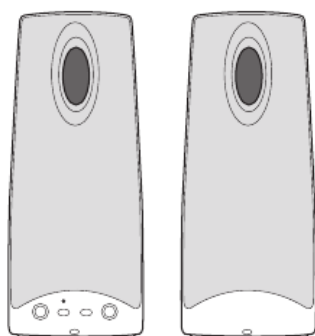




SC-A48 ALH(B)

SC-C48 AU(W)

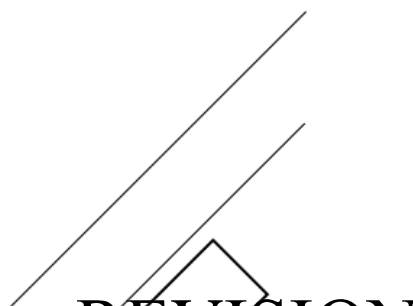


SERVICE MANUAL

ACTIVE SPEAKER

This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
SC-A48 AU(S/M Code No.09-994-328-6T2).

anwa



SPECIFICATIONS

ALH MODEL

Power requirements	Domestic AC power using the supplied AC adaptor
Speakers	77 mm full range antimagnetic type speakers/4 Ω (2)
Power output	Rated: 4 W + 4 W (4 Ω, T.H.D. 1%, 1kHz)
Frequency response	70 Hz – 20 kHz
Input terminals/sensitivity	INPUT: 300 mV/5 kΩ, stereo mini-plug (1)
Dimensions (W/H/D)	85 × 210 × 160 mm
Weight	L: 582 g/R: 682 g

- Design and specifications are subject to change without notice .

AU MODEL

Power requirements	Domestic AC power using the supplied AC adaptor
Speakers	77 mm full range antimagnetic type speakers/4 Ω (2)
Power output	4 W+4 W (150 Hz-20 kHz, T.H.D less than 1%, 4 Ω)
Frequency response	70 Hz-20 kHz
Input terminals/sensitivity	INPUT: 300 mV/5 k Ω , stereo mini-plug (1)
Dimensions (W/H/D)	85 * 210 * 160 mm (3 ³ / ₈ * 8 ³ / ₈ * 6 ³ / ₈ in.)
Weight	L: 582 g (1.3 lbs.)/R: 682 g (1.5 lbs.)

- Design and specifications are subject to change without notice .

ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
	1	88-YP7-906-010	IB, LH (ESP) <ALHB>
	1	88-YP7-905-010	IB, U (ESF) <AUWC>
!	2	87-B30-218-010	AC ADAPTOR, AC-D1301HRNC<ALHB>
!	2	87-B30-219-010	AC ADAPTOR, AC-D1301UNC<AUWC>
!	3	87-099-789-010	PLUG, ADPTR IR44<ALHB>

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C18	87-010-400-080		CAP, ELECT 0.47-50V
	87-017-982-010	IC, BA5412		C21	87-010-405-080		CAP, ELECT 10-50V
	87-A20-946-040	C-IC, MM1434XF		C22	87-010-405-080		CAP, ELECT 10-50V
	87-017-888-080	IC, NJM4558MD		C23	87-010-178-080		CHIP CAP 1000P
TRANSISTOR				C24	87-010-178-080		CHIP CAP 1000P
				C25	87-010-237-080		CAP, ELECT 1000-16V
				C26	87-010-237-080		CAP, ELECT 1000-16V
	89-318-155-080	TR, 2SC1815 (0.4W)		C27	87-010-380-080		CAP, ELECT 47-16V
				C28	87-010-380-080		CAP, ELECT 47-16V
DIODE				C29	87-010-380-080		CAP, ELECT 47-16V
				C30	87-010-380-080		CAP, ELECT 47-16V
	87-017-120-080	ZENER, HZS9C3		C33	87-010-384-080		CAP, ELECT 100-25V
	87-020-465-080	DIODE, 1SS133 (110MA)		C34	87-010-405-080		CAP, ELECT 10-50V
MAIN C.B	87-017-978-080	DIODE, 1N4003		C35	87-010-101-080		CAP, ELECT 220-16
				C36	87-010-405-080		CAP, ELECT 10-50V
				C37	87-010-385-080		CAP, ELECT 220-25V
	C1	87-010-178-080	CHIP CAP 1000P	C38	87-010-405-080		CAP, ELECT 10-50V
	C2	87-010-178-080	CHIP CAP 1000P	C39	87-010-401-080		CAP, ELECT 1-50V
	C3	87-010-401-080	CAP, ELECT 1-50V	C40	87-010-401-080		CAP, ELECT 1-50V
	C4	87-010-401-080	CAP, ELECT 1-50V	C41	87-016-081-080		C-CAP, S 0.1-16 RK
	C5	87-010-401-080	CAP, ELECT 1-50V	C42	87-010-260-080		CAP, ELECT 47-25V
	C6	87-010-401-080	CAP, ELECT 1-50V	C43	87-010-379-080		CAP, ELECT 22-16V
	C7	87-010-405-080	CAP, ELECT 10-50V	J1	87-099-399-010		JACK, DC TYPE-4 N-EIAJ
	C8	87-010-402-080	CAP, ELECT 2.2-50V	J2	87-YP6-609-010		JACK, 3.5 BLK ST
	C9	87-010-197-080	CAP, CHIP 0.01 DM	! PR1	87-A90-726-080		PROTECTOR, 1.6A 491SERIES 60V
	C10	87-010-197-080	CAP, CHIP 0.01 DM	S1	84-SP3-623-010		SW, PUSH 2-2-2
	C11	87-010-197-080	CAP, CHIP 0.01 DM	S2	84-SP3-623-010		SW, PUSH 2-2-2
	C12	87-010-197-080	CAP, CHIP 0.01 DM	VR1	87-YP5-622-010		104-10KA-11001, VR RTRY 10KAX2
	C13	87-010-405-080	CAP, ELECT 10-50V	VR2	87-YP5-622-010		104-10KA-11001, VR RTRY 10KAX2
	C14	87-010-405-080	CAP, ELECT 10-50V	LED C.B			
	C17	87-010-400-080	CAP, ELECT 0.47-50V	D4	88-YP6-615-010		153-L-34GD, LED L-34GD GRN

- Regarding connectors, they are not stocked as they are not the initial order items.
The connectors are available after they are supplied from connector manufacturers upon the order is received.

TRANSISTOR ILLUSTRATION

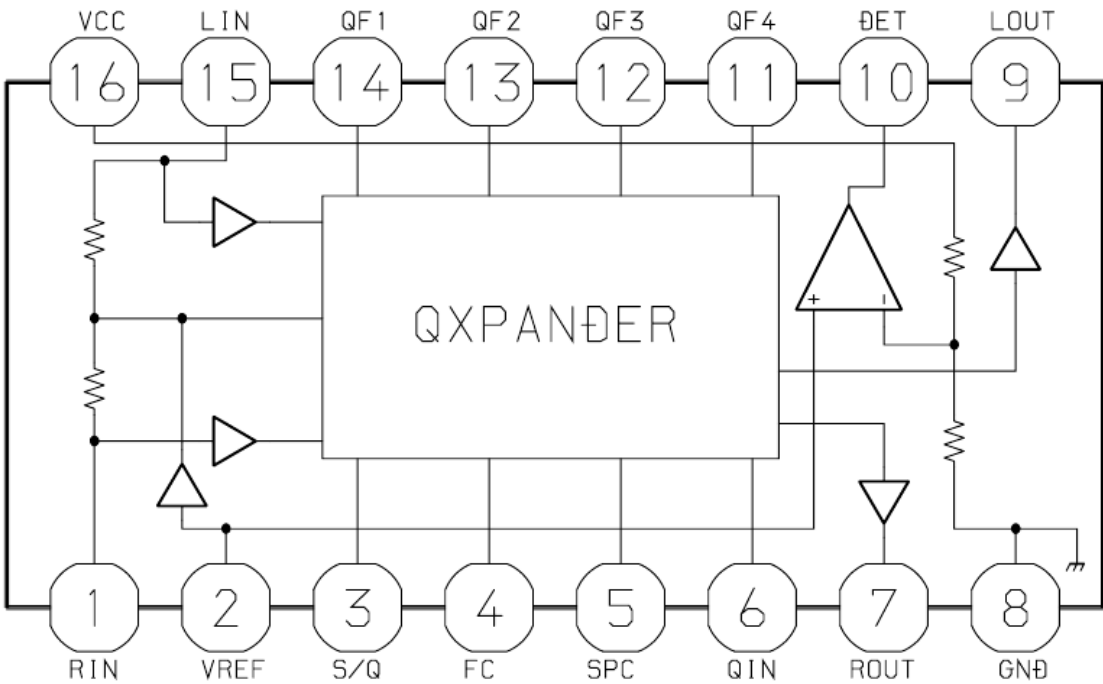


ECB

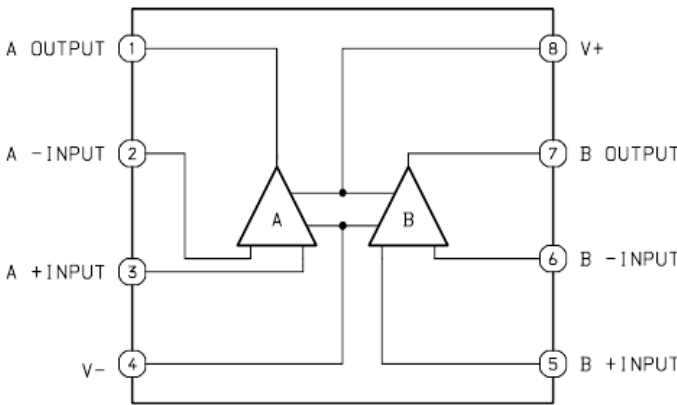
2SC1815

IC BLOCK DIAGRAM

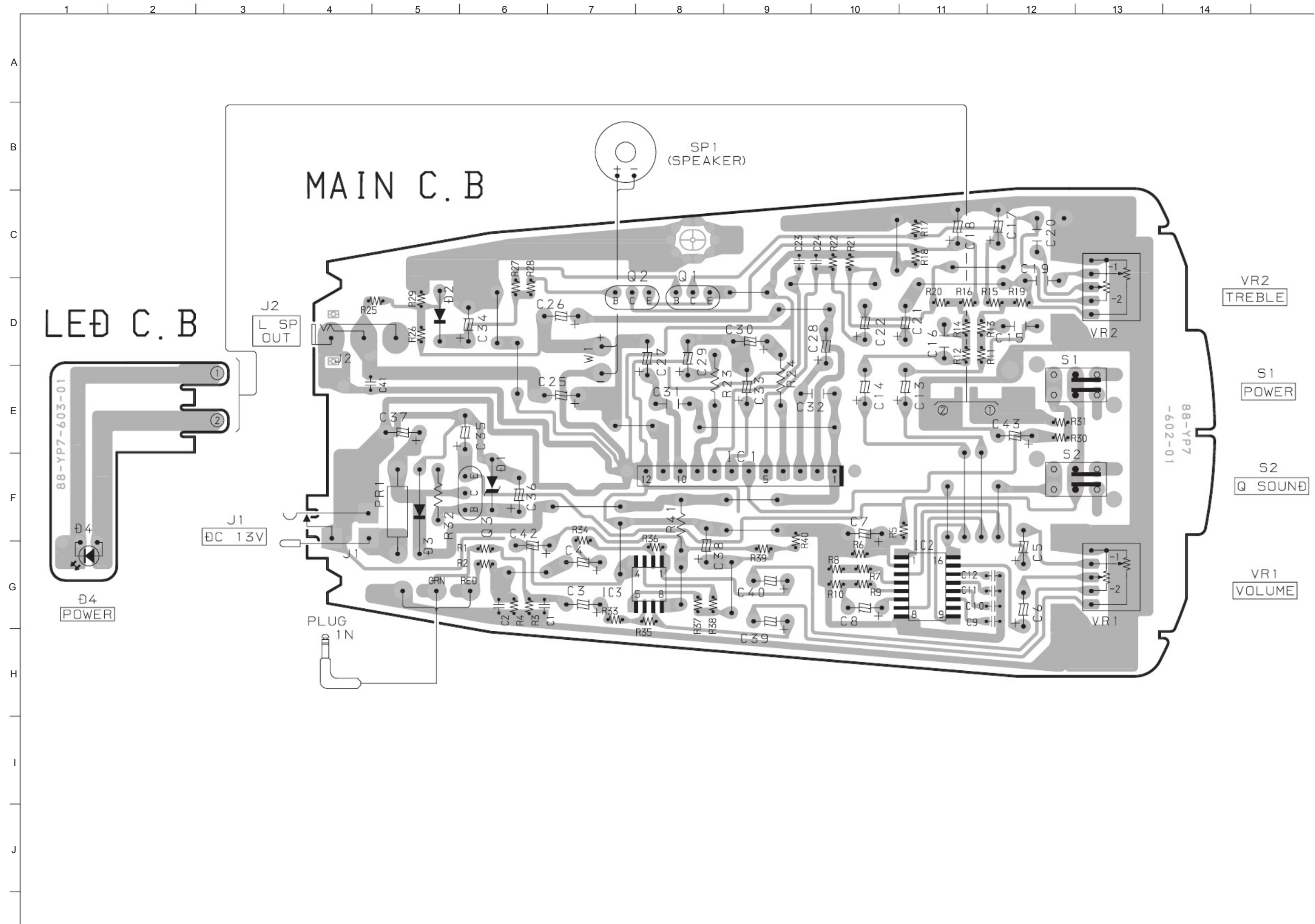
IC, MM1434XF



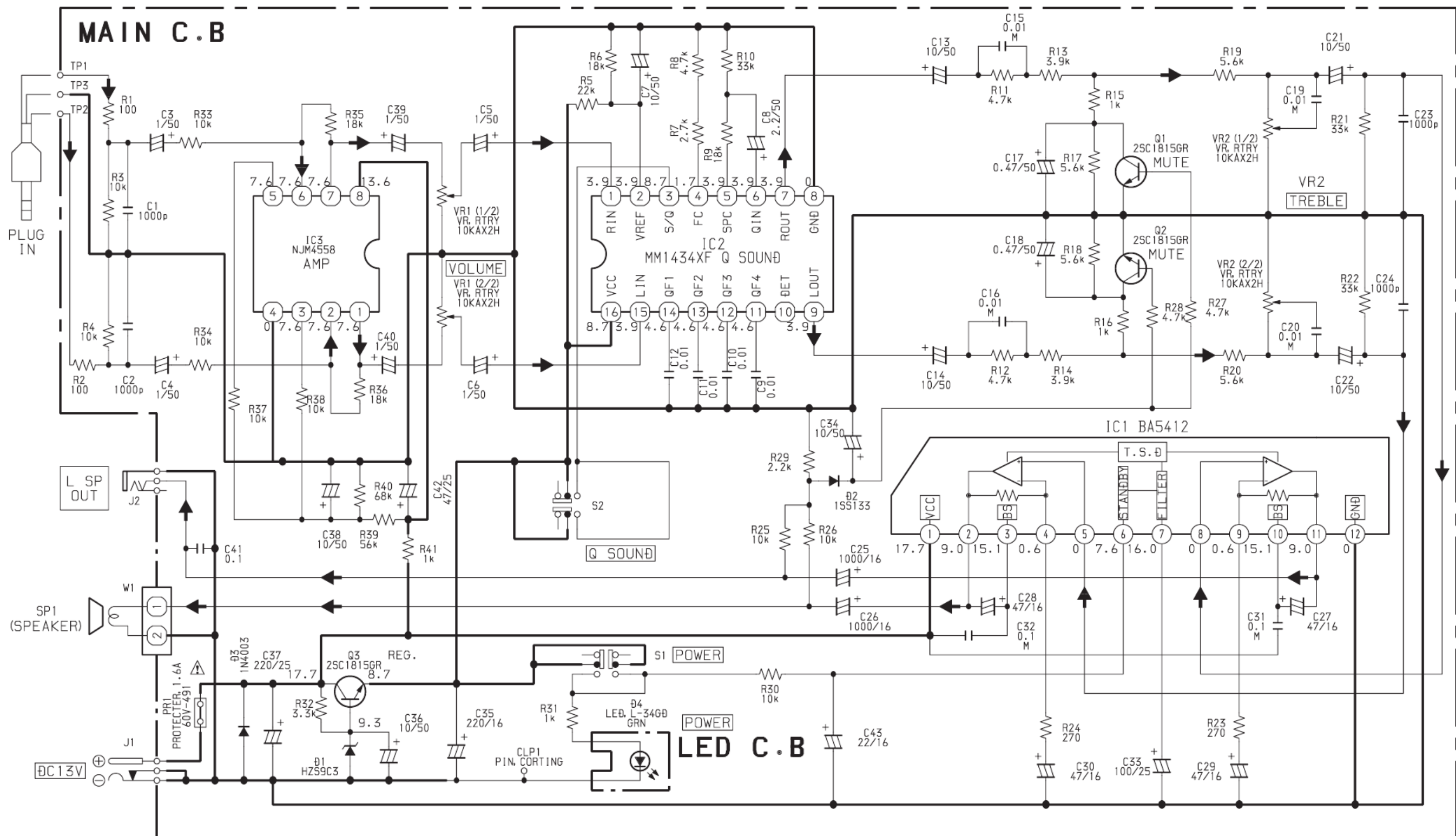
IC, NJM4558MD



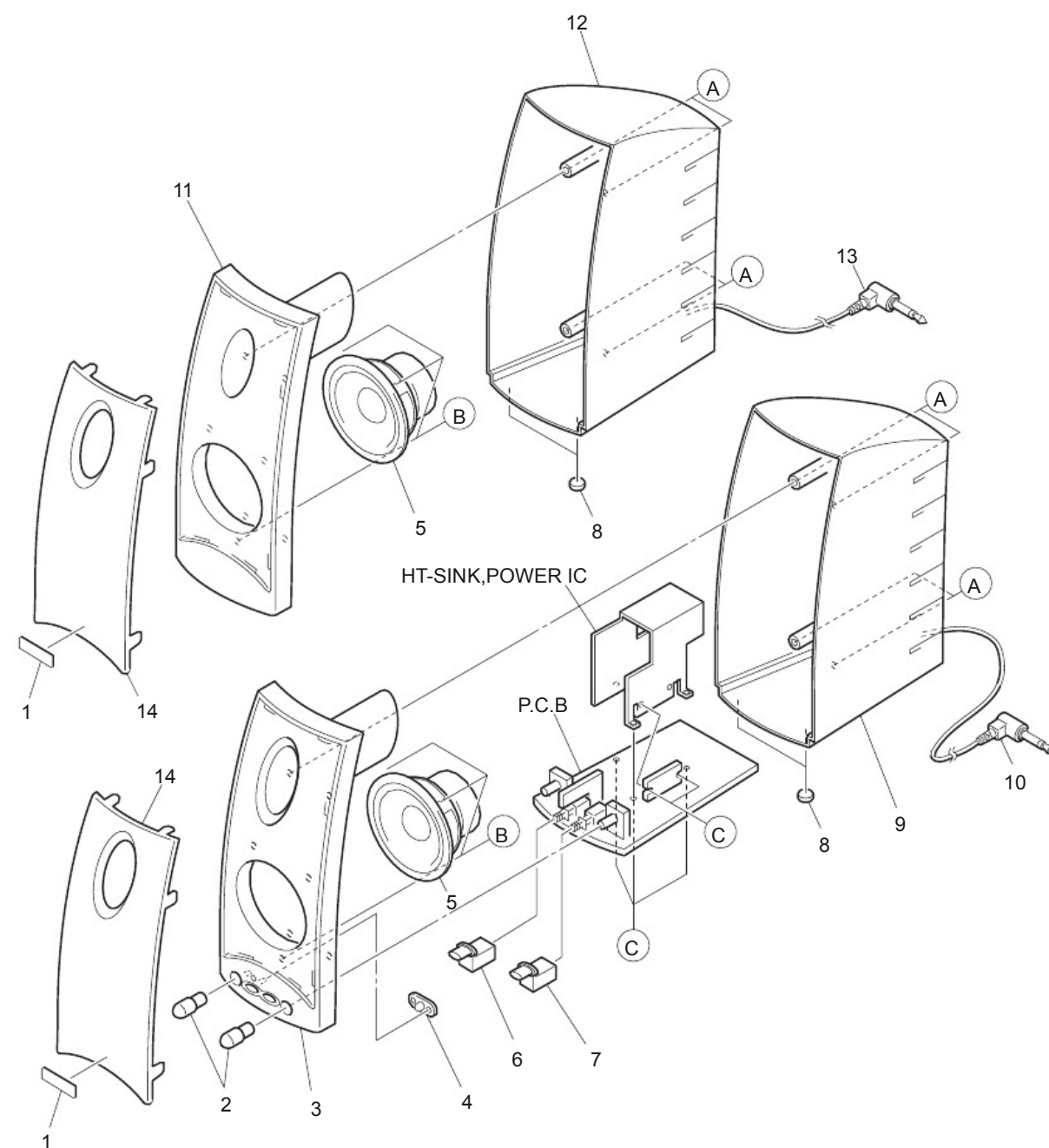
WIRING



SCHEMATIC DIAGRAM



MECHANICAL EXPLODED VIEW 1/1



MECHANICAL PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	88-YP7-020-010		BADGE, AIWA 30.6 GRAY-ABS GLD<AUWC>	10	85-SP3-623-010		CORD, PLUG 3.5 ST B<AUWC>
2	88-YP7-012-010		KNOB, RTRY VOL B<ALHB>	11	88-YP7-004-010		CABI, FRONT L B<ALHB>
2	88-YP7-011-010		KNOB, RTRY VOL W<AUWC>	11	88-YP7-002-010		CABI, FRONT L W<AUWC>
3	88-YP7-003-010		CABI, FRONT R B<ALHB>	12	88-YP7-008-010		CABI, REAR L B<ALHB>
3	88-YP7-001-010		CABI, FRONT R W<AUWC>	12	88-YP7-006-010		CABI, REAR L W<AUWC>
4	88-YP7-017-010		WINDOW, LED	13	85-SP5-612-010		CORD, PLUG 3.5 MO B<ALHB>
5	88-YP7-604-010		SPKR, 77MM 4OHM	13	85-SP5-611-010		186-W8YP-6A, CORD PLUG 3.5MO<AUWC>
6	88-YP7-014-010		BTN, POWER B<ALHB>	14	88-YP7-024-010		GRILLE, FRONT B N<ALHB>
6	88-YP7-013-010		BTN, POWER W<AUWC>	14	88-YP7-023-110		GRILLE, FRONT W N<AUWC>
7	88-YP7-016-010		BTN, QSOUND B<ALHB>	A	87-067-822-010		BVT2+3-20 W/O SLOT
7	88-YP7-015-010		BTN, QSOUND W<AUWC>	B	87-067-945-110		VFT2+3-12 (F10)
8	88-YP7-202-010		FOOT, REAR	C	87-067-703-010		TAPPING SCREW, BVT2+3-10
9	88-YP7-007-010		CABI, REAR R B<ALHB>				
9	88-YP7-005-010		CABI, REAR R W<AUWC>				
10	85-SP3-629-010		CORD, PLUG 3.5 ST B<ALHB>				

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

REFERENCE NAME LIST
ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL



サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

アイワ株式会社 〒110 東京都台東区池之端1-2-11 ☎03（3827）3111（代表）

