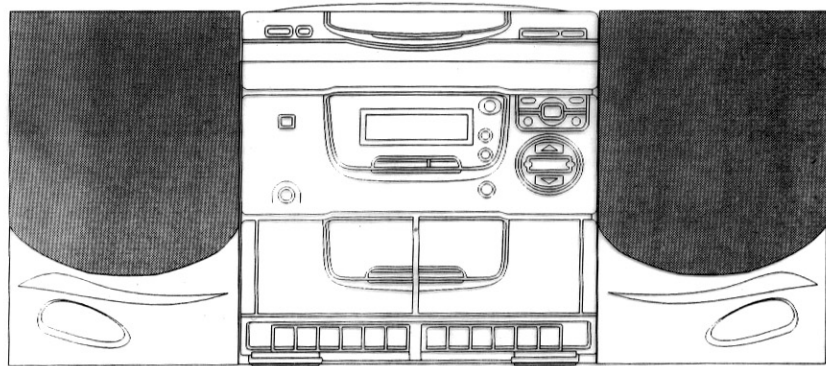




Service Manual

Mini Component System

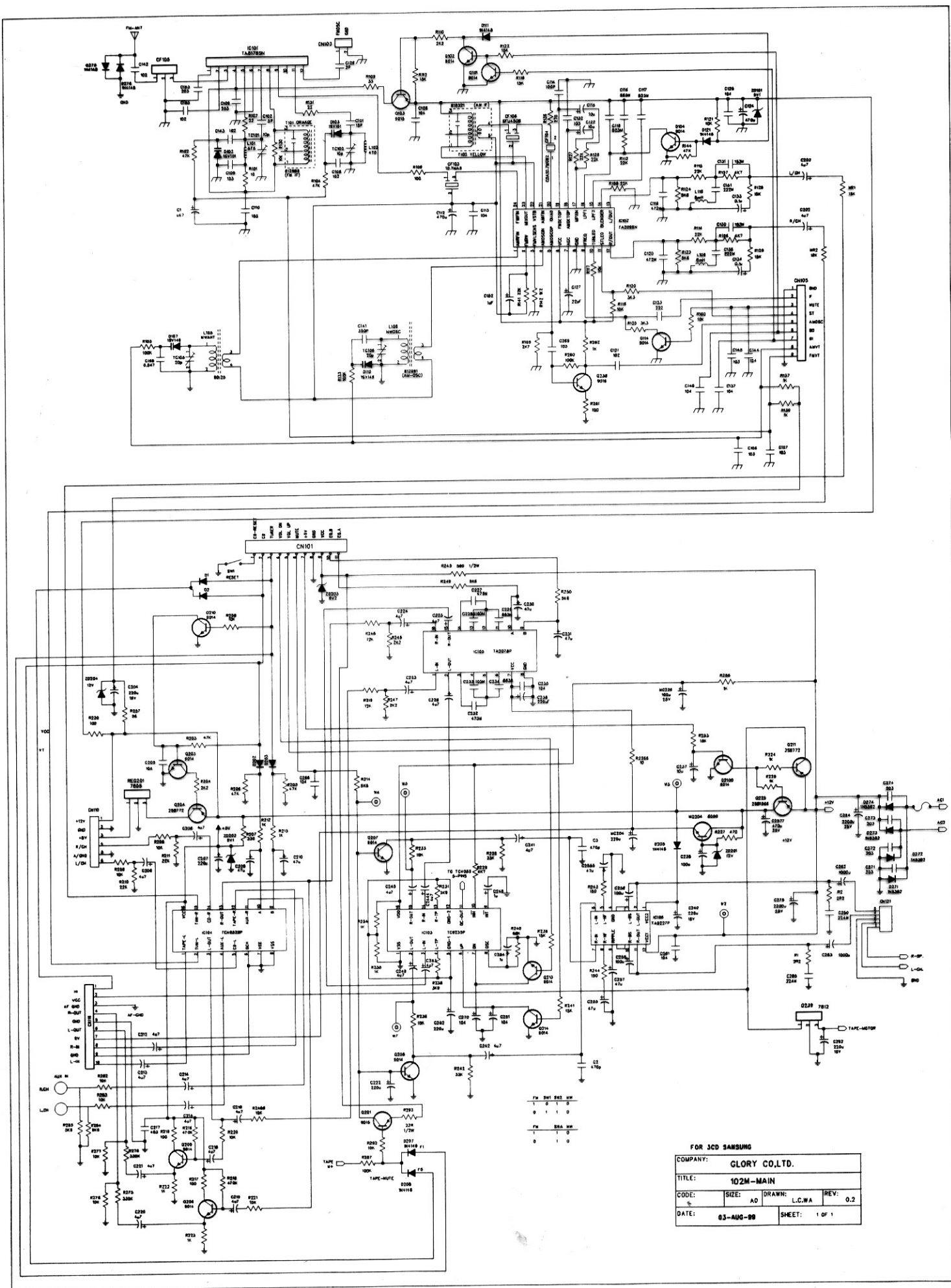
AMI-102M

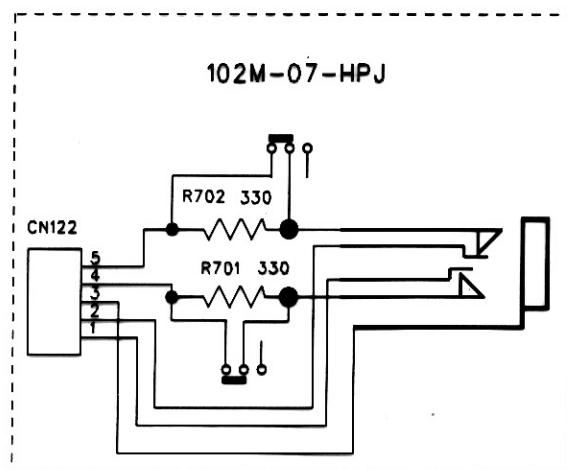


DAEWOO ELECTRONICS CO.,LTD

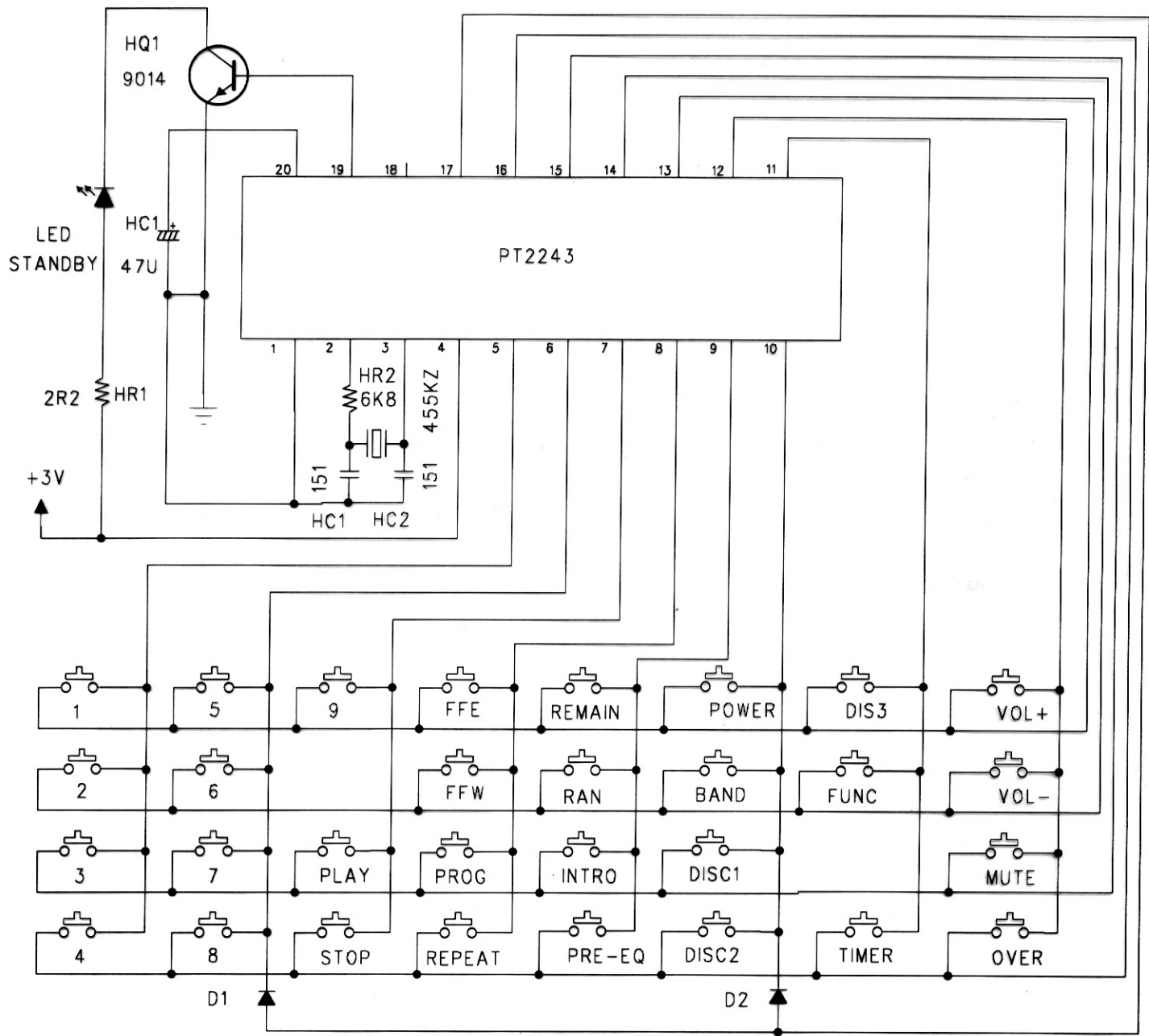
CONTENTS:

# SCHEMATIC DIAGRAM	P.1-7
# PCB LAYER DIAGRAM	P.8-14
# WIRING DIAGRAM	P.15
# ALIGNMENT PROCEDURE	P.16-19
# EXPLODED VIEW FOR MAIN UNIT	P.20
# PART LIST	P.21-32



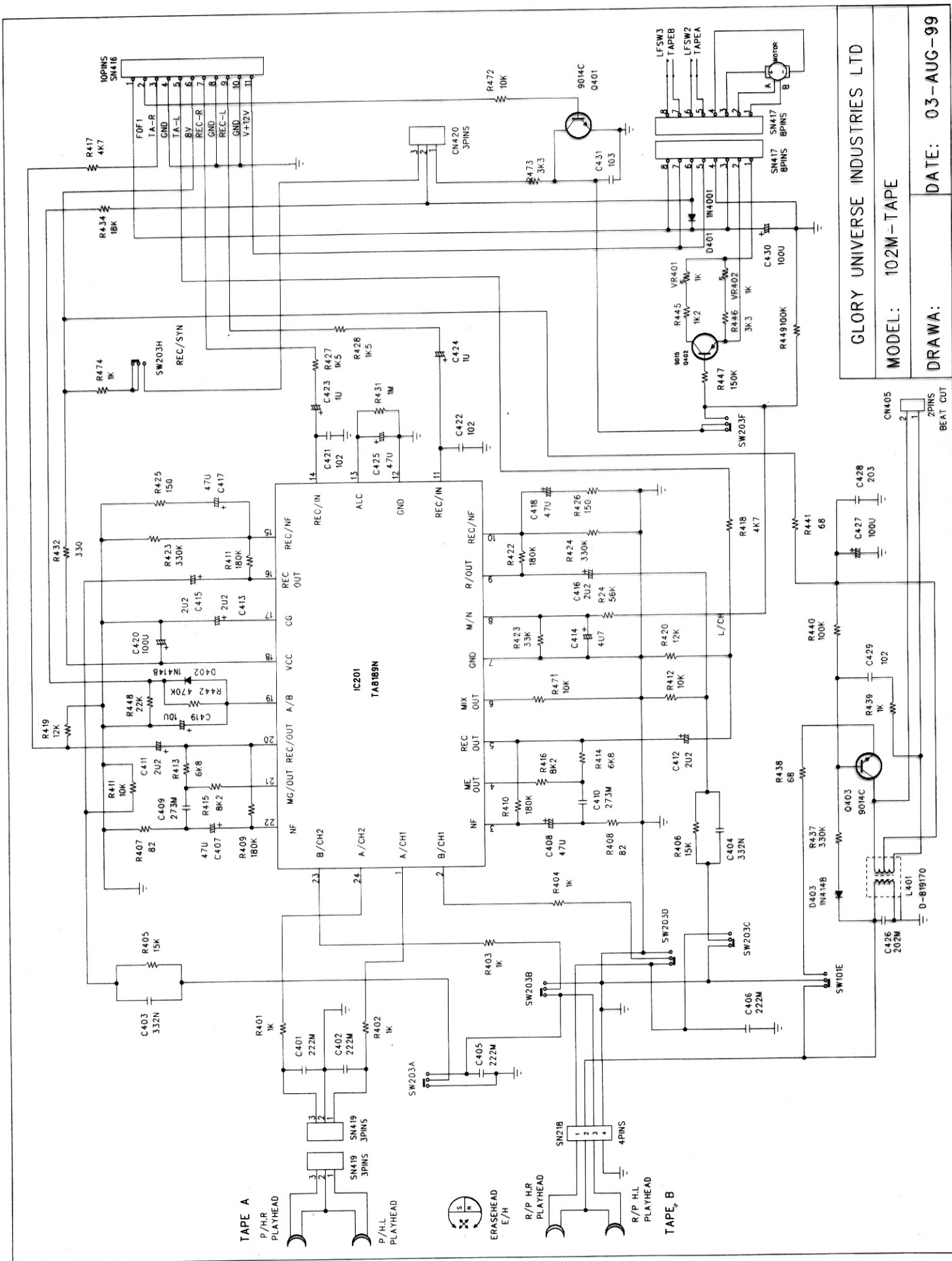


COMPANY: GLORY CO,LTD.			
TITLE: 102M HEADPHONE BOARD			
CODE:	SIZE: A4	DRAWN: L.C.WA	REV:
DATE: 03-AUG-99		SHEET: 1 OF 1	



FOR 3CD SAMSUNG

COMPANY:		GLORY CO,LTD.		
TITLE:		102M-REMOTE		
CODE:	SIZE:	DRAWN:	REV:	
	A4	L.C.WA	0.2	
DATE:		03-AUG-99		SHEET: 1 OF 1

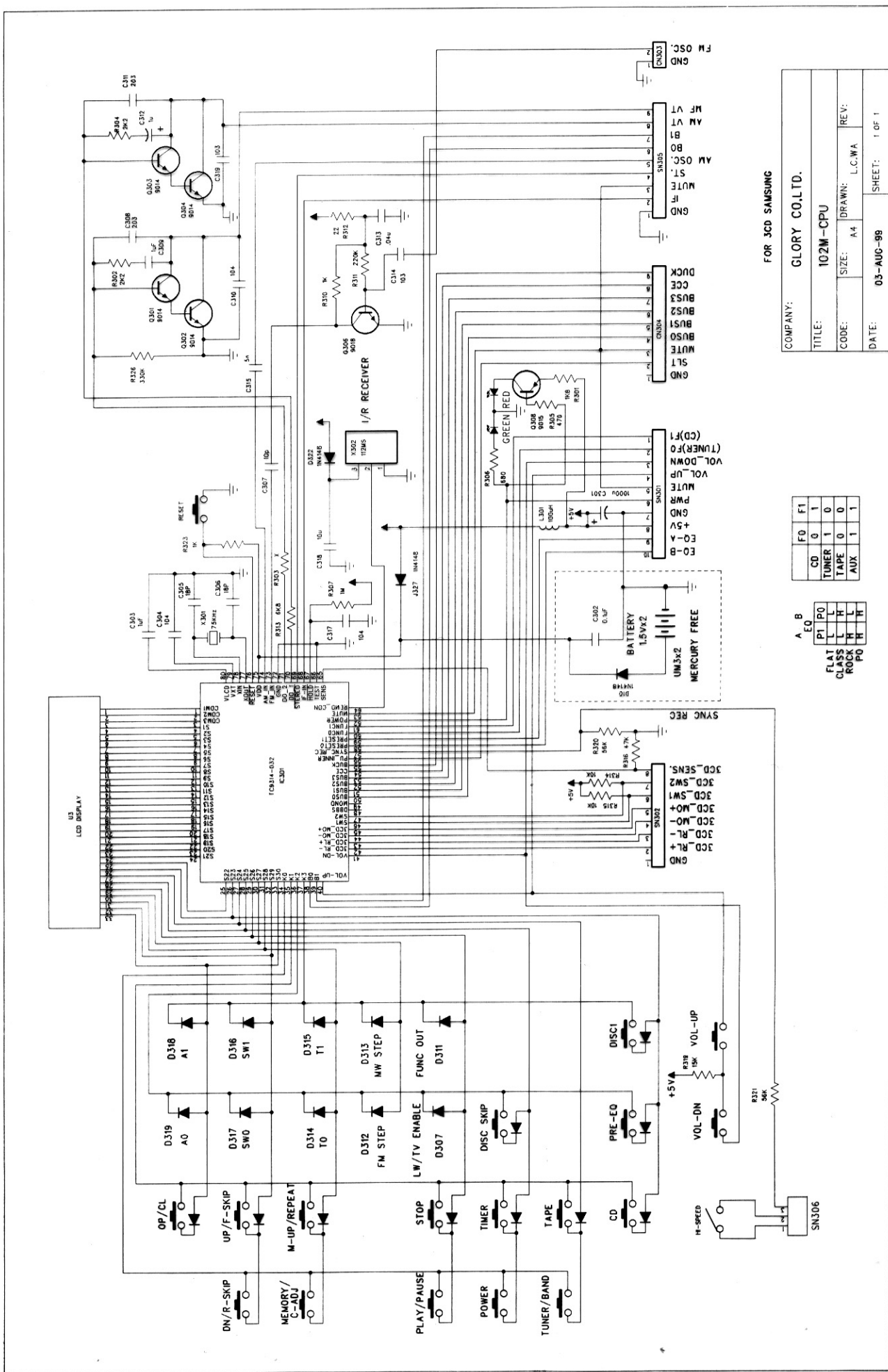


GLORY UNIVERSE INDUSTRIES LTD

MODEL: 102M-TAPE

DRAWN:

DATE: 03-AUG-99

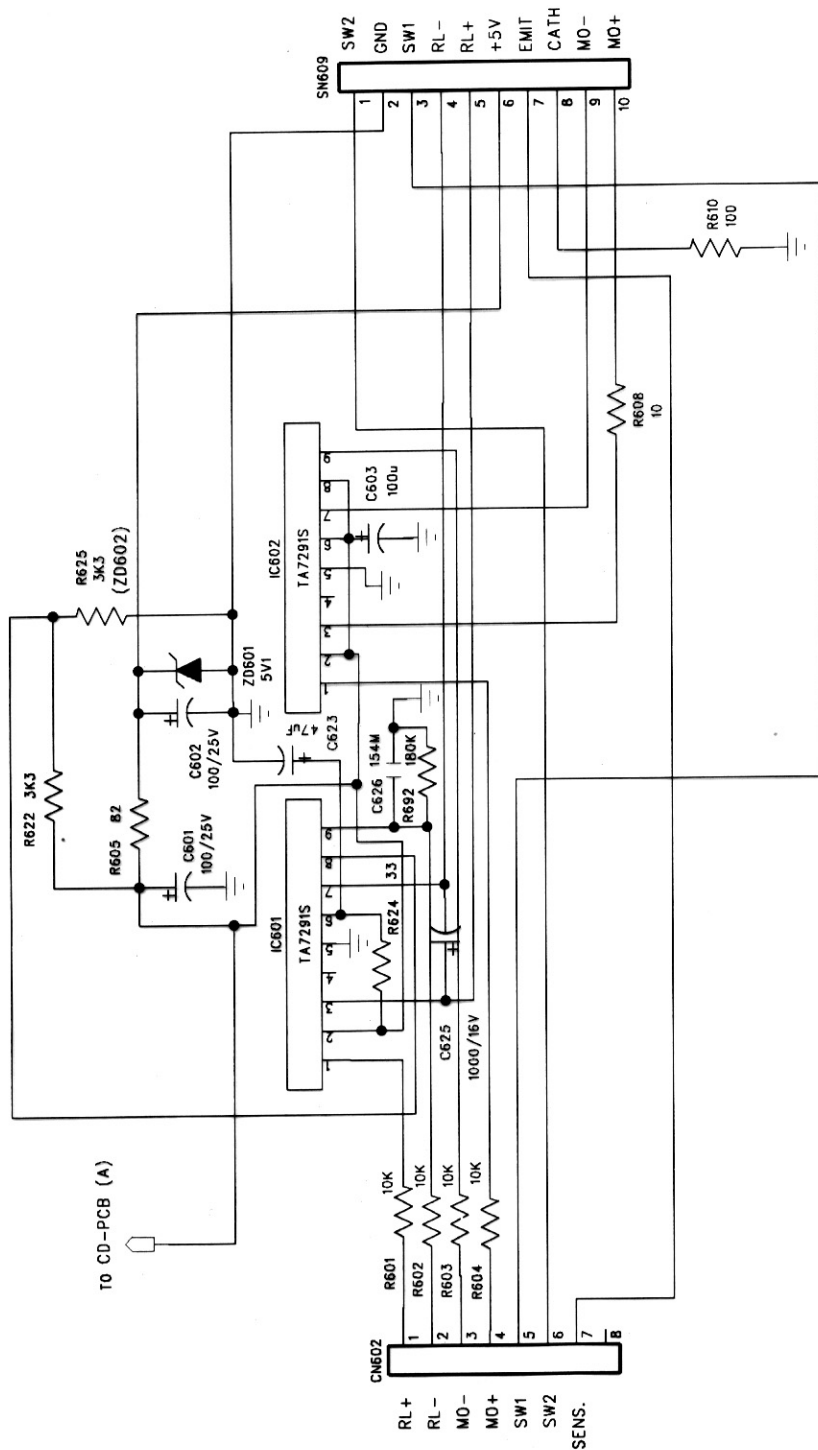


FOR JCD SAMSUNG

COMPANY:	GLORY CO.LTD.
TITLE:	102M-CPU
CODE:	SIZE: A4
DATE:	03-AUG-98
SHEET:	1 OF 1

F0	F1
CD	0
TUNER	1
TAPE	0
AUX	1

A	B
EQ	EQ
FLAT	L
CLASS	L
ROCK	L
PO	L



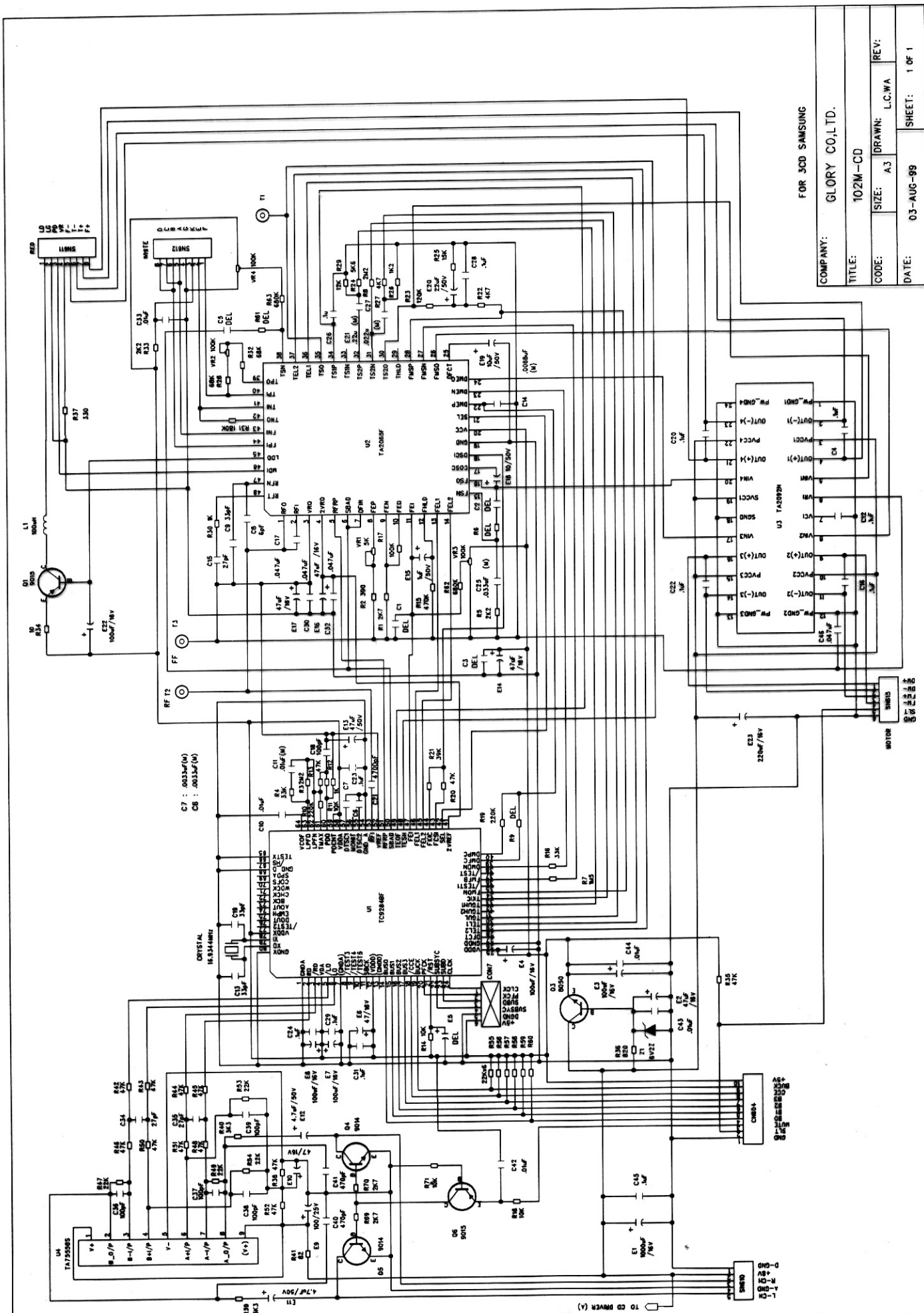
FOR 3CD SAMSUNG

COMPANY: GLORY CO.,LTD.

TITLE: 102M 3CD DRIVER

CODE: SIZE: A3 DRAWN: L.C.WA REV:

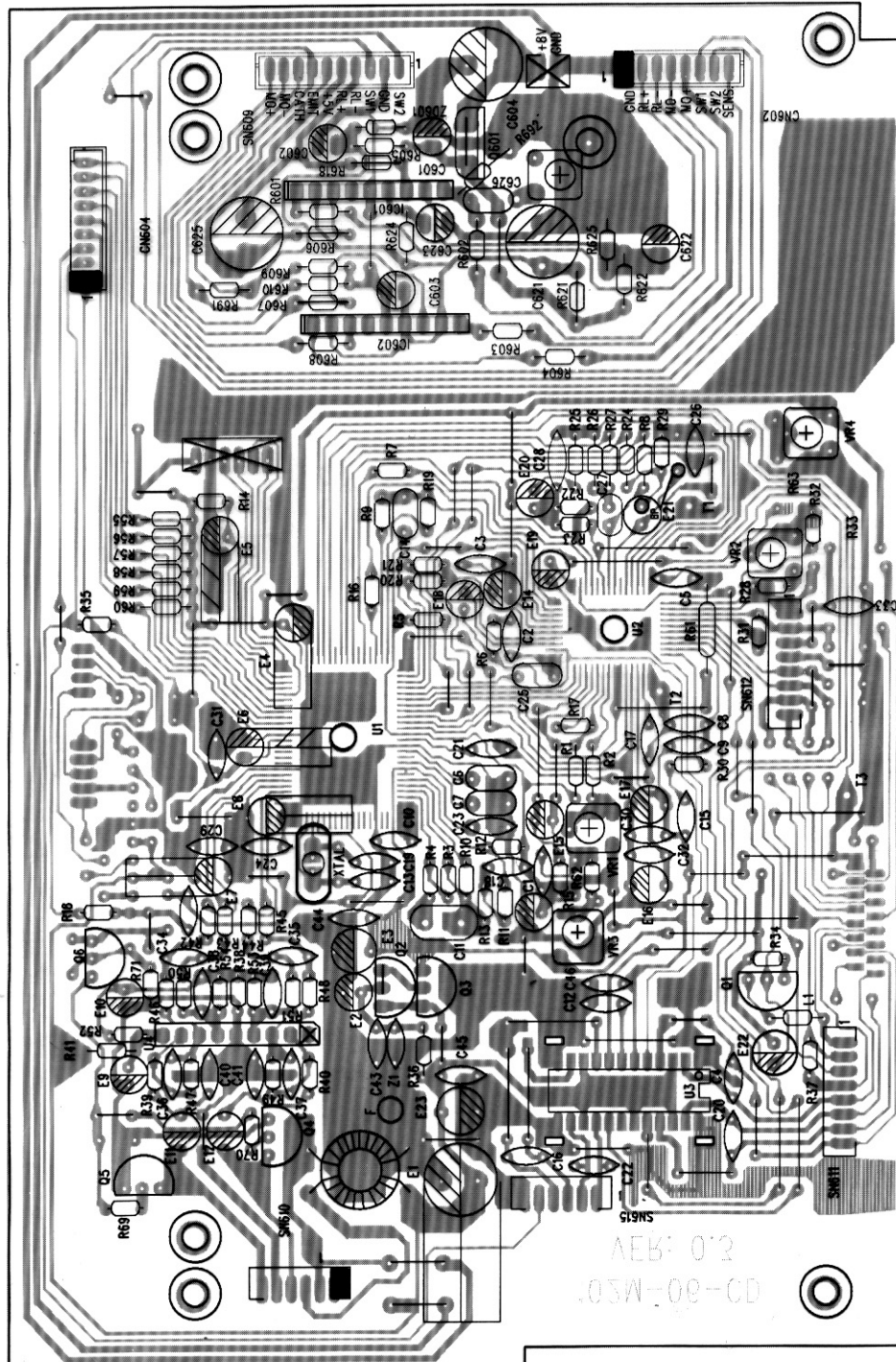
DATE: 03-AUG-99 SHEET: 1 OF 1



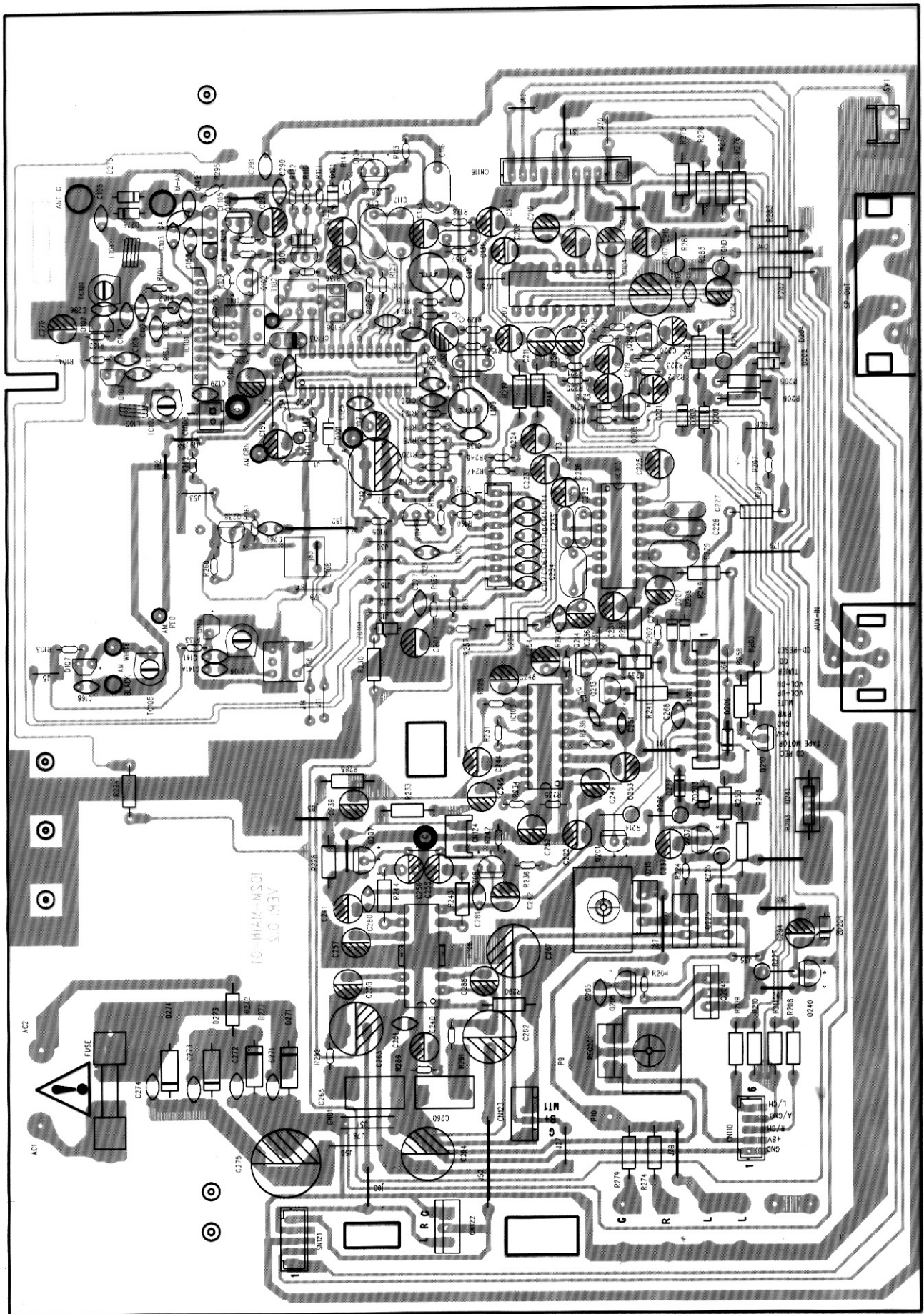
FOR SCD SAMSUNG

COMPANY:	GLORY CO., LTD.
TITLE:	102M-CD
CODE:	SIZE: A3
DATE:	03-AUG-99
	DRAWN: L.C.W.A
	REV:
	SHEET: 1 OF 1

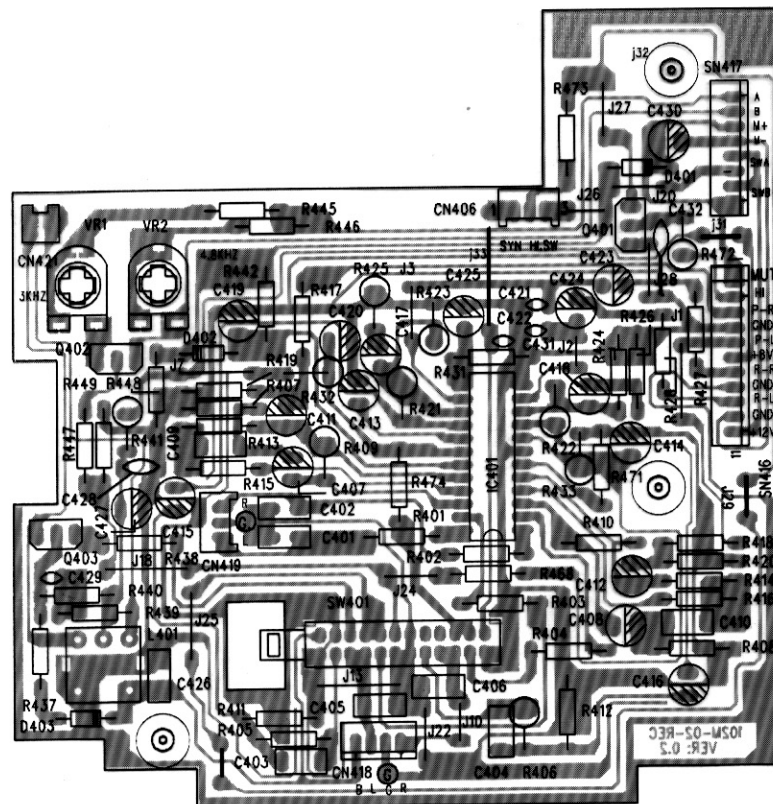
102M-06-CD BOARD



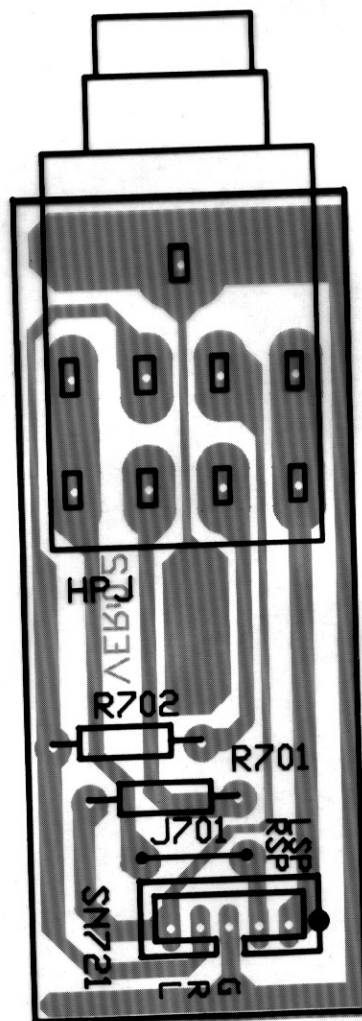
102M-01-MAIN BOARD



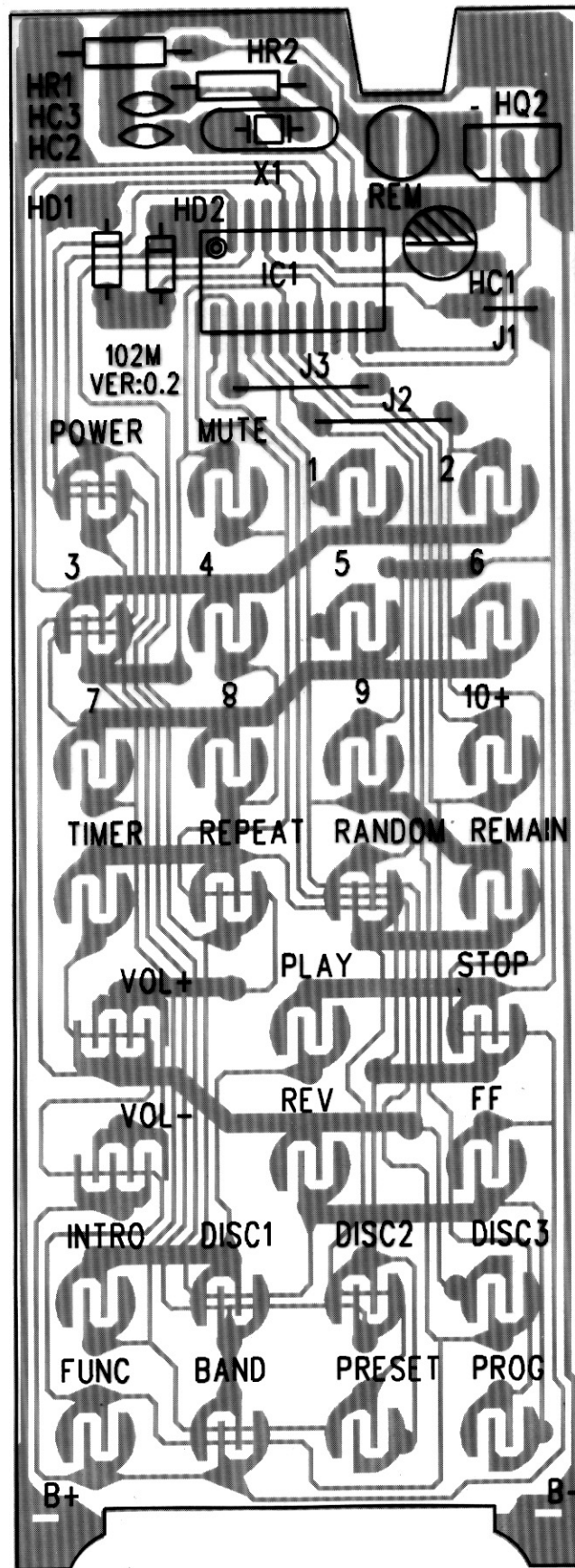
102M-02-REC BOARD



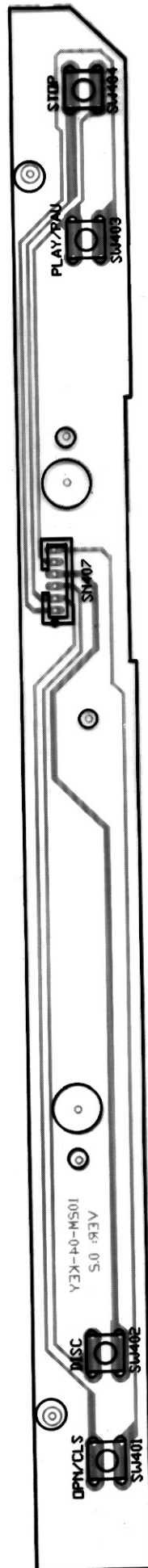
102M-07-HPJ BOARD



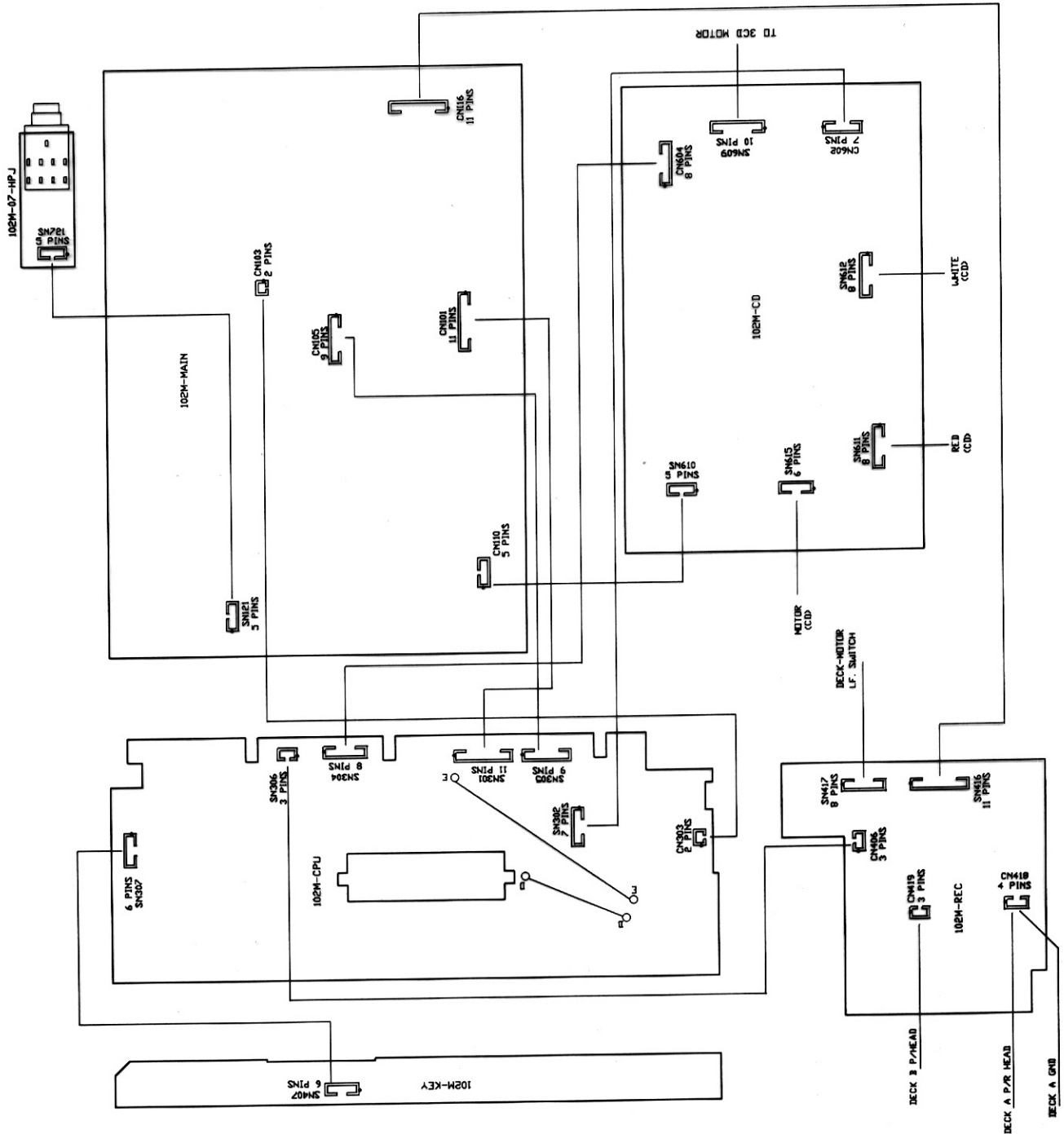
102M REMOTE BOARD



102M-04-KEY BOARD



102M WIRING DIAGRAM



ALIGNMENT PROCEDURE

MODEL NO. : AMI-102M

GENERAL PREPARATION

INSTRUMENTS REQUIRED

1. AM Signal Generator
2. FM Signal Generator
3. FM/AM IF Sweep Generator (10.7MHz for FM)
4. VTVM
5. Oscilloscope
6. Frequency counter
7. Regulated DC power supply

1. Check source voltage, DC or AC according to specifications
2. Set function switch to band being aligned
3. Signal input should be kept as low as possible to avoid AGC and AFC function
AM 1 KHz 30% mod
FM 1 KHz 22.5KHz dev
4. Standard modulation :

AM IF ALIGNMENT

STEP	SIGNAL SOURCE (IF sweep Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	A standard radiation loop	465 KHz	TP (IC102) AM Detector output terminal and ground	Quiet Point	T102	Maximum	Volume control at min. position

P.16

FM IF ALIGNMENT

STEP	SIGNAL SOURCE (IF sweep Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	TP ANT and ground	10.7 MHz	TP (IC102) FM Detector output terminal and ground	Quiet Point	T101	Max. output symmetrical response to obtain 'S' curve linearity, with max.	Volume control at min. position

ALIGNMENT PROCEDURE

MODEL NO. : AMI-102M

FM RF ALIGNMENT

STEP	SIGNAL SOURCE (FM Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (DCV Meter) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	NO signal	Quite point	TP R102,R104 terminal and ground	87.5 MHz	L102 (Osc. coil) stretch or TC102 (Osc.trimmer)	2V (+/- 0.2v)	Volume control at max. position
2				108 MHz		8V (+/- 0.2v)	
	SIGNAL SOURCE (FM Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	
3	TP ANT and ground	90.1 MHz (modulated)	Terminals across speaker voice coil	90.1 MHz	L101 (RF coil) stretch or squeeze TC101 (RF trimmer)	Maximum	
4		106.1 MHz (modulated)		106.1 MHz			
5	Repeat steps 3 and 4 as necessary to minimize tracking error and also steps 1 and 2 if necessary						

ALIGNMENT PROCEDURE **MODEL NO. : AMI-102M**

AM RF ALIGNMENT

STEP	SIGNAL SOURCE (AM Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (DCV Meter) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	NO signal	Quite point	TP R103,R133 terminal and ground	522 KHz	L106 (Osc. coil)	2V (+/- 0.2v)	Volume control at max. position
2				1620 KHz	TC106 (Osc. trimmer)	8V (+/- 0.2v)	
	SIGNAL SOURCE (AM Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	
3	A standard radiation loop ant.	612 KHz (modulated)	Across speaker voice coil	612 KHz	L101 (ant. coil)	Maximum	
4		1404 KHz (modulated)		1404 KHz	TC105 (ant. trimmer)		
5	Repeat steps 3 and 4 as necessary to minimize tracking error and also steps 1 and 2 if necessary						

ALIGNMENT PROCEDURE

MODEL NO. : AMI-102M

1.) INSTRUMENTS REQUIRED :

1. OSCILLOSCOPE (Bandwidth 40 MHz or better).
2. AUDIO FREQ. SIGNAL GENERATOR.
3. DUAL CHANNEL AC MILLIVOLT METER.
4. SONY TEST CD TYPE 4 No. YEDS 18.

2.) RF LEVEL ADJUSTMENT :

- a. Connect the probe of the oscilloscope to Test Point RF (U2-RFO) and the probe's GND to the Test point VC (U2-VRO).
 - b. Insert a SONY test CD YEDS 18 and play the track number 2.
 - c. Adjust the semi-fixed VR1 on CD PCB to optimize the RF waveform unit maximum amplitude and clearest waveform is obtained.
 - d. Remove the Test probe of the Oscilloscope when alignment of RF has completed.
- After adjusted $A = 1.0V \pm 0.2V$ P-P.

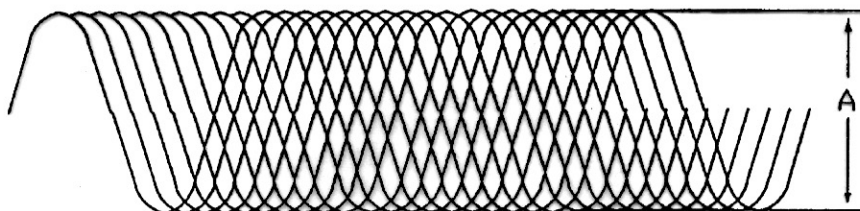


FIG 1.

3.) EF BALANCE ADJUSTMENT :

- a. Pre-set the BEAM of the Oscilloscope to the center of the screen and set the input coupling to DC position.
- b. Connect the probe of the Oscilloscope to Test point TE (U2-TSO) and the probe's GND to Test point VC (U2-VRO). Then play a SONY test CD YEDS 18.
- c. Observe the pattern on the oscilloscope while pressing the control >> or << key.
- d. The symmetrical wave height (A almost equal B) as shown in FIG 2.
- e. Remove the Test probe of the Oscilloscope after completed this item.

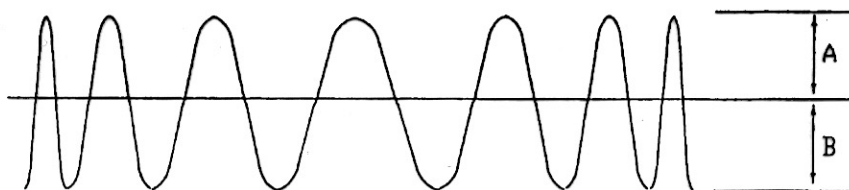
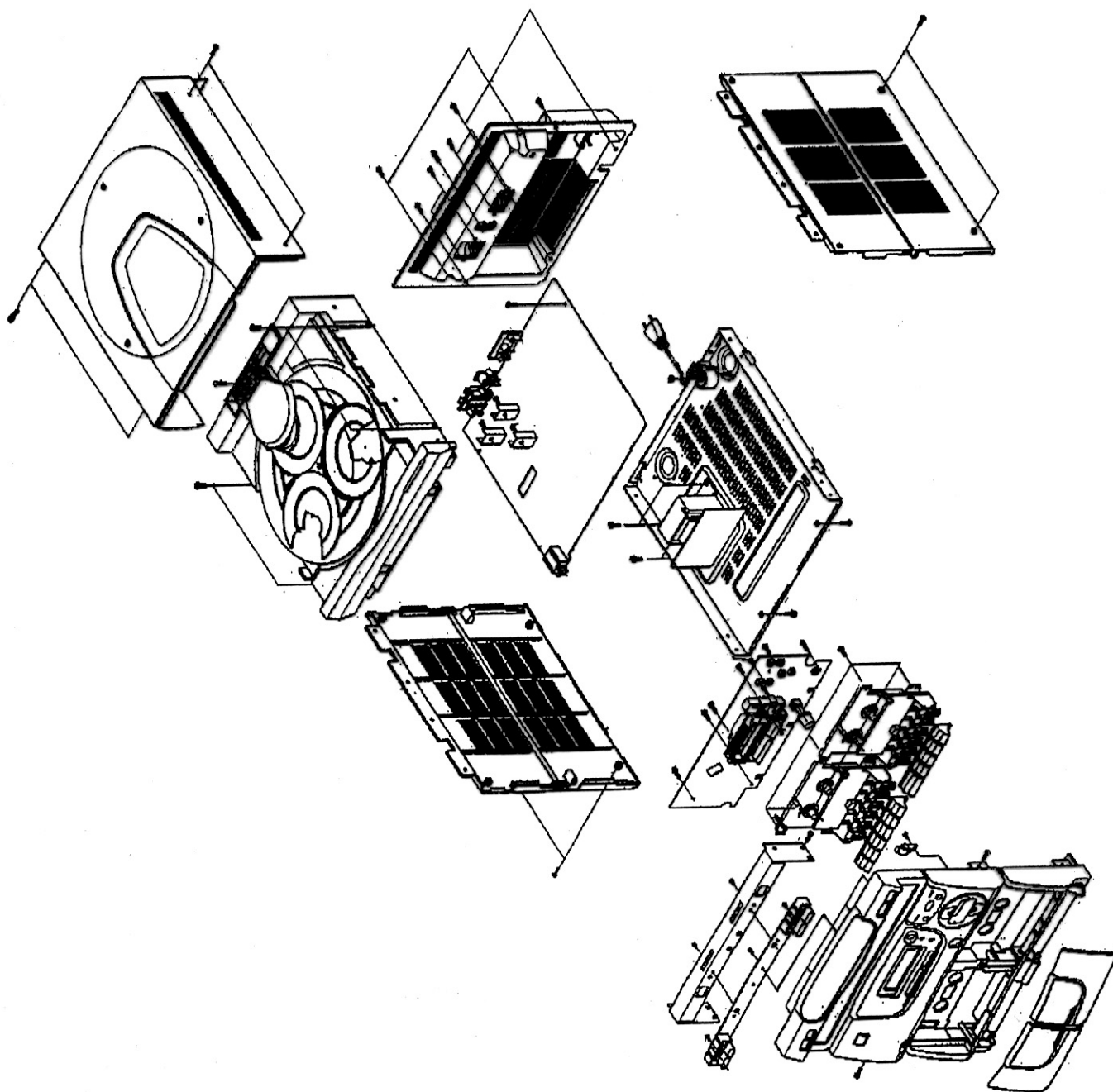


FIG 2.

4.) FE FOCUS SERVO GAIN ADJUSTMENT:

- a. Connect the probe of the DCV Meter to Test point TE (U2-TSO) and the probe's GND to Test point VC (U2-VRO)
- b. Insert a SONY test CD YEDS 18 and play the track number 2.
- c. Adjust the semi-fixed VR4 on CD PCB is adjustment TE 0V

EXPLODED VIEW



B I L L O F M A T E R I A L

AM/FM AC230V VDE STANDARD

PART NO.	DESCRIPTION	QTY	POSITION NUMBER
1 101-0202-010	PCB MAIN BOARD 94V0 102M-01-MAIN 195x245mm	1	MAIN-PCB (M)
2 101-0202-020	PCB TAPE BOARD 94HB 102M-02-REC 108x103mm	1	TAPE-PCB (R)
3 101-0202-070	PCB JACK BOARD 94HB 102M-07-HPJ 55x31mm	1	HP-PCB (P)
4 101-0202-120	PCB HEAPHONE MTG BOARD 94HB 102M-11-HPK 74x15mm	1	HP-BLK-PCB
5 101-0202-030	PCB DISPLAY BOARD 94HB 102M-03-CPU 247x100mm	1	CPU-PCB (U)
6 101-0202-040	PCB KEY BOARD 94HB 102M-04-KEY 260x19mm	1	KEY-PCB (K)
7 101-0202-060	PCB CD SERVO BOARD 94HB 102M-06-CD 190x125mm	1	CD-PCB (C)
8 101-0202-080	REMOTE HAND SET PCB 94HB 102M-08-RM 116x42mm	1	REMOTE-PCB (H)
9 103-812981-C	7mm IFT 812981(RED)	1	MT106 (AM OSC)
10 103-815321-C	7mm IFT 815321(YELLOW)	1	MT102(AM IF)
11 103-812988-C	7mm IFT 812988(PINK)	1	MT101(FM IF)
12 103-960174-T	IFT 12DM-N960174A (BLACK)	1	RL401
13 109-0102-180	RE 1/8W OHM 1K	1	UR323
14 109-0560-180	RE 1/8W OHM 56K	1	UR320
15 109-0474-180	RE 1/8W OHM 470K	1	CR15
16 109-0684-180	RE 1/8W OHM 680K	1	CR62
17 109-0010-180	RE 1/4W OHM 1	2	MR291,292
18 109-0022-180	RE 1/4W OHM 2.2	1	HR1
19 109-0010-180	RE 1/4W OHM 10	4	MR101;CR34,607;UR308
20 109-0220-180	RE 1/4W OHM 22	3	MR107,131;UR312
21 109-0330-180	RE 1/4W OHM 33	2	MR109;CR624
22 109-0560-180	RE 1/4W OHM 56	1	MR257
23 109-0680-180	RE 1/4W OHM 68	2	RR438,441
24 109-0820-180	RE 1/4W OHM 82	4	CR52,605;RR407,408
25 109-0101-180	RE 1/4W OHM 100	6	MR108,215,217,261,290;CR610
26 109-0151-180	RE 1/4W OHM 150	2	RR425,426
27 109-0271-180	RE 1/4W OHM 270	3	MR136,243,244

28	109-0331-180	RE 1/4W OHM 330		4	PR701,702;CR37;RR432
29	109-0391-180	RE 1/4W OHM 390		1	CR2
30	109-0471-180	RE 1/4W OHM 470		1	MR227
31	109-0681-180	RE 1/4W OHM 680		2	MR226;UR306
32	109-0821-180	RE 1/4W OHM 820		1	CR36
33	109-0102-180	RE 1/4W OHM 1K			MR222,223,212,213,224,225,234,288,262
34	109-0122-180	RE 1/4W OHM 1K2		23	235,137,139;CR12,30;RR401-404,439,417,418,474;UR310
35	109-0152-180	RE 1/4W OHM 1K5		3	MR142;CR26;RR445
36	109-0182-180	RE 1/4W OHM 1K8		2	RR428,427
37	109-0222-180	RE 1/4W OHM 2K2		2	MR207;UR301
38	109-0272-180	RE 1/4W OHM 2K7		7	MR110,289,105;CR5,33;UR302,304
39	109-0332-180	RE 1/4W OHM 3K3		4	MR105;CR1,69,70
40	109-0392-180	RE 1/4W OHM 3K9		8	MR120,125;CR39,40, 622,CZD602;RR473,446
41	109-0472-180	RE 1/4W OHM 4K7		2	MR231,238
42	109-0562-180	RE 1/4W OHM 5K6		6	CR22,27;MR156,157,229,252,247
43	109-0682-180	RE 1/4W OHM 6K8		10	MR249,250,210,211,284,285,123,124;CR24;UR305
44	109-0822-180	RE 1/4W OHM 8K2		6	MR214;HR2;CR6;RR414,413;UR313
45	109-0103-180	RE 1/4W OHM 10K		2	RR415,416
46	109-0123-180	RE 1/4W OHM 12K			277,202,130,117,118;CR601-604,11,14,18,71;
47	109-0153-180	RE 1/4W OHM 15K		26	RR411,412,471, 472;UR314,315
48	109-0223-180	RE 1/4W OHM 22K		4	MR295;CR29;RR419,420
49	109-0273-180	RE 1/4W OHM 27K			MR112,122,116,121,128,129,239,241,253,
50	109-0333-180	RE 1/4W OHM 33K		15	246,219;CR25;RR405,406;UR319
51	109-0393-180	RE 1/4W OHM 39K		20	60;RR448;UR303
52	109-0473-180	RE 1/4W OHM 47K		2	MR1,2
53	109-0563-180	RE 1/4W OHM 56K		7	MR228,242,282,283;CR4,16;RR433
54	109-0683-180	RE 1/4W OHM 68K		3	MR208,209;CR21
55	109-0104-180	RE 1/4W OHM 100K			MR102,104,144,205,206,203;CR13,20,35,38,42-46,48,50-
56	109-0124-180	RE 1/4W OHM 120K		21	52;CR9;UR316
				2	RR468;UR321
				3	MR240;CR28,32
				7	MR133,103,260,287;CR17;RR440,449
				1	CR23

57	109-0154-180	RE 1/4W OHM 150K	1	RR447	
58	109-0184-180	RE 1/4W OHM 180K	6	CR31,692;RR422,410,409,421	
59	109-0224-180	RE 1/4W OHM 220K	3	CR10,19;UR311	
60	109-0334-180	RE 1/4W OHM 330K	6	MR275,276;RR423,424,437;UR326	
61	109-0474-180	RE 1/4W OHM 470K	3	MR216,218;RR442	
62	109-0684-180	RE 1/4W OHM 680K	1	CR63	
63	109-0105-180	RE 1/4W OHM 1M	2	RR431;UR307	
64	109-0155-180	RE 1/4W OHM 1M5	1	CR7	
65	109-0225-180	RE 1/4W OHM 2M2	2	CR3,8	
66	109-0100-120	RE 1/2W OHM 10	1	MI79	
67	109-0220-120	RE 1/2W OHM 22	1	MR293	
68	109-0151-120	RE 1/2W OHM 150	1	MR230	
69	109-0561-120	RE 1/2W OHM 560	1	MR245	
70	110-0050-1J0	C.CAP 5P	2	MC102,129	
71	110-0060-1J0	C.CAP 6P	1	CC8	
72	110-0080-1J0	C.CAP 8P	1	MTC101A	
73	110-0100-1J0	C.CAP 10P	1	UC307	
74	110-0150-1J0	C.CAP 15P	2	MC101,141A	
75	110-0180-1J0	C.CAP 18P	2	UC305,306	
76	110-0220-1J0	C.CAP 22P	1	MCA	
77	110-0270-1J0	C.CAP 27P	3	CC15,34,35	
78	110-0330-1J0	C.CAP 33P	3	CC9,13,19	
79	110-0101-1J0	C.CAP 100P	6	MC114;CC18,36-39	
80	110-0151-1J0	C.CAP 150P	2	HC2,3	
81	110-0391-1J0	C.CAP 390P	1	MC141	
82	110-0471-1J0	C.CAP 470P	3	CC1,40,41	
83	110-0102-1J0	C.CAP 0.001uF	12	MC103,108,142,143,121,280,281;RC421,422,429;CCA,CCB	
84	110-0202-1J0	C.CAP 0.002uF	1	MC123	
85	110-0472-1J0	C.CAP 0.0047uF	1	CC21	
86	110-0502-1J0	C.CAP 0.005uF	3	MC290,291,UC315	
87	110-0103-1J0	C.CAP 0.01uF		MC110,132,105-	
88	110-0203-1J0	C.CAP 0.02uF	17	107,137,140,145,269;UC314,319;CC10,33,42,43,44;RC431	
			10	MC153,277,311,271-274,UC311,308,RC428	

89	110-0403-1J0	C.CAP 0.04uF		2	MC217,UC313	
90	110-0473-1J0	C.CAP 0.047uF		5	MC168;CC17,30,32,46	
91	110-0104-1J0	C.CAP 0.1uF		28	MC270,251,235,261,113,125,144,268,205;CC4,12,16,20,22,23,24,26,28,29,31,45,3;UC302,303,304,310,317,320	
92	110-0182-1J0	M.CAP 0.0018uF		2	MC233,228	
93	110-0222-2J0	M.CAP 0.0022uF		6	MC151,136;RC401,402,405,406	
94	110-0332-2J0	M.CAP 0.0033uF		5	CC6,7;RC426,403,404	
95	110-0472-2J0	M.CAP 0.0047uF		2	MC119,120	
96	110-0682-2J0	M.CAP 0.0068uF		1	CC14	
97	110-0153-2J0	M.CAP 0.015uF		4	MC130,131,227,232	
98	110-0223-2J0	M.CAP 0.022uF		1	CC27	
99	110-0273-2J0	M.CAP 0.027uF		2	RC409,410	
100	110-0333-2J0	M.CAP 0.033uF		1	CC25,	
101	110-0683-2J0	M.CAP 0.068uF		3	MC234,249,116	
102	110-0823-2J0	M.CAP 0.082uF		3	MC117,118;CC626	
103	110-0103-2J0	M.CAP 0.01uF		1	CC11	
104	110-0104-2J0	M.CAP 0.1uF		2	MC260,265	
105	110-0224-2J0	M.CAP 0.22uF		1	CE21	
106	110-0010-350	E.CAP 10V 0.1uF		2	MC134,133	
107	110-0047-350	E.CAP 50V 0.47uF		1	MC276	
108	110-0100-350	E.CAP 10V 1uF		10	MC152,248,254,115;CE15;RC423,424;UC312,309,303A	
109	110-0220-350	E.CAP 10V 2.2uF		5	RC411,412,413,415,416	
110	110-0470-350	E.CAP 10V 4.7uF		28	MC202,203,206,208,211,216,215,221,218,219,224,223,220,225,226,244,245,253,249,252,214,241,242,213;CE11,12;RC414,419	
111	110-1000-350	E.CAP 10V 10uF		6	MC237,122;CE18,19,5;UC318	
112	110-2200-350	E.CAP 10V 22uF		2	MC127;CE20	
113	110-4700-350	E.CAP 10V 47uF		15	MC222;HC1;CE2,13,14,16,17,10,6;CC623,CE1A;RC425,418,417,407,408	
114	110-4700-316	E.CAP 16V 47uF		2	MC230,231	
115	110-4700-325	E.CAP 25V 47uF		3	MC257,255,256	
116	110-0101-310	E.CAP 10V 100uF		6	CE3,4,7,8,22,603	
117	110-0101-325	E.CAP 25V 100uF		10	MC294,239,288,259,297;CC601,602,CE9;RC420,427	

118	110-0221-316	E.CAP 16V 220uF	7	MC204,207,252,240,236;RC430;CE23
119	110-0471-316	E.CAP 16V 470uF	2	MC124,112,
120	110-0471-325	E.CAP 25V 470uF	3	MC267,262,263
121	110-0102-316	E.CAP 16V 1000uF	2	CE1,CC625
122	110-0222-325	E.CAP 25V 220uF	2	MC275,264
123	110-0102-610	E.CAP 10V 1000uF 18x16mmC	1	UC301
124	110-0050-450	E.CAP 50V 0.47uF NON-POLARIZED	1	CC2
125	102-0021-BA0	IC BA4558N	1	CU4
126	102-0023-TA0	IC TA8227	1	MIC106
127	102-0005-PT0	IC PT2243S (SOP 20)	1	HIC1 (REMOTE)
128	102-0006-PT0	IC TA2078(DIP16)	1	MIC105
129	102-0006-TA0	IC TA2065F	1	CU2
130	102-0006-TA0	IC TA2092N	1	CU3
131	102-0016-TA0	IC TA2099N	1	MIC102
132	102-0017-TA0	IC TA7291S	2	CIC601,602
133	102-0021-TA0	IC TA8176SN	1	MIC101
134	102-0022-TA0	IC TA8189N	1	RIC401
135	102-0028-TA0	IC TC4052BP (DIP16)	1	MIC104
136	102-0031-TA0	IC TC9235P	1	MIC103
137	102-0042-TA0	IC TC9284BF	1	CU1
138	102-0050-TA0	IC TC9314-034	1	UIC301(CPU)
139	102-0002-ML0	ML7808FA	2	REG201, MQ215
140	107-0012-000	TR 8050C	2	MQ240;CQ3
141	107-0011-000	TR 9014C		MQ203,205,237,206,213,214,101,104,114,
142	107-0016-000	TR 9015C	22	207,208,102,210;HQ1,CQ5,4;RQ401,403; UQ301-304
143	107-0013-000	TR 9018F	4	MQ201,103CQ1,6;RQ402;UQ308
144	107-0013-000	TR R1003	2	MQ238;UQ306
145	107-0025-000	TR KSB772Y	1	RQ401
146	107-0029-000	TR 2SB1566E	3	MQ204,225,211
147	107-0003-000	DIODE IN4001	1	MQ211
148	107-0004-000	DIODE IN5392BP	1	RD401
			4	MD271-274

149	107-0006-000	DIODE IN4148			MD201-4,121,275,276,111,207,208,HD1,2	
150	107-0007-000	ZENER DIODE 5V1 1/2W			29:RD402,403;UD302-306, 308-311, 314,315,319,320,10,UJ327	
151	107-0009-000	ZENER DIODE 6V2 1/2W			2 MZD101;CZD601	
152	107-0010-000	ZENER DIODE 12V 1/2W			2 MZD203;CZD1	
153	107-0103-000	TUNING DIODE ISV101			1 MZD204	
154	107-0104-000	TUNING DIODE ISV149			2 MD102,103	
		LAMP 9V 100mA A3091/5x20 (UL WIRE L=360mm) 5x10.5mm			2 MD107,110	
155	107-0305-000	LAMP RUBBER TUBE BLUE			2 LCD LAMP	
156	107-0306-000	LED LAMP 3mm RED/GREEN DUAL COLOR	3RG9HW		2 LCD LAMP RUBBER	
157	107-0304-000	CERAMIC TRIMMER 20PF CVN620 RED			1 UD301	
158	110-0044-500	CERAMIC TRIMMER 10PF CVN610 WHITE			2 MTC101,102,	
159	110-0045-500	AM COIL 80:25T (M3) 4-Wire L=100mm (10x80BAR)			2 MTC105, 106	
160	103-0035-103	CHOKO COIL 100uH (820142~101K)			1 AM ANT	
161	103-0047-103	CHOKO COIL 8mH (842365~820K)			2 UL301, CL1	
162	103-0042-103	FM COIL 4.5x2.5T (0.7)			2 ML101,109	
163	103-0065-103	FERRITE BAR 10x70mm(CHINA)			1 ML102	
164	103-0066-103	FERRITE CORE TR-25-15-12 25.5x12x15.1mm			1 ML101	
165	443-0009-000	FERRITE CORE C6 T12.7x7.9x6.35mm			1 (For CN110)	
166	443-0059-000	SEMI-FIX EVND8YA03B53 (5KB OHM)			1 (For TRANSFORMER)	
167	443-0051-000	SEMI-FIX EVND8AA03B15 (100KB OHM)			1 CVR1	
168	109-0038-400	SEMI-FIX 1KB OHM			3 CVR2,CVR3,4	
169	109-0036-400	PUSH SWITCH 2P2T PS22E08-L 2P2T W/LOCK			2 RVR1,2	
170	109-0045-400	SHORTING)			1 (HI-SPEED) USW312	
171	104-0021-000	SPEAKER PUSH TERMINAL 4 SECTION			1 RSW401	
172	104-0032-000	PTB-401(B-B/R-R)				
173	104-0044-000	RCA TERMINAL 2 SECTION JB222B-RW-N 5PIN			1 RCA	
174	104-0047-000	TACT SWITCH 5mm 160gF			15 USW301-11, SW401-404	
175	104-0055-000	TACT SWITCH (160gF) TSC-063803-150			1 CD RESET	
176	104-0056-000	JACK f 6.3mm STEREO EARPHONE HJH-9-0265			1 HPJ	
177	104-0091-000	CERAMIC RESONATOR 16.9344MHZ			1 CX1 (16.9344MHZ)	
178	107-0013-002					

179	107-0022-002	CRYSTAL 75KHZ (3x8mm)	1	UX301 (75KHZ)
180	107-0018-002	BAND PASS FILTER 88-108MHZ (GFMB3-T)	1	MCF105
181	107-0019-002	CERAMIC FILTER JT10.7MG3	1	MC104
182	107-0033-002	CERAMIC FILTER 10.7MA5-A	1	MCF103
183	107-0043-002	CERAMIC FILTER SFU450B	1	MCF106
184	107-0049-002	CERAMIC FILTER CRB455E(RIGHT ANGLE PIN)	1	HXI
185	105-0011-000	LCD DISPLAY 70x21.5x1.1mm #9842(31PIN)	1	LCD1
186	105-0102-000	REMOTE SENSOR HI-M602H/V MSE	1	UX302
187	105-0189-000	INFRAD DIODE HI-1503B MSE	1	
		DECK MECHANISM SF-36SW AUTOSTOP MOTOR MABUCHI EG-530YD-2BH(12V) 6 O'CLOCK HEAD KS-211, KS-220 ST E/HEAD TC-230AN	1	
188	105-0008-000			
189	106-0032-100	TRANSFORMER EI-48 AC230V VDE FM-483020SF BUILT IN BS6500 APPROVED CORD 6.5FT (CARRY ON); O/P L=180mm	1	TRANSFORMER
190	106-0005-101	VDE APPROVED CORD 6.5FT W/2.5A PLUG CO-001(END CUT FOR BUILT IN TRANSFORMER) COLOR BLACK	1	
191	105-0029-000	3CD PLAYER MECHANISM CMS-FR3 SAMSUNG	1	
192	108-0060-260	#26 1007 PVC WIRE L=60mm (WHITE)	2	CPU-PCB D-D, 12-PCB B+
193	108-0060-260	#26 1007 PVC WIRE L=60mm (BLACK)	1	12-PCB B-
194	108-0110-260	#26 1007 PVC WIRE L=110mm (RED)	1	CPU-PCB E-E
195	108-0120-260	#26 1007 PVC WIRE L=120mm (YELLOW)	1	12-PCB IN
196	108-0160-260	#26 1007 PVC WIRE L=160mm (GREEN)	2	LF SWITCH
197	108-0200-022	#22 1007 PVC WIRE L=200mm (BLACK)	1	AMP PCB to MAIN PCB (GND)
198	108-1500-022	#26 1007 PVC WIRE L=700mm (RED)	1	BATTERY +
199	108-1500-022	#26 1007 PVC WIRE L=700mm (BLACK)	1	BATTERY -
200	108-1500-022	#22 1007 PVC WIRE L=1500mm (BLACK)	1	FM ANT
201	109-0400-005	PITCH 2mm 5PIN FLAT CABLE #26 UL2877 L=450mm	1	HP-PCB SN721
202	109-0260-006	PITCH 2mm 6PIN FLAT CABLE #28 UL2651 L=260mm	1	KET-PCB SN407
203	109-0230-002	PITCH 2.54mm 2PIN DOUBLE HOUSING L=230mm COAXIAL CABLE AWM1365 #26 (E114082)	1	CNI03
204	109-0230-003	PITCH 2mm 3PIN SINGLE HOUSING DOUBLE SHIELD WIRE #28 UL2547 RE/GND/WH L=230mm	1	TAPE B HEAD CN419

205	109-0160-003	PITCH 2mm 3PIN SINGLE HOUSING #26 1007 PVC WIRE L=160mm BR/RE/OR	1	TAPE-PCBCN406
206	109-0160-005	PITCH 2mm 4PIN SINGLE HOUSING #26 1007 PVC WIRE & DOUBLE SHIELD WIRE #28 2547 L=160mm RE/GND/WH/BLACK	1	TAPE A HEAD CN418
207	109-0450-005	PITCH 2mm 5PIN SINGLE HOUSING & DOUBLE SHIELD WIRE#26 1007 PVC WIRE L=450mm BLACK/RE/(RED)/(GND)/(WHITE)	1	CN110
208	109-0320-006	PITCH 2mm 6PIN SINGLE HOUSING #28 1571 PVC WIRE L=320mm BR/RE/OR/YE/GR/BU	1	CD-PCB SN615
209	109-0500-007	PITCH 2mm 7PIN SINGLE HOUSING #26 1007 PVC WIRE , L=500mm BR/RE/OR/YE/GR/BU/PU	1	CD-PCB CN602
210	109-0130-008	PITCH 2mm 8PIN BOARD IN DOUBLE HOUSING #30 (GREY) 1571 PVC WIRE 60°C L=130mm BR/RE/OR/YE/GR/BU/PU/GR	1	CD-PCB SN611
211	109-0130-009	PITCH 2mm 8PIN BOARD IN DOUBLE HOUSING (WHITE) #28 20080 FLAT CABLE WIRE 80°C L=130mm	1	CD-PCB SN612
212	109-0320-008	PITCH 2mm 8PIN SINGLE HOUSING #26 1007 PVC WIRE , L=380mm BR/RE/OR/YE/GR/BU/PU/GR	1	CD-PCB CN604
213	109-0220-008	PITCH 2mm 8PIN BOARD IN SINGLE HOUSING #26 1007 PVC WIRE L=220mm BR/RE/OR/YE/GR/BU/PU/GR	1	TAPE-PCB SN417
214	109-0450-009	PITCH 2mm 9PIN SINGLE HOUSING #26 1007 PVC WIRE , L=480mm BR/RE/OR/YE/GR/BU/PU/GR/WH	1	MAIN-PCB CN105
215	109-0180-010	PITCH 2mm 10PIN SINGLE HOUSING #28 1571 PVC WIRE , L=180mm BR/RE/OR/YE/GR/BU/PU/GR/WH/BL	1	CD-PCB SN609
216	109-0230-011	PITCH 2mm 11PIN FLAT CABLE #26 UL2877 SINGLE HOUSING L=230mm	1	MAIN-PCB CN116
217	109-0430-011	PITCH 2mm 11PIN SINGLE HOUSING #26 1007 PVC WIRE , L=450mm BR/RE/OR/YE/GR/BU/PU/GR/WH/BL/RE	1	MAIN-PCB CN101
218	119-0002-251	WAFER PITCH 2.54mm 2PIN WAFER (1 TYPE)	2	CN103, CN303
219	119-0003-201	WAFER PITCH 2.0mm 3PIN WAFER (1 TYPE)	2	CN406, CN419
220	119-0004-201	WAFER PITCH 2.0mm 4PIN WAFER (1 TYPE)	1	CN418
221	119-0005-201	WAFER PITCH 2.0mm 5PIN WAFER (1 TYPE)	1	CN110
222	119-0007-201	WAFER PITCH 2.0mm 7PIN WAFER (1 TYPE)	1	CN602
223	119-0008-201	WAFER PITCH 2.0mm 8PIN WAFER (1 TYPE)	1	CN604
224	119-0009-201	WAFER PITCH 2.0mm 9PIN WAFER (1 TYPE)	1	CN105

225	119-0011-201	WAFER PITCH 2.0mm 11PIN WAFER (1 TYPE)	2	CNI01,116
226	105-0005-000	SPEAKER BOX 4 OHM 2W 4"ROUND SHAPE SPEAKER	2	
227	321-0008-320	MACHINE SCREW M2x8 BM	3	TAPE-PCB
228	321-0018-320	MACHINE SCREW M2.6x8 BM	2	AM BAR
229	321-0022-320	MACHINE SCREW M3x6 BM	3	TAPE-PCB
230	321-0038-320	MACHINE SCREW M3x10 PWM	2	SIDE BRACKET
231	321-0056-320	MACHINE SCREW M3x10 BM (BLACK)	4	3CD U SHAPE METAL BRACKET
232	321-0057-320	MACHINE SCREW M3x12 BM (BLACK)	6	MAIN UNIT BACK COVER MTG. PLATE
233	321-0032-320	TAPPING SCREW 2.6x8 BWH	2	KEY-PCB
234	321-0023-320	TAPPING SCREW 2.3x10 BWA	2	HP-PCB
235	321-0025-320	TAPPING SCREW 2.6x8 BH	11	KEY-PCB x1,KEY-PCB BRACKETx2,CPU-PCBx8
236	321-0035-320	TAPPING SCREW 3x8 PA	2	CD/KEY-PCB BRACKET
237	321-0063-320	TAPPING SCREW 2x8 BA (BLACK)	1	REMOTE
238	321-0037-320	TAPPING SCREW 3x6 BH	4	MAIN PCB MTG.PLATE / SIDE BRACKET
239	321-0039-320	TAPPING SCREW 3x8 BH	10	DECKx6,7808 HEATSINKx4
240	321-0052-320	TAPPING SCREW 3x8 BWH	1	DAMPING GEAR
241	321-0050-320	TAPPING SCREW 3x10 BA	2	SIDE BRACKET
242	321-0055-320	TAPPING SCREW 3x10 BA (BLACK)	3	PANEL FRONT / COVER
243	321-0046-320	TAPPING SCREW 3x10 BH	6	CD / SIDE BRACKETx2,CD-PCBx4
244	321-0041-320	TAPPING SCREW 3x10 BH (BLACK)		SPEAKER JACK x2,RCA x1, SIDE BRACKET / MAIN
245	321-0048-320	TAPPING SCREW 3x10 KH	11	BOTTOM PLATE x4, SIDE BRACKET / PANELCOVER x4
246	321-0049-320	TAPPING SCREW 3x10 BWH	2	3CD U SHAPE METAL BRACKET
247	321-0026-320	TAPPING SCREW 3x12 BWH	1	AC CORD
248	321-0028-320	TAPPING SCREW 3x14 BH (BLACK)	2	TRANSFORMER
249	321-0022-322	M2.6 METAL NUT	2	COVER TOP / KEY-PCB BRACKETx2
250	321-0022-323	VDE/SEMKO APPROVED FUSE 5x20mm T1.6A 250V SLOW BLOW	2	AM BAR
251	321-0022-324	FUSE HOLDER (05-003(N))	4	
252	321-0022-325	FIBRE WASHER 3x8x0.8mm	4	CD PCB SHIELDING PAPER
253	321-0022-326	FIBRE WASHER 3x14x0.8mm	3	AC CORDx1, 3CD U SHAPE METAL BRACKETx2
254	321-0022-327	TEST PIN(10-10-04B)	2	FM ANT (MAIN-PCB)
255	321-0022-328	SOLDING LUG f3mmx10mm	2	CD-PCB----GND

256	321-0022-329	SOLDING LUG f3mmx38mm	4	SIDE BRACKET
257	321-0022-330	COPPER WIRE 0.5 L=50mm	72	JUMP WIRE
258	321-0022-331	EYELET 2x4mm	11	MAIN-PCBX8, AMP=PCBX3 (AC)
259	321-0022-332	EYELET 2x7mm	4	IN5401
260	322-0001-001	PCB MOUNTING BRACKET- RIGHT (417-030)	2	MAIN PCB MTG.PLATE
261	322-0001-002	3CD U SHAPE METAL BRACKET	1	3CD DECK METAL BRACKET
262	322-0001-004	FRONT PANEL METAL BRACKET	1	
263	322-0001-005	MAIN UNIT BACK COVER MTG. PLATE	6	
264	322-0001-006	TAPE PCB MGT. BRASS POST f5X16mm-	3	TAPE-PCB
265	322-0001-007	CASS DOOR SPRING f0.8mmT	2	
266	322-0001-008	HEATSINK-IC 7808 (C302)	1	7808 (C302A)
267	322-0001-009	HEATSINK-IC 7808 3mmx45mm	1	7808(H=45mm)
268	322-0001-010	HEATSINK-IC 8227 (417)	1	
269	322-0001-011	REMOTE BATTERY SPRING + (C302A)	2	REMOTE, BACKUP BATTERY
270	322-0001-012	REMOTE BATTERY SPRING - (C302A)	2	REMOTE, BACKUP BATTERY
271	322-0001-013	REMOTE BATTERY SPRING -/+ (C302A)	2	REMOTE, BACKUP BATTERY
272	322-0001-014	POLYFOAM UNIT (L/R)	1	MAIN UNIT
273	322-0001-015	POLYFOAM SPEAKER (TOP/BOTTOM)	1	SPEAKER BOX
274	322-0001-016	CARTON BOX W/ BRAND	1	
275	322-0001-017	INSTRUCTION SHEET	1	
276	322-0001-018	W/RECYCLE MARK HD-PE02 W/WARNING MARK / SAFETY HOLES	1	MAIN UNIT
277	322-0001-019	POLYBAG W/RECYCLE MARK (SPEAKER) W/RECYCLE MARK HD-PE02 W/WARNING MARK / SAFETY HOLES	2	SPEAKER BOX
278	322-0001-020	POLYBAG 3.1/2"x11.3/4" (90x300mm) (3.1/2 "-OPEN) W/RECYCLE MARK HD-PE02	1	AC CORD
279	322-0001-021	POLYBAG 2.3/4"x9.3/4" (70x250mm) (2.3/4 "-OPEN) W/RECYCLE MARK HD-PE02	1	REMOTE
280	322-0001-022	RATING LABEL 69x34mm (AC230V) W/SOUNDWAVE BRAND	1	
281	322-0001-023	SERIAL NUMBER LABEL	2	
282	322-0001-024	THERMAL FUSE FITTED LABEL	1	
283	322-0001-025	EUROPE LABEL	1	
284	322-0001-026	SPEAKER IMPEDANCE LABEL 3.2 OHM	1	

285	322-0001-027	SPEAKER BOX IMPEDANCE LABEL 3.2 OHM W/SOUNDWAVE BRAND	2	
286	322-0001-028	REMOTE FUNCTION LUXAN PLATE AMI-102M	1	
287	322-0001-029	LCD PVC PLATE 1mm MILKY COLOUR (9CD0908300)	1	
288	105-0332-000	CONDUCTIVE RUBBER 32KEYS DARK GRAY (SAME AS C302)	1	REMOTE
289	105-0687-000	SHIELDING PAPER SIZE 190x125mm W/0.3mm THICK	1	CD-PCB
290	322-0001-030	DAMPING GEAR W/BRAKCT AND GREASE	1	OIL
291	322-0001-031	CABLE TIE 3"	6	
292	322-0001-032	SPONGE: 10x10x10mm	3	FM COIL
293	322-0001-033	RUBBER FOOT f20x4.2mm (BLACK) W/DOUBLE SIDE TAPE0	2	MAIN UNIT
294	322-0001-034	RUBBER PAD 10x10x9mm W/DOUBLE SIDE TAPE	1	
295	322-0001-035	BAR CLAMP (0.8mm FABRE SHEET) SAME AS 3001	1	AM BAR
296	322-0001-036	BATTERY "AA" SIZE 1.5V MURCURY FREE GR6M	4	REMOTE, BACKUP BATTERY
297	261-0006-001	PANEL FRONT (ON/OFF)	1	
298	261-0006-002	COVER BACK (W/BATTERY COMPARTMENT)	1	
299	261-0006-003	COVER TOP	1	
300	261-0006-004	COVER SIDE	2	
301	261-0006-005	DOOR CD	1	
302	261-0006-006	MAIN BOTTOM PLATE	1	
303	261-0006-007	SIDE BRACKET	2	
304	261-0006-008	REMOTE FRONT CABINET	1	
305	261-0006-009	REMOTE BACK CABINET	1	
306	261-0006-010	REMOTE BATTERY DOOR	1	
307	261-0006-011	CASS DOOR A	1	
308	261-0006-012	CASS DOOR B	1	
309	261-0006-013	KNOB CD PLAY/OPEN	1	
310	261-0006-014	KNOB POWER	1	
311	261-0006-015	KNOB SPEED	1	
312	261-0006-016	KNOB PRESET A	1	
313	261-0006-017	KNOB PRESET B	1	
314	261-0006-018	KNOB VOLUME	1	
315	261-0006-019	KNOB FUNCTION	1	
316	261-0006-020	CASS KNOB	11	

317	261-0006-02A	CASS KNOB PLAY A	1	
318	261-0006-02B	CASS KNOB PLAY B	1	
319	261-0006-021	COVER LCD	1	
320	261-0006-022	WINDOW FRONT(SOUNDWAVE BRAND)	1	
321	261-0006-023	WINDOW TOP	1	
322	261-0006-024	WINDOW LCD	1	
323	261-0006-025	WINDOW DOOR A	1	
324	261-0006-026	WINDOW DOOR B	1	
325	261-0006-027	BATTERY DOOR	1	