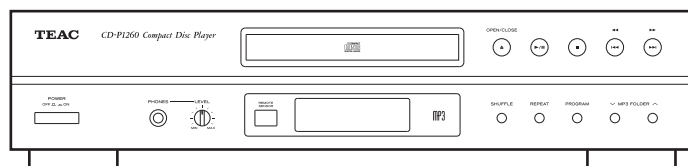


TEAC



SERVICE MANUAL

CD-P1260

Compact Disc Player

This service manual is applicable for CD-P1260 with S/N 1000001 and after.



CONTENTS

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NOTES

- PC boards shown are viewed from parts side.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams supplied prior to this manual.
- ⚠ Parts marked with this sign are safety critical components. They must be replaced with designated components.
- Destination of product is expressed by [] mark and ensure exact replacement:
[EUR] - Europe; [KOR] - Korea; [EXTC] - U.S.A.;
[JPN] - Japan; [UK] - UK

1. SPECIFICATIONS & SAFETY INFORMATION

SPECIFICATIONS

CD Player

Pickup	3-beam, semiconductor laser
Digital filter	8-times oversampling
Frequency Response	20 Hz - 20 kHz ± 2 dB
Total Harmonic Distortion	Less than 0.03 % (1 kHz)
Signal-to-Noise Ratio (S/N)	More than 83 dB (IHF-A)
Output	Analog: 2.0 Vrms (RCA)

General

Power Requirement	AC 100 V, 50-60 Hz [JPN] AC 220 V, 60 Hz [KOR] AC 230 V, 50 Hz [EUR], [UK] AC 120 V/230 V, 50-60 Hz [EXTC]
Power Consumption	10 W
Dimensions (W x H x D)	435 x 100 x 285 mm
Weight (Net)	4.1 kg (9 1/8 lb)
Operating temperature	+5°C - +35°C
Operating humidity	5% to 85% (no condensation)
Storage temperature	-20°C - +55°C

Standard Accessories

RCA cable x 1
Remote Control Unit (RC-1044A) x 1
Battery for Remote Control x 2
Owner's Manual x 1
Warranty Card x 1

SAFETY INFORMATION

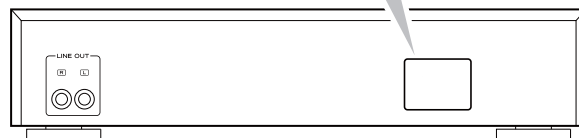
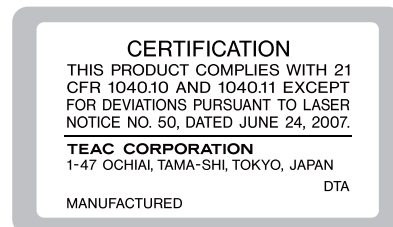
This product has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968", and is classified as class 1 laser product. There is not hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.

The label required in this regulation is shown as follows:

Optical pickup

Type : SF-P101VZ
 Manufacturer : Sanyo Electric Co., Ltd
 Laser output : Less than 1 mW on the objective lens
 Wavelength : 790 $\pm$ 30 nm

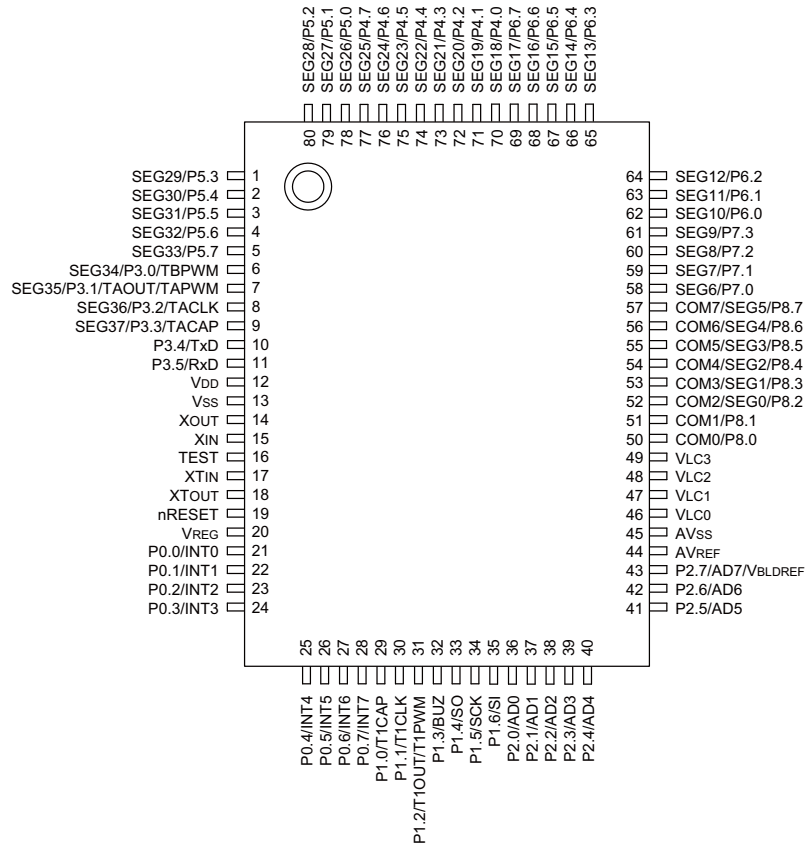
For U.S.A.



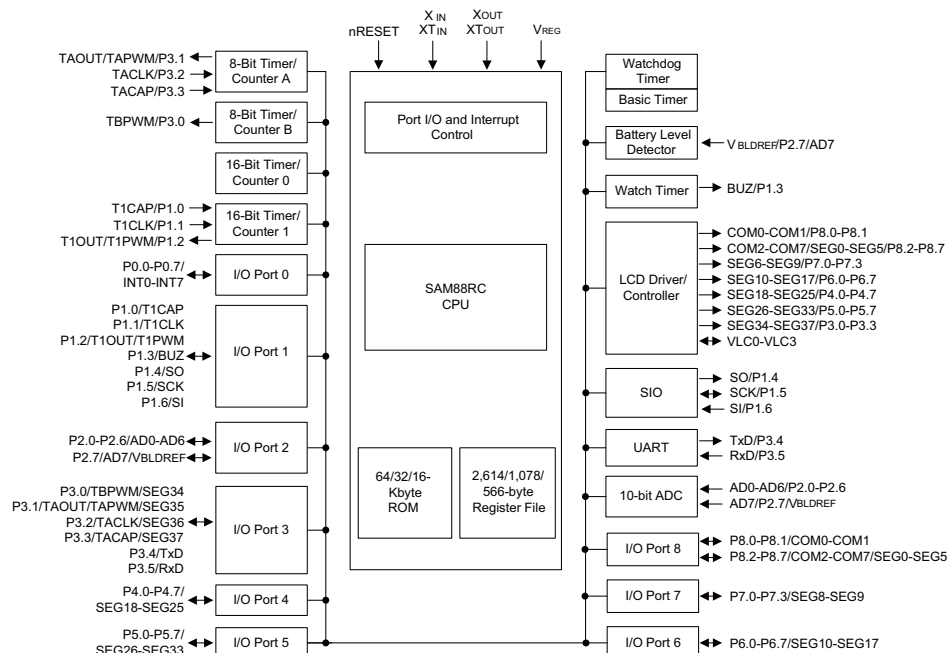
2. BRIEF OVERVIEW OF LSI

8 bit MCU with 32 K-byte Flash Rom
S3F8289, MAIN PCBA U2

Pin Configuration (Top View)

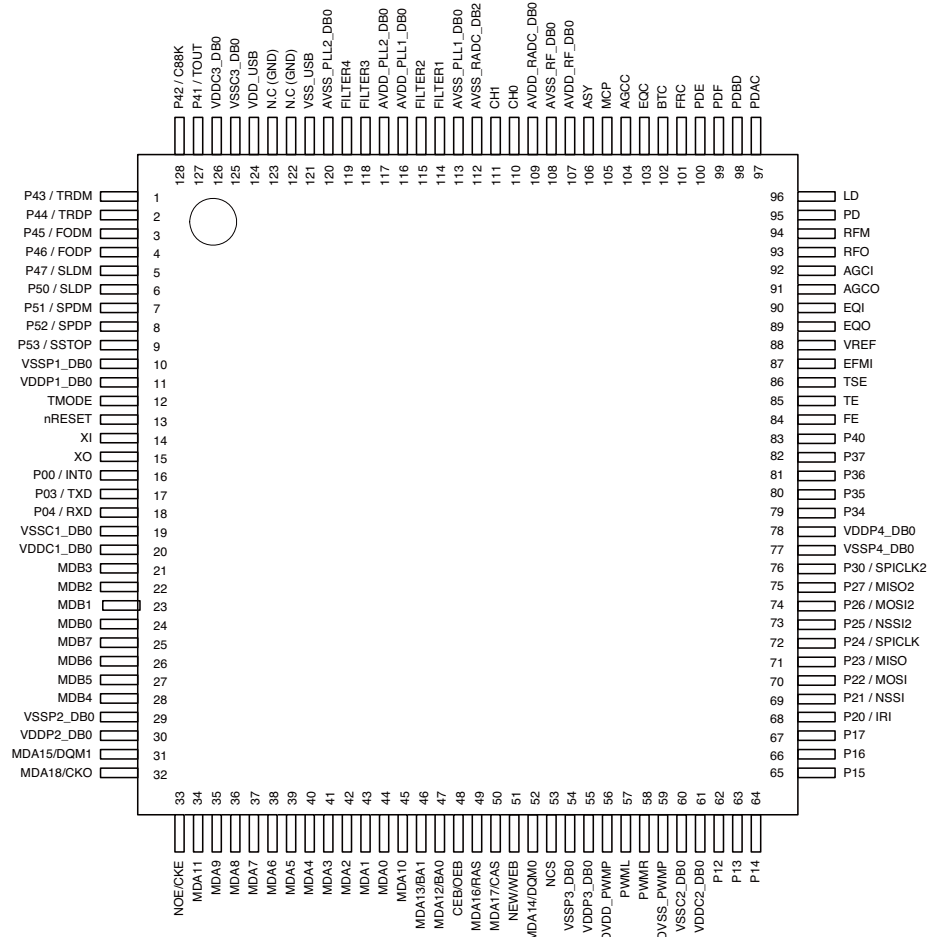


Block Diagram

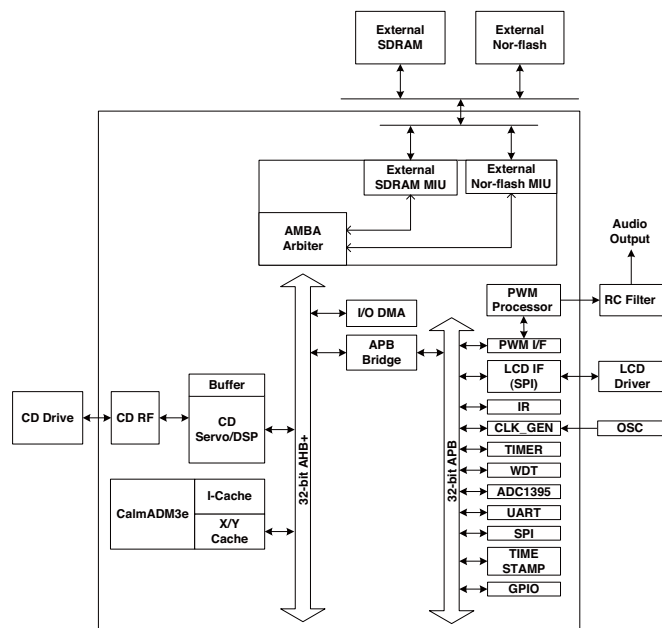


CDMP3 SoC (System-on-a-chip) S5L8030, MAIN PCBA U4

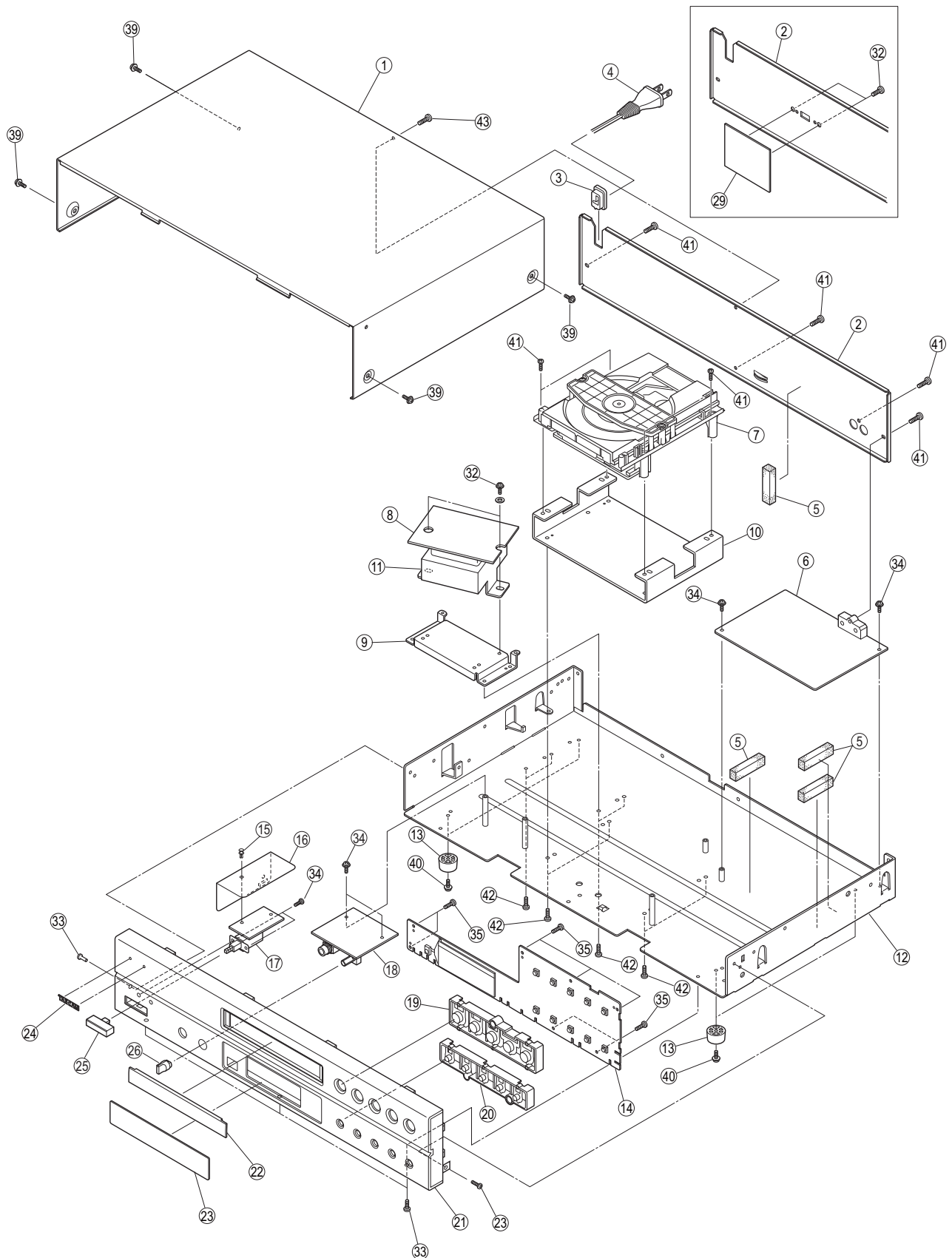
Pin Configuration (Top View)



Block Diagram



3. EXPLODED VIEWS AND PARTS LISTS



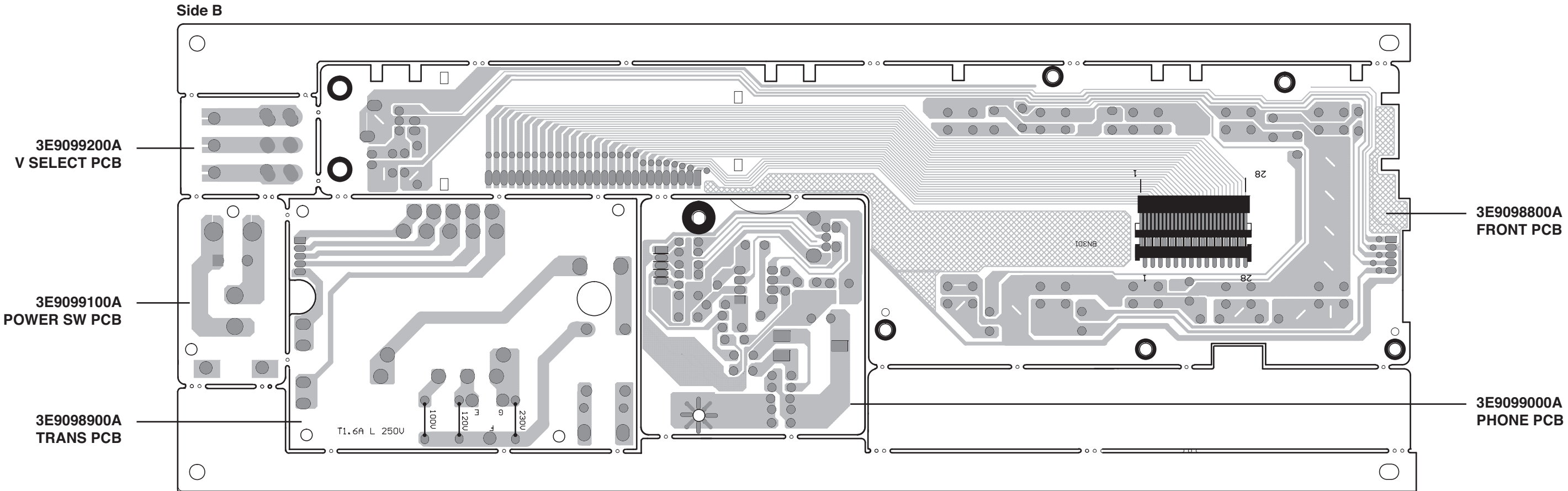
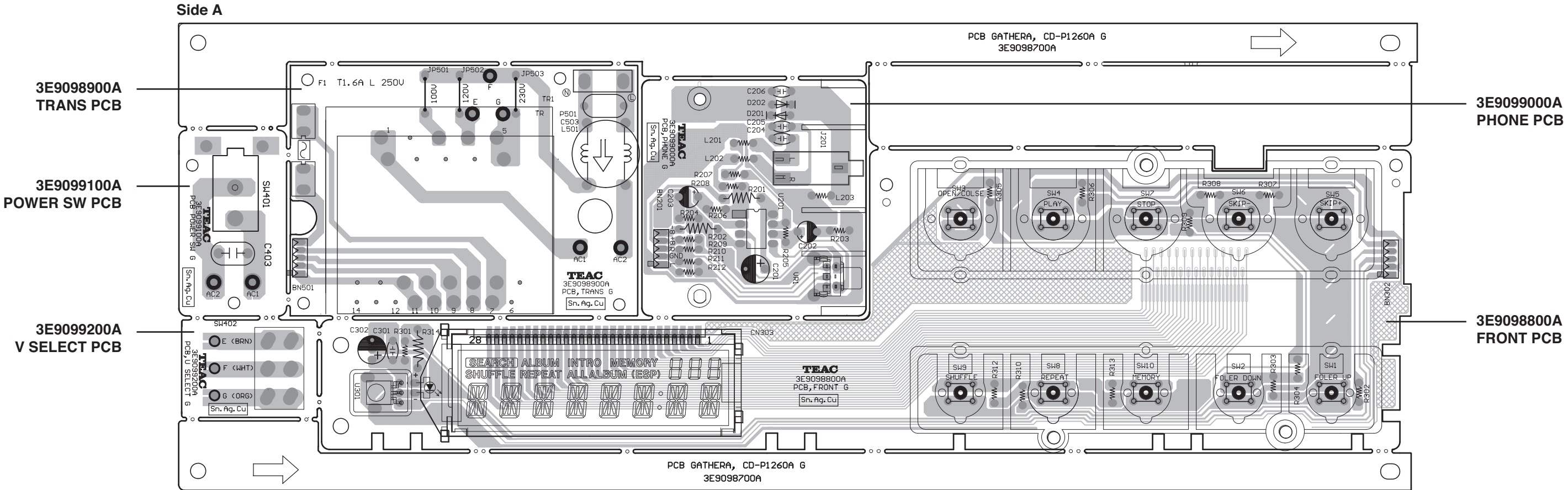
EXPLODED VIEW

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
1	3M0189400C	BONNET CD-30	
2	3M0191401C	REAR PANEL [EUR], [KOR], [JPN],[UK]	
	3M0191493D	REAR PANEL [EXTC]	
3	3M000880	BUSHING, #2271(CSA)	
4	3E015210	POWER CORD [EUR]	
	3E009230	POWER CORD [EXTC]	
	E0140630	POWER CORD [KOR]	
	E0140770	POWER CORD [JPN]	
	3E000350	POWER CORD [UK]	
5	3M0127000B	CUSHION 9x10x40	
6	3E9598600A	MAIN PCBA [EUR],[KOR],[JPN],[UK]	
	3E9598693A	MAIN PCBA [EXTC]	
7	3M0819500A	CD MECH WSL-2130, DA11VZ	
	L3E0394000A	FFC BNCD-P=1.0-K-16-200	
8		PCBA, TRANSFORMER	United on Gather A PCBA, see page 9
9	3M0191300B	BRACKET, TRANSFORMER	
10	3M0191200A	BRACKET, CD MECH	
11	3E0392400A	TRANSFORMER 230 V [EUR],[KOR],[UK]	
	3E0394800A	TRANSFORMER 100/120/230 V [EXTC], [JPN]	
12	M02481600A	CHASSIS, MAIN	
13	3M0047200A	FOOT ASSY, SD-455	
14		PCB, FRONT	
15	3M0265700A	SNAP RIVET, SR3-4.5 DAR	
16	3M0271100A	POWER SHEET CD-P1260	United on Gather A PCBA, see page 9
17		PCBA, POWER SW	United on Gather A PCBA, see page 9
18		PCBA, HEADPHONE	United on Gather A PCBA, see page 9
19	3M0265900B	BUTTON A [EUR],[KOR],[JPN],[UK]	
	3M0265910A	BUTTON A [EXTC]	
20	3M0266000A	BUTTON B [EUR],[KOR],[JPN],[UK]	
	3M0266010A	BUTTON B [EXTC]	
21	3M0265800F	FRONT PANEL [EUR],[KOR],[JPN],[UK]	
	3M0265810E	FRONT PANEL [EXTC]	
22	3M0266100C	TRAY PANEL [EUR],[KOR],[JPN],[UK]	
	3M0266110B	TRAY PANEL [EXTC]	
23	3M0266200B	WINDOW	
24	3M0051640A	BADGE, TEAC SILVER	
25	3M0164900B	BUTTON, POWER	
26	3M0024800A	KNOB, HEADPHONE VOLUME AD500	
27		PCBA, V SELECT [EXTC] only	
28	Not in use		
29	Not in use		
30	Not in use		
31	Not in use		
32	B00199808A	SCREW, BPB 4*8 FZB	
33	B00208807A	SCREW, FPS 3*7 FZB	
34	B00197808A	SCREW, PPSU 3*8 FZC	
35	B00192708A	SCREW, BPP 3*8 FZB	
36	B00208908A	SCREW, PPPU 3*8 FZB	
37	B00197612A	SCREW, PPSU 3*12 FZB	
38	Not in use		
39	B00197606A	SCREW, PPSU 3*6 FZB	
40	B00197806A	SCREW, PPSU 3*6 FZC	
41	B00199708A	SCREW, BPB 3*8 FZB	
42	B00199706A	SCREW, BPB 3*6 FZB	
43	B00170608A	SCREW, VPCR 3*8 FZB	

MAIN PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	3E9598600A 3E9598693A	MAIN PCBA [EUR], [KOR], [UK] MAIN PCBA [EXTC]	
	3E9098600A	PCB, MAIN	
BN2	3E0822500A	WIRE ASSY, 5 P CD MECHA	
BN3	3E0822600A	WIRE ASSY, 6 P CD LOADER	
C1,18	C0077250	CE, S 25 V 1000 UF M	
C11	C0077200	CE, S 25 V 100 UF M	
C115,120,121,125	C0049654	CE, 6.3 V 47 UF M VSS	
C140,147	C0049654	CE, 6.3 V 47 UF M VSS	
C22	C0077210	CE, S 25 V 220 UF M	
C23	C0077172	CE, S 25 V 22 UF M TP	
C24,26,43,45	C0049654	CE, 6.3 V 47 UF M VSS	
C49,50	C0049804	CE, 16V 10UF M VSS	
C3,21	C0077572	CE, S 50V10UF M TP	
C5,6,87,88,128	C0049844	CE, 16 V 100 UF M VSS	
C84,100,108,114	C0049654	CE, 6.3 V 47 UF M VSS	
C9	C0077280	CE, S 25 V 3300 UF M	
CN1	E0156820	CONNECTOR, B 5B-EHA(LF)	
CN2,4	E0119760	CONNECTOR, B 5B-PH-K-S	
CN3	3E0393100A	CONNECTER, 28FMN-BTK-A	
CN5	E0150690	CONNECTOR, 16FMN-BTRK	
D1 ~ 6,8, 9	S0071811	DIODE, 1N4003-F	
D16 ~ 19,40	S0071811	DIODE, 1N4003-F	
D10 ~ 15,20	S0022094	DIODE, 1SS355	
D22,29,35,36	S0022094	DIODE, 1SS355	
D21	3S000681	ZENER DIODE, MTZJ5.1B T-77	
D7,28	3S004171	ZENER DIODE, MTZ J 9.1B T-77	
L1,2,10	3E082160	BEAD, WBRH-3.5X3X1.25X5T	
L12	E0069824	COIL, CDRH5D28-100NC	
L3,9,11	3E003711G	COIL, 10 UH EC24-100K-T2	
P1	E0125830	JACK PIN 2P HSP-252V304-	
Q1	3S037762	TR, KTD1145-C-AT	
Q14	S0068694	TR, DTC114EKA TP	
Q15	S0073014	FET, RTF020P02 TL	
Q2,12,13	3S037732	TR, KTA1273-Y-AT/P	
Q3,6,7,10	S0078302	TR, KTA1266-R	
Q4,5,11	3S037772	TR, KTC3198-R-AT/P	
Q8.9	S0074832	TR, KTC2874BAT/P	
R85,130	3R039990	RES, 3 WS 200 OHM FKK	
RA1,4 ~ 6	R0193164	RES ARRAY, 82 OHM J 0603	
RA2,3	R0157474	RES ARRAY, 47 OHM 40603	
U1	S0066600	IC, NJM7805FA	
	L3M0084020B	HEATSINK 45MM	
	B00199408A	SCREW, BPB 3X8 FZC	
U10	3S038894	IC, PCS3P7303A 08CR	[EXTC] only
U2	3S038854	IC, S3F8289XZZ-QW89	
U3	S0069920	IC, UTC4558 DIP-8	
U4	3S038864	IC, S5L8030B	
U5	3S033483G	IC, M12L16161A-7T-2F	
U6	3S038874	IC, SST39VF040-PLCC	
U7	3S038884	IC, AM5888S	
U8	S0064184	IC, PQ1X331M2ZPH	
X1	3E038700G	XTAL, 8 MHZ	
X2	3E039210G	XTAL, 16.9344 MHZ	

GATHER A PCB

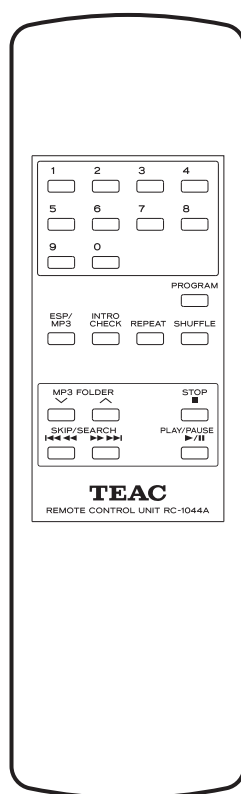


GATHER PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	3E9598701A	GATHER PCBA [JPN]	
	3E9598750A	GATHER PCBA [EUR]	
	3E9598793A	GATHER PCBA [EXTC]	
	3E9098700A	PCB, GATHER	
	3E9098800A	PCB, FRONT	
BN301	3E0822700A	FLAT CABLE, FFC 28P	
BN302	3E0822800A	WIRE ASSY, 5P FRONT	
C302	C0078422	CE, SM 16V10UF M TP	
CN303	E01568000A	LCD, CH-P1260	
	└E01568800A	LCD HOLDER	
R314	R0162931	RD, 1/4W 20 OHMJ26MM	
SW1 ~ 10	E0127100	SW, TACT SKHHAM2520	
U301	3S038920	SENSOR, REMOTE RPM7238-H8	
	3E9098900A	PCB, TRANS	
AC1,2	3E0143800B	WIRE #22 UL1672 BRN 200MM	
BN501	3E0392500A	WIRE ASSY, 5P POWER	
F1	E0126350	HOLDER, FUSE 5.0 (A PAIR USE)	
	└E0108160	FUSE, T-LA 1.6 A 218MXP N0	
P501	E0156840	TERMINAL, LAPPIN 2P	
L501	E0156850	FILTER, AC LINE LFH-601U	
	3E9099000A	PCB, PHONE	
BN201	3E0392700A	WIRE ASSY, 5P HP	
C201	C0077202	CE, S 25V100UF M TP	
C202,203	C0077572	CE, S 50V10UF M TP	
D201,202	S0067021	DIODE, 1SS133 T-77	
J201	E0152120	JACK, JY-6313-01-030D	
L201,202,203	3E082160	BEAD, WBRH-3.5X3X1.25X5T	
R201,202	3R001871	RD, 1/4 W 4.7 OHM J 26MM	
U201	3S000840	IC, BA4560	
VR1	R0202790	VAR RE, 50KAX2 RK09K12A	
	3E9099100A	PCB, POWER SW	
C403	E0122630	SPK KILLER, CS12-F2A472MYAS	
SW401	3E017990	SW, POWER SDDL B1327U	
	3E9099200A	PCB, V SELECT	
SW402	3E040130	SW, SL14-22AH-0AN	[EXTC] only
E	3E0075200A	WIRE, #22 UL1672 BRN 150 MM	
F	3E0075100A	WIRE, #22 UL1672 WHT 150 MM	
G	3E0075300A	WIRE, #22 UL1672 ORG 150 MM	

5. INCLUDED ACCESSORIES

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	3D0787900A	OWNER'S MANUAL(J) [JPN]	except [JPN]
	3D0787910A	OWNER'S MANUAL (EFS) [EUR],[EXTC],[KOR],[UK]	
	3D0787920A	OWNER'S MANUAL (GIN) [EUR]	
	D00819901B	DISTRIBUTOR LIST, WORLDWIDE	
	E0161470	PIN CORD, RCA X 2 (WHITE/RED) 106 CM	
	E0155040	BATTERY, AA UM-3 R6P (2 PCS)	
	E01335300A	REMOTE CONTROL UNIT, RC-1044A	

REMOTE CONTROL UNIT
RC-1044A

CD-P1260

TEAC

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