FM1000 Parts List(Main)

No	Part Number	M/F	Part Description	Q'ty	Part Position
1	SN74LV14APW	TI	L/V Inverter,Schmitt Trigger Input,	1	U1
2	CL10B105JA8NNN	삼성전기	1uF, 25V, X7R, J,	5	BC10, C41, C42, C46, C48
3	SD1C477M6L110	삼성전기	AL 470uF, 25V	1	BC100
4	SV1C337M10009	Samwha	AL 330uF, 16V	1	BC5
5	SD1C107M05011	Samwha	AL 100uF, 25V	1	BC6
6	CL10B101JA8NNN	삼성전기	100pF, 25V, X7R, J,	31	BC,13,15,16,18,24, 102,104,1001,1002, BC1003,1004,1005,1006,1007,1008,1009 BC1010,1011,1012,1013,1014,1015,1017 BC1019,1021,1023,1025,1027,1029,1031 BC1037
7	CL10B104JA8NNN	삼성전기	0.1uF, 25V, X7R, J,	57	C1,2,4,5,6,7,9,10,11,12,56,57,60,61,62, C70,78,83, 86, 87, 88,89,91,92,95,1000, BC1, 2,4,9,12,14,17,19,20,21, 22, 23, 25 BC26,31,32,40,101,103,1016,1018,1020 BC1022,1024, 1026, 1028,1030, 1038, 1040
8	CL10B200JA8NNN	삼성전기	20pF, 25V, X7R, J,	4	C13, 14, 79, 80
9	CL10B821JA8NNN	삼성전기	820pF, 25V, X7R, J,	1	C17
10	DX-5R5V224U	ELNA	0.22F, 5.5V,	1	C18
11	TCSVN1C106MA	삼성전기	10uF, 16V	1	C47
12	SD1C227M6L011	Samwha	AL 220uF, 25V,	2	C53,C101
13	CL10B224JA8NNN	삼성전기	220nf, 25V, X7R, J,	1	C54
14	CL10B272JA8NNN	삼성전기	2.7nf, 25V, X8R, J,	1	C55
15	CL10B223JA8NNN	삼성전기	22nf, 25V, X8R, J,	2	C58,59
16	CL10B102JA8NNN	삼성전기	1nF, 25V, X7R, J,	9	C68,69,71,72,73,74,75,76,93
17	TCSVN1A226MA	삼성전기	22uF, 16V,	1	C90
18	CF07181D0-LF	CviLux	18pin	1	CON1
19	53015-0910	Molex	9pin	1	CONX1
20	53015-1110	Molex	11pin	1	CONX3
21	53015-0410	Molex	4pin	1	CONX4
22	MM4148	Rectron/	DIODE	3	D2,4,5
23	MRA4004T3G(M4)	ON-Semi.	DIOE	1	D24
24	LTST-C170GKT	Lite-On	LED,	3	D28, 31, 39
25	SS14	Shenzhen Sier/	DIODE	2	D30,40
26	SS34	Shenzhen Sier/	DIODE	2	D41,44
27	MAZS1600MLTR-ND	Panasonic	DIODE	1	D43
28	CNA30U471M-BM	Maruwa	EMI-Filter Array	2	EMI1, 5
29	RJ45-0628S-8P8C	Connectronix	Modular Jack	1	J1
30	53014-0510	Molex	5pin	1	J3
31	12505WS-08	Yeonho	8pin1	1	J6
32	12505WS-07	Yeonho	7pin	1	J8
33	PHS4S407R15G	I-TECHNOS	1x7 2.54mm Header	1	JP1
34	53014-0310	Molex	3PIN	1	JP12
35	PHS4S403R15G	I-TECHNOS	1x3 2.54mm Header	2	JP125, 126

36	PHS4S404R15G	I-TECHNOS	1x4 2.54mm Header	3	JP2, 3,10, 11,123, 124
37	AJS1311F,[JS1-12V-F]	Panasonic,[NaiS]	Relay,	2	K2, K3
38	SHP0760P-F331A	Tokyo Coil[TCE]	Choke-Coil,	1	L11
39	HB-1M2012-151J	Ceratech	Ferrite-Beads,	12	L4,7,8,9,10,21,22,23,24,25,26,27
40	SHP0760P-F820A	Tokyo Coil[TCE]	Choke-Coil,	4	L5, 12,41,42
41	SHP0760P-F121A	Tokyo Coil[TCE]	Choke-Coil,	1	L6
42	SM-1205C	Soberton	Buzzer,	1	LS1
43	RUEF160	Raychem	Poly-Switch,	1	PS2
44	MMBT3904	Philips(NXP)	TR	1	Q6
45	RC1608J105	삼성전기	General, 1M, J,	1	R1
46	RC1608J103	삼성전기	General, 10k, J,	18	R10,11,18,19,20,22,23,24,112 ,1051,1109 1127,1128,1 129,1130,1131,2000,2001
47	RC1608J152	삼성전기	General, 1k5, J,	3	R100, 1052, 1077
48	RC1608J203	삼성전기	General, 20K, J,	1	R103
49	RC1608J912	삼성전기	General, 9.1K, J,	3	R104
50	RC1608J101	삼성전기	General, 100R, J,	5	R1047, 1065, 1068, 1071, 1074
51	RC1608J561	삼성전기	General, 560R, J,	1	R1049
52	RC1608J122	삼성전기	General, 1k2, J,	4	R1063, 1066, 1069, 1072
53	RC1608J271	삼성전기	General, 270R, J,	4	R1064, 1067, 1070, 1073
54	RC1608J241	삼성전기	General, 240R, J,	4	R107, 108, 109, 110
55	RC1608F49.9R	삼성전기	General, 49.9R,	4	R1078, 1079, 1081, 1082
56	RC1608F592	삼성전기	General, 5k9,	1	R1083
57	RC1608J750	삼성전기	General, 75R, J,	4	R1084, 1085, 1086, 1087
58	RC1608J512	삼성전기	General, 5k1, J,	12	R1088,1090,1094,1095,1096,1097,1098 1099,1101,1103,1105,1107
59	RC1608J511	삼성전기	General, 510R, J,	1	R1100
60	RC1608J222	삼성전기	General, 2k2, J,	4	R1110, 1111, 1112, 1113
61	RC1608J104	삼성전기	General, 100k, J,	1	R1115
62	RC1608J681	삼성전기	General, 680R, J,	7	R14,15,16,1057,1058,1059,1061
63	RC1608J330	삼성전기	General, 33R, J,	5	R2, 3, 6, 1048, 1050,
64	RC1608J471	삼성전기	General, 470R, J,	1	R21
65	RC1608J000	삼성전기	General, 0R, J,	2	R25, 1046
66	RC1608J472	삼성전기	General, 4k7, J,	9	R4,17,1035,1036,1037,1060,1062,1114,2007
67	RC1608J102	삼성전기	General, 1k, J,	4	R5, 8, 12, 13,
68	742C083103JP	CTS	10k, J, 8pin,	2	RN1, RN2
69	742C083330JP	CTS	33R, J, 8pin,	4	RN3, 4, 5, 6
70	INR5D270K	ILJIN	VARISTOR	1	RV1
71	VSN2012A18NR	삼화콘덴서	SMD	14	RV2 - 15
72	INT-1101B[4.3mm]	Innocent El.	Tact Switch,	1	SW1
73	MS-1283PL	PRAN Elec.	Micro Switch	1	SW2
74	PH163112G[PF]	YCL	Transformer,	1	T1
75	TCSVN1A475MA	삼성전기	4.7uF, 6.3V, M(+,-20%),	2	TC1, 2
76	TCSVN1C105MA	삼성전기	1uF, 16V, M(+,-20%),	3	TC10, 11, 12
77	TCSVN1C335MA	삼성전기	3.3uF, 3.6V, M(+,-20%),	1	TC16
78	SD1C337M6L110	삼성전기	330uF, 6.3V	1	TC6

79	P6SMBJ22A	LITTELFUSE	600W	2	TVS1,2
80	LM2575T-5.0	National Semi.	Regulator, IC	1	U12
81	L4971D	Micro	Regulator, IC	1	U13
82	MLN7400	MCS Logic	Network 0.5mm Pitch	1	U2
83	CS4340-KSZ	Cirrus Logic	Stereo DAC, 1.27mm	1	U21
84	ULN2003AD	TI	High-Current 1.27mm	1	U25
85	PC357NTJ000F	Sharp	Photo IC, 2.54mm	4	U26, 27, 28, 29
86	DS1307Z+	MAXIM	RTC,1.27mm ,	1	U3
87	RTL8201BL-LF	Realtek	1 PORT FAST ETHERNET PHYCEIVER, 0.5mm	1	U33
88	MAX485CSA+	MAXIM	RS-485/RS-422 Transceivers, 0.150" SOIC, 1.27mm	2	U34, 35
89	K4S281632I-UC75	삼성전자	SD-RAM, 0.8mm Pitch,	1	U4
90	PIC12F675I/P	MICROCHIP	Controller, 300mil	1	U45
91	110-87-308-41-605101	Preci-dip	DIL Sockets, IC Socket for 300mil Body,	1	U45
92	KBL406	Vishay	DIDOE	1	U46
93	SN74LV32APW	TI	Low Voltage Quad 2-Input OR Gate,	1	U5
94	AM29LV160DB-90ED	AMD	16Mb CMOS Flash Memory,3V,	1	U6
95	K9F5608U0D-PCB0	삼성전자	32Mx8bit Nand-Flash Memory, 0.5mm	1	U7
96	SN74LVC08APW	TI	L/V, Quadruple 2-Input Positive-AND, 0.65mm	1	U8
97	MAX232CSE+	MAXIM	RS-232 Transceivers,	1	U9
98	SC18130A3-10S	Sunny	X-TAL, 10MHz, ATS-25/U, AT,	1	Y1
99	MH32768A	EuroQuartz	X-TAL, 32.768kHz, Cylindrical,	1	Y2
100	SC18130A3-25S	Sunny	X-TAL, 25MHz, ATS-25/U, AT,	1	Y3
101	999-19-210-00	Preci-dip	2.54mm Jumper	8	
102	FM1000-MAIN Rev 2.1	국민전자	PCB, FR4-0.8T-6L, Half-Oz, 전체 금도금	1	

FM1000 Parts List(125KHz RF Module)

No	Part Number	M/F	Part Description	Q'ty	Part Position
1	AT89S52-24AU	Atmel	8bit Micro-Controller, 0.8mm Pitch	1	U1
2	MC74HC4060ADG	ON-Semi.	14-Stage Binary Ripple Counter,OSC	1	U2
3	MC74HC04ADG	ON-Semi.	Hex Inverter, 1.27mm Pitch	1	U3
4	TL084CD	TI	JFET Input Op Amp1.27mm Pitch	1	U4
5	MMBT2222A	Philips(NXP)	NPN Switching Tr Marking Code: 7C*	1	Q1
6	MMBT2907A	ON-Semi.	PNP Switching Tr Marking Code: **2F***	2	Q2, 3
7	CL10B220JA8NNN	삼성전기	22pF, 25V, X7R, J	4	C3, 4, 9, 10
8	CL10B470JA8NNN	삼성전기	47pF, 25V, X7R, J,	2	C11, 13
9	CL10B102JA8NNN	삼성전기	1nF, 25V, X7R, J,	3	C7, 14, 17
10	CL10B104JA8NNN	삼성전기	100nF, 25V, X7R, J,	7	C2, 12, 18, 19, 20,32,37
11	CL10B681JA8NNN	삼성전기	680pF, 25V, X7R, J,	6	C33 - 36,30,31
12	CL10B331JA8NNN	삼성전기	330pF, 25V, X7R, J,	9	C21 - 29
13	CL10B223JA8NNN	삼성전기	22nF, 25V, X7R, J,	1	C5
14	TCSVN1C106MA	삼성전기	10uF, 16V, M(+,-20%),	1	C1
15	TCSVN1C105MA	삼성전기	1uF, 16V, M(+,-20%),	2	C6, 8
16	HB-1M1608-301J	Ceratech	Ferrite-Beads, 300R,	3	FB3,4
17	CM2012F1R5K	삼성전기	SMD Inductor 1.5uH,	2	L1,L2
18	CM1608F1R5K	삼성전기	SMD Inductor 1.5uH,	2	L3,4
19	RC1608J100	삼성전기	General, 10R, J,	2	R5, 7
20	RC1608J101	삼성전기	General, 100R, J,	1	R8
21	RC1608J331	삼성전기	General, 330R, J,	2	R4, 11
22	RC1608J102	삼성전기	General, 1k, J,	1	R3
23	RC1608J472	삼성전기	General, 4k7, J,	4	R2, 17, 19, 20
24	RC1608J103	삼성전기	General, 10k, J,	2	R1, 13
25	RC1608J123	삼성전기	General, 12k, J,	1	R9
26	RC1608J223	삼성전기	General, 22k, J,	2	R6, 12
27	RC1608J473	삼성전기	General, 47k, J,	1	R21
28	RC1608J104	삼성전기	General, 100k, J,	1	R18
29	RC1608J394	삼성전기	General, 390k, J,	1	R14
30	RC1608J105	삼성전기	General, 1M, J,	3	R10, 15, 16
31	KDS226	KEC	SMD Diode SOT-23, Marking Code: C3	1	D4
32	MM4148	Rectron	High-speed Switching Diode	2	D2, 3
33	FM4937(FS15)	Rectron	1A, FAST RECOVERY RECTIFIERS	1	D5
34	LTST-C190BKT	Lite-On	Blue Color LED,	1	D1
35	12505WS-06	Yeonho	1.25mm Pitch , Straight,	1	J1 [AT89S52]
37	12505WS-02	Yeonho	1.26mm Pitch , Straight,	1	J3
36	53014-0510	Molex	2mm Pitch , Straight,	1	J2
38	SC18130A3-11.0592S	Sunny	X-TAL, 11.0592MHz, ATS-25/U, AT,	1	X1
39	SC18130A3-16S	Sunny	X-TAL, 16MHz, ATS-25/U, AT	1	X2
40	MKS-2-2200pF/10/100	WIMA	2200pF/100V, Polyester Film CAP, K,	1	C15
41	MKS-2-1500pF/10/100	WIMA	1500pF/100V, Polyester Film CAP, K	1	C16
42	ANTENNA COIL		Loop Coil, 1.26mH, 내경 16Pie	1	

No	Part Number	M/F	Part Description	Q'ty	Part Position
43	PR526 Rev 2.2	국민전자	FR4-0.8T-2L PCB, half-Oz, HASL	1	

FM1000 Parts List(Keypad)

No	Part Number	M/F	Part Description	Q'ty	Part Position
1	LM386M-1/NOPB	National Semi.	Low Voltage Audio Power Amplifier,	1	U1
2	MMBT3904	Philips(NXP)	NPN Switching Transistor,	3	Q1, 2, 3
3	RC1608F102	삼성전기/	General, 1k, F,	20	R1, 2, 3, 4, 5, R6, 7, 8, 9, 10, R11, 12, 13, 14, 20, R21, 22, 23, 26, 40
4	RC1608J000	삼성전기	General, 0R, J,	6	R15, 16, 24, 25, 41, R42
5	RC1608J100	삼성전기	General, 10R, J,	1	R30
6	RC1608J153	삼성전기	General, 15k, J,	1	R35
7	CL10B104JA8NNN	삼성전기	0.1uF, 25V, X7R, J,	2	C1, 2
8	CL10B563JA8NNN	삼성전기	56nF, 25V, X7R, J,	1	C5
9	TCSVN1C106MA	삼성전기	10uF, 16V, M(+,-20%),	2	TC1, 2
10	LTST-C190GKT	Lite-On	Green LED	32	D1, 2, 3, 4, 5, D6, 7, 8, 9, 10, D11, 12, 13, 14, 15, D16, 17, 18, 19, 20, D21, 22, 23, 24, 25, D26, 27, 28, 29, 30, D31, D32
11	INT-1101S43A	innocentswitch	T/S[4.3mm], Operating-Force: 160gf,	16	SW1, 2, 3, 4, 5, SW6, 7, 8, 9, 10, SW11, 12, 13, 14,15, SW16
12	12505WS-07	Yeonho	1.25mm Pitch , Straight,	1	J1
13	12505WR-02	Yeonho	1.25mm Pitch , RIGHT ANGLE,	1	JP1
14	RD1A227M05011	Samwha	Capacitors, 220uF, 10V,	1	C4
15	Keypad Rev 1.4	국민전자	PCB, FR4-1.6T-2L, Half-Oz	1	

FM1000 Parts List(Set Assembly)

No	Part Number	M/F	Part Description	Q'ty	Part Position
1	LCD MODULE		128 x 64	1	
2	F/P MODULE			1	
3	SPEAKER (Mylar)		8.0Ω 0.5W 25Φ	1	
4	CLAMP CORE		CLAMP TYPE CORE,내경13MM	1	
5	LCD WINDOW		MOLD COLOR	1	투명 LCD 창
6	PLATE COVER		MOLD SPARY(SILK-2C)	1	LCD 창및 KEY PAD COVER
7	KEY BUTTON		MOLD COLOR	1	
8	TOP COVER		MOLD SPARY(SILK-1C)	1	
9	F/P-M PLATE		MOLD COLOR	1	
10	SPEAKER PLATE		MOLD COLOR	1	
11	BOTTOM COVER		MOLD SPARY	1	
12	WIRE HARNESS		SD5339-07 100mm/UL1061-28AWG-SD5339-07	1	Keypad <-> Main-PCB
13	WIRE HARNESS		SD5339-08 100mm/UL1061-28AWG-SD5339-08	1	F/P-MODELE <-> Main-PCB
14	WIRE HARNESS		SD5339-02 60mm/UL1061-28AWG-3mm SOLDER	1	RF<-->코일
15	WIRE HARNESS		SD5339-02 60mm/UL1061-28AWG-3mm SOLDER	1	Speaker <-> Keypad
16	WIRE HARNESS		SD5339-03 80mm/UL1061-26AWG-SD5339-03	1	RF(13.56M<-->안테나)
17	WIRE HARNESS		SD53015-04 300mm/UL1007-26AWG-3mm STRIP	1	Power SMPS <-> Main CONX4
18	WIRE HARNESS		SD53015-09 300mm/UL1007-26AWG-3mm STRIP	1	External Circuit <-> CONX1
19	WIRE HARNESS		SD53015-11 300mm/UL1007-26AWG-3mm STRIP	1	External Circuit <-> CONX3
20	WIRE HARNESS		SD53015-03 300mm/UL1007-26AWG-4mm STRIP	1	콘솔용(DEBUG용)
21	WIRE HARNESS		SD53015-05 100mm/UL1007-26AWG-SD53015-05	1	RF-MODULE <-> Main-PCB
22	SCREW		PH-TP2-M2.6-6L	20	Plate/C-3,SPK/P-2,FP/P-2,FP/M2,RF/M-2,KEY-4,MAIN-5
23	SCREW		STAR/H-TP2-M3-10L	1	SET SECURITY - Accessory
24	STAR L- WRENCH		STAR/H-TP2-M3	1	SET SECURITY - Accessory
25	LABEL		BT735 MAIN LABEL(SILVER)	1	SET MAIN BACK
26			SERIAL NO LABEL	3	MAIN PBA & MAIN BACK,WARRANTY
27	MANUAL		BT735	1	
28			WARRANTY CARD	1	
29	SOFT WARE		CD PACK	1	
30	BAG		POLY BAG	1	SET
31			POLY BAG	2	MANUAL,WARRANTY CARD,W-HARNESS
32			POLY BAG	1	Accessory/SCREW,WRENCH
33	BOX		GIFT BOX(COLOR)	1	
34			CARTON BOX	1/10	
35			Bottom Cover 조립용으로 별볼트2개	1	