

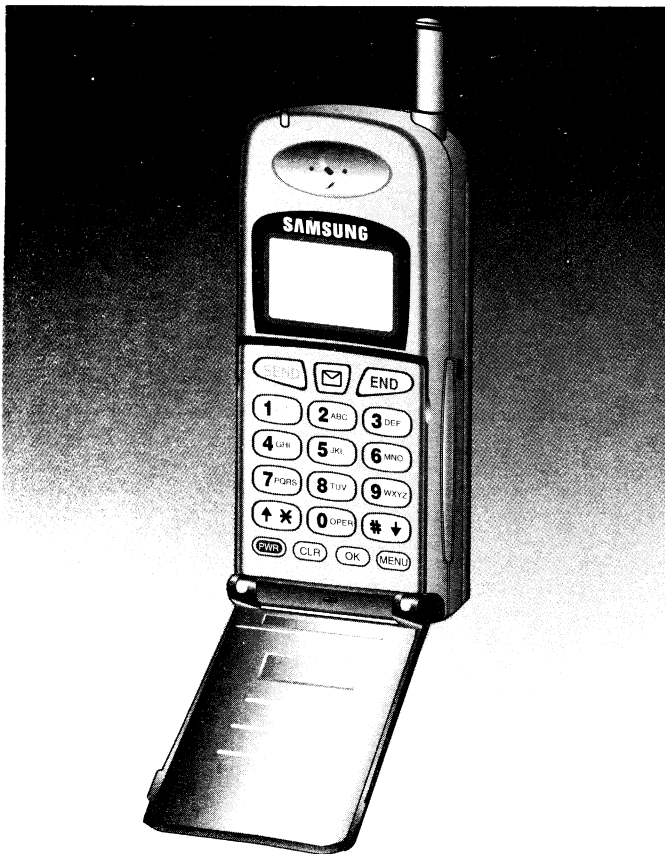
SAMSUNG

CDMA CELLULAR TELEPHONE SCH-410/411

SECRET

SERVICE *Manual*

PORTABLE CELLULAR TELEPHONE

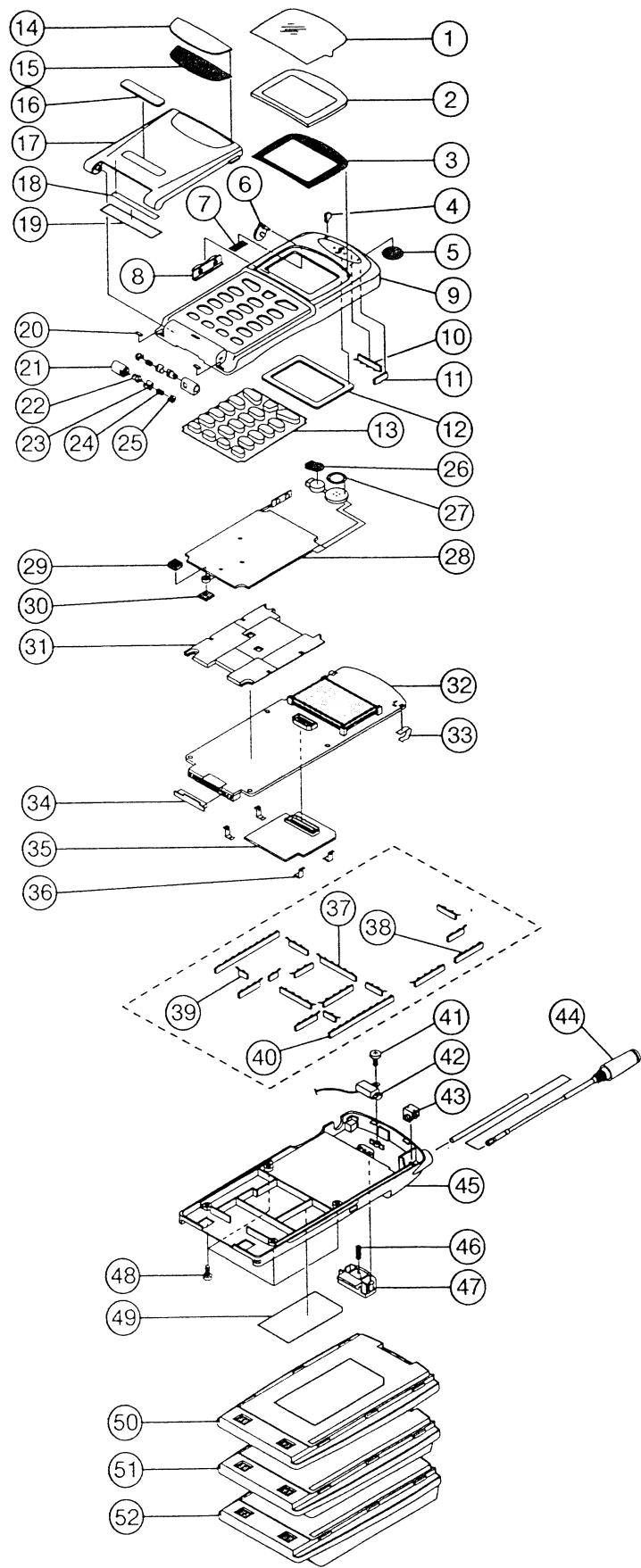


CONTENTS

1. General Introduction
2. Specification
3. Installation
4. Nam Programming
5. Product Support Tools
6. Trouble Shooting
7. Exploded Views and Parts List
8. Electrical Parts List
9. PCB Diagrams
10. Block & Circuit Diagrams

SAMSUNG Proprietary - Contents may change without notice

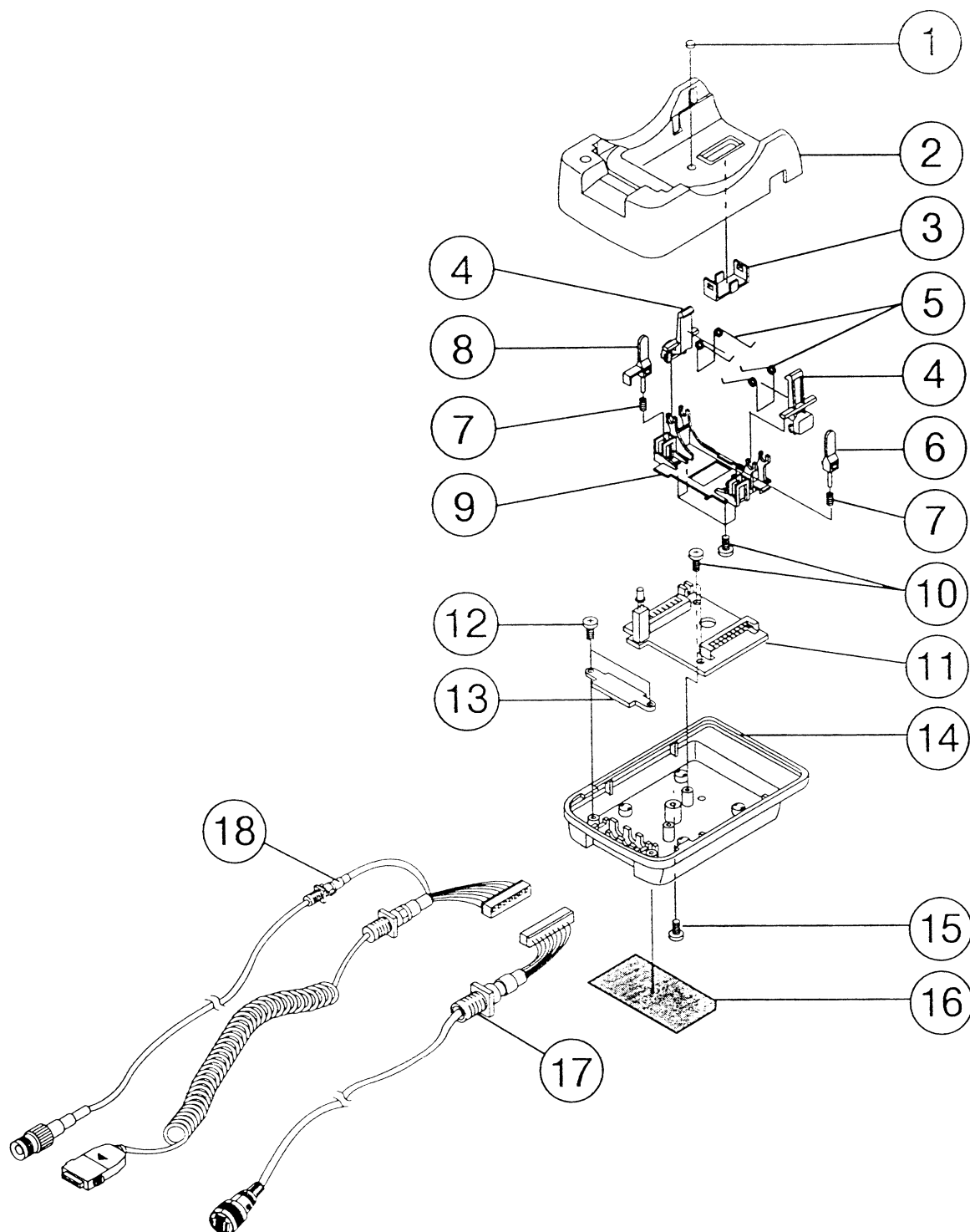
7-1 Cellular Phone Exploded View



7-10 Hands-Free Kit 2 Parts List

NO	DESCRIPTION	SEC. CODE	Q'TY	REMARK
1	HOUSING, UPPER		1	
2	LOGO		1	
3	FELT, SPEAKER, H/F		1	
4	AUDIO SPEAKER, C/D		1	
5	TAPTITE, B, BH, +M3, L6		4	
6	PBA		1	
7	HOUSING, LOWER		1	
8	TAPTITE, B, BH, +M3, L12		4	
9	LABEL, ID, HFK		1	

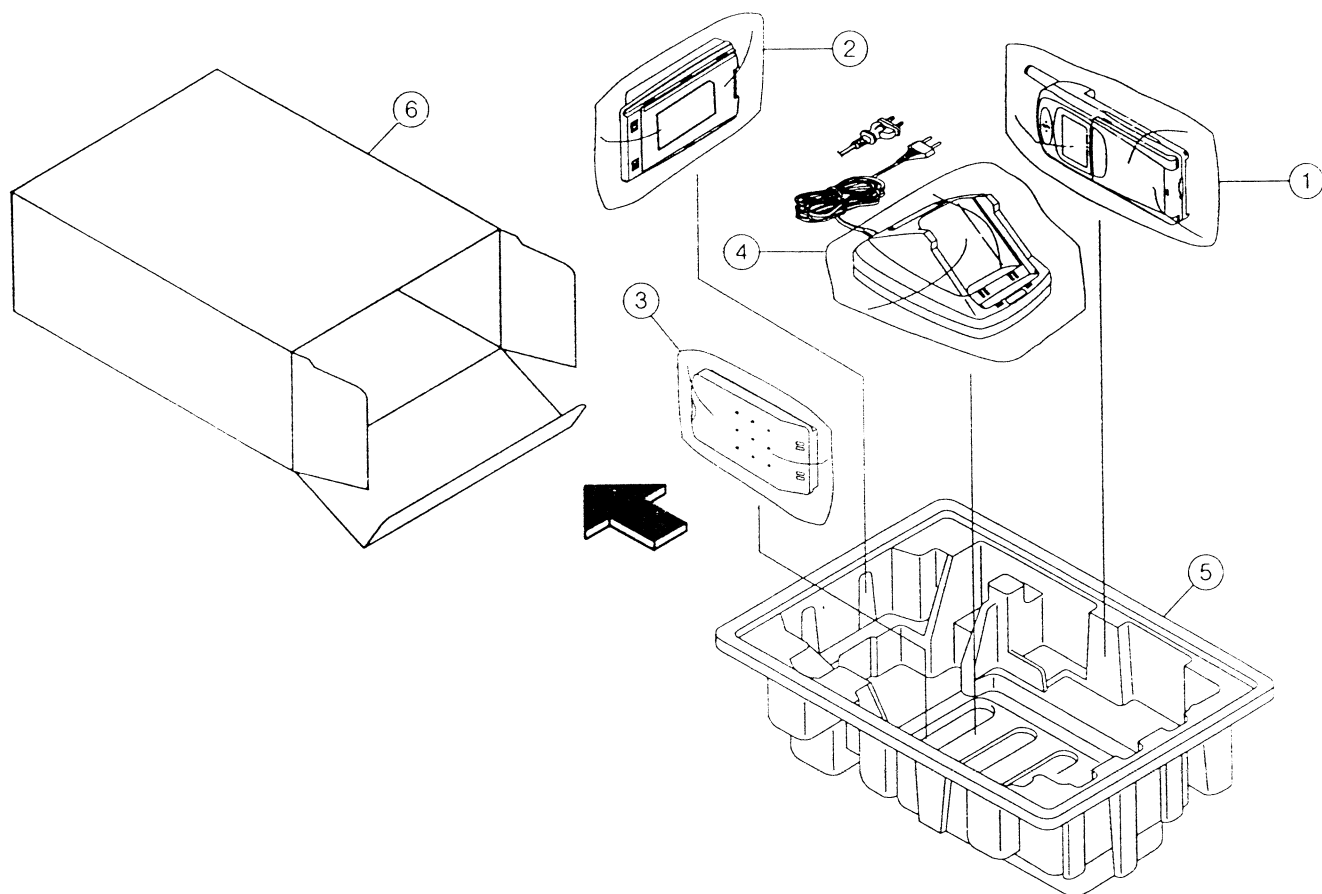
7-11 Cradle Exploded View



7-12 Cradle Parts List

NO	DESCRIPTION	SEC. CODE	Q'TY	REMARK
1	GATE-SHEET		1	
2	HOUSING, UPPER		1	
3	SOCKET, PLATE		1	
4	LOCKER		2	
5	SPRING, TORTON		2	
6	EJECTOR-A		1	
7	SPRING, EJECTOR		2	
8	EJECTOR-B		1	
9	FLAME		1	
10	TAPTITE, B, BH, +, M2.6, L6, C BLK		6	
11	PBA, CRADLE		1	
12	TAPTITE, B, BH, +, M2, L6, C BLK		1	
13	HOLDER, CRADLE		1	
14	HOUSING, LOWER		1	
15	MAS. B, BH, +, M3, L8		1	
16	LABEL, ID		1	
17	DATA CABLE		1	
18	CURL CORD		1	

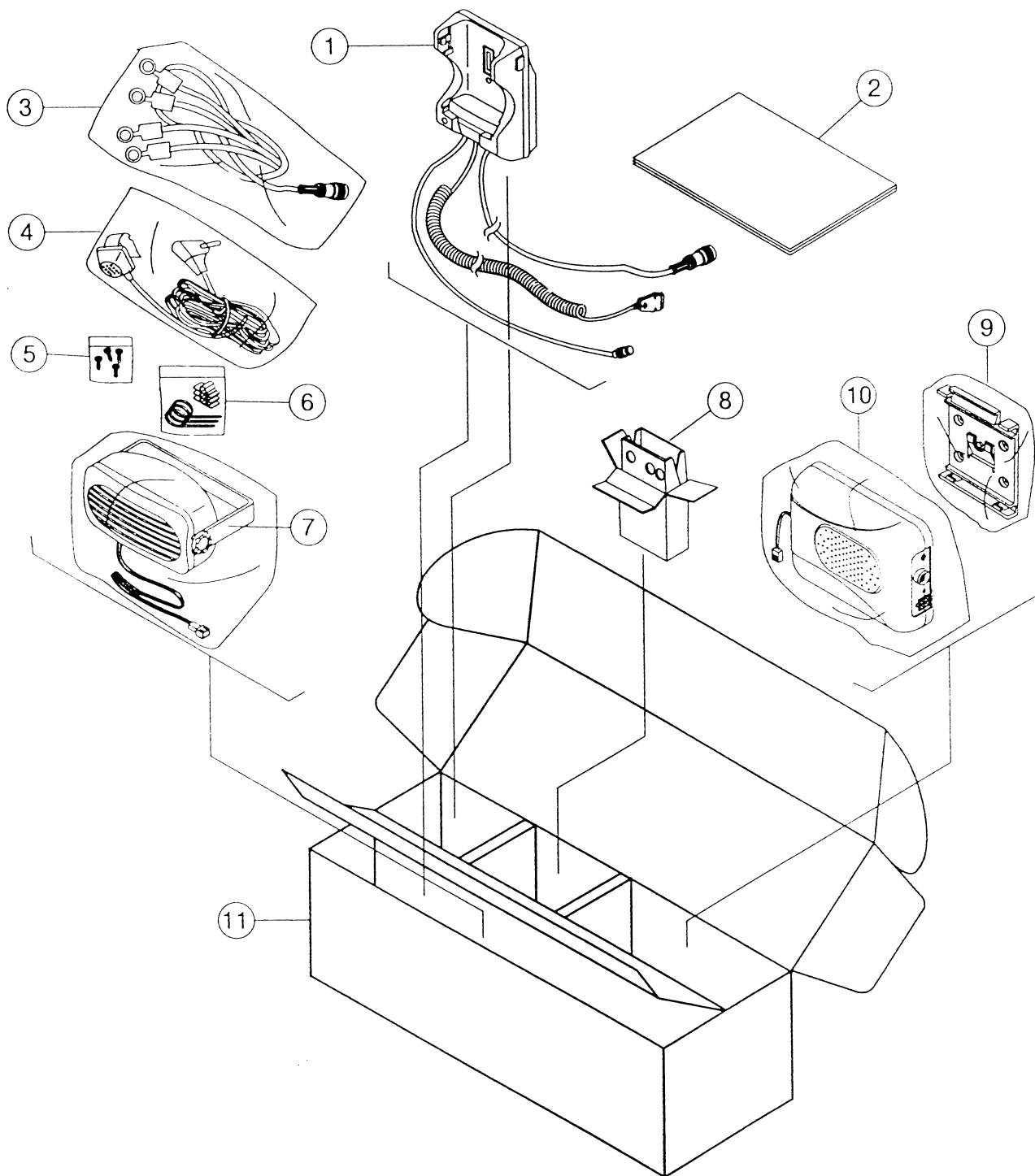
7-13 Main Packing Layout



7-14 Main Packing Parts List

NO	DESCRIPTION	SEC. CODE	Q'TY	REMARK
1	MAIN HANDSET	GH68-00045A	1	
2	EXT BATT-PACK	GH43-10320A	1	
3	STD BATT-PACK	GH43-10321A	1	
4	DTC	GH44-40091A	1	
5	CUSHION-CASE	GH69-20760A	1	
6	GIFT-BOX	GH69-11245A	1	

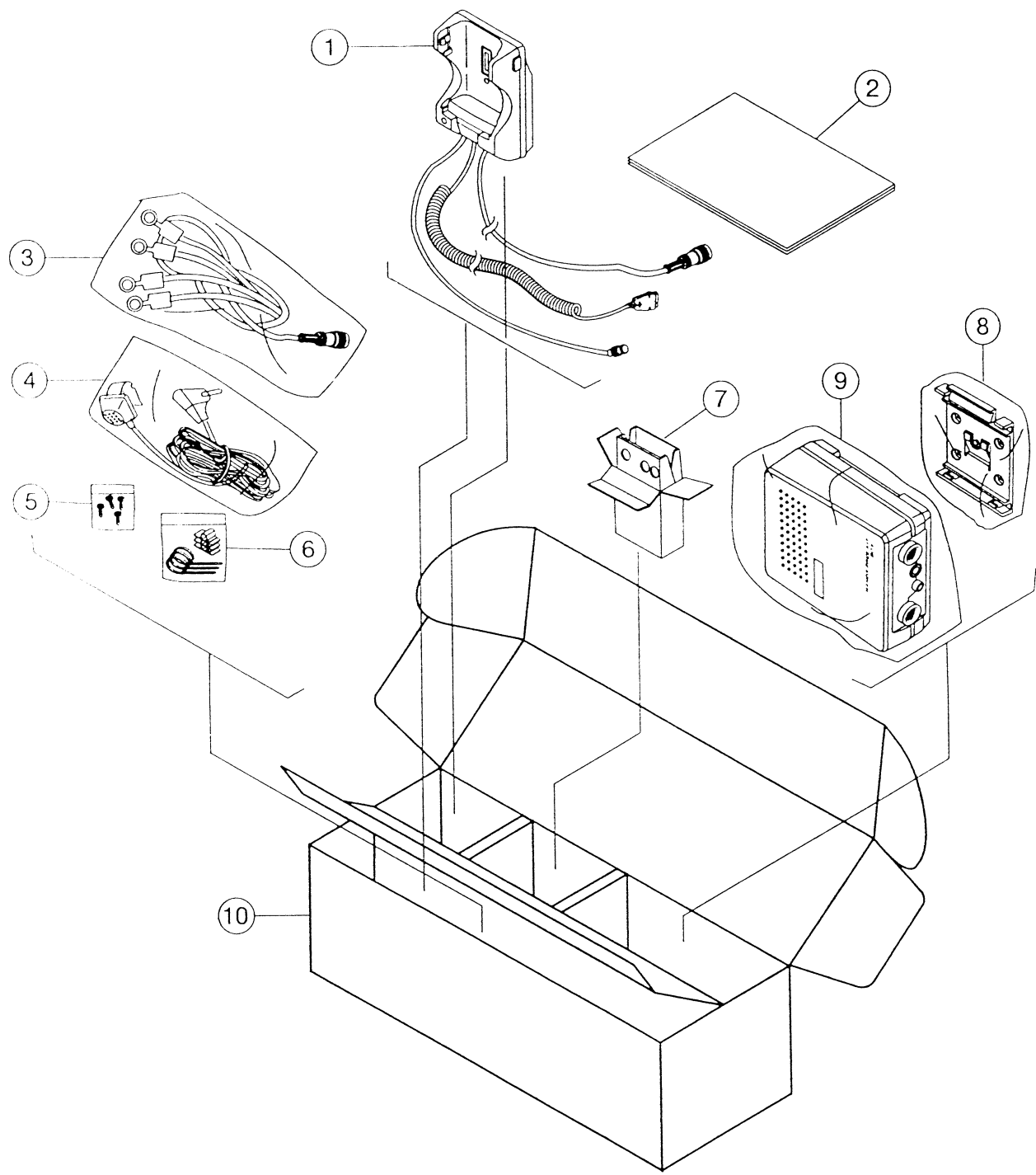
7-15 Hands-Free Kit 1 Packing Layout



7-16 Hands-Free Kit 1 Packing Parts List

NO	DESCRIPTION	SEC. CODE	Q'TY	REMARK
1	CRADLE		1	
2	USER'S MANUAL		1	
3	POWER CABLE		1	
4	EXTERNAL MIC		1	
5	SCREW FOR INSTALLATION		1	
6	CABLE TIE		1	
7	EXTERNAL SPEAKER		1	
8	INSTALL BRACKET FOR CRADLE		1	
9	INSTALL BRACKET FOR HANDS-FREE BOX		1	
10	HANDS-FREE BOX		1	
11	UNIT BOX		1	

7-17 Hands-Free Kit 2 Packing Layout



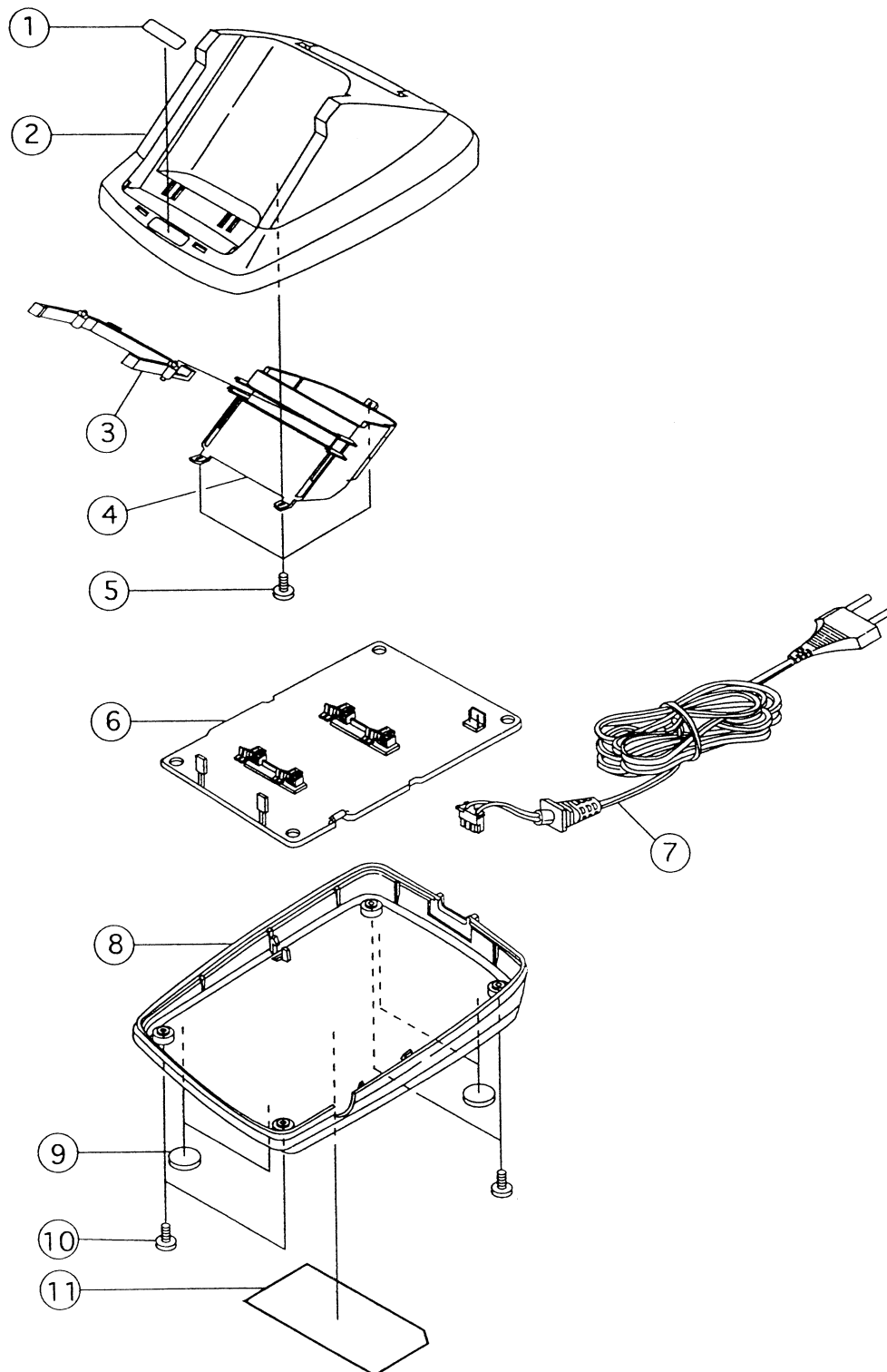
7-18 Hands-Free Kit 2 Packing Parts List

NO	DESCRIPTION	SEC. CODE	Q'TY	REMARK
1	CRADLE		1	
2	USER'S MANUAL		1	
3	POWER CABLE		1	
4	EXTERNAL MIC		1	
5	SCREW FOR INSTALLATION		1	
6	CABLE TIE		1	
7	INSTALL BRACKET FOR CRADLE		1	
8	INSTALL BRACKET FOR HANDS-FREE BOX		1	
9	HANDS-FREE BOX		1	
10	UNIT BOX		1	

7-2 Cellular Phone Parts List

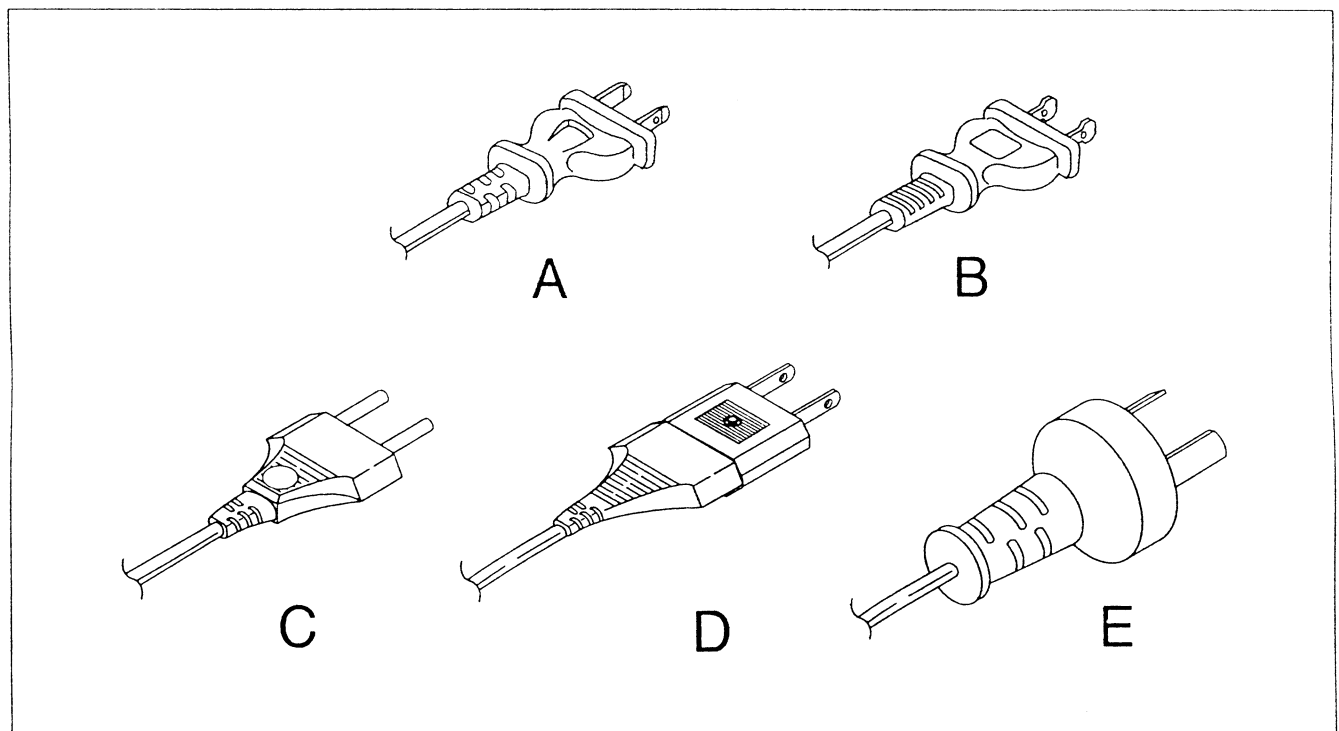
NO	DESCRIPTION	SEC. CODE	Q'TY	REMARK
1	TAPE WINDOW-BOHO	GH72-10529A	2	
2	WINDOW-LCD	GH73-40679A	1	
3	TAPE-WINDOW	GH74-10686A	1	
4	REFLECTOR-LED	GH72-41598A	1	
5	CLOTH-POLYESTER	0107-001004	1	
6	EARPHONE-COVER	GH72-41602A	1	
7	CLOTH-BUZZER	GH72-10503A	1	
8	VOLUME-KEY	GH73-40718A	1	
9	FRONT-CASE	GH72-41597A	1	
10	SHIELD-STRIP(E)	GH71-10651A	2	
11	SHIELD-STRIP(B)	GH71-10640A	6	
12	SPONGE-LCD	GH74-10685A	1	
13	KEY-PAD	GH73-40680A	1	
14	FLIP-DUMMY	GH72-30018A	1	
15	TAPE-DUMMY	GH74-10687A	1	
16	BADGE-LOGO		1	
17	FLIP-COVER	GH72-41599A	1	
18	MAGNETIC	3302-001110	1	
19	LABEL-FLIP	GH68-31000A	1	
20	RUBBER-SUPPORT		1	
21	HINGE-HOUSING	GH72-41293A	2	
22	HINGE-SHAFT	GH72-41554A	2	
23	HINGE-CAM	GH72-41055A	2	
24	HINGE-SPRING	GH70-10608A	2	
25	HINGE-CAP	GH72-41056A	2	
26	HOLDER-BUZZER	GH73-40678A	1	
27	TAPE-SPEAKER	GH74-10571A	1	
28	KEY-PCB		1	
29	HOLDER-MIC	GH73-40618A	1	
30	SPONGE-MIC	GH74-10526A	1	
31	SHIELD-COVER	GH72-41603A	1	
32	MAIN-PCB		1	
33	CONTACT-ANTENNA	GH71-10627A	1	
34	COVER-CONNECTOR	GH73-40681A	1	
35	MEMORY-PCB		1	
36	HOLDER-PLATE	GH71-10718A	4	
37	SHIELD-STRIP(D)	GH71-10643A	3	
38	SHIELD-STRIP(C)	GH71-10641A	3	
39	SHIELD-STRIP(A)	GH71-10639A	3	
40	SHIELD-STRIP	GH71-10644A	2	
41	TAPTITE, PH, M2.6, L4	6003-000366	1	
42	MOTOR		1	
43	ANTENNA-BRACKET	GH71-30505A	1	
44	ANTENNA		1	
45	REAR-CASE	GH72-41600A	1	
46	SPRING-LOCKER	GH70-10516A	1	
47	LOCKER-MAIN	GH72-41601A	1	
48	MACHINE, BH, M2, L6, STAR	6001-001046	4	
49	LABEL-MAIN	GH68-31119A	1	
50	STANDARD BATT PACK		1	
51	EXTENDED BATT PACK		1	
52	LONG LIFE BATT PACK		1	

7-3 Desk-Top Rapid Charger Exploded



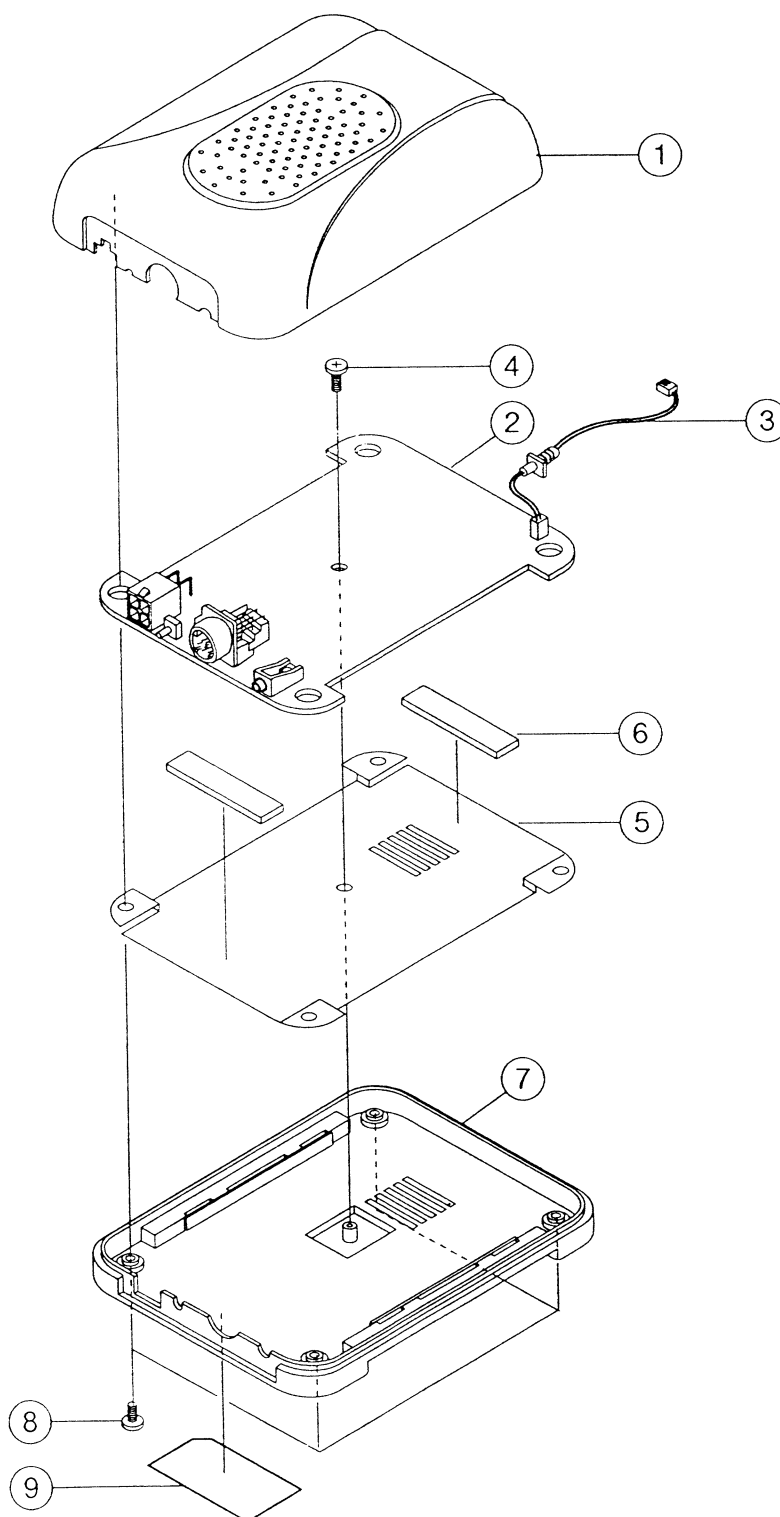
7-4 Desk-Top Rapid Charger Parts List

NO	DESCRIPTION	SEC. CODE	Q'TY	REMARK
1	LOGO, SHEET		1	
2	CASE, TOP		1	
3	LOCKER		1	
4	BATT, HOUSING		1	
5	VH, M3, L8, BLK		3	
6	PCB		1	
7	ASSY		1	
8	CASE, BOTTOM		1	
9	BUMPON		4	
10	VH, M2.6, L12, BLK		4	
11	LABEL, ID		1	

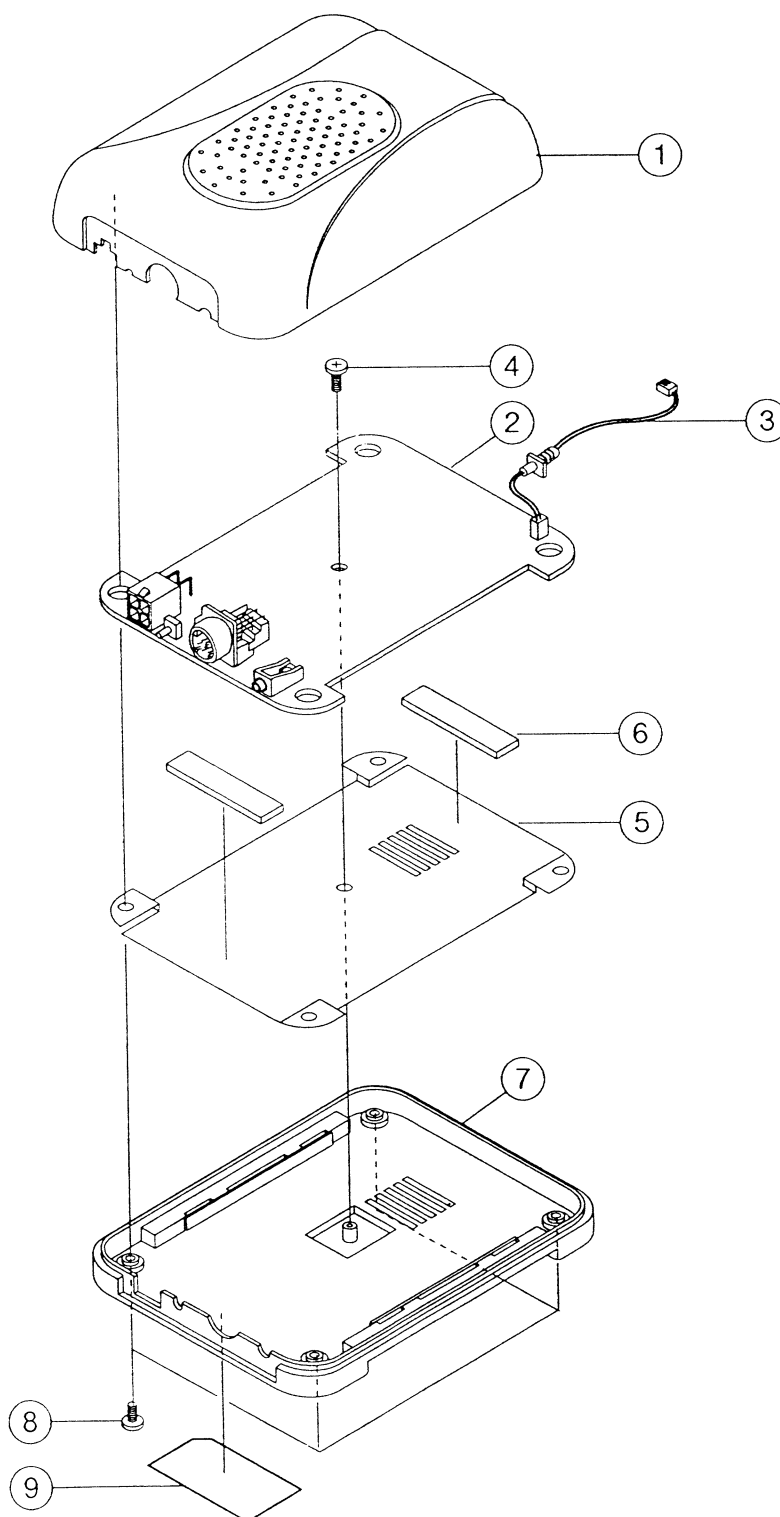


TYPE	SEC. CODE	REMARK
A	GH44-40091D	CHANA
B		U.S.A
C	GH44-40091A	ISRAEL
D	GH44-40091C	BRAZIL
E		ARGENTINA

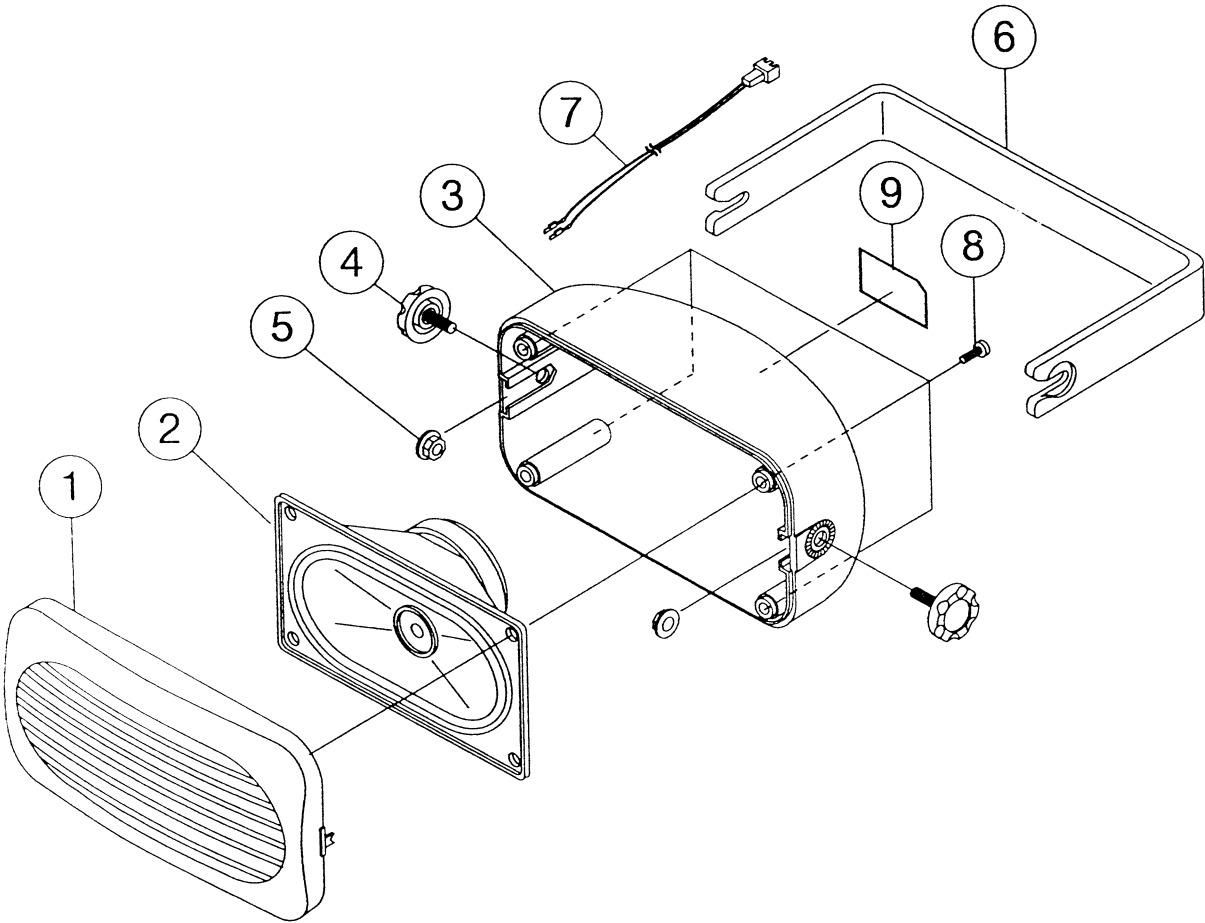
7-5 Hands-Free Kit 1 Exploded View



7-5 Hands-Free Kit 1 Exploded View



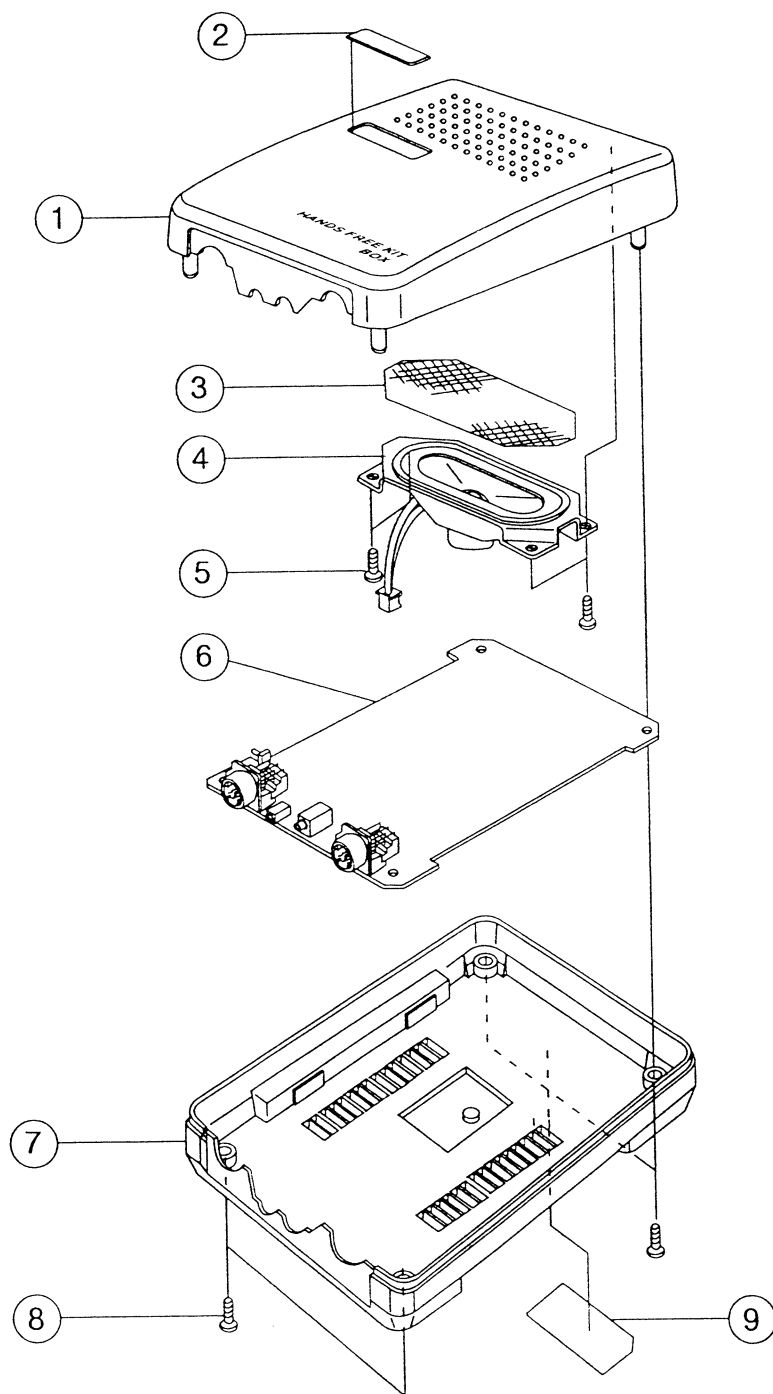
7-7 Speaker Exploded View



7-8 Speaker Parts List

NO	DESCRIPTION	SEC. CODE	Q'TY	REMARK
1	CASE, FRONT		1	
2	SPEAKER		1	
3	CASE, REAR		1	
4	BOLT		1	
5	HEX. NUT		1	
6	HANDLE		1	
7	SPEAKER WIRE		1	
8	SCREW		1	
9	LABEL		1	

7-9 Hands-Free Kit 2 Exploded View



8. Electrical Parts List

8-1 Main Parts List

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
1	MEMORY PBA	PBA MAIN-MEMORY(411)	SCH-410,SAMSUNG,USA,-,-,-	GH92-01141A
2	J200	CONNECTOR-SOCKET	50P,2R,0.5mm,SMD-S,AU	3710-001347
2	RM190	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	2007-000070
2	QM100	TR-SMALL SIGNAL	MMBT2222A,NPN,225mW,SOT-23,TP,	0501-000457
2	UM200	IC-FLASH MEMORY	29LV800,1Mx8BIT,SOP,48P,724MIL	1107-001033
2	UM100	IC-ETC. MEMORY	1306,524Kx16BIT,SOP,48P,400MIL	1109-001081
2	RM100	R-CHIP	10Kohm,5%,1/16W,DA,TP,1608	2007-000090
2	RM101	R-CHIP	10Kohm,5%,1/16W,DA,TP,1608	2007-000090
2	RM102	R-CHIP	10Kohm,5%,1/16W,DA,TP,1608	2007-000090
2	PCB	PCB-MEMORY	SCH-410,FR-4,4L,0.6t,35X27MIN	GH41-10628A
2	-	NPR-HOLDER PLATE NEW	SCH-2000,C5210S,T0.15,SN	GH71-10718A
2	CM100	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	MEMORY BOARD	NPR-EMI GASKET	SCH-210,Ni,T2.0,SKC DN 12	GH71-10712A
1	MAIN PBA	PBA MAIN-MAIN(411)	SCH-410,SAMSUNG,USA,-,-,-	GH92-01142A
2	U473	IC-ANALOG SWITCH	TC4S66FTE85R,CMOS,SOP,5P,-,SIN	1001-000133
2	U440	IC-ANALOG MULTIPLEX	BU4051BCFV,CMOS,SOP,16P,173MIL	1001-001019
2	U160	IC-EEPROM	24C128,16Kx8BIT,SOP,8P,150MIL,	1103-001090
2	U474	IC-OP AMP	7101,SOT-23,5P,-,SINGLE,-,PLAS	1201-001006
2	U303	IC-AGC AMP	5500,SOP,16P,193MIL,DUAL,45dB,	1201-001075
2	U453	IC-POWER AMP	23124,LCC,8P,-,SINGLE,-,PLASTI	1201-001259
2	U470	IC-VOLTAGE REGULATOR	5205,SOT-23,5P,59MIL,PLASTIC,3	1203-001256
2	U471	IC-VOLTAGE REGULATOR	5205,SOT-23,5P,59MIL,PLASTIC,3	1203-001256
2	U110	IC-VOLTAGE REGULATOR	7333,SOP,8P,-,PLASTIC,3.23/3.3	1203-001335
2	U100	IC-PWM CONTROLLER	9160,SOP,16P,-,PLASTIC,1.455/1	1203-001396
2	U450	IC-MODULATOR	UPC8106T,SOT-23,6P,59MIL,PLASTIC	1204-001013
			6V,280MW,-40TO+85C,TP,-	
2	U10	IC-ENCODER/DECODER	ST5092TQFPTR,QFP,44P,-,PLASTIC	1204-001375
2	U200	IC-DATA COMM./GEN.	Q5272I-1S2,QFP,176P,-,PLASTIC,	1205-001383
2	U305	IC-SYNTHESIZER	LMX2332LTMX,SOP,20P,173MIL,PLA	1209-001114
2	TH1	THERMISTOR-NTC	10Kohm,5%,3650K,-,TP	1404-001040
2	R79	R-CHIP	100Kohm,1%,1/16W,DA,TP,1608	2007-000060
2	R28	R-CHIP	2Kohm,5%,1/16W,DA,TP,1005	2007-000137
2	R327	R-CHIP	2Kohm,5%,1/16W,DA,TP,1005	2007-000137
2	R482	R-CHIP	2Kohm,5%,1/16W,DA,TP,1005	2007-000137
2	R226	R-CHIP	100ohm,5%,1/16W,DA,TP,1005	2007-000138

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	L310	INDUCTOR-SMD	820nH,10%,2.92x2.79x2.29mm	2703-000246
2	L110	INDUCTOR-SMD	1uH,10%,0.8x1.6x0.8mm	2703-000300
2	L458	INDUCTOR-SMD	1uH,10%,0.8x1.6x0.8mm	2703-000300
2	L470	INDUCTOR-SMD	1uH,10%,0.8x1.6x0.8mm	2703-000300
2	L473	INDUCTOR-SMD	1uH,10%,0.8x1.6x0.8mm	2703-000300
2	L401	INDUCTOR-SMD	27nH,10%,2.29x1.73x1.52mm	2703-000304
2	L317	INDUCTOR-SMD	180nH,5%,2.29x1.73x1.52mm	2703-001043
2	L309	INDUCTOR-SMD	5.6nH,10%,1.6x0.8x0.8mm	2703-001166
2	L325	INDUCTOR-SMD	8.2nH,10%,1.6x0.8x0.8mm	2703-001167
2	L330	INDUCTOR-SMD	100nH,5%,1.6x0.8x0.8mm	2703-001172
2	L451	INDUCTOR-SMD	100nH,5%,1.6x0.8x0.8mm	2703-001172
2	L302	INDUCTOR-SMD	10nH,5%,1x0.5x0.5mm	2703-001179
2	L304	INDUCTOR-SMD	10nH,5%,1x0.5x0.5mm	2703-001179
2	L306	INDUCTOR-SMD	10nH,5%,1x0.5x0.5mm	2703-001179
2	L323	INDUCTOR-SMD	4.7nH,10%,1x0.5x0.5mm	2703-001263
2	L452	INDUCTOR-SMD	27nH,10%,1.6x0.8x0.8mm	2703-001413
2	L454	INDUCTOR-SMD	27nH,10%,1.6x0.8x0.8mm	2703-001413
2	L456	INDUCTOR-SMD	27nH,10%,1.6x0.8x0.8mm	2703-001413
2	L100	INDUCTOR-SMD	10uH,20%,4.45x6.6x2.92mm	2703-001563
2	X150	RESONATOR-CERAMIC	27MHz,0.5%,TP,3.7x3.1x1.6	2802-001048
2	X200	RESONATOR-CERAMIC	27MHz,0.5%,TP,3.7x3.1x1.6	2802-001048
2	U304	OSCILLATOR-VCO	954MHz,-,-,TP,3.3V,6.4mA	2806-001146
2	F302	FILTER-SAW	881.5MHz,25MHz,-,REEL,869-894M	2904-001011
2	F301	FILTER-DUPLEXER	881.5MHz,836.5MHz,3.7/2.8dB,TR	2909-001004
2	L105	CORE-FERRITE BEAD	AB,2.0x1.25x0.9mm,-,-	3301-001120
2	L405	CORE-FERRITE BEAD	AB,2.0x1.25x0.9mm,-,-	3301-001120
2	J150	CONNECTOR-SOCKET	2P,1R,1.27mm,SMD-S,AU	3710-001105
2	J106	CONNECTOR-SOCKET	24P,2R,0.8mm,SMD,SN	3710-001117
2	J302	CONNECTOR-SOCKET	18P,1R,0.5mm,SMD-A,AUF	3710-001302
2	J200	CONNECTOR-HEADER	BOX,50P,2R,0.5mm,SMD-S,AU	3711-003939
2	J10	JACK-AC POWER	2P,2.6PI,AU,BLK,NO	3722-001172
2	U308	RF POWER SPLITTER	2,955-979MHZ,12DB,-,TP	4709-001140
2	U307	IC-VOLTAGE REGULATOR	5205,SOP,5P,-,PLASTIC,2.5/16,0	1203-001107
2	U306	OSCILLATOR-VCTCXO	19.68MHz,2ppm,-,TP,3V,2mA	2809-001216
2	U302	IC-MIXER	RF2456,SSOP,16P,150MIL,PLASTIC	1205-001550
2	U301	IC-RF AMP	RF2442,SOP,8P,120MIL,SINGLE,11	1201-001313
2	C312	C-CERAMIC,CHIP	1pF,0.25pF,50V,NPO,TP,1005,-	2203-000466
2	R321	R-CHIP	13ohm,5%,1/16W,DA,TP,1005	2007-003003
2	R320	R-CHIP	3.3OHM,5%,1/16W,DA,TP,1005	2007-007197
2	D70	DIODE-SWITCHING	MCL4148,100V,200mA,LL-34,TP	0401-001052

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	D72	DIODE-SWITCHING	MCL4148,100V,200mA,LL-34,TP	0401-001052
2	D100	DIODE-SCHOTTKY	RB160L-40,40V,1A,PSM,TP	0404-000115
2	D470	DIODE-SCHOTTKY	1SS315,5V,30mA,USC,TP	0404-000161
2	D471	DIODE-SCHOTTKY	1SS315,5V,30mA,USC,TP	0404-000161
2	D303	DIODE-VARACTOR	1SV229,15V,3nA,USC,TP	0405-000107
2	D304	DIODE-VARACTOR	1SV229,15V,3nA,USC,TP	0405-000107
2	D401	DIODE-VARACTOR	1SV229,15V,3nA,USC,TP	0405-000107
2	D402	DIODE-VARACTOR	1SV229,15V,3nA,USC,TP	0405-000107
2	D140	DIODE-ARRAY	DAN202U,80V,100mA,CA2-3,SC-70,	0407-000115
2	D60	DIODE-ARRAY	DAN202U,80V,100mA,CA2-3,SC-70,	0407-000115
2	D20	DIODE-ARRAY	KDS226,80V,300mA,C2-3,SOT-23,T	0407-000122
2	D201	DIODE-ARRAY	KDS226,80V,300mA,C2-3,SOT-23,T	0407-000122
2	D202	DIODE-ARRAY	KDS226,80V,300mA,C2-3,SOT-23,T	0407-000122
2	D40	DIODE-ARRAY	KDS226,80V,300mA,C2-3,SOT-23,T	0407-000122
2	D301	DIODE-PIN	RN731V,50V,50mA,SOD-323,TP	0409-000108
2	D302	DIODE-PIN	RN731V,50V,50mA,SOD-323,TP	0409-000108
2	Q473	TR-SMALL SIGNAL	2SA1576,PNP,200mW,SC-70,TP,180	0501-000162
2	Q475	TR-SMALL SIGNAL	2SA1576,PNP,200mW,SC-70,TP,180	0501-000162
2	Q102	TR-SMALL SIGNAL	2SC4081,NPN,200mW,UMT,TP,180-3	0501-000218
2	Q150	TR-SMALL SIGNAL	2SC4081,NPN,200mW,UMT,TP,180-3	0501-000218
2	Q301	TR-SMALL SIGNAL	2SC4081,NPN,200mW,UMT,TP,180-3	0501-000218
2	Q474	TR-SMALL SIGNAL	2SC4081,NPN,200mW,UMT,TP,180-3	0501-000218
2	Q140	TR-SMALL SIGNAL	MMBT2222A,NPN,225mW,SOT-23,TP,	0501-000457
2	Q151	TR-SMALL SIGNAL	MMBT2222A,NPN,225mW,SOT-23,TP,	0501-000457
2	Q60	TR-SMALL SIGNAL	MMBT2222A,NPN,225mW,SOT-23,TP,	0501-000457
2	Q302	TR-SMALL SIGNAL	AT32032,NPN,200mW,SOT-323,TP,7	0501-002182
2	Q470	TR-DIGITAL	RN1102,NPN,100mW,10K-10Kohm,SS	0504-000167
2	Q472	TR-DIGITAL	RN1102,NPN,100mW,10K-10Kohm,SS	0504-000167
2	Q103	TR-DIGITAL	RN1104,NPN,100mW,47K-47Kohm,SS	0504-000168
2	Q141	TR-DIGITAL	RN1104,NPN,100mW,47K-47Kohm,SS	0504-000168
2	Q220	TR-DIGITAL	RN1104,NPN,100mW,47K-47Kohm,SS	0504-000168
2	Q221	TR-DIGITAL	RN1104,NPN,100mW,47K-47Kohm,SS	0504-000168
2	Q104	TR-DIGITAL	RN2104,PNP,100mW,47K-47Kohm,SS	0504-000172
2	Q440	TR-DIGITAL	RN2104,PNP,100mW,47K-47Kohm,SS	0504-000172
2	Q61	TR-DIGITAL	RN2104,PNP,100mW,47K-47Kohm,SS	0504-000172
2	U102	FET-SILICON	SI6801DQ,N/P,20V,+/-1.9A,0.16/0	0505-001095
2	Q100	FET-SILICON	SI3443DV,P,-20V,+/-3.5mA,65mohm	0505-001165
2	Q471	FET-SILICON	SI3443DV,P,-20V,+/-3.5mA,65mohm	0505-001165
2	D220	LED	CHIP,RED,2.0x1.6mm,660nm	0601-000355
2	U152	IC-CMOS LOGIC	7W04,INVERTER,SSOP,8P,110MIL,T	0801-000301

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	U151	IC-TTL	4W53,MUX/DEMUX,SOP,8P,110MIL,S	0803-003010
2	J301	CBF SIGNAL	F/P-PCS,COAXIAL,-,-,-	GH39-20008A
2	C303	C-CERAMIC,CHIP	6pF,0.5pF,50V,NPO,TP,1005,-	2203-001178
2	C307	C-CERAMIC,CHIP	12pF,5%,50V,NPO,TP,1005,-	2203-000330
2	C220	C-CERAMIC,CHIP	470pF,10%,50V,X7R,TP,1005,-	2203-000940
2	C301	C-CERAMIC,CHIP	470pF,10%,50V,X7R,TP,1005,-	2203-000940
2	C424	C-CERAMIC,CHIP	470pF,10%,50V,X7R,TP,1005,-	2203-000940
2	R430	R-CHIP	82ohm,5%,1/16W,DA,TP,1005	2007-001217
2	R432	R-CHIP	82ohm,5%,1/16W,DA,TP,1005	2007-001217
2	R40	R-CHIP	20OHM,5%,1/16W,DA,TP,1005	2007-003010
2	R241	R-CHIP	680ohm,5%,1/16W,DA,TP,1005	2007-001119
2	C222	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C237	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C238	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C265	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C266	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C335	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C357	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C362	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C368	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C369	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C370	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C374	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C381	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C382	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C383	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C423	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C430	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C441	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C443	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C451	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	C459	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	L453	C-CERAMIC,CHIP	100pF,5%,50V,NPO,TP,1005,-	2203-000233
2	L305	INDUCTOR-SMD	12nH,5%,1.6x0.8x0.8mm	2703-001173
2	L450	INDUCTOR-SMD	12nH,5%,1.6x0.8x0.8mm	2703-001173
2	L333	INDUCTOR-SMD	5.6nH,0.3nH,1.6x0.8x0.8mm	2703-001441
2	L331	INDUCTOR-SMD	56nH,10%,2.29x1.73x1.52mm	2703-000306
2	L326	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	2007-000113
2	L313	INDUCTOR-SMD	2.7uH,10%,0.8x1.6x0.8mm	2703-000301
2	L314	INDUCTOR-SMD	2.7uH,10%,0.8x1.6x0.8mm	2703-000301

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	L320	INDUCTOR-SMD	2.7uH,10%,0.8x1.6x0.8mm	2703-000301
2	L321	INDUCTOR-SMD	2.7uH,10%,0.8x1.6x0.8mm	2703-000301
2	L303	INDUCTOR-SMD	180nH,10%,0.8x1.6x0.8mm	2703-000143
2	F451	FILTER-SAW	836.5MHz,25MHz,+/-25MHz/0.9dB,T	2904-001135
2	F304	FILTER-SAW	85.380MHz,13KHz,+/-13KHz/1.5dB,	2904-001074
2	C17	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061
2	C18	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061
2	C230	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061
2	C490	C-TA,CHIP	4.7uF,20%,10V,-,TP,3216,-	2404-000232
2	C428	C-CERAMIC,CHIP	9PF,0.25PF,50V,CH,TP,1005,-	2203-003054
2	C378	C-TA,CHIP	220nF,20%,20V,GP,TP,2012,-	2404-001092
2	C361	C-CERAMIC,CHIP	33nF,10%,10V,X7R,TP,1005,-	2203-005480
2	C360	C-CERAMIC,CHIP	47nF,10%,10V,X7R,TP,1005,-	2203-005481
2	C359	C-TA,CHIP	470nF,20%,20V,GP,TP,2012,-	2404-001095
2	U11	IC-VOLTAGE COMP.	75W56,SSOP,8P,110MIL,DUAL,7V,C	1202-001022
2	U150	IC-DSP	16272,16BIT,TQFP,64P,400MIL,27	0904-001280
2	R76	R-CHIP	56Kohm,1%,1/16W,DA,TP,1608	2007-001038
2	R78	R-CHIP	110Kohm,1%,1/16W,DA,TP,1608	2007-007231
2	R458	R-CHIP	130OHM,5%,1/16W,DA,TP,1005	2007-003004
2	-	ANTENNA-SCH650	SCH-650,824-895MHz,-2 ~ -3.5,5	GH42-10531A
2	R455	R-CHIP	9.1KOHM,5%,1/16W,DA,TP,1005	2007-007013
2	C311	C-CERAMIC,CHIP	22pF,5%,50V,NPO,TP,1005,-	2203-000628
2	C466	C-CERAMIC,CHIP	22pF,5%,50V,NPO,TP,1005,-	2203-000628
2	R463	INDUCTOR-SMD	6.8nH,5%,1x0.5x0.5mm	2703-001734
2	L311	INDUCTOR-SMD	150nH,10%,1.6x0.8x0.8mm	2703-001222
2	L315	INDUCTOR-SMD	150nH,10%,1.6x0.8x0.8mm	2703-001222
2	U401	IC-DATA COMM./GEN.	Q5312I-3S2,QSOP,80P,138mm,PLAS	1205-001451
2	F303	FILTER-SAW	85.38MHz,+/-0.63,+/-300KHz/0.3dB	2904-001140
2	PCB	PCB-SCH410MAIN	SCH-410,RESIN,6L,0.8t,108X41.5	GH41-10629A
2	-	NPR-CONTACT ANTENNA	SCH-300S,C5210S-H,T0.5,GOLD PL	GH71-10627A
2	L312	CORE-FERRITE	AB,1.6x0.8x0.8mm,-,-	3301-001105
2	L324	CORE-FERRITE	AB,1.6x0.8x0.8mm,-,-	3301-001105
2	L327	CORE-FERRITE	AB,1.6x0.8x0.8mm,-,-	3301-001105
2	L336	CORE-FERRITE	AB,1.6x0.8x0.8mm,-,-	3301-001105
2	L340	CORE-FERRITE	AB,1.6x0.8x0.8mm,-,-	3301-001105
2	C317	INDUCTOR-SMD	18nH,5%,1.0x0.5x0.5mm	2703-001722
2	U180	DISPLAY LCD-LCD	SCH-410,UG-09A-022X-DA,BLK/GRY	GH07-20546A
2	U240	IC-CMOS LOGIC	7S04,INVERTER,SOT-25,5P,63MIL,	0801-002192
2	R179	R-CHIP	68ohm,5%,1/16W,DA,TP,1005	2007-001301
2	R180	R-CHIP	68ohm,5%,1/16W,DA,TP,1005	2007-001301

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	R41	R-CHIP	30ohm,5%,1/16W,DA,TP,1005	2007-001291
2	R477	R-CHIP	24Kohm,5%,1/16W,DA,TP,1005	2007-000154
2	R67	R-CHIP	24Kohm,5%,1/16W,DA,TP,1005	2007-000154
2	D440	DIODE-ARRAY	DA204U,20V,100mA,C2-3,SC-70,TP	0407-000102
2	C320	C-CERAMIC,CHIP	7pF,0.5pF,50V,NPO,TP,1005,-	2203-001201
2	U451	IC-PREAMP	01038,SOP,6P,59MIL,SINGLE,-,PL	1201-001176
2	U452	IC-PREAMP	01037,SOP,6P,59MIL,SINGLE,-,PL	1201-001175
2	R476	R-CHIP	18Kohm,5%,1/16W,DA,TP,1005	2007-001333
2	L301	INDUCTOR-SMD	27nH,10%,1.6x0.8x0.8mm	2703-001303
2	R301	R-CHIP	270ohm,5%,1/16W,DA,TP,1005	2007-001311
2	R483	THERMISTOR-NTC	10KOHM,5%,3380K,1MW/C,TP	1404-001152
2	L463	INDUCTOR-SMD	15nH,5%,1.6x0.8x0.8mm	2703-001190
2	R170	R-CHIP	6.8MOHM,5%,1/16W,DA,TP,1608	2007-007715
2	R171	R-CHIP	2.7MOHM,5%,1/16W,DA,TP,1005	2007-007182
1	-	MEA FRONT-SCH410	SCH-410,SAMSUNG,-,-,-,-	GH97-01316A
2	FRONT	MEC-SUA FRONT	SCH-410,SAMSUNG,BLK	GH75-11206A
3	FRONT	MEC-SUA,FLIP COVER	SCH-410,SAMSUNG,BLK	GH75-11207A
4	FRONT	PMO-FLIP COVER	SCH-410,PC,BLK,-,-	GH72-41599A
4	FLIP	MPR-TAPE DUMMY	SCH-410,FOAM,34.8X13.1XT0.24,W	GH74-10687A
4	FLIP	LABEL(R)-FLIP	SCH-500,PC,30X2.8,0.3,BLK	GH68-31000A
3	-	PMO-EARPHONE COVER	SCH-410,PU,BLK,-,-	GH72-41602A
3	-	PMO-FRONT CASE	SCH-410,PC,BLK,-,-	GH72-41597A
3	-	PMO-REFLECTOR LED	SCH-410,ACRYL,TRP,-,-	GH72-41598A
3	-	MPR-SPONGE LCD	SCH-410,ACRYL,TRP,-,-	GH74-10685A
3	-	MPR-TAPE WINDOW	SCH-410,FOAM,35.5X30.2XT0.4,BL	GH74-10686A
3	-	MPR-SPEAKER TAPE	SCH-300S,TESA,PI19.4,T0.8,-,-	GH74-10571A
3	FRONT	PMO-HINGE HOUSING	SCH-500,PC,BLK,V0,-	GH72-41293A
3	FRONT	PMO-CAM HINGE	SCH-300S,500CL,BLK,V0,-	GH72-41055A
3	FRONT	PMO-SHAFT HINGE	SCH-2000,500CL,BLK,V0,-	GH72-41554A
3	FRONT	IPR-SPRING HINGE	SCH-300F,PW2,T0.45,-	GH70-10608A
3	FRONT	PMO-HOUSING CAP	SCH-300S,500CL,BLK,V0,-	GH72-41056A
3	-	RPR-SUPPORT RUBBER	SCH-410,CR,4X1.5XT0.8,BLK,-	GH73-10515A
2	FRONT	RMO-HOLDER MIC10	SCH-500,CR,7.7X7.2X4.9,BLK,50H	GH73-40618A
2	FRONT	RMO-HOLDER BUZZER	SCH-410,CR,7X12.6,BLK,60	GH73-40678A
2	FRONT	RMO-KEY PAD	SCH-410,Si,40X45.2,WHT,60	GH73-40680A
2	FRONT	RMO-WINDOW LCD	SCH-410,ACRYL,37.9X30.8XT1.0,T	GH73-40679A
2	FRONT	MPR-SPONGE SPEAK	SCH-200F,SPONGE,8X7XT2,BLK,-	GH74-10564A
2	FRONT	MPR-SPONGE MIC	SH-800,SPONGE,7X7.5X3,BLK,-	GH74-10526A
2	FRONT	NPR-SHIELD STRIP(B)	SCH-1100,C1720S-1/2H,T0.1,GOLD	GH71-10640A
2	FRONT	NPR-SHIELD STRIP(E)	SCH-550,KS D5202,T0.1,GOLD PLT	GH71-10651A

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	FRONT	PPR-BOHO VINYL	SPH-3000,VINYL,TRP,VO,-	GH72-10529A
2	FRONT	PPR-BUZZER COVER	SCH-150B,POLYESTER,BLK,-,-	GH72-10503A
2	FRONT	CLOTH-POLYESTER	T0.2,PI8,-,BLK	0107-001004
2	-	UNIT-KEYPAD	SCH-410,KBSCH-410,ISRAEL,-,-,-	GH59-10157A
2	-	MOTOR-DC	8500rpm,-,3V,110mA	3101-001169
2	FRONT	RMO-VOL KEY	SCH-410,Si,25.7X9.2,BLK,60	GH73-40718A
2	FLIP	PCT-FLIP DUMMY	SCH-410,ACRYL,TRP,-,-	GH72-30018A
2	FRONT	RMO-LCD BOHO RUBBER	SPH-3400,CR,5X3XT1.4,BLK,60HB	GH73-40727A
2	FRONT	MCT-REED BOHO SPONGE	SCH-410,SPONGE,6.5X4XT2.0,BLK,-	GH74-00004A
2	FLIP	LABEL(M)-BADGE(PELE)	SCH-410,NI PLATE,20X5,-,BLK	GH68-00122A
1	-	MEA REAR-SCH410	SCH-410,Si,40X45.2,WHT,60	GH97-01317A
2	-	MEC-SUA,REAR CASE	SCH-410,SAMSUNG,BLK	GH75-11208A
3	REAR	PMO-REAR CASE	SCH-410,PC,BLK,-,-	GH72-41600A
3	REAR	PMO-LOCKER MAIN	SCH-410,PC,BLK,-,-	GH72-41601A
3	REAR	IPR-SPRING LOCKER MA	SH-700,STS304,T0.3,-	GH70-10516A
2	-	NPR-SHIELD STRIP(A)	SCH-1100,C1720S-1/2H,T0.1,GOLD	GH71-10639A
2	REAR	NPR-SHIELD STRIP(B)	SCH-1100,C1720S-1/2H,T0.1,GOLD	GH71-10640A
2	REAR	NPR-SHIELD STRIP(C)	SCH-1100,C1720S-1/2H,T0.1,GOLD	GH71-10641A
2	REAR	NPR-SHIELD STRIP(D)	SCH-1100,C1720S-1/2H,T0.1,GOLD	GH71-10643A
2	REAR	SCREW-TAPTITE	PH,+,B,M2.6,L4,BLACK.SWRCH18A	6003-000366
2	REAR	NPR-SHIELD STRIP	SCH-1900,C5210S-3/4H,T0.1,GOLD	GH71-10644A
2	-	NDC-ANT-BRACKET	SCH-410,Zn,Au PLT	GH71-30505A
2	-	NPR-SHIELD STRIP(E)	SCH-550,KS D5202,T0.1,GOLD PLT	GH71-10651A
1	-	RMO-CONNECTOR COVER	SCH-410,Si,17.9X3.9,BLK,80	GH73-40681A
1	-	PMO-SHIELD COVER	SCH-410,PC,BLK,-,-	GH72-41603A
1	REAR	PMO-HANGER	SCH-300,NYLON,BLK,-,-	GH72-41207A
1	REAR	SCREW-MACHINE	BH,STAR,M2,L6,CBLACK,SM20C,FDT	6001-001046
1	REAR	LABEL(R)-MAIN	SCH-410,POLYESTER,40X30,T0.1,-	GH68-31119A
1	-	PAA MAIN-BOX	SCH-410,SAMSUNG,-,-,-,-,-	GH99-02018A
2	-	BOX(P)-GIFT MAIN	SAMSUNG,SCH-410,ROYAL IVORY,56	GH69-11245A
2	-	BOX(P)-MASTER MAIN	SPRINT,SCH-2000,DW-3,498X355X2	GH69-11133A
2	-	CUSHION-MAIN	SCH-410,PS,166X218X90	GH69-20760A
2	-	PAC-SILICAGEL	SiO2,50x40,5,SKP-816H	GA69-90502A
2	-	BAG-STD BATT.	PE,T0.06,70X170,SCH-1011	GH69-30503A
2	-	BAG-PE	PE,T0.06,150X300,-	GA69-30508A
2	-	BAG-MANUAL	PP,T0.06,125*280,SCH-1011	GH69-30518A
2	-	CUSHION-PAD MAIN	SCH-2000,DW-3,483X340XT7	GH69-20666A
2	-	CUSHION-PAD SIDE	SCH-2000,DW-3,340X230XT7	GH69-20667A
2	-	BAG-LDPE	PELD,T0.06,100X260,SP-RM928	GG69-30517A

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
1	BATT	LABEL(R)-BATT SLIM	SCH-410,POLYESTER,60X32.5,T0.1	GH68-31120A
1	BATT	LABEL(R)-BATT STD	SCH-410,POLYESTER,60X32.5,T0.1	GH68-31121A
1	-	LABEL(R)-QUALCOMM	SCH-100F,VINYL,12X6,0.12,TRP	GH68-30846A
1	-	LABEL(P)-SHIP(PCL)	SCH-410,CRAFT,250X180,T0.1,D/Y	GH68-11132A
1	-	LABEL(P)-MS BAR CODE	SCH-1900,ART,100X155,T0.1,WHT	GH68-11057A
1	-	LABEL(R)-BARCODE BOX	SCH-1011,POLYESTER,61X71,T0.1,	GH68-30937A
1	-	LABEL(R)-BAR CODE	SP-D300,PR,34X6.5,T0.1,WHT	GH68-30963A
1	STD	BATTERY-STANDARD	3.6V,1000mA,-,1.6A(MAX),4.2V	GH43-10321A
1	DTC	BATTERY CHARGER-DTC	SCH-411(PCL),AC/DC,12W,220VAC	GH44-40091A
2	DTC PBA	PBA MAIN-DTC(PBA)	SCH-411,SAMSUNG,ISRL,-,-,-,-	GH92-01185A
1	USER MANUAL	MAN(BOOK)-USER(PCL)	SCH-410,SAMSUNG,ISRAEL	GH68-60714A

* SCH-410 (without EVRC) is modified as shown below.

OPEN (No connection) Point : 12 Point

SHORT POINT : 1 Point

U150 EVRC → NC
 U151 → NC
 U152 → NC
 R151 0 → NC
 R152 1M → NC
 R154 47K → NC
 R155 0 → NC
 C150 5P → NC
 C151 5P → NC
 C152 100N → NC
 C153 100N → NC
 X150 → NC

R153 NC → 0 Ω

8-2 Desk-Top Rapid Charger Parts List

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
1	C7,C8	Y-CAP,2.2nF,20%,250V	2201-001004	
2	C1	X-CAP,100nF,20%,250V	2301-001092	
3	C3	CAP-ELECTRONIC,22uF,400V,85°C,13x20	2401-003088	
4	C21,C32	CAP-ELECTRONIC,680uF,16V,105°C,10x13	2401-003090	
5	C23,C33	CAP-ELECTRONIC,220uF,16V,105°C,6x11	2401-000804	
6	C6,C24	CAP-ELECTRONIC,47uF,35V,105°C,6x11	2401-001559	
7	C41	CAP-ELECTRONIC,2.2uF,50V,85°C,4x5	2401-000654	
8	C31	CAP-ELECTRONIC,100uF,16(10)V,85°C,6x7	2401-002165	
9	F1	FUSE,250VAC,2A,5x12,BLACK-TUBING	3601-001125	
10	LD1,LD2	LED,RED/GRN-DUAL,5x2(SLIDE)	0601-001338	
11	BD1	DIODE-BRIDGE,600V,1A	0402-000003	
12	D2,D3	DIODE-FR,1000V,1A	0402-000012	
13	D22,D23	DIODE-SCHOTKY,40V,1A	0402-000358	
			0402-000124	
14	D32	DIODE-SCHOTKY,40V,2A	0402-001104	
		DIODE-SCHOTKY,40V,1.7A		
		DIODE-SCHOTKY,40V,2A	0404-000155	
		DIODE-SCHOTKY,40V,1.5A		
15	D21	DIODE-FR,200V,1.5A/2A	0402-000205	
16	D31	DIODE-SCHOTKY,60V,5A	0402-000467	
17	D1	TRANSIENT VOLTAGE SUPPRESSOR,160V,600W	0403-001028	
18	U1	IC-SMART,TO-220,650V,2A	0505-001182	
19	U22	IC-SWITCHING,35V,1.5A,DIP-8P	1203-000391	
20	U21	IC-VOLTAGE, REGULATOR,5V,100mA,TO-92	1203-000542	
21	PC1	PHOTO-COUPLER,120-180%,200mW,DIP-4P,ST	0604-001098	
			0604-000191	
22	TH1	THERMISTER,5Ω,10	1404-000128	
			1404-001083	
23	R1	R-CARBON,120K,1/2W,5%	2001-000316	
24	R31	R-METAL OXIDE,51Ω,2W,5%	2003-000327	
25	R21,R34	R-WIRE WOUND,1/2W,0.2Ω,1%,(NON-IND.)	2005-001042	
26	R15,R16	R-SURGE,1/2W,4.7MΩ,5%	2009-001039	
			2002-001003	
27	R51	R-NTC,10KΩ,25°C	1404-000215	
			1404-001014	
28	S1	WIRE-NO SHEATH,0.6*52mm,SDACW	3811-000545	
29	VR1,VR2	R-SEMIFIX,1KΩ,1.10W,30%,TOP.TP	2103-000210	
30	VA1	VARISTOR,470V,2500A	1405-000001	
		VARISTOR,300V,3000A	1405-000193	

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
31	CHT005	S/W TRANS,CHT05,1.4mA,EE1916	ML26-00265E	
32	LF1	LINE-FILTER,UU1014-H,22mH(MIN)	ML29-00001A	
33	L21	COIL-CHOKE(TROIDAL),120uH,14x7,0.45	ML27-00235W	
34	L31	COIL-CHOKE(DRUM),7uH,6.5x7.5	ML27-00190E	
35	C44,C45	CAP-CHIP,2012,104K,X7R,50V	2203-000206	
			2203-000204	
36	C25,C39	CAP-CHIP,2012,474Z,Y5V,50V	2203-000922	
	C46,C47			
37	C26,C35,C42	CAP-CHIP,2012,473K,X7R,50V	2203-000985	
	C9		2203-000979	
38	C22	CAP-CHIP,2012,101J,NPO,50V	2203-002278	
39	C4,C30	CAP-CHIP,2012,103K,X7R,50V	2203-001458	
40	C5	CAP-CHIP,2012,223K,X7R,50V	2203-000609	
41	C27,C29,C40	CAP-CHIP,2012,104Z,Y5Z,50V	2203-000192	
	C36,C38			
42	U25	u-com,8bit,SOP-28P	0902-001175	
43	U23	IC-OP AMP,28V,150pA,DUAL,SOP-8P	1201-000166	
			1201-000167	
44	U24,U26	IC-COMPERATER,36V,1mA,DUAL,SOP-8P	1202-000188	
			1202-000104	
			1202-000187	
45	Q23	FET-DUAL,P-CHANNEL,12V,5A,0.05,SO-8P	0505-001180	
46	Q21,Q31,37	TR-PNP,SOT-23,60V,600mA	0501-000462	
47	Q24,Q34	TR-NPN,SOT-23,200mW,(47K-47K)	0504-000129	
			0504-000186	
48	Q22,Q32,Q33	TR-NPN,SOT-23,200mW,(10K-10K)	0504-000154	
			0504-000001	
49	D24	DIODE-ULTRA,HIGH SPEED,SOT-23,80V,100mW	0407-000114	
50	R59,R64,R65	R-CHIP,2012,47K Ω ,1%	2007-000938	
	R66			
51	R24,R37,R41	R-CHIP,2012,10K Ω ,1%	2007-000297	
	R52,R69			
52	R50,R67,R68	R-CHIP,2012,470K Ω ,1%	2007-000922	
53	R28,R43	R-CHIP,2012,270K Ω ,1%	2007-000632	
54	R26,R27	R-CHIP,2012,12K Ω ,1%	2007-000352	
55	R22	R-CHIP,2012,1.5K Ω ,1%	2007-000238	
56	R20,R30,R44	R-CHIP,2012,22K Ω ,1%	2007-000582	
57	R23,R36	R-CHIP,2012,91 Ω ,1%	2007-001677	
58	R38	R-CHIP,2012,820 Ω ,1%	2007-001198	

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
59	R39	R-CHIP,2012,1.2K Ω ,1%	2007-000218	
60	R29,R35,R42 R71,R72,R12	R-CHIP,2012,4.7K Ω ,1%	2007-000868	
61	R32	R-CHIP,2012,560 Ω ,5%	2007-000030	
62	R33	R-CHIP,2012,680 Ω ,5%	2007-001118	
63	R25,R40	R-CHIP,2012,2.2K Ω ,5%	2007-000493	
64	R70,R80	R-CHIP,2012,1K Ω ,1%	2007-000465	
65	R60,R63	R-CHIP,2012,2.4K Ω ,1%	2007-000508	
66	R13,R14	R-CHIP,2012,20 Ω ,5%	2007-000551	
67	R53,R54,R55 R56	R-CHIP,2012,470 Ω ,5%	2007-000931	
68	R02,R03,R04 R05,R06,R07	R-CHIP,2012,18K Ω ,5%	2007-000457	
69				
70	B1	BEAD,3.5x5,LEAD-TP	ML27-00093A ML27-00096A	
71	B2	BEAD(D2 K Lead),3.5x3.5	3301-000214	
72		CASE ASS'Y- COVER COVER (1) GATE LABEL (1) BATT HOUSING (1) BATT LOCKER (1) TH+,M3x8,BLK (3)	ML72-00242T	
73		CASE ASS'Y- BOTTOM BOTTOM (1) BOMPON (4)	ML72-00242S	
74		LABEL,DTC61,30x50x0.15	ML68-01001E	
75	(BOTTBM)	SCREW-TAP,PH+,2.6x12,BLK	ML60-00001A	
76		PCB-MAIN,DTC61,FR4,1oz,72.5x106x1.2	ML41-00227L	
77		PWR-CORD	ML39-00360D	
78	(U1)	HEAT-SINK(U1),15x13x5x1.0	ML62-00133A	
79	(U1)	SCREW-TAP(U1),PH+,M3x6	6001-000563	
80	CON1	CONNECTOR-C/B,3.9mm,3(2)P	3711-000203	
81	CN21,CN22	BATT-CONNENTOR,4P,3.0mm,30x9	ML74-00141W	
82		ADHESIVE - SEALANT,DC739,40RTV,DC739	0201-001029 0201-000303	
83		VINIL SACK,170x350x0.05,WHITE		
84		SOLDER-WIRE,KR-19,S60A	0202-000193	
85		ALCOHL,(CH3)2CHOH	0204-000429	
86		FLUX-SOLDER,920-CFX	MF02-00020A 0202-000226	

LEVEL	Design LOC	ITFMS	DESCRIPTION	SEC.CODE
2	R237	R-CHIP	100ohm,5%,1/16W,DA,TP,1005	2007-000138
2	R238	R-CHIP	100ohm,5%,1/16W,DA,TP,1005	2007-000138
2	R289	R-CHIP	100ohm,5%,1/16W,DA,TP,1005	2007-000138
2	R290	R-CHIP	100ohm,5%,1/16W,DA,TP,1005	2007-000138
2	R315	R-CHIP	100ohm,5%,1/16W,DA,TP,1005	2007-000138
2	R431	R-CHIP	100ohm,5%,1/16W,DA,TP,1005	2007-000138
2	R490	R-CHIP	100ohm,5%,1/16W,DA,TP,1005	2007-000138
2	R162	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005	2007-000140
2	R186	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005	2007-000140
2	R285	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005	2007-000140
2	R286	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005	2007-000140
2	R287	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005	2007-000140
2	R324	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005	2007-000140
2	R450	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005	2007-000140
2	R485	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005	2007-000140
2	R489	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005	2007-000140
2	R61	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005	2007-000140
2	R104	R-CHIP	2.2Kohm,5%,1/16W,DA,TP,1005	2007-000141
2	R141	R-CHIP	2.2Kohm,5%,1/16W,DA,TP,1005	2007-000141
2	R441	R-CHIP	2.7Kohm,5%,1/16W,DA,TP,1005	2007-000142
2	R106	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143
2	R201	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143
2	R223	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143
2	R460	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143
2	R74	R-CHIP	5.1Kohm,5%,1/16W,DA,TP,1005	2007-000144
2	R487	R-CHIP	6.8Kohm,5%,1/16W,DA,TP,1005	2007-000146
2	R121	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R217	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R220	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R221	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R222	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R225	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R230	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R234	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R235	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R319	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R329	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R330	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R331	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R402	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148

8-3 Hands-Free kit 1 Parts List

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
1	ZD201,ZD202	Zener Diode,5.1V - DIP		
2	ZD1	TVS Diode,P6KE33 - DIP		
3	D5,D7,D101,D102,D201	Diode,1N4148 - CHIP		
4	D1,D2,D3	Diode,1N5818 - DIP		
5	D100	Diode,SDS7000 - CHIP		
6	D202	Resistor,0/J - 3216 - CHIP		
7	R5,R10,R17,R20,R23,R27,R30,R33, R41,R44,R45,R46,R100,R102,R104,R108 R109,R111,R114,R115,R116,R118,R120, R122,R123,R124,R135,R201,R202,R203 R204,R205,R207,R208,R210,R211,R212, R215,R234,R252,R253,R254,R255,R258 R261,R262,R263,R264,R265,R260	Resistor,10K/J - 2013 - CHIP		
8	R213,R217,R221,R228 R229,R230,R231,R232	Resistor,2.2K/J - 2012 - CHIP		
9	R36,R42,R103,R125,R129 R214,R238,R242,R245	Resistor,100K/J - 2012 - CHIP		
10	R106,R107,R121,R127	Resistor,22K /J - 2012 - CHIP		
11	R40,R222,R223,R224,R236	Resistor,33K/J - 2012 - CHIP		
12	R31,R32,R225,R250,R251	Resistor,1K/J - 2012 - CHIP		
13	R16,R126	Resistor,27K/J - 2012 - CHIP		
14	R133,R134,R237	Resistor,56K/J - 2012 - CHIP		
15	R43	Resistor,12K/J - 2012 - CHIP		
16	R3,R13,R131	Resistor,100/J - 2012 - CHIP		
17	R4,R21,R37,R101,R105 R136	Resistor,47K/J - 2012 - CHIP		
18	R239	Resistor,470K/J - 2012 - CHIP		
19	R19,R128,R241	Resistor,15K/J - 2012 - CHIP		
20	R243	Resistor,120K/J - 2012 - CHIP		
21	R216,R226,R227,R244	Resistor,82K/J - 2012 - CHIP		
22	R246	Resistor,1.5K/J - 2012 - CHIP		
23	R26	Resistor,220K/J - 2012 - CHIP		
24	R247	Resistor,10/J - 2012 - CHIP		
25	R38,R110,R113,R117,R119	Resistor,4.7K/J - 2012 - CHIP		
26	R249	Resistor,680/J - 2012 - CHIP		
27	R39	Resistor,1M/J - 2012 - CHIP		
28	R1,R7,R112,R240	Resistor,2.7K/J - 2012 - CHIP		
29	R9	Resistor,910/F - 2012 - CHIP		

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
30	R8	Resistor,8.2K/F - 2012 - CHIP		
31	R137,R138	Resistor,330/J - 2012 - CHIP		
32	R18	Resistor,3.3K/J - 2012 - CHIP		
33	R139	Resistor,220/J - 2012 - CHIP		
34	R12	Resistor,3.9K/J - 2012 - CHIP		
35	R29,R233,R248	Resistor,5.1K/J - 2012 - CHIP		
36	R256	Resistor,1.2K/J - 2012 - CHIP		
37	R257	Resistor,820/J - 2012 - CHIP		
38	R24,R235	Resistor,18K/J - 2012 - CHIP		
39	R132	Resistor,1.8K/J - 2012 - CHIP		
40	R259	Resistor,47K/J - 3216 - CHIP		
41	R14	Resistor,0.1/F - 1W - DIP		
42	R11	Resistor,20/J - 0.5W- DIP		
43	VR1	VAR.Resister,MVR325K		
44	C1	Elec.Capacitor,100UF /35V (6.3 * 11) 85°C		
45	C7,C18,C23,C29,C240	Elec.Capacitor,470UF /16V (8 * 11.5) 85°C		
46	C12,C14,C204,C205,C206	Elec.Capacitor,10UF /16V (5 * 11)85°C		
47	C10,C207	Elec.Capacitor,100UF /16V (5 * 11) 85°C		
48	C8	Elec.Capacitor,47UF /16V (5 * 11) 85°C		
49	C235	Elec.Capacitor,330UF /16V (8 * 11.5) 85°C		
50	C4	Elec.Capacitor,470UF /35V (10 * 18) 85°C		
51	C104	Elec.Capacitor,10UF /25V (5 * 11) 85°C		
52	C106	Elec.Capacitor,22UF /35V (5 * 11) 85°C		
53	C221,C230,C233	Tan.Capacitor,4.7UF /16V		
54	C32,C33,C101,C105,C107,C108 C109,C110,C111,C112,C113 C114,C115,C116,C117,C118 C119,C201,C202,C215,C216,C217	Ceramic Capacitor,33PF(330)- 2012 - CHIP		
55	C5,C25,C209,C218,C222 C223,C229,C231	Ceramic Capacitor,1NF(102)- 2012 - CHIP		
56	C208,C213	Ceramic Capacitor,1UF(105)- 2012 - CHIP		
57	C232	Ceramic Capacitor,27NF(273)- 2012 - CHIP		
58	C100	Ceramic Capacitor,10NF(103)- 2012 - CHIP		
59	C2,C3,C6,C9,C11,C13,C15,C16, C22,C24,C26,C30,C31,C34,C102, C103,C120,C121,C210,C224 C226,C227,C228,C236,C237 C238.C239,C241,C242,C243, C244,C245,C246,C247,C248 C249.C251,C252,C253,R209	Ceramic Capacitor,0.1UF(104)- 2012 - CHIP		
60	C219,C220	Ceramic Capacitor,47NF(473)- 2012 - CHIP		

Electrical Parts List

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
61	C225,C250	Ceramic Capacitor,1.5NF(152)- 2012 - CHIP		
62	C17	Ceramic Capacitor,470PF(471)- 2012 - CHIP		
63	L2	Inductor(coil),220UH(18•7)		
64	L4	Inductor(coil),220UH(13•7)		
65	L1,L3,L5	Inductor(coil),10UH		
66	J100	DATA JACK,20P(RP13A-12RC-20PB)		
67	J201	MIC JACK,TC38-001-01		
68	J202FOR SPEAKER	SPK,2P(2mm)WAFER		
69	J1	DC JACK,LAD-1140-04		
70	Q205,Q206	TRANSISTOR,KSD794 or KSD882 - DIP		
71	Q203	TRANSISTOR,KTC4375Y - CHIP		
72	Q204	TRANSISTOR,KTA1663Y - CHIP		
73	Q1,Q2,Q6,Q11,Q12,Q13,Q14, Q100 ~ Q105,Q107,Q108,Q109 Q110,Q201,Q208,Q209,Q210	TRANSISTOR,KST2222A - CHIP		
74	Q3,Q8,Q106,Q202	TRANSISTOR,KST2907A - CHIP		
75	Q4,Q5	FET,IRF9540 or 2SJ176 - DIP		
76	BT201	OSCILLATOR,12.288M - DIP		
77	BT100	RESONATOR,4M - 3PIN		
78	U201,U207	IC,LM358 - CHIP		
79	U202	IC,AD1845 - CHIP		
80	U204	IC,ADSP-2176 - CHIP		
81	U205	IC,74HC14 - CHIP		
82	U206	IC,93C66 - CHIP		
83	U208	IC,4051 -CHIP		
84	U102	IC,KIA7045 - CHIP		
85	U100	IC,PIC16C73 - DIP		
86	U1	IC,NJM2360 or KA34063 - CHIP		
87	U4	IC,LM2576 - DIP		
88	U2,U3	IC,KA7805(TO-220) - DIP		
89	U5	IC,LM3403- CHIP		
90	U101	IC,LM2904 - CHIP		
91	S201	SWITCH,TACT SWITCH		
92	R1	Resister,330/J - 2012 - CHIP		
93	R2	Resister,2.2K/J - 2012 -CHIP		
94	R3	Resister,1K/J - 2012 -CHIP		
95	J1	SYSTEM,WAFERJACK (12P-2mm)		
96	J2	SYSTEM,WAFERJACK (15P-2mm)		
97	IS01	PHOTO INT.,SG215 - DIP		
98	RT1	THERMISTOR,C103JF4C(10K 1%)		
99	J3	LED(LED TACK),KARG138(5φ,3color)		

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
1	CASE UPPER	FOR CRADLE		
2	CASE LOWER	FOR CRADLE		
3	FRAME	FOR CRADLE		
4	HOLDER SOCKET	FOR CRADLE		
5	LOCKER 'A'	FOR CRADLE		
6	LOCKER 'B'	FOR CRADLE		
7	EJECT 'A'	FOR CRADLE		
8	EJECT 'B'	FOR CRADLE		
9	SPING LOCK	FOR CRADLE		
10	SPING EJECT	FOR CRADLE		
11	LID BOTTOM	FOR CRADLE		
12	COVER GATE	FOR CRADLE		
13	SCREW	#2 BT 2.6x6 Y,YELLOW		
14	SCREW	BM 3x8 B,BLACK		
15	SCREW	#2 BT 2x6 B,YELLOW		
16	CASE CONN UPPER	FOR CONNECTOR JACK		
17	CASE CONN LOWER	FOR CONNECTOR JACK		
18	BUTTON PUSH	FOR CONNECTOR JACK		
19	CURL CORD ASS'Y	FOR CONNECTOR JACK		
20	SPRING PLATE	FOR CONNECTOR JACK		
21	CABLE DATA ASS'Y	hirose 15P		
22	CABLE ANT ASS'Y	1P+1SHIELD		
23	SCREW	#2 FT2x6B		
24	CASE UPPER	CONTROL BOX CASE		
25	CASE LOWER	CONTROL BOX CASE		
26	BRACKET INSTALL	CONTROL BOX CASE		
27	COVER SPEAKER	CONTROL BOX CASE		
28	INSULATOR	CONTROL BOX CASE		
29	RUBBER SPONGE	CONTROL BOX CASE		
30	RIVET	CONTROL BOX CASE		
31	HEAT SINK	CONTROL BOX CASE		
32	SHIELD FENCE	CONTROL BOX CASE		
33	SCREW	#2 PS 3x5 Y		
34	SCREW	#2 BS 3x8 Y		
35	CASE UPPER	MICROPHONE		
36	CASE LOWER	MICROPHONE		
37	SPRING FIXING	MICROPHONE		
38	SCREW	#2 FT2x8 B		
39	CABLE MIC.	1P+1SHIELD WIRE+PLUG		

Electrical Parts List

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
40	CHSHION MIC.	MICROPHONE		
41	MIC CONDENSOR	CMP-68(NP)		
42	ANT ASS'Y	FOR ACCESSORY		
43	CABLE POWER	4P,RED-BLK-YLW-WHITE"		
44	LABEL	FOR CRADLE		
45	LABEL	FOR CONTROL BOX		
46	LABEL	FOR SPEAKER		
47	LABEL BAR CODE	FOR SERIAL NO.		
48	LABEL BAR CODE	FOR PRODUCT		
49	MANUAL	4-COLOR PRINT		
50	PLOY BAG	15x27,PE,FOR CONTROL BOX		
51	PLOY BAG	6x9,PE, FOR ACCESSARY		
52	CABLE TIE	80mm		
53	POWER LOG	φ6		
54	SCREW	#1 BT4x16B		
55	SCREW	PM4x6B		
56	BRACKET	INSTALL FOR CRADLE		
57	UNIT BOX	FOR PACKING		
58	PACKING PAD	FOR PACKING		
59	OUTER BOX	FOR PACKING		
60	POLY BAG	FOR EXTERNAL SPEAKER		
61	CASE FRONT	FOR EXTERNAL SPEAKER		
62	CASE REAR	FOR EXTERNAL SPEAKER		
63	HANDLE SPEAKER	FOR EXTERNAL SPEAKER		
64	BOLT	FOR FIXING HANDLE		
65	HEX. NUT	WITH WASHER		
66	SPEAKER LEEWON	9050F		
67	SPEAKER WIRE	2P		
68	SCREW	#1 PT 3x12B		
69	CONN. MIDDLE	2P WITH STOPPER		
70	LABEL	ELECTRICAL POLARITY		
71	LABEL	BUYER REQUESTED		
74	SPEAKER WIRE			
75	SPEAKER CABLE			
72	S/P WIRE	FOR SPEAKER		
73	S/P WIRE	FOR SPEAKER		

Electrical Parts List

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
32	U8	AD1845JST/Codec I.C		
33	U13	Analog S/W I.C-MC14051BDR2		
34	U10	EEPROM-AT93C66		
35	U7	O.P AMP-KA3403		
36	U9	HEX SCHMITT-TRIGGER INVERTERS-HCT14		
37	U12	AMP SPEAKER-KA2206		
38	U4	REGULATOR I.C-LM2575T-ADJ		
39	U3	O.P AMP-KA358D		
40	U15	REGULATOR I.C-KA7809		
41	U5,U6	REGULATOR I.C-KA7805		
42	U14	REGULATOR I.C-KA7810		
43	J4	Mic Jack-HSJ1045-01-010		
44	PCB Main	FR-4(t=1.6)		
45	R96	Resistor,100/J-1608-Chip		
46	R20,R72,R89,R90,R82, R83,R98,R99,R106,R109	Resistor,1K/J-1608-Chip		
47	R11,R12,R13,R14,R19 R24,R36,R39,R42,R47 R48,R49,R64,R65,R67 R68,R69,R70,R71,R73 R74,R92,R95,R102,R104 R107,R108	Resistor,10K/J-1608-Chip		
48	R16,R18,R33,R103	Resistor,100K/J-1608-Chip		
49	R88,R97,R101	Resistor,1M/J-1608-Chip		
50	R45,R78	Resistor,12K/J-1608-Chip		
51	R10,R30,R52,R87,R100	Resistor,120K/J-1608-Chip		
52	R93	Resistor,150/J-1608-Chip		
53	R46,R56	Resistor,15K/J-1608-Chip		
54	R17,R80	Resistor,18K/J-1608-Chip		
55	R51	Resistor,180K/J-1608-Chip		
56	R37,R81,R105	Resistor,2.2K/J-1608-Chip		
57	R31,R32,R75,R76,R79, R110	Resistor,22K/J-1608-Chip		
58	R43	Resistor,24K/J-1608-Chip		
59	R50	Resistor,270K/J-1608-Chip		
60	R62	Resistor,33/J-1608-Chip		
61	R77,R94	Resistor,3.3K/J-1608-Chip		
62	R55,R84,R85	Resistor,33K/J-1608-Chip		
63	R38	Resistor,330K/J-1608-Chip		

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
64	R22	Resistor,3.6K/J-1608-Chip		
65	R8	Resistor,39K/J-1608-Chip		
66	R15,R28,R29,R40,R44	Resistor,4.7K/J-1608-Chip		
67	R91	Resistor,47K/J-1608-Chip		
68	R57	Resistor,5.1K/J-1608-Chip		
69	R21	Resistor,51K/J-1608-Chip		
70	R26	Resistor,560/J-1608-Chip		
71	R54	Resistor,56K/J-1608-Chip		
72	R61	Resistor,62K/J-1608-Chip		
73	R6,R63	Resistor,680/J-1608-Chip		
74	R23	Resistor,6.8K/J-1608-Chip		
75	R7	Resistor,75K/J-1608-Chip		
76	R53,R86	Resistor,82K/J-1608-Chip		
77	R25	Metal Oxide Resistor-0.5/2%/0.5W/0.5G-Dip		
78	VR1	Resistor,10k/V-Chip		
79	C77	Tantal,2.2UF/10V-Chip,Asize		
80	C79,C85	Tantal,4.7UF/35V-Chip		
81	C10,C64	Tantal,10UF/6.3V-Chip,Asize		
82	Q1,Q2,Q6,Q8,Q11 Q12,Q13,Q14,Q16,Q17 Q18,Q19,Q20,Q22	Transistor,KSR1104-Chip		
83	Q9	Transistor,MMBT2907-Chip		
84	Q7	Transistor,KSR2104-Chip		
85	Q15,Q23	Transistor,KSB-1151-Y		
86	Q21	Transistor,IRF-9540		
87	VZR1	Varistor-SVS330D-10B		
88	JP873	Connector-ESQ-103-44-T		
89	JP872	Connector-GILS-12P-S2L2-EF		
90	JP871	Connector-GILS-15P-S2L2-EF		
91	U871	Photo Diode-SG215		
92	PCB Cradle	FR-4(t=1.6)		
93	R874,R875	Resistor,270/J-1608-Chip		
94	R872	Resistor,680/J-1608-Chip		
95	SW1	Tack Switch		
96	TH871	Thermister-C103JF4C		
97	Q871,Q872	Transistor,KSR1104-Chip		
98	C872,R873	N.C		
99	Power Cable	for Main		
100	Data Cable	for Cradle		

Electrical Parts List

NO.	Design LOC	DISCRIPTION	SEC. CODE	REMARKS
101	Curl Crd Ass'y	for Cradle		
102	Mic Ass'y	for Main		
103	Speaker	U5708BSS/8 Ohm 3W		
104	Speaker Cable 2Pin	for Main		
105	Lower Housing	for Main Box		
106	Upper Housing	for Main Box		
107	ID Label	Tetron(t=0.1)		
108	Logo Label	SAMSUNG		
109	Bar-Code Label			
110	Ring Rubber	for Cradle		
111	Support Rubber	for Main		
112	Tapping Scrwe	BH(3x6-2S)BLACK-Speaker		
113	Tapping Scrwe	PH(3x12-2S)BLACK-UPPER+LOWER		
114	MTG Bracket	for Cradle		
115	Felt Speaker	Felt		
116	Lower Housing	for Cradle		
117	Upper Housing	for Cradle		
118	Ejector A	for Cradle		
119	Ejector B	for Cradle		
120	Holder	for Cradle		
121	Locker	for Cradle		
122	Frame	for Cradle		
123	Holder Socket	for Cradle		
124	ID Label	for Cradle		
125	Machine Scrwe	PH(M3x6)BLACK		
126	Tapping Scrwe	BH(2x6-2S)BLACK		
127	Tapping Scrwe	BH(2.6x6-2S)BLACK		
128	Locker Spring	for Cradle		
129	Ejector Spring	for Cradle		
130	Clam Shell Ass'y	for Cradle		
131	Gate Label	for Cradle		
132	Manual(Book)			
133	BAG(P.E)	for Main		
134	Gift Box	ST300G-E		
135	Master Box			
136	Cable Mount Plate			
137	Cushion Case			

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	R404	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R409	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R410	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R442	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R481	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R488	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R51	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R70	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R82	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005	2007-000148
2	R160	R-CHIP	15Kohm,5%,1/16W,DA,TP,1005	2007-000151
2	R475	R-CHIP	15Kohm,5%,1/16W,DA,TP,1005	2007-000151
2	R203	R-CHIP	20Kohm,5%,1/16W,DA,TP,1005	2007-000152
2	R205	R-CHIP	20Kohm,5%,1/16W,DA,TP,1005	2007-000152
2	R316	R-CHIP	20Kohm,5%,1/16W,DA,TP,1005	2007-000152
2	R479	R-CHIP	20Kohm,5%,1/16W,DA,TP,1005	2007-000152
2	R185	R-CHIP	22Kohm,5%,1/16W,DA,TP,1005	2007-000153
2	R215	R-CHIP	22Kohm,5%,1/16W,DA,TP,1005	2007-000153
2	R478	R-CHIP	22Kohm,5%,1/16W,DA,TP,1005	2007-000153
2	R80	R-CHIP	22Kohm,5%,1/16W,DA,TP,1005	2007-000153
2	R154	R-CHIP	47Kohm,5%,1/16W,DA,TP,1005	2007-000157
2	R334	R-CHIP	47Kohm,5%,1/16W,DA,TP,1005	2007-000157
2	R470	R-CHIP	47Kohm,5%,1/16W,DA,TP,1005	2007-000157
2	R471	R-CHIP	47Kohm,5%,1/16W,DA,TP,1005	2007-000157
2	R472	R-CHIP	47Kohm,5%,1/16W,DA,TP,1005	2007-000157
2	R473	R-CHIP	47Kohm,5%,1/16W,DA,TP,1005	2007-000157
2	R209	R-CHIP	56Kohm,5%,1/16W,DA,TP,1005	2007-000159
2	R62	R-CHIP	56Kohm,5%,1/16W,DA,TP,1005	2007-000159
2	R102	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005	2007-000162
2	R103	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005	2007-000162
2	R105	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005	2007-000162
2	R108	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005	2007-000162
2	R112	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005	2007-000162
2	R240	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005	2007-000162
2	R72	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005	2007-000162
2	R84	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005	2007-000162
2	R480	R-CHIP	150Kohm,5%,1/16W,DA,TP,1005	2007-000164
2	R50	R-CHIP	150Kohm,5%,1/16W,DA,TP,1005	2007-000164
2	R152	R-CHIP	1Mohm,5%,1/16W,DA,TP,1005	2007-000170
2	R151	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R155	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171

Electrical Parts List

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	R207	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R212	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R232	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R236	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R24	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R25	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R27	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R271	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R272	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R273	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R274	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R275	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R276	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R277	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R278	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R279	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R280	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R30	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R302	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R304	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R310	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R311	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R411	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R42	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R64	R-CHIP	0ohm,5%,1/16W,DA,TP,1005	2007-000171
2	R325	R-CHIP	10ohm,5%,1/16W,DA,TP,1005	2007-000172
2	R326	R-CHIP	10ohm,5%,1/16W,DA,TP,1005	2007-000172
2	R408	R-CHIP	10ohm,5%,1/16W,DA,TP,1005	2007-000172
2	R317	R-CHIP	22ohm,5%,1/16W,DA,TP,1005	2007-000173
2	R20	R-CHIP	1.5Kohm,5%,1/16W,DA,TP,1005	2007-000242
2	R123	R-CHIP	270Kohm,5%,1/16W,DA,TP,1005	2007-000636
2	R211	R-CHIP	470ohm,5%,1/16W,DA,TP,1005	2007-000932
2	R224	R-CHIP	470ohm,5%,1/16W,DA,TP,1005	2007-000932
2	R305	R-CHIP	470ohm,5%,1/16W,DA,TP,1005	2007-000932
2	R444	R-CHIP	5.6Kohm,5%,1/16W,DA,TP,1005	2007-000982
2	R453	R-CHIP	5.6Kohm,5%,1/16W,DA,TP,1005	2007-000982
2	R459	R-CHIP	5.6Kohm,5%,1/16W,DA,TP,1005	2007-000982
2	R318	R-CHIP	33ohm,5%,1/16W,DA,TP,1005	2007-001292
2	R322	R-CHIP	33ohm,5%,1/16W,DA,TP,1005	2007-001292
2	R452	R-CHIP	33ohm,5%,1/16W,DA,TP,1005	2007-001292

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	R181	R-CHIP	36ohm,5%,1/16W,DA,TP,1005	2007-001294
2	R182	R-CHIP	36ohm,5%,1/16W,DA,TP,1005	2007-001294
2	R183	R-CHIP	36ohm,5%,1/16W,DA,TP,1005	2007-001294
2	R457	R-CHIP	51ohm,5%,1/16W,DA,TP,1005	2007-001298
2	R495	R-CHIP	51ohm,5%,1/16W,DA,TP,1005	2007-001298
2	R228	R-CHIP	150ohm,5%,1/16W,DA,TP,1005	2007-001306
2	R443	R-CHIP	1.2Kohm,5%,1/16W,DA,TP,1005	2007-001319
2	R403	R-CHIP	1.8Kohm,5%,1/16W,DA,TP,1005	2007-001320
2	R184	R-CHIP	3.3Kohm,5%,1/16W,DA,TP,1005	2007-001325
2	R21	R-CHIP	3.3Kohm,5%,1/16W,DA,TP,1005	2007-001325
2	R451	R-CHIP	560OHM,5%,1/16W,DA,TP,1005	2007-002797
2	R486	R-CHIP	560OHM,5%,1/16W,DA,TP,1005	2007-002797
2	R323	R-CHIP	430OHM,5%,1/16W,DA,TP,1005	2007-003019
2	R406	R-CHIP	300ohm,1%,1/16W,DA,TP,1005	2007-007133
2	R407	R-CHIP	39Kohm,1%,1/16W,DA,TP,1005	2007-007134
2	R328	R-CHIP	4.7Kohm,1%,1/16W,DA,TP,1005	2007-007136
2	R401	R-CHIP	1.2Kohm,1%,1/16W,DA,TP,1005	2007-007137
2	R405	R-CHIP	10Kohm,1%,1/16W,DA,TP,1005	2007-007142
2	R440	R-CHIP	10Kohm,1%,1/16W,DA,TP,1005	2007-007142
2	R445	R-CHIP	11.3Kohm,1%,1/16W,DA,TP,1005	2007-007491
2	C10	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C11	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C111	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C152	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C153	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C160	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C170	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C171	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C172	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C173	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C174	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C175	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C176	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C177	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C178	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C180	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C22	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C23	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C232	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C24	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	C242	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C252	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C254	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C256	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C260	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C28	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C316	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C50	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C62	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C70	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C72	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C80	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C86	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	2203-000189
2	C221	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C240	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C251	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C253	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C255	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C259	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C334	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C338	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C348	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C350	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C351	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C356	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C363	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C366	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C367	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C386	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C387	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C389	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C402	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C409	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C412	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C416	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C418	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C420	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C425	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C440	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C442	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	C444	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C445	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C455	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C458	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C461	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C470	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C471	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C473	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C474	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C477	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C479	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C481	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C484	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C485	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C492	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C493	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C82	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-	2203-000254
2	C322	C-CERAMIC,CHIP	10pF,0.5pF,50V,NPO,TP,1005,-	2203-000278
2	C323	C-CERAMIC,CHIP	10pF,0.5pF,50V,NPO,TP,1005,-	2203-000278
2	C325	C-CERAMIC,CHIP	10pF,0.5pF,50V,NPO,TP,1005,-	2203-000278
2	C376	C-CERAMIC,CHIP	120pF,5%,50V,NPO,TP,1005,-	2203-000311
2	C377	C-CERAMIC,CHIP	120pF,5%,50V,NPO,TP,1005,-	2203-000311
2	C489	C-CERAMIC,CHIP	150pF,5%,50V,NPO,TP,1005,-	2203-000359
2	C491	C-CERAMIC,CHIP	150pF,5%,50V,NPO,TP,1005,-	2203-000359
2	C211	C-CERAMIC,CHIP	18pF,5%,50V,NPO,TP,1005,-	2203-000425
2	C213	C-CERAMIC,CHIP	18pF,5%,50V,NPO,TP,1005,-	2203-000425
2	C464	C-CERAMIC,CHIP	18pF,5%,50V,NPO,TP,1005,-	2203-000425
2	C103	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C209	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C212	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C302	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C305	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C308	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C314	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C332	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C333	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C336	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C337	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C339	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C343	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438

Electrical Parts List

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	C345	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C353	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C371	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C373	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C401	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C410	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C411	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C413	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C415	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C417	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C419	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C429	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C450	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C454	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C476	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C494	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	L307	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-	2203-000438
2	C388	C-CERAMIC,CHIP	2.2nF,10%,50V,X7R,TP,1005,-	2203-000489
2	C205	C-CERAMIC,CHIP	220pF,10%,50V,X7R,TP,1005,-	2203-000585
2	C349	C-CERAMIC,CHIP	220pF,10%,50V,X7R,TP,1005,-	2203-000585
2	C364	C-CERAMIC,CHIP	220pF,10%,50V,X7R,TP,1005,-	2203-000585
2	C74	C-CERAMIC,CHIP	220pF,10%,50V,X7R,TP,1005,-	2203-000585
2	C309	C-CERAMIC,CHIP	33pF,5%,50V,NPO,TP,1005,-	2203-000812
2	C342	C-CERAMIC,CHIP	33pF,5%,50V,NPO,TP,1005,-	2203-000812
2	C448	C-CERAMIC,CHIP	33pF,5%,50V,NPO,TP,1005,-	2203-000812
2	C310	C-CERAMIC,CHIP	3pF,0.25pF,50V,NPO,TP,1005,-	2203-000870
2	C315	C-CERAMIC,CHIP	3pF,0.25pF,50V,NPO,TP,1005,-	2203-000870
2	C319	C-CERAMIC,CHIP	3pF,0.25pF,50V,NPO,TP,1005,-	2203-000870
2	C341	C-CERAMIC,CHIP	3pF,0.25pF,50V,NPO,TP,1005,-	2203-000870
2	L308	C-CERAMIC,CHIP	3pF,0.25pF,50V,NPO,TP,1005,-	2203-000870
2	C460	C-CERAMIC,CHIP	47pF,5%,50V,NPO,TP,1005,-	2203-000995
2	C457	C-CERAMIC,CHIP	4pF,0.25pF,50V,NPO,TP,1005,-	2203-001017
2	C203	C-CERAMIC,CHIP	8.2nF,10%,16V,X7R,TP,1005,-	2203-001210
2	C204	C-CERAMIC,CHIP	8.2nF,10%,16V,X7R,TP,1005,-	2203-001210
2	C329	C-CERAMIC,CHIP	8pF,0.5pF,50V,NPO,TP,1005,-	2203-001259
2	C330	C-CERAMIC,CHIP	8pF,0.5pF,50V,NPO,TP,1005,-	2203-001259
2	C331	C-CERAMIC,CHIP	8pF,0.5pF,50V,NPO,TP,1005,-	2203-001259
2	C375	C-CERAMIC,CHIP	8pF,0.5pF,50V,NPO,TP,1005,-	2203-001259
2	C452	C-CERAMIC,CHIP	1.5pF,0.25pF,50V,NPO,TP,1005,1	2203-001385
2	C207	C-CERAMIC,CHIP	22nF,20%,25V,Y5V,TP,1005,1.0mm	2203-001405

LEVEL	Design LOC	ITEMS	DESCRIPTION	SEC.CODE
2	C318	C-CERAMIC,CHIP	33nF,10%,16V,Y5V,TP,1005,1.0mm	2203-001416
2	C326	C-CERAMIC,CHIP	33nF,10%,16V,Y5V,TP,1005,1.0mm	2203-001416
2	C327	C-CERAMIC,CHIP	33nF,10%,16V,Y5V,TP,1005,1.0mm	2203-001416
2	C404	C-CERAMIC,CHIP	47nF,10%,16V,Y5V,TP,1005,1.0mm	2203-001432
2	C483	C-CERAMIC,CHIP	47nF,10%,16V,Y5V,TP,1005,1.0mm	2203-001432
2	C150	C-CERAMIC,CHIP	5pF,0.25pF,50V,X7R,TP,1005,1.0	2203-001437
2	C151	C-CERAMIC,CHIP	5pF,0.25pF,50V,X7R,TP,1005,1.0	2203-001437
2	C426	C-CERAMIC,CHIP	62pF,5%,50V,CH,TP,1005,-	2203-002987
2	C427	C-CERAMIC,CHIP	62pF,5%,50V,CH,TP,1005,-	2203-002987
2	C328	C-CERAMIC,CHIP	1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065
2	C12	C-CERAMIC,CHIP	1uF,10%,10V,X7R,TP,2012,-	2203-005144
2	C13	C-CERAMIC,CHIP	1uF,10%,10V,X7R,TP,2012,-	2203-005144
2	C358	C-CERAMIC,CHIP	68nF,10%,10V,X5R,TP,1005,-	2203-005483
2	C21	C-TA,CHIP	10uF,20%,6.3V,-,TP,3216,-	2404-000139
2	C403	C-TA,CHIP	10uF,20%,6.3V,-,TP,3216,-	2404-000139
2	C475	C-TA,CHIP	10uF,20%,6.3V,-,TP,3216,-	2404-000139
2	C482	C-TA,CHIP	10uF,20%,6.3V,-,TP,3216,-	2404-000139
2	C114	C-TA,CHIP	1uF,20%,16V,-,TP,3216,-	2404-000151
2	C140	C-TA,CHIP	1uF,20%,16V,-,TP,3216,-	2404-000151
2	C488	C-TA,CHIP	1uF,20%,16V,-,TP,3216,-	2404-000151
2	C405	C-TA,CHIP	2.2uF,20%,16V,-,TP,3216,-	2404-000167
2	C472	C-TA,CHIP	2.2uF,20%,16V,-,TP,3216,-	2404-000167
2	C352	C-TA,CHIP	33uF,20%,6.3V,GP,TP,3528,-	2404-001032
2	C40	C-TA,CHIP	33uF,20%,6.3V,GP,TP,3528,-	2404-001032
2	C406	C-TA,CHIP	33uF,20%,6.3V,GP,TP,3528,-	2404-001032
2	C431	C-TA,CHIP	33uF,20%,6.3V,GP,TP,3528,-	2404-001032
2	C84	C-TA,CHIP	33uF,20%,6.3V,GP,TP,3528,-	2404-001032
2	C100	C-TA,CHIP	100uF,10%,6.3V,GP,TP,7343L,-	2404-001063
2	C110	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-	2404-001064
2	C123	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-	2404-001064
2	C340	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-	2404-001064
2	C347	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-	2404-001064
2	C355	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-	2404-001064
2	C365	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-	2404-001064
2	C486	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-	2404-001064
2	L471	INDUCTOR-SMD	100nH,10%,0.8x1.6x0.8mm	2703-000109
2	L316	INDUCTOR-SMD	330nH,10%,0.8x1.6x0.8mm	2703-000190
2	L319	INDUCTOR-SMD	330nH,10%,0.8x1.6x0.8mm	2703-000190
2	L322	INDUCTOR-SMD	470nH,10%,0.8x1.6x0.8mm	2703-000213
2	L402	INDUCTOR-SMD	750nH,10%,2.92x2.79x2.29mm	2703-000237



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