

SERVICE MANUAL

HOME THEATER SURROUND
SYSTEM

This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
(S/M Code No. 09-003-341-8T2).

SPECIFICATIONS

Speaker type	1 box, 3D bass reflex type	Inputs	Mixing type
Speaker unit	Front (L/R speakers) 8.8 cm x 2 Magnetically shielded type Frequency 200 Hz - 20,000 Hz		INPUT 1 (LINER): 1000 mV (47 kohms) INPUT 2 (PHONES): 1250 mV (1 kohms)
	Sub woofer 8.8 cm x 1 Magnetically shielded type Frequency 40 Hz - 200 Hz	Outputs	THROUGH OUT (Recording output): L/R x 1
Power output	Total: 40 W (T.H.D. 10%, 1 kHz) Front (L/R speakers) Rated: 8W + 8 W (2.2 ohms, T.H.D. 1%, 1 kHz) Reference: 10 W + 10 W (2.2 ohms, T.H.D. 10%, 1 kHz) Subwoofer Rated: 16 W (4.7 ohms, T.H.D. 1%, 1 kHz) Reference: 20 W (4.7 ohms, T.H.D. 10%, 1 kHz)	Power requirements	AC 120 V/220 - 240 V, switchable, 50/60 Hz
		Power consumption	50 W
		Dimensions	550 x 129 x 250 mm (W x H x D)
		Weight	6.6 kg

• Design and specifications are subject to change without notice.

ACCESSORIES 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	8A-YP3-901-010	IB, H(ECA)D	
2	87-099-789-010	PLUG, ADPTR	IR44

ELECTRICAL MAIN PARTS LIST

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REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				CN3	87-099-043-010		CONN, 2P V WHT EH
				CN4	87-099-043-010		CONN, 2P V WHT EH
	87-A21-103-040	C-IC, MM1454XFBE		CN5	8A-YP3-613-010		CONN ASSY, 2P MAIN SW
	87-A20-754-010	IC, BA4558N-DX		CN6	87-099-043-010		CONN, 2P V WHT EH
	87-A21-553-010	IC, TDA7375		△CN8	87-099-674-010		CONN, 2P V VA
TRANSISTOR				CN20	87-009-311-010		CONN 5P 51048
	89-213-702-010	TR, 2SB1370E(1.8W)		PR1	87-A90-094-080		PROTECTOR, 4A 491SERIES 60V
	87-026-447-080	TR, 2SC1740S R		R51	87-029-167-010		RES, FUSE 10-1/4W J
	89-318-155-080	TR, 2SC1815GR(0.4W)		FRONT C.B			
	89-110-155-080	TR, 2SA1015GR(0.4W)		C101	87-010-379-080		CAP, ELECT 22-16V
	87-026-245-080	TR, DTC114ES		C102	87-010-379-080		CAP, ELECT 22-16V
DIODE				C103	87-010-405-080		CAP, ELECT 10-50V
				C104	87-010-405-080		CAP, ELECT 10-50V
	87-A40-115-060	DIODE, RS603M		C105	87-010-405-080		CAP, ELECT 10-50V
	87-020-465-080	DIODE, 1SS133 (110MA)		C106	87-018-131-080		CAP, CER 1000P-50V
	87-A40-458-080	ZENER, MTZJ18B		C107	87-010-405-080		CAP, ELECT 10-50V
	87-017-933-080	ZENER, MTZJ10D		C108	87-018-134-080		CAPACITOR, TC-U 0.01-16
				C109	87-010-112-080		CAP, ELECT 100-16V
				C112	87-010-380-080		CAP, ELECT 47-16V
MAIN C.B				C113	87-010-402-080		CAP, ELECT 2.2-50V
	C1	87-A11-133-080	CAP, TC-U 0.012-50 K B	C114	87-010-402-080		CAP, ELECT 2.2-50V
	C2	87-A11-133-080	CAP, TC-U 0.012-50 K B	CN9	87-009-274-010		CONN, 6P H 52151
	C3	87-010-545-080	CAP, ELECT 0.22-50V	CN10	87-009-273-010		CONN, 5P H 52151
	C4	87-010-545-080	CAP, ELECT 0.22-50V	D101	87-A40-820-010		LED, L-34GDSL GRN
	C5	87-010-401-080	CAP, ELECT 1-50V				
	C6	87-010-401-080	CAP, ELECT 1-50V	D102	87-A40-805-010		LED, L-34IDSL RED
	C7	87-018-202-080	CAP. CERAM. 6800PF	FFC1	8A-YP3-615-010		F-CABLE, 6P 2
	C8	87-018-202-080	CAP. CERAM. 6800PF	FFC2	8A-YP3-614-010		F-CABLE, 5P 2
	C9	87-010-405-080	CAP, ELECT 10-50V	SW1	87-A91-616-010		SW, PUSH 2-2-2 SPEA12-2N
	C10	87-010-405-080	CAP, ELECT 10-50V	SW2	87-A91-616-010		SW, PUSH 2-2-2 SPEA12-2N
	C11	87-010-405-080	CAP, ELECT 10-50V	VR101	8A-YP3-616-010		VR, RTRY 10KX2 1
	C13	87-010-405-080	CAP, ELECT 10-50V	VR102	8A-YP3-617-010		VR, RTRY 20KX1 1
	C14	87-010-405-080	CAP, ELECT 10-50V	INP C.B			
	C15	87-010-405-080	CAP, ELECT 10-50V	C41	87-018-199-080		CAP, CER 3300P
	C16	87-010-401-080	CAP, ELECT 1-50V	C42	87-018-199-080		CAP, CER 3300P
	C17	87-010-545-080	CAP, ELECT 0.22-50V	C43	87-018-199-080		CAP, CER 3300P
	C19	87-010-544-080	CAP, ELECT 0.1-50V	C44	87-018-199-080		CAP, CER 3300P
	C20	87-010-544-080	CAP, ELECT 0.1-50V	C45	87-010-405-080		CAP, ELECT 10-50V
	C21	87-010-401-080	CAP, ELECT 1-50V				
	C22	87-010-404-080	CAP, ELECT 4.7-50V	C46	87-010-405-080		CAP, ELECT 10-50V
	C23	87-010-405-080	CAP, ELECT 10-50V	C47	87-010-404-080		CAP, ELECT 4.7-50V
	C24	87-018-209-080	CAP, CER 0.1-50V	C48	87-010-404-080		CAP, ELECT 4.7-50V
	C27	87-010-405-080	CAP, ELECT 10-50V	C49	87-010-112-080		CAP, ELECT 100-16V
	C28	87-010-401-080	CAP, ELECT 1-50V	C50	87-010-405-080		CAP, ELECT 10-50V
	C29	87-010-265-080	CAP, ELECT 33-16V				
	C30	87-010-405-080	CAP, ELECT 10-50V	C51	87-018-123-080		CAP, CER 220P-50V
	C31	8A-YP3-625-010	CAP, E 4700-35	C52	87-010-404-080		CAP, ELECT 4.7-50V
	C32	87-018-209-080	CAP, CER 0.1-50V	C54	87-010-544-080		CAP, ELECT 0.1-50V
	C33	87-010-393-080	CAP, ELECT 100-35V	C55	87-010-380-080		CAP, ELECT 47-16V
	C34	87-010-396-080	CAP, E 470-35 SME	C56	87-010-405-080		CAP, ELECT 10-50V
	C35	87-010-380-080	CAP, ELECT 47-16V	C57	87-010-380-080		CAP, ELECT 47-16V
	C39	87-018-209-080	CAP, CER 0.1-50V	C67	87-018-209-080		CAP, CER 0.1-50V
	C40	87-018-209-080	CAP, CER 0.1-50V	C68	87-018-209-080		CAP, CER 0.1-50V
	C58	87-010-235-080	CAP, ELECT 470-16V	CN14	8A-YP3-612-010		CONN ASSY, 2P VC/STBY
	C61	87-010-545-080	CAP, ELECT 0.22-50V	CN16	8A-YP3-620-010		CONN ASSY, 2P STBY
	C62	87-010-545-080	CAP, ELECT 0.22-50V	CN19	87-009-312-010		CONNECTOR, 6P
	C63	87-010-401-080	CAP, ELECT 1-50V	J1	87-A61-233-010		JACK, PIN 4P W/R HSP-204V
	C64	87-010-260-080	CAP, ELECT 47-25V	J2	85-SP3-620-010		JACK, PIN 2P
	C65	87-010-388-080	CAP, E 1000-25 M SME	PT C.B			
	C66	87-010-388-080	CAP, E 1000-25 M SME	C201	87-010-403-080		CAP, ELECT 3.3-50V
	C69	87-A12-082-010	CAP, E 1000-35V SMG	C202	87-010-387-080		CAP, E 470-25 SME
	C70	87-A12-082-010	CAP, E 1000-35V SMG	△C203	87-A10-479-080		CAP, CER 2200P-250 M E KH
	C97	87-018-198-080	CAP, TC-U 2700P-16	△C204	87-A10-479-080		CAP, CER 2200P-250 M E KH
	C98	87-018-198-080	CAP, TC-U 2700P-16	△CN7	8A-YP2-610-010		CONN, ASSY, 9P/SDN
	C99	87-A11-096-080	CAP, TC-U 220P-50 J CH				
	C100	87-A11-096-080	CAP, TC-U 220P-50 J CH	CN11	87-099-043-010		CONN, 2P V WHT EH
	CN1	8A-YP3-621-010	CONN ASSY, 2P L-PW	CN12	87-099-043-010		CONN, 2P V WHT EH
	CN2	87-099-043-010	CONN, 2P V WHT EH	CN15	87-099-043-010		CONN, 2P V WHT EH

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
△PT201	8Z-NF8-663-010		PT, SUB ZNF-8(H)
△RY201	87-A91-281-010		RELAY, AC DC12V OSA-SS-212DM5
△SW201	87-A90-234-010		SW-SL 1-2-2 SWS2201
T201	82-304-743-010		TERMINAL, 1P
T202	82-304-743-010		TERMINAL, 1P

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

Chip Resistor Part Coding



Figure
Value of resistor

チップ抵抗
Chip resistor

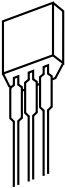
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



ECB

2SA1015
2SC1815



ECB

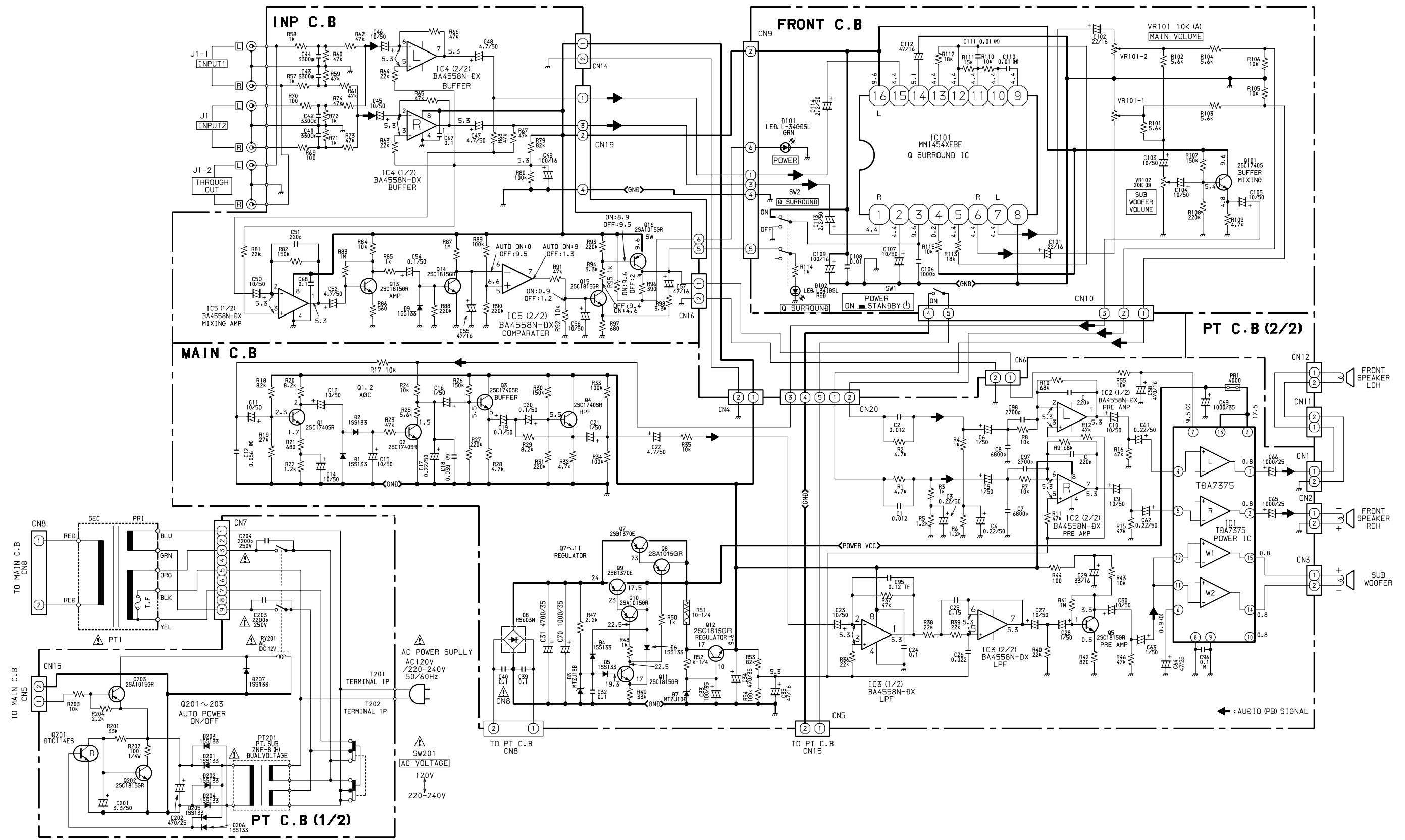
2SC1740S
DTC114ES



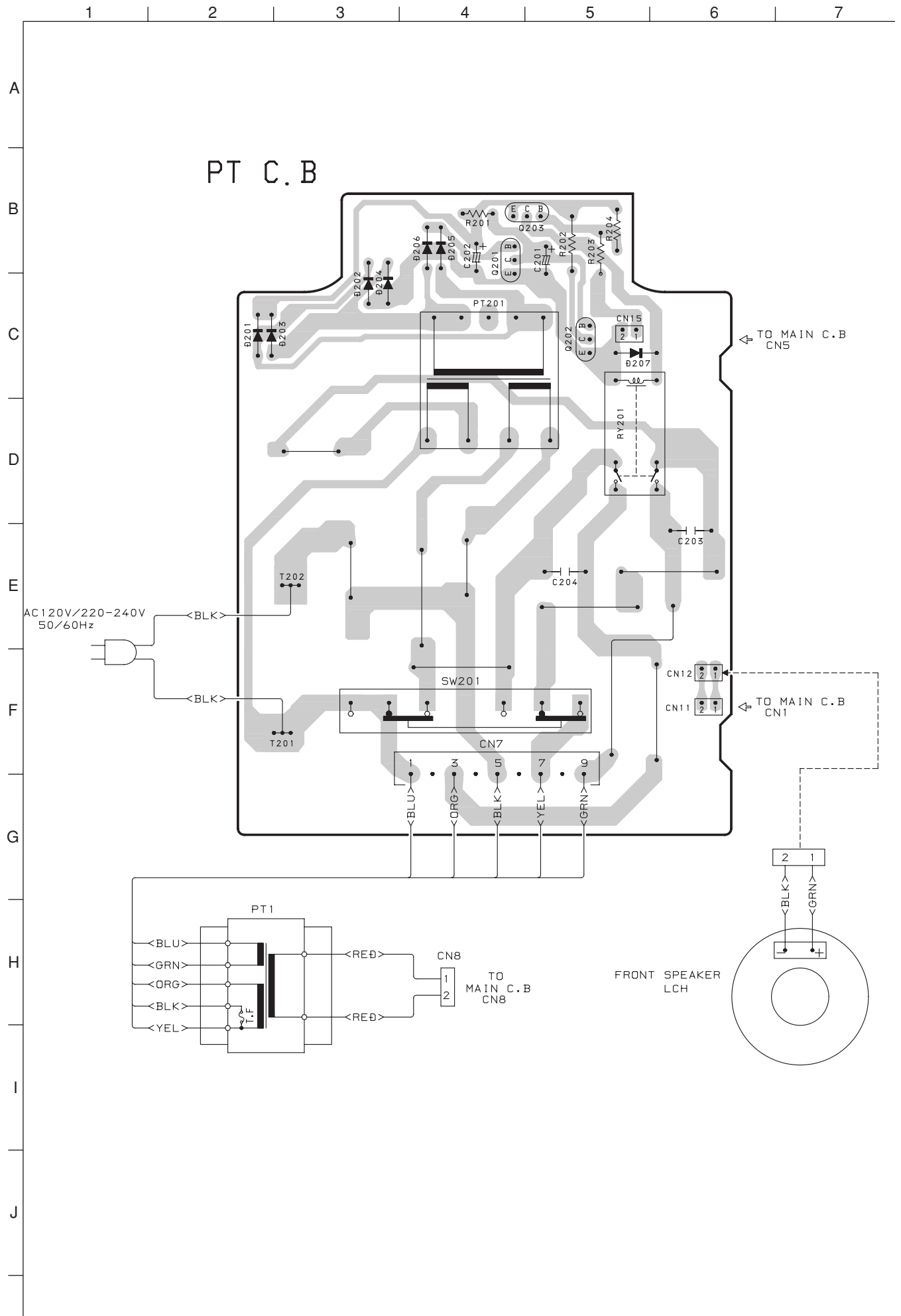
BCE

2SB1370

SCHEMATIC DIAGRAM

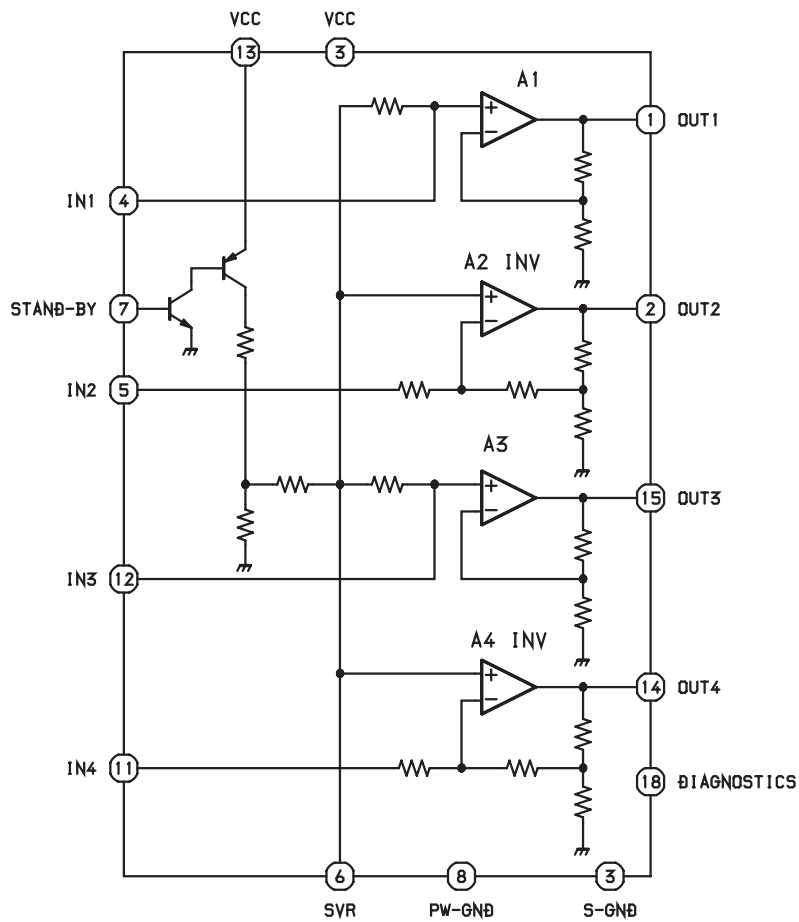


WIRING-1 (PT C.B SECTION)

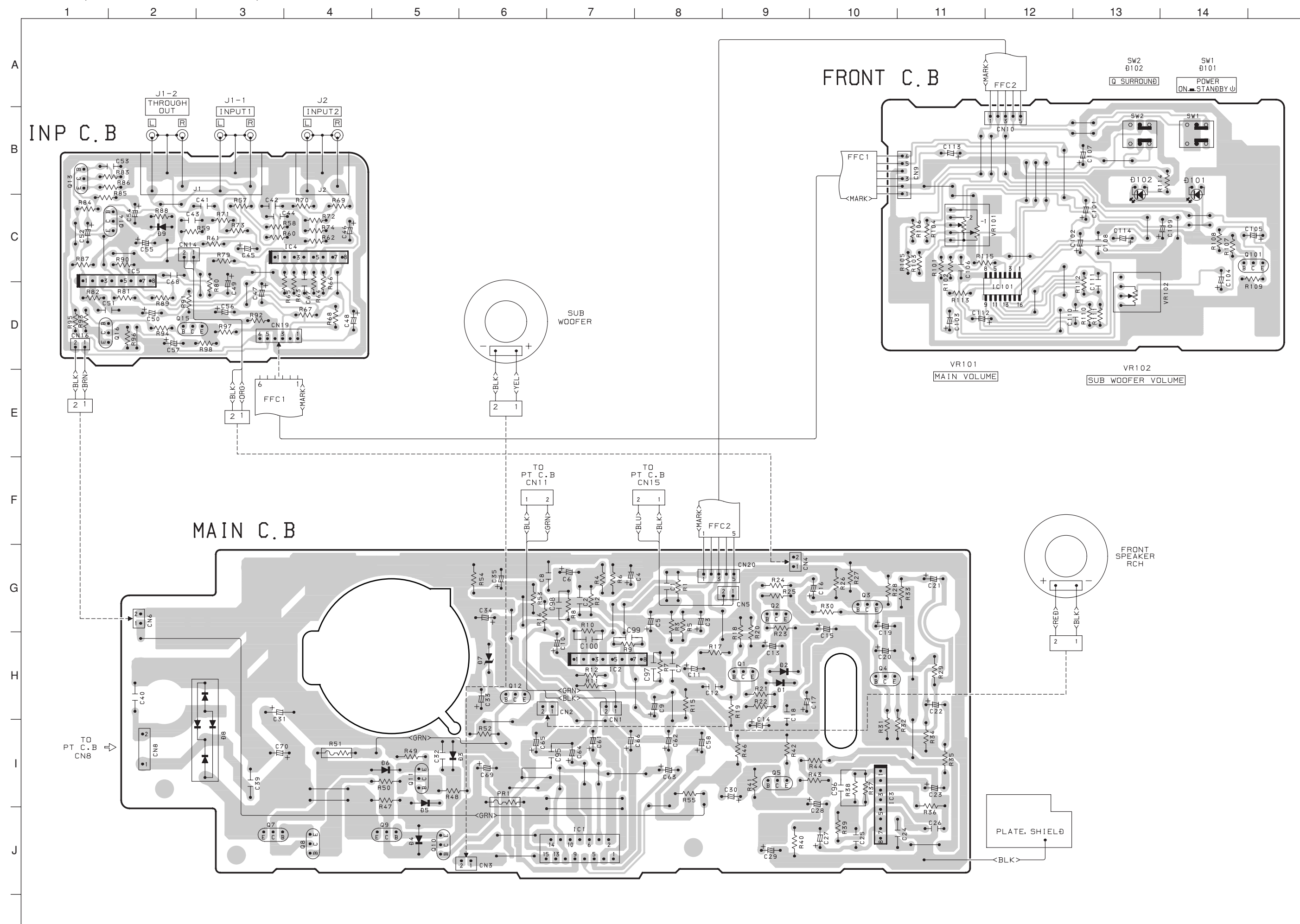


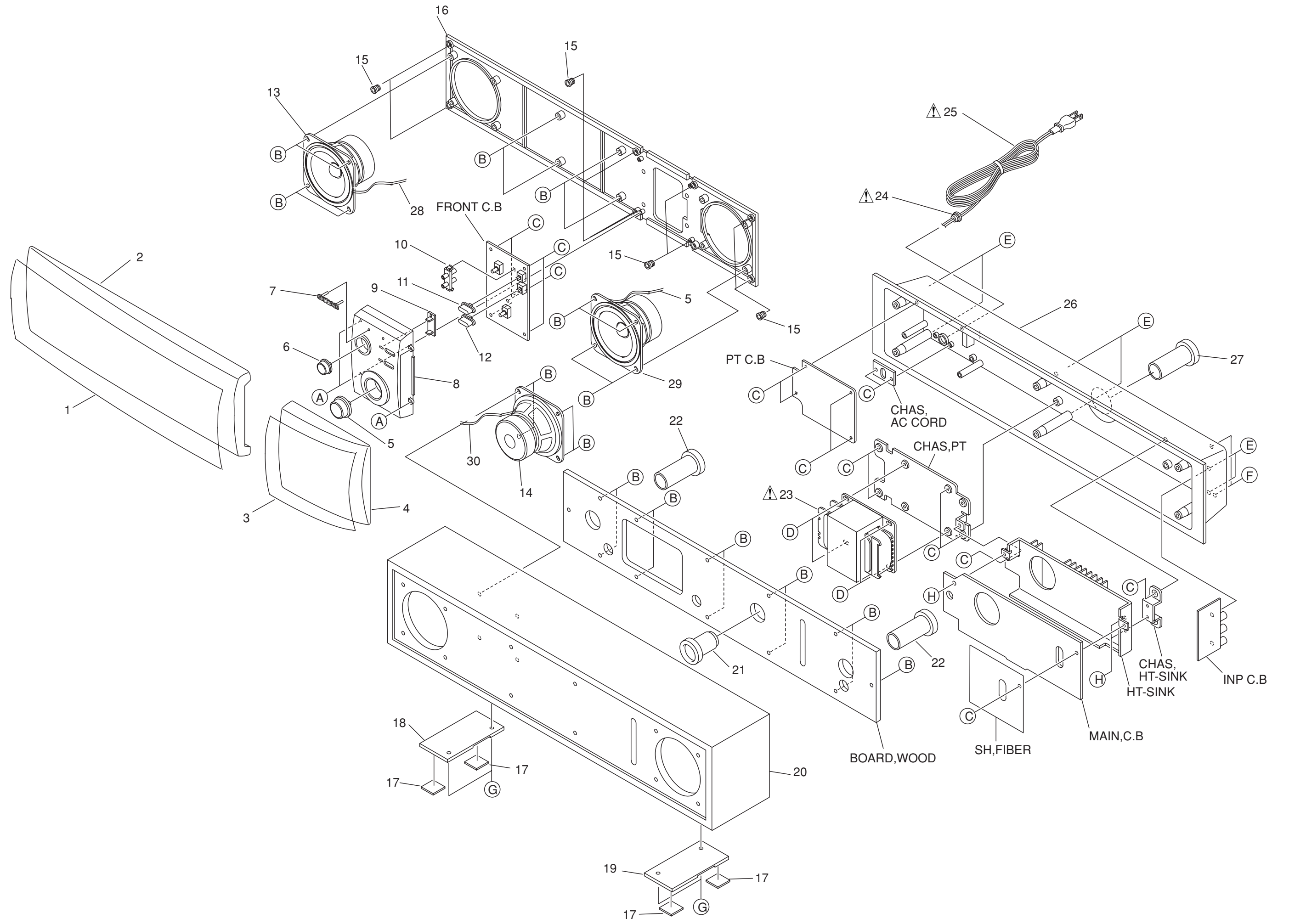
IC BLOCK DIAGRAM

IC, TDA7375



WIRING-2 (MAIN, INP C.B SECTION)





MECHANICAL MAIN PARTS LIST 1/1

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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-YP2-020-010		CLOTH, FRAME L ST
2	8A-YP2-201-010		CABI, FRAME L
3	8A-YP2-021-010		CLOTH, FRAME R ST
4	8A-YP2-202-010		CABI, FRAME R
5	8A-YP3-003-010		KNOB, RTRY VOL MAIN
6	8A-YP3-004-010		KNOB, RTRY VOL WOOFER
7	8A-YP2-025-010		BADGE, AIWA 30.6 ABS SIL
8	8A-YP3-010-010		PANEL, FRONT EX
9	8A-YP3-005-010		WINDOW, LED
10	8A-YP3-201-010		GUIDE, LED
11	8A-YP2-017-010		BTN, POWER ST
12	8A-YP3-002-010		BTN, Q SURROUND
13	8A-YP3-607-010		SPKR, 88 2.20HM
14	8A-YP3-608-010		SPKR, 88 4.70HM
15	84-SP1-206-010		BUSHING NET
16	8A-YP2-203-010		CABI, BAFFLE
17	8A-YP2-217-010		FOOT, RUBBER
18	8A-YP1-214-010		HLDR, FOOT L
19	8A-YP1-235-010		HLDR, FOOT R
20	8A-YP3-007-010		CABI, WOOD BOX
21	8A-YP3-203-010		RING, DUCT INSIDE
22	8A-YP2-206-010		RING, DUCT
23	8A-YP3-619-010		PT, HR
24	86-SP2-637-010		BUSHING, AC U
25	86-SP2-634-010		AC CORD, E
26	8A-YP2-002-010		CABI, REAR HR
27	8A-YP3-006-010		RING, DUCT OUTSIDE
28	8A-YP3-609-010		CONN ASSY, 2P S-L
29	8A-YP3-610-010		CONN ASSY, 2P S-R
30	8A-YP3-611-010		CONN ASSY, 2P WO
A	87-751-076-410		VT2+2.6-12
B	87-YP4-211-010		SW+3.5-20
C	87-067-703-010		BVT2+3-10 W/O SLOT
D	87-067-566-010		VFTT+3-6
E	8Z-YP1-233-010		SW+3.5-20
F	87-755-096-010		VT2+3-10
G	8Z-YP1-231-010		SW+3.5-12
H	87-NF4-224-010		S-SCREW, IT3B+3-8



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		

