	
C794	1-126-964-11	ELECT 10uF 20% 50V	
C795	1-126-941-11	ELECT 470uF 20% 25V	
< JACK >			
CNJ701	1-774-136-11	CONNECTOR, ROUND TYPE 6P (WIRELESS REAR SPEAKER)	
< CONNECTOR >			
CNP603	1-564-320-00	PIN, CONNECTOR 2P	
CNS703	1-695-094-11	SOCKET, CONNECTOR 11P	
< DIODE >			
D500	8-719-987-63	DIODE 1N4148M	
D543	8-719-987-63	DIODE 1N4148M	
D605	8-719-987-63	DIODE 1N4148M	
D606	8-719-987-63	DIODE 1N4148M	
D607	8-719-987-63	DIODE 1N4148M	
D649	8-719-987-63	DIODE 1N4148M	
D705	8-719-987-63	DIODE 1N4148M	
D706	8-719-987-63	DIODE 1N4148M	
D749	8-719-987-63	DIODE 1N4148M	
< IC >			
IC702	8-759-605-01	IC M5F78M18L	
< JACK >			
J501	1-770-377-31	JACK, PIN 1P (WOOFER, AUDIO OUTPUT)	

Ref. No.	Part No.	Description	Remark
< COIL >			
L601	1-411-906-11	COIL, AIR-CORE	
L701	1-411-906-11	COIL, AIR-CORE	
L751	1-411-906-11	COIL, AIR-CORE	
< TRANSISTOR >			
Q544	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q609	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q610	8-729-900-63	TRANSISTOR DTA124ES	
Q611	8-729-900-63	TRANSISTOR DTA124ES	
Q645	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q709	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q710	8-729-900-63	TRANSISTOR DTA124ES	
Q745	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q747	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q748	8-729-030-19	TRANSISTOR 2SB1640	
< RESISTOR >			
R543	1-249-429-11	CARBON 10K 5% 1/4W	
R544	1-249-425-11	CARBON 4.7K 5% 1/4W	
△ R545	1-249-393-11	CARBON 10 5% 1/4W	F
R546	1-249-421-11	CARBON 2.2K 5% 1/4W	
R629	1-247-866-11	CARBON 30K 5% 1/4W	
R630	1-249-421-11	CARBON 2.2K 5% 1/4W	
R631	1-249-433-11	CARBON 22K 5% 1/4W	
△ R633	1-249-393-11	CARBON 10 5% 1/4W	F
△ R634	1-249-389-11	CARBON 4.7 5% 1/4W	F
R635	1-249-431-11	CARBON 15K 5% 1/4W	
R636	1-249-433-11	CARBON 22K 5% 1/4W	
R646	1-249-432-11	CARBON 18K 5% 1/4W	
R647	1-249-429-11	CARBON 10K 5% 1/4W	
R648	1-249-425-11	CARBON 4.7K 5% 1/4W	
△ R649	1-249-393-11	CARBON 10 5% 1/4W	F
R729	1-247-866-11	CARBON 30K 5% 1/4W	
R730	1-249-421-11	CARBON 2.2K 5% 1/4W	
R731	1-249-433-11	CARBON 22K 5% 1/4W	
△ R733	1-249-393-11	CARBON 10 5% 1/4W	F
△ R734	1-249-389-11	CARBON 4.7 5% 1/4W	F
R735	1-249-431-11	CARBON 15K 5% 1/4W	
R737	1-249-417-11	CARBON 1K 5% 1/4W	
R738	1-247-886-11	CARBON 200K 5% 1/4W	
R743	1-249-425-11	CARBON 4.7K 5% 1/4W	
R744	1-249-425-11	CARBON 4.7K 5% 1/4W	
R745	1-249-421-11	CARBON 2.2K 5% 1/4W	
R746	1-249-421-11	CARBON 2.2K 5% 1/4W	
R747	1-249-429-11	CARBON 10K 5% 1/4W	
R748	1-249-425-11	CARBON 4.7K 5% 1/4W	
△ R749	1-249-393-11	CARBON 10 5% 1/4W	F
△ R783	1-249-393-11	CARBON 10 5% 1/4W	F
△ R784	1-249-389-11	CARBON 4.7 5% 1/4W	F
R787	1-249-417-11	CARBON 1K 5% 1/4W	
R788	1-247-886-11	CARBON 200K 5% 1/4W	
< RELAY >			
RY503	1-515-793-11	RELAY	
RY601	1-515-920-11	RELAY (24V)	
RY701	1-515-920-11	RELAY (24V)	

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

Ref. No.	Part No.	Description	Remark
		< TERMINAL >	
* TM701	1-537-882-11	TERMINAL BOARD 6P (SURROUND SPEAKERS, REAR, CENTER)	

*	1-665-470-11	SP SW BOARD *****	
		< CONNECTOR >	
* CNS101	1-695-808-11	CONNECTOR, PC BOARD 8P	
		< DIODE >	
D152	8-719-987-63	DIODE 1N4148M	
D153	8-719-987-63	DIODE 1N4148M	
		< SWITCH >	
S136	1-762-751-11	SWITCH, TACTILE (DPC MODE)	
S137	1-554-118-00	SWITCH, PUSH (1 KEY) (POWER)	
S155	1-762-268-11	SWITCH, ROTARY (SPEAKERS)	

*	A-4392-888-A	STANDBY BOARD, COMPLETE (AEP,UK)	
*	A-4392-890-A	STANDBY BOARD, COMPLETE (SP,MY)	
*	A-4403-723-A	STANDBY BOARD, COMPLETE (CH) *****	
	1-533-217-31	HOLDER, FUSE	
		< CAPACITOR >	
C901	1-136-157-00	FILM 0.022uF 5% 50V	
C902	1-136-157-00	FILM 0.022uF 5% 50V	
C903	1-126-768-11	ELECT 2200uF 20% 16V	
C904	1-126-960-11	ELECT 1uF 20% 50V	
C905	1-126-959-11	ELECT 0.47uF 20% 50V	
C906	1-124-464-11	ELECT 0.22uF 20% 50V	
C913	1-164-159-11	CERAMIC 0.1uF 50V	
C914	1-164-159-11	CERAMIC 0.1uF 50V	
C915	1-136-173-00	FILM 0.47uF 5% 50V	
C916	1-164-159-11	CERAMIC 0.1uF 50V	
C917	1-164-159-11	CERAMIC 0.1uF 50V	
		< JACK >	
△ CNJ901	1-540-041-11	OUTLET, AC (NONPOLAR) (2P) (AC OUTLET) (CH)	
		< CONNECTOR >	
CNP903	1-564-321-00	PIN, CONNECTOR 2P	
* CNP904	1-580-230-21	PIN, CONNECTOR (PC BOARD) 2P (VE610)	
CNP905	1-695-087-11	PIN, CONNECTOR (PC BOARD) 7P	
		< DIODE >	
D901	8-719-024-99	DIODE 11ES2-NTA2B	
D902	8-719-024-99	DIODE 11ES2-NTA2B	
D903	8-719-024-99	DIODE 11ES2-NTA2B	
D904	8-719-024-99	DIODE 11ES2-NTA2B	
D905	8-719-987-63	DIODE 1N4148M	
D906	8-719-987-63	DIODE 1N4148M	

Ref. No.	Part No.	Description	Remark
D907	8-719-987-63	DIODE 1N4148M	
		< TERMINAL, EARTH >	
* EB900	1-537-738-21	TERMINAL, EARTH	
		< FUSE >	
△ F901	1-532-504-51	FUSE, TIME LAG (T4AL/250V)	
△ F902	1-532-464-51	FUSE, TIME LAG (T2.5AL/250V)	
		< IC >	
IC901	8-759-333-83	IC NJM2103D	
		< TRANSISTOR >	
Q901	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q902	8-729-030-18	TRANSISTOR 2SD2525	
		< RESISTOR >	
R902	1-249-429-11	CARBON 10K 5% 1/4W	
R903	1-249-425-11	CARBON 4.7K 5% 1/4W	
R904	1-249-417-11	CARBON 1K 5% 1/4W	
R905	1-249-428-11	CARBON 8.2K 5% 1/4W	
R906	1-249-421-11	CARBON 2.2K 5% 1/4W	
R908	1-249-433-11	CARBON 22K 5% 1/4W	
R909	1-249-439-11	CARBON 68K 5% 1/4W	
R910	1-249-437-11	CARBON 47K 5% 1/4W	
R912	1-249-430-11	CARBON 12K 5% 1/4W	
		< RELAY >	
△ RY901	1-515-999-11	RELAY, POWER	
		< TRANSFORMER >	
△ T902	1-450-358-11	TRANSFORMER, POWER	

*	A-4392-874-A	SURR BOARD, COMPLETE (AEP,UK)	
*	A-4392-875-A	SURR BOARD, COMPLETE (SP,MY,CH) *****	
		< CAPACITOR >	
C301	1-126-963-11	ELECT 4.7uF 20% 50V	
C302	1-162-282-31	CERAMIC 100PF 10% 50V	
C303	1-126-967-11	ELECT 47uF 20% 16V	
C304	1-130-480-00	MYLAR 0.0056uF 5% 50V	
C305	1-130-473-00	MYLAR 0.0015uF 5% 50V	
C306	1-126-960-11	ELECT 1uF 20% 50V	
C307	1-164-159-11	CERAMIC 0.1uF 50V	
C351	1-126-963-11	ELECT 4.7uF 20% 50V	
C352	1-162-282-31	CERAMIC 100PF 10% 50V	
C353	1-126-967-11	ELECT 47uF 20% 16V	
C354	1-130-480-00	MYLAR 0.0056uF 5% 50V	
C355	1-130-473-00	MYLAR 0.0015uF 5% 50V	
C356	1-126-960-11	ELECT 1uF 20% 50V	
C357	1-164-159-11	CERAMIC 0.1uF 50V	
C394	1-126-967-11	ELECT 47uF 20% 16V	
C395	1-126-967-11	ELECT 47uF 20% 16V	
C396	1-162-282-31	CERAMIC 100PF 10% 50V	

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Replace only with part number specified.

SURR

Ref. No.	Part No.	Description	Remark		
C397	1-162-294-31	CERAMIC	0.001uF	10%	50V
C401	1-126-964-11	ELECT	10uF	20%	50V
C402	1-126-964-11	ELECT	10uF	20%	50V
C403	1-126-964-11	ELECT	10uF	20%	50V
C404	1-162-199-31	CERAMIC	10PF	5%	50V
C405	1-162-199-31	CERAMIC	10PF	5%	50V
C406	1-126-964-11	ELECT	10uF	20%	50V
C410	1-164-159-11	CERAMIC	0.1uF		50V
C413	1-126-964-11	ELECT	10uF	20%	50V
C420	1-136-165-00	FILM	0.1uF	5%	50V
C421	1-126-933-11	ELECT	100uF	20%	16V
C422	1-164-159-11	CERAMIC	0.1uF		50V
C423	1-126-933-11	ELECT	100uF	20%	16V
C424	1-164-159-11	CERAMIC	0.1uF		50V
C425	1-128-551-11	ELECT	22uF	20%	25V
C426	1-136-177-00	FILM	1uF	5%	50V
C427	1-136-153-00	FILM	0.01uF	5%	50V
C428	1-130-474-00	MYLAR	0.0018uF	5%	50V
C429	1-136-163-00	FILM	0.068uF	5%	50V
C430	1-136-165-00	FILM	0.1uF	5%	50V
C431	1-136-165-00	FILM	0.1uF	5%	50V
C432	1-136-163-00	FILM	0.068uF	5%	50V
C433	1-136-153-00	FILM	0.01uF	5%	50V
C434	1-130-474-00	MYLAR	0.0018uF	5%	50V
C435	1-136-163-00	FILM	0.068uF	5%	50V
C436	1-136-165-00	FILM	0.1uF	5%	50V
C437	1-130-467-00	MYLAR	470PF	5%	50V
C438	1-136-165-00	FILM	0.1uF	5%	50V
C439	1-130-470-00	MYLAR	820PF	5%	50V
C440	1-130-480-00	MYLAR	0.0056uF	5%	50V
C441	1-136-161-00	FILM	0.047uF	5%	50V
C442	1-136-175-00	FILM	0.68uF	5%	50V
C443	1-136-169-00	FILM	0.22uF	5%	50V
C444	1-136-169-00	FILM	0.22uF	5%	50V
C445	1-126-963-11	ELECT	4.7uF	20%	50V
C446	1-126-963-11	ELECT	4.7uF	20%	50V
C447	1-136-169-00	FILM	0.22uF	5%	50V
C448	1-136-169-00	FILM	0.22uF	5%	50V
C449	1-136-165-00	FILM	0.1uF	5%	50V
C450	1-136-161-00	FILM	0.047uF	5%	50V
C451	1-126-964-11	ELECT	10uF	20%	50V
C452	1-126-964-11	ELECT	10uF	20%	50V
C453	1-126-964-11	ELECT	10uF	20%	50V
C454	1-162-199-31	CERAMIC	10PF	5%	50V
C455	1-162-199-31	CERAMIC	10PF	5%	50V
C456	1-126-964-11	ELECT	10uF	20%	50V
C460	1-164-159-11	CERAMIC	0.1uF		50V
C463	1-126-964-11	ELECT	10uF	20%	50V
C469	1-126-963-11	ELECT	4.7uF	20%	50V
C470	1-136-161-00	FILM	0.047uF	5%	50V
C471	1-136-165-00	FILM	0.1uF	5%	50V
C472	1-136-165-00	FILM	0.1uF	5%	50V
C473	1-136-157-00	FILM	0.022uF	5%	50V
C474	1-136-157-00	FILM	0.022uF	5%	50V
C475	1-136-165-00	FILM	0.1uF	5%	50V
C476	1-130-469-00	MYLAR	680PF	5%	50V
C477	1-126-967-11	ELECT	47uF	20%	16V
C478	1-136-165-00	FILM	0.1uF	5%	50V

Ref. No.	Part No.	Description	Remark		
C479	1-136-165-00	FILM	0.1uF	5%	50V
C480	1-130-469-00	MYLAR	680PF	5%	50V
C481	1-136-165-00	FILM	0.1uF	5%	50V
C482	1-136-165-00	FILM	0.1uF	5%	50V
C483	1-126-967-11	ELECT	47uF	20%	16V
C484	1-126-933-11	ELECT	100uF	20%	16V
C485	1-164-159-11	CERAMIC	0.1uF		50V
C486	1-126-964-11	ELECT	10uF	20%	50V
C489	1-164-159-11	CERAMIC	0.1uF		50V
C490	1-126-923-11	ELECT	220uF	20%	10V
C491	1-126-963-11	ELECT	4.7uF	20%	50V
C492	1-130-481-00	MYLAR	0.0068uF	5%	50V
C493	1-136-165-00	FILM	0.1uF	5%	50V
C494	1-136-165-00	FILM	0.1uF	5%	50V
C497	1-162-215-31	CERAMIC	47PF	5%	50V
C501	1-126-964-11	ELECT	10uF	20%	50V
C502	1-162-282-31	CERAMIC	100PF	10%	50V
C503	1-107-601-11	CERAMIC	33PF	5%	500V
C505	1-126-933-11	ELECT	100uF	20%	16V
C508	1-136-163-00	FILM	0.068uF	5%	50V
C509	1-136-154-00	FILM	0.012uF	5%	50V
C511	1-130-476-00	MYLAR	0.0027uF	5%	50V
C512	1-136-157-00	FILM	0.022uF	5%	50V
C513	1-136-171-00	FILM	0.33uF	5%	50V
C514	1-136-159-00	FILM	0.033uF	5%	50V
C527	1-126-964-11	ELECT	10uF	20%	50V
C539	1-162-282-31	CERAMIC	100PF	10%	50V
C551	1-126-964-11	ELECT	10uF	20%	50V
C552	1-162-282-31	CERAMIC	100PF	10%	50V
C553	1-107-601-11	CERAMIC	33PF	5%	500V
C555	1-126-933-11	ELECT	100uF	20%	16V
C558	1-136-163-00	FILM	0.068uF	5%	50V
C559	1-136-154-00	FILM	0.012uF	5%	50V
C561	1-130-476-00	MYLAR	0.0027uF	5%	50V
C562	1-136-157-00	FILM	0.022uF	5%	50V
C563	1-136-171-00	FILM	0.33uF	5%	50V
C564	1-136-159-00	FILM	0.033uF	5%	50V
C577	1-126-964-11	ELECT	10uF	20%	50V
C580	1-162-294-31	CERAMIC	0.001uF	10%	50V
C581	1-126-964-11	ELECT	10uF	20%	50V
C589	1-162-282-31	CERAMIC	100PF	10%	50V
C592	1-126-965-11	ELECT	22uF	20%	50V
C593	1-126-923-11	ELECT	220uF	20%	10V
C594	1-128-560-11	ELECT	22uF	20%	100V
C595	1-128-560-11	ELECT	22uF	20%	100V
C596	1-164-159-11	CERAMIC	0.1uF		50V
C597	1-162-282-31	CERAMIC	100PF	10%	50V
C599	1-126-967-11	ELECT	47uF	20%	16V
C601	1-126-964-11	ELECT	10uF	20%	50V
C602	1-162-282-31	CERAMIC	100PF	10%	50V
C603	1-102-989-00	CERAMIC	68PF	5%	500V
C604	1-164-040-11	CERAMIC	4PF	0.25PF	50V
C605	1-126-967-11	ELECT	47uF	20%	16V
C606	1-102-989-00	CERAMIC	68PF	5%	500V
CC01	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)
CC02	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
CC03	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)	L402	1-410-509-11	INDUCTOR	10uH		
CC04	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)	L403	1-410-509-11	INDUCTOR	10uH		
CC05	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)	L404	1-410-509-11	INDUCTOR	10uH		
CC06	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)	< TRANSISTOR >					
CC51	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)	Q402	8-729-922-37	TRANSISTOR	2SD2144S		
CC52	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)	Q410	8-729-119-79	TRANSISTOR	2SC2785-FEK		
CC53	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)	Q411	8-729-900-63	TRANSISTOR	DTA124ES		
CC54	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)	Q412	8-729-900-63	TRANSISTOR	DTA124ES		
CC55	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)	Q413	8-729-900-63	TRANSISTOR	DTA124ES		
CC56	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK)	Q414	8-729-900-63	TRANSISTOR	DTA124ES		
< CONNECTOR >						Q415	8-729-900-36	TRANSISTOR	DTC124ES		
CNP250	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				Q416	8-729-900-36	TRANSISTOR	DTC124ES		
CNP303	1-695-091-11	PIN, CONNECTOR (PC BOARD) 15P				Q452	8-729-922-37	TRANSISTOR	2SD2144S		
CNP403	1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P				Q501	8-729-202-67	TRANSISTOR	2SK246-GR3		
CNP404	1-695-089-11	PIN, CONNECTOR (PC BOARD) 11P				Q502	8-729-141-30	TRANSISTOR	2SC3623A-LK		
CNS106	1-569-323-11	SOCKET, CONNECTOR 19P				Q503	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA		
CNS401	1-569-323-11	SOCKET, CONNECTOR 19P				Q551	8-729-202-67	TRANSISTOR	2SK246-GR3		
CNS501	1-770-404-11	HOUSING,CONNECTOR (PC BOARD)11P				Q552	8-729-141-30	TRANSISTOR	2SC3623A-LK		
CNS601	1-770-404-11	HOUSING,CONNECTOR (PC BOARD)11P				< RESISTOR >					
< DIODE >						R301	1-249-409-11	CARBON	220	5%	1/4W
D401	8-719-987-63	DIODE 1N4148M				R302	1-249-441-11	CARBON	100K	5%	1/4W
D402	8-719-987-63	DIODE 1N4148M				R303	1-249-441-11	CARBON	100K	5%	1/4W
D403	8-719-024-99	DIODE 11ES2-NTA2B				R304	1-249-416-11	CARBON	820	5%	1/4W
< TERMINAL, EARTH >						R305	1-247-897-11	CARBON	560K	5%	1/4W
* EB301	1-537-738-21	TERMINAL, EARTH				R306	1-249-437-11	CARBON	47K	5%	1/4W
< IC >						R307	1-249-441-11	CARBON	100K	5%	1/4W
IC301	8-759-805-14	IC LC7822				R308	1-247-807-31	CARBON	100	5%	1/4W
IC302	8-759-636-74	IC M5218AP-22				R309	1-249-417-11	CARBON	1K	5%	1/4W
IC401	8-759-392-97	IC M62460FP				R310	1-249-425-11	CARBON	4.7K	5%	1/4W
IC402	8-759-634-51	IC M5218AP				R311	1-249-417-11	CARBON	1K	5%	1/4W
IC403	8-759-634-51	IC M5218AP				R312	1-249-425-11	CARBON	4.7K	5%	1/4W
IC404	8-759-634-51	IC M5218AP				R351	1-249-409-11	CARBON	220	5%	1/4W
IC407	8-759-189-27	IC M5278L10-TP				R352	1-249-441-11	CARBON	100K	5%	1/4W
IC408	8-759-708-05	IC NJM78L05A				R353	1-249-441-11	CARBON	100K	5%	1/4W
IC501	8-759-326-52	IC uPC2581V				R354	1-249-416-11	CARBON	820	5%	1/4W
IC502	8-759-462-99	IC TC9184P				R355	1-247-897-11	CARBON	560K	5%	1/4W
IC601	8-749-011-16	IC STK350-230				R356	1-249-437-11	CARBON	47K	5%	1/4W
< JACK >						R357	1-249-441-11	CARBON	100K	5%	1/4W
J301	1-770-015-11	JACK, PIN 6P (PHONO, TUNER, CD IN)				R358	1-247-807-31	CARBON	100	5%	1/4W
J302	1-695-188-31	JACK, PIN 4P (TAPE/MD REC OUT IN)				R359	1-249-417-11	CARBON	1K	5%	1/4W
< COIL >						R360	1-249-425-11	CARBON	4.7K	5%	1/4W
L401	1-410-509-11	INDUCTOR	10uH			R361	1-249-417-11	CARBON	1K	5%	1/4W
						R362	1-249-425-11	CARBON	4.7K	5%	1/4W
						R394	1-247-807-31	CARBON	100	5%	1/4W
						R395	1-247-807-31	CARBON	100	5%	1/4W
						R396	1-249-417-11	CARBON	1K	5%	1/4W
						R397	1-249-425-11	CARBON	4.7K	5%	1/4W
						R401	1-249-433-11	CARBON	22K	5%	1/4W
						R402	1-249-434-11	CARBON	27K	5%	1/4W
						R403	1-249-417-11	CARBON	1K	5%	1/4W
						R404	1-249-425-11	CARBON	4.7K	5%	1/4W
						R405	1-249-440-11	CARBON	82K	5%	1/4W
						R406	1-247-895-00	CARBON	470K	5%	1/4W
						R407	1-249-441-11	CARBON	100K	5%	1/4W
						R408	1-249-429-11	CARBON	10K	5%	1/4W

SURR

Ref. No.	Part No.	Description			Remark
R409	1-249-433-11	CARBON	22K	5%	1/4W
R414	1-249-417-11	CARBON	1K	5%	1/4W
R415	1-249-425-11	CARBON	4.7K	5%	1/4W
R426	1-249-429-11	CARBON	10K	5%	1/4W
R427	1-249-429-11	CARBON	10K	5%	1/4W
R428	1-247-903-00	CARBON	1M	5%	1/4W
R429	1-247-872-11	CARBON	51K	5%	1/4W
R430	1-247-887-00	CARBON	220K	5%	1/4W
R431	1-247-864-11	CARBON	24K	5%	1/4W
R432	1-247-864-11	CARBON	24K	5%	1/4W
R433	1-247-891-00	CARBON	330K	5%	1/4W
R434	1-249-437-11	CARBON	47K	5%	1/4W
R435	1-249-431-11	CARBON	15K	5%	1/4W
R436	1-247-852-11	CARBON	7.5K	5%	1/4W
R437	1-249-437-11	CARBON	47K	5%	1/4W
R438	1-249-431-11	CARBON	15K	5%	1/4W
R439	1-247-852-11	CARBON	7.5K	5%	1/4W
R440	1-259-880-11	CARBON	2.2M	5%	1/4W
R441	1-249-441-11	CARBON	100K	5%	1/4W
R442	1-247-883-00	CARBON	150K	5%	1/4W
R443	1-249-431-11	CARBON	15K	5%	1/4W
R444	1-249-429-11	CARBON	10K	5%	1/4W
R445	1-249-429-11	CARBON	10K	5%	1/4W
R446	1-249-419-11	CARBON	1.5K	5%	1/4W
R447	1-249-429-11	CARBON	10K	5%	1/4W
R448	1-249-429-11	CARBON	10K	5%	1/4W
R449	1-249-425-11	CARBON	4.7K	5%	1/4W
R450	1-249-441-11	CARBON	100K	5%	1/4W
R451	1-249-433-11	CARBON	22K	5%	1/4W
R452	1-249-434-11	CARBON	27K	5%	1/4W
R453	1-249-417-11	CARBON	1K	5%	1/4W
R454	1-249-425-11	CARBON	4.7K	5%	1/4W
R455	1-249-440-11	CARBON	82K	5%	1/4W
R456	1-247-895-00	CARBON	470K	5%	1/4W
R457	1-249-441-11	CARBON	100K	5%	1/4W
R458	1-249-429-11	CARBON	10K	5%	1/4W
R459	1-249-433-11	CARBON	22K	5%	1/4W
R464	1-249-417-11	CARBON	1K	5%	1/4W
R465	1-249-425-11	CARBON	4.7K	5%	1/4W
R475	1-247-872-11	CARBON	51K	5%	1/4W
R483	1-249-441-11	CARBON	100K	5%	1/4W
R484	1-249-441-11	CARBON	100K	5%	1/4W
R485	1-249-441-11	CARBON	100K	5%	1/4W
R486	1-249-437-11	CARBON	47K	5%	1/4W
R487	1-249-437-11	CARBON	47K	5%	1/4W
R488	1-249-437-11	CARBON	47K	5%	1/4W
R489	1-249-437-11	CARBON	47K	5%	1/4W
R493	1-249-417-11	CARBON	1K	5%	1/4W
R494	1-249-429-11	CARBON	10K	5%	1/4W
R495	1-249-421-11	CARBON	2.2K	5%	1/4W
R496	1-249-421-11	CARBON	2.2K	5%	1/4W
R497	1-247-887-00	CARBON	220K	5%	1/4W
R498	1-247-887-00	CARBON	220K	5%	1/4W
R499	1-249-417-11	CARBON	1K	5%	1/4W
R500	1-249-417-11	CARBON	1K	5%	1/4W
R501	1-249-417-11	CARBON	1K	5%	1/4W
R502	1-249-439-11	CARBON	68K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R503	1-249-439-11	CARBON	68K	5%	1/4W
R504	1-247-820-11	CARBON	360	5%	1/4W
R508	1-249-436-11	CARBON	39K	5%	1/4W
R509	1-247-903-00	CARBON	1M	5%	1/4W
R510	1-249-425-11	CARBON	4.7K	5%	1/4W
R511	1-249-434-11	CARBON	27K	5%	1/4W
R513	1-249-426-11	CARBON	5.6K	5%	1/4W
R514	1-249-418-11	CARBON	1.2K	5%	1/4W
R515	1-249-441-11	CARBON	100K	5%	1/4W
R516	1-247-843-11	CARBON	3.3K	5%	1/4W
R517	1-247-883-00	CARBON	150K	5%	1/4W
R518	1-249-427-11	CARBON	6.8K	5%	1/4W
R519	1-249-413-11	CARBON	470	5%	1/4W
R536	1-247-897-11	CARBON	560K	5%	1/4W
R537	1-249-417-11	CARBON	1K	5%	1/4W
R551	1-249-417-11	CARBON	1K	5%	1/4W
R552	1-249-439-11	CARBON	68K	5%	1/4W
R553	1-249-439-11	CARBON	68K	5%	1/4W
R554	1-247-820-11	CARBON	360	5%	1/4W
R555	1-249-419-11	CARBON	1.5K	5%	1/4W
△ R556	1-249-393-11	CARBON	10	5%	1/4W F
△ R557	1-249-393-11	CARBON	10	5%	1/4W F
R558	1-249-436-11	CARBON	39K	5%	1/4W
R559	1-247-903-00	CARBON	1M	5%	1/4W
R560	1-249-425-11	CARBON	4.7K	5%	1/4W
R561	1-249-434-11	CARBON	27K	5%	1/4W
R563	1-249-426-11	CARBON	5.6K	5%	1/4W
R564	1-249-418-11	CARBON	1.2K	5%	1/4W
R565	1-249-441-11	CARBON	100K	5%	1/4W
R566	1-247-843-11	CARBON	3.3K	5%	1/4W
R567	1-247-883-00	CARBON	150K	5%	1/4W
R568	1-249-427-11	CARBON	6.8K	5%	1/4W
R569	1-249-413-11	CARBON	470	5%	1/4W
R591	1-247-897-11	CARBON	560K	5%	1/4W
R592	1-249-425-11	CARBON	4.7K	5%	1/4W
R593	1-249-435-11	CARBON	33K	5%	1/4W
R594	1-249-425-11	CARBON	4.7K	5%	1/4W
R595	1-247-903-00	CARBON	1M	5%	1/4W
R596	1-249-419-11	CARBON	1.5K	5%	1/4W
R599	1-249-425-11	CARBON	4.7K	5%	1/4W
R601	1-249-417-11	CARBON	1K	5%	1/4W
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-247-820-11	CARBON	360	5%	1/4W
R604	1-249-439-11	CARBON	68K	5%	1/4W
R605	1-249-413-11	CARBON	470	5%	1/4W
RR01	1-249-418-11	CARBON	1.2K	5%	1/4W
RR51	1-249-418-11	CARBON	1.2K	5%	(AEP,UK) 1/4W (AEP,UK)
		< RELAY >			
RY401	1-515-614-11	RELAY			
		< VIBRATOR >			
X401	1-567-819-11	VIBRATOR, CERAMIC (4MHz)			

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

SURR

SURR-AUDIO

SW

VIDEO

Ref. No.	Part No.	Description	Remark			
*	1-667-721-11	SURR-AUDIO BOARD *****				
< CONNECTOR >						
CNP302	1-695-091-11	PIN, CONNECTOR (PC BOARD) 15P				
CNS303	1-695-096-11	SOCKET, CONNECTOR 15P				

*	1-665-496-11	SW BOARD *****				
< CONNECTOR >						
CNS103	1-770-397-11	HOUSING, CONNECTOR(PC BOARD)4P				
< RESISTOR >						
R169	1-249-411-11	CARBON	330	5%	1/4W	
R170	1-249-413-11	CARBON	470	5%	1/4W	
R171	1-249-415-11	CARBON	680	5%	1/4W	
R172	1-249-417-11	CARBON	1K	5%	1/4W	
R173	1-249-419-11	CARBON	1.5K	5%	1/4W	
R174	1-249-421-11	CARBON	2.2K	5%	1/4W	
R175	1-249-425-11	CARBON	4.7K	5%	1/4W	
R176	1-249-411-11	CARBON	330	5%	1/4W	
R177	1-249-413-11	CARBON	470	5%	1/4W	
R178	1-249-415-11	CARBON	680	5%	1/4W	
R179	1-249-417-11	CARBON	1K	5%	1/4W	
R180	1-249-419-11	CARBON	1.5K	5%	1/4W	
R181	1-249-421-11	CARBON	2.2K	5%	1/4W	
R182	1-249-411-11	CARBON	330	5%	1/4W	
R183	1-249-413-11	CARBON	470	5%	1/4W	
R184	1-249-415-11	CARBON	680	5%	1/4W	
R185	1-249-417-11	CARBON	1K	5%	1/4W	
R186	1-249-419-11	CARBON	1.5K	5%	1/4W	
R187	1-249-421-11	CARBON	2.2K	5%	1/4W	
< SWITCH >						
S105	1-762-751-11	SWITCH, TACTILE (DIRECT PASS)				
S106	1-762-751-11	SWITCH, TACTILE (GENRE)				
S107	1-762-751-11	SWITCH, TACTILE (SET UP)				
S108	1-762-751-11	SWITCH, TACTILE (MODE)				
S113	1-762-751-11	SWITCH, TACTILE (AUDIO FUNCTION)				
S114	1-762-751-11	SWITCH, TACTILE (SOUND FIELD ON/OFF)				
S115	1-762-751-11	SWITCH, TACTILE (AUDIO FUNCTION)				
S120	1-762-751-11	SWITCH, TACTILE (VIDEO FUNCTION)				
S121	1-762-751-11	SWITCH, TACTILE (5.1/DVD INPUT)				
S122	1-762-751-11	SWITCH, TACTILE (VIDEO FUNCTION)				

*	A-4392-866-A	VIDEO BOARD, COMPLETE *****				
< CAPACITOR >						
C201	1-126-960-11	ELECT	1uF	20%	50V	
C202	1-126-960-11	ELECT	1uF	20%	50V	
C203	1-126-960-11	ELECT	1uF	20%	50V	
C204	1-126-964-11	ELECT	10uF	20%	50V	
C205	1-126-964-11	ELECT	10uF	20%	50V	
C206	1-126-964-11	ELECT	10uF	20%	50V	

Ref. No.	Part No.	Description	Remark			
C207	1-126-933-11	ELECT	100uF	20%	16V	
C208	1-126-933-11	ELECT	100uF	20%	16V	
C209	1-164-159-11	CERAMIC	0.1uF		50V	
C210	1-164-159-11	CERAMIC	0.1uF		50V	
C212	1-164-159-11	CERAMIC	0.1uF		50V	
C213	1-126-963-11	ELECT	4.7uF	20%	50V	
C214	1-126-964-11	ELECT	10uF	20%	50V	
< CONNECTOR >						
CNS201	1-695-092-11	SOCKET, CONNECTOR 7P				
* CNS202	1-568-826-11	SOCKET, CONNECTOR 7P				
< IC >						
IC201	8-759-061-95	IC SN761200				
< JACK >						
J201	1-766-399-11	JACK, PIN 3P (MONITOR VIDEO OUT,VIDEO 1 VIDEO IN OUT)				
J202	1-766-400-11	JACK, PIN 2P (VIDEO 2 VIDEO IN OUT)				
J203	1-766-400-11	JACK, PIN 2P (TV/LD VIDEO IN,5.1/DVD VIDEO IN)				
< COIL >						
L201	1-410-521-11	INDUCTOR	100uH			
L202	1-410-521-11	INDUCTOR	100uH			
< TRANSISTOR >						
Q201	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q202	8-729-620-05	TRANSISTOR	2SC2603-EF			
Q203	8-729-620-05	TRANSISTOR	2SC2603-EF			
Q204	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q205	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q206	8-729-620-05	TRANSISTOR	2SC2603-EF			
Q207	8-729-922-37	TRANSISTOR	2SD2144S			
Q208	8-729-922-37	TRANSISTOR	2SD2144S			
Q209	8-729-922-37	TRANSISTOR	2SD2144S			
Q210	8-729-922-37	TRANSISTOR	2SD2144S			
< RESISTOR >						
R201	1-249-403-11	CARBON	68	5%	1/4W	
R202	1-249-403-11	CARBON	68	5%	1/4W	
R203	1-249-403-11	CARBON	68	5%	1/4W	
R204	1-249-403-11	CARBON	68	5%	1/4W	
R205	1-249-403-11	CARBON	68	5%	1/4W	
R206	1-249-403-11	CARBON	68	5%	1/4W	
R207	1-249-403-11	CARBON	68	5%	1/4W	
R208	1-249-430-11	CARBON	12K	5%	1/4W	
R209	1-249-419-11	CARBON	1.5K	5%	1/4W	
R210	1-249-426-11	CARBON	5.6K	5%	1/4W	
R211	1-249-430-11	CARBON	12K	5%	1/4W	
R212	1-249-419-11	CARBON	1.5K	5%	1/4W	
R213	1-249-426-11	CARBON	5.6K	5%	1/4W	
R214	1-249-403-11	CARBON	68	5%	1/4W	
R215	1-249-403-11	CARBON	68	5%	1/4W	
R216	1-247-807-31	CARBON	100	5%	1/4W	
R217	1-249-430-11	CARBON	12K	5%	1/4W	
R218	1-249-419-11	CARBON	1.5K	5%	1/4W	
R219	1-249-426-11	CARBON	5.6K	5%	1/4W	

VIDEO

VIDEO (3)

VOL

Ref. No.	Part No.	Description	Remark		
R220	1-249-403-11	CARBON	68	5%	1/4W
R230	1-249-417-11	CARBON	1K	5%	1/4W

*	1-665-502-11	VIDEO(3) BOARD			

		< CAPACITOR >			
CC14	1-162-282-31	CERAMIC	100PF	10%	50V
CC64	1-162-282-31	CERAMIC	100PF	10%	(AEP,UK)
C299	1-164-159-11	CERAMIC	0.1uF		50V
		< JACK >			
J299	1-764-190-11	JACK, PIN 3P (VIDEO 3 INPUT)			
		< RESISTOR >			
R297	1-249-403-11	CARBON	68	5%	1/4W
R298	1-249-403-11	CARBON	68	5%	1/4W
R299	1-249-403-11	CARBON	68	5%	1/4W
R316	1-249-417-11	CARBON	1K	5%	1/4W
R366	1-249-417-11	CARBON	1K	5%	1/4W

*	1-665-466-11	VOL BOARD (AEP,UK)			
*	1-665-477-11	VOL BOARD (SP,MY,CH)			

		< CAPACITOR >			
C497	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CNP102	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P			
CNS402	1-569-323-11	SOCKET, CONNECTOR 19P			
CNS410	1-750-179-11	SOCKET, CONNECTOR 5P			
		< VARIABLE RESISTOR >			
RV401	1-225-446-11	RES, VAR, CARBON 100KX6			
		(MASTER VOLUME)			

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	*****
19	1-773-130-11	WIRE (FLAT TYPE) (19 CORE) (100mm)	
22	1-773-115-11	WIRE (FLAT TYPE) (19 CORE) (320mm)	
57	1-773-108-11	WIRE (FLAT TYPE) (19 CORE) (160mm)	
△ 60	1-769-744-11	CORD, POWER	
67	1-769-878-11	WIRE (FLAT TYPE) (7 CORE)	
△ 68	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
103	1-533-217-31	HOLDER, FUSE	
△ CNJ909	1-526-794-11	OUTLET, AC (VE610)	
△ F901	1-532-504-51	FUSE, TIME LAG (T4AL/250V)	
△ F902	1-532-464-51	FUSE, TIME LAG (T2.5AL/250V)	
△ F950	1-532-506-51	FUSE, TIME LAG (T6.3AL/250V)	
△ F951	1-532-506-51	FUSE, TIME LAG (T6.3AL/250V)	
FL101	1-517-672-11	INDICATOR TUBE, FLUORESCENT	
△ T902	1-431-273-11	TRANSFORMER, POWER	

ACCESSORIES & PACKING MATERIALS			

	1-475-135-11	REMOTE COMMANDER (RM-U501)	
	3-861-069-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH,DUTCH,SWEDISH) (AEP,UK)	
	3-861-069-21	MANUAL, INSTRUCTION(GERMAM,SPANISH, ITALIAN,PORTUGUESE) (AEP)	
	3-861-069-41	MANUAL, INSTRUCTION (ENGLISH,CHINESE) (SP,MY)	
	3-861-069-51	MANUAL, INSTRUCTION (ENGLISH,CHINESE) (CH)	
	4-983-536-01	LID, BATTERY (FOR RM-U501)	

HARDWARE LIST			

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-872-09	SCREW +BVTT 3X8 (S)	
#3	7-685-881-09	SCREW +BVTT 4X8 (S)	

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