

## FM-1000 PART LIST(MAIN)

NO	Part Number	M/F	Part Description	Q'ty
1	SN74LV14APW	TI	L/V Inverter,Schmitt Trigger Input,	1
2	CL10B105JA8NNN	삼성전기	1uF, 25V, X7R, J,	5
3	SD1C477M6L110	삼성전기	AL 470uF, 25V	1
4	SV1C337M10009	Samwha	AL 330uF, 16V	1
5	SD1C107M05011	Samwha	AL 100uF, 25V	1
6	CL10B101JA8NNN	삼성전기	100pF, 25V, X7R, J,	33
7	CL10B104JA8NNN	삼성전기	0.1uF, 25V, X7R, J,	59
8	CL10B200JA8NNN	삼성전기	20pF, 25V, X7R, J,	4
9	CL10B821JA8NNN	삼성전기	820pF, 25V, X7R, J,	1
10	DX-5R5V224U	ELNA	0.22F, 5.5V,	1
11	TCSVN1C106MA	삼성전기	10uF, 16V	1
12	SD1C227M6L011	Samwha	AL 220uF, 25V,	2
13	CL10B224JA8NNN	삼성전기	220nf, 25V, X7R, J,	1
14	CL10B272JA8NNN	삼성전기	2.7nf, 25V, X8R, J,	1
15	CL10B223JA8NNN	삼성전기	22nf, 25V, X8R, J,	2
16	CL10B102JA8NNN	삼성전기	1nF, 25V, X7R, J,	9
17	TCSVN1A226MA	삼성전기	22uF, 16V,	1
18	CF07181D0-LF	CviLux	18pin	1
19	53015-0910	Molex	9pin	1
20	53015-1110	Molex	11pin	1
21	53015-0410	Molex	4pin	1
22	MM4148	Rectron/	DIODE	3
23	MRA4004T3G(M4)	ON-Semi.	DIOE	1
24	LTST-C170GKT	Lite-On	LED,	3
25	SS14	Shenzhen Sier/	DIODE	2
26	SS34	Shenzhen Sier/	DIODE	2
27	MAZS1600MLTR-ND	Panasonic	DIODE	1
28	CNA30U471M-BM	Maruwa	EMI-Filter Array	2
29	RJ45-0628S-8P8C	Connectronix	Modular Jack	1
30	53014-0510	Molex	5pin	1

31	I2505WS-08	Yeonho	8pin1	1
32	I2505WS-07	Yeonho	7pin	1
33	PHS4S407R15G	I-TECHNOS	1x7 2.54mm Header	1
34	53014-0310	Molex	3PIN	1
35	PHS4S403R15G	I-TECHNOS	1x3 2.54mm Header	2
36	PHS4S404R15G	I-TECHNOS	1x4 2.54mm Header	3
37	AJS1311F,[JS1-12V-F]	Panasonic,[NaiS]	Relay,	2
38	SHP0760P-F331A	Tokyo Coil[TCE]	Choke-Coil,	1
39	HB-1M2012-151J	Ceratech	Ferrite-Beads,	12
40	SHP0760P-F820A	Tokyo Coil[TCE]	Choke-Coil,	4
41	SHP0760P-F121A	Tokyo Coil[TCE]	Choke-Coil,	1
42	SM-1205C	Soberton	Buzzer,	1
43	RUEF160	Raychem	Poly-Switch,	1
44	MMBT3904	Philips(NXP)	TR	1
45	RC1608J105	삼성전기	General, 1M, J,	1
46	RC1608J103	삼성전기	General, 10k, J,	18
47	RC1608J152	삼성전기	General, 1k5, J,	3
48	RC1608J203	삼성전기	General, 20K, J,	1
49	RC1608J912	삼성전기	General, 9.1K, J,	3
50	RC1608J101	삼성전기	General, 100R, J,	5
51	RC1608J561	삼성전기	General, 560R, J,	1
52	RC1608J122	삼성전기	General, 1k2, J,	4
53	RC1608J271	삼성전기	General, 270R, J,	4
54	RC1608J241	삼성전기	General, 240R, J,	4
55	RC1608F49.9R	삼성전기	General, 49.9R,	4
56	RC1608F592	삼성전기	General, 5k9,	1
57	RC1608J750	삼성전기	General, 75R, J,	4
58	RC1608J512	삼성전기	General, 5k1, J,	12
59	RC1608J511	삼성전기	General, 510R, J,	1
60	RC1608J222	삼성전기	General, 2k2, J,	4
61	RC1608J104	삼성전기	General, 100k, J,	1
62	RC1608J681	삼성전기	General, 680R, J,	7
63	RC1608J330	삼성전기	General, 33R, J,	5
64	RC1608J471	삼성전기	General, 470R, J,	1
65	RC1608J000	삼성전기	General, 0R, J,	2
66	RC1608J472	삼성전기	General, 4k7, J,	9
67	RC1608J102	삼성전기	General, 1k, J,	4
68	742C083103JP	CTS	10k, J, 8pin,	2
69	742C083330JP	CTS	33R, J, 8pin,	4

70	INR5D270K	ILJIN	VARISTOR	1
71	VSN2012A18NR	삼화콘덴서	SMD	14
72	INT-1101B[4.3mm]	Innocent EL	Tact Switch,	1
73	MS-1283PL	PRAN Elec.	Micro Switch	1
74	PH163112G[PF]	YCL	Transformer,	1
75	TCSVN1A475MA	삼성전기	4.7uF, 6.3V, M(+,-20%),	2
76	TCSVN1C105MA	삼성전기	1uF, 16V, M(+,-20%),	3
77	TCSVN1C335MA	삼성전기	3.3uF, 3.6V, M(+,-20%),	1
78	SD1C337M6L110	삼성전기	330uF, 6.3V	1
79	P6SMBJ22A	LITTELFUSE	600W	2
80	LM2575T-5.0	National Semi.	Regulator, IC	1
81	L4971D	Micro	Regulator, IC	1
82	MLN7400	MCS Logic	Network 0.5mm Pitch	1
83	CS4340-KSZ	Cirrus Logic	Stereo DAC, 1.27mm	1
84	ULN2003AD	TI	High-Current 1.27mm	1
85	PC357NTJ000F	Sharp	Photo IC, 2.54mm	4
86	DS1307Z+	MAXIM	RTC,1.27mm ,	1
87	RTL8201BL-LF	Realtek	1 PORT FAST ETHERNET PHYCEIVER, 0.5mm	1
88	MAX485CSA+	MAXIM	RS-485/RS-422 Transceivers, 0.150" SOIC, 1.27mm	2
89	K4S281632I-UC75	삼성전자	SD-RAM, 0.8mm Pitch,	1
90	PIC12F675I/P	MICROCHIP	Controller, 300mil	1
91	110-87-308-41-605101	Preci-dip	DIL Sockets, IC Socket for 300mil Body,	1
92	KBL406	Vishay	DIDOE	1
93	SN74LV32APW	TI	Low Voltage Quad 2-Input OR Gate,	1
94	AM29LV160DB-90ED	AMD	16Mb CMOS Flash Memory,3V,	1
95	K9F5608U0D-PCB0	삼성전자	32Mx8bit Nand-Flash Memory, 0.5mm	1
96	SN74LVC08APW	TI	L/V, Quadruple 2-Input Positive-AND, 0.65mm	1
97	MAX232CSE+	MAXIM	RS-232 Transceivers,	1
98	SC18130A3-10S	Sunny	X-TAL, 10MHz, ATS-25/U, AT,	1
99	MH32768A	EuroQuartz	X-TAL, 32.768kHz, Cylindrical,	1
100	SC18130A3-25S	Sunny	X-TAL, 25MHz, ATS-25/U, AT,	1
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 굽도금	1

FM-1000 PART LIST (13.56MHz RF MODULE				
NO	Part Number	M/F	Part Description	Q'ty
1	AT89S52-24AU	Atmel	8bit Micro-Controller, 0.8mm Pitch,	1
2	TCSVN1C106MA	삼성전기	10uF, 16V, M(+,-20%),	1
3	CL10B220JA8NNN	삼성전기	22pF, 25V, X7R, J,	8
4	TCSVN1C105MA	삼성전기	1uF, 16V, M(+,-20%),	1

5	CL10B681JA8NNN	삼성전기	680pF, 25V, X7R, J,	14
6	CL10B103JA8NNN	삼성전기	10nF, 25V, X7R, J,	2
7	CL10B331JA8NNN	삼성전기	330pF, 25V, X7R, J,	6
8	CL10B470JA8NNN	삼성전기	47pF, 25V, X7R, J,	2
9	CL10B100JA8NNN	삼성전기	10pF, 25V, X7R, J,	2
10	CL10B101JA8NNN	삼성전기	100pF, 25V, X7R, J,	2
11	CL10B104JA8NNN	삼성전기	100nF, 25V, X7R, J,	2
12	CL10B150JA8NNN	삼성전기	15pF, 25V, X7R, J,	3
13	LTST-C190BKT	Lite-On	Blue Color LED,	1
14	HB-1M1608-301J	Ceratech	Ferrite-Beads,	3
15	HB-1M2012-301J	Ceratech	Ferrite-Beads,	1
16	RC1608J000	삼성전기	General, 0R, J,	2
17	CM1608F1R5K	삼성전기	Inductor	2
18	12505WS-06	Yeonho	1.25mm Pitch ,	1
19	12505WR-03	Yeonho	1.25mm Pitch ,	2
20	53014-0510	Molex	2mm Pitch ,	1
21	CIL21J1R0KN	삼성전기	Inductor	2
22	MMBT2222A	Philips[NXP]	TR	1
23	RC1608J103	삼성전기	General, 10k, J,	2
24	RC1608J102	삼성전기	General, 1k, J,	1
25	RC1608J821	삼성전기	General, 820R, J,	1
26	RC1608J472	삼성전기	General, 4k7, J,	2
28	CM2012F1R5K	삼성전기	SMD Inductor 1.5uH,	1
27	MF-RC500-01T/0FE	Philips[NXP]	ISO 14443A Reader IC,	1
29	SC18130A3-13.56S	Sunny	X-TAL 13.56Mhz	1
30	SC18130A3-11.0592S	Sunny	X-TAL 11.0592Mhz	1
31	PR527-ANT V2.1	국민전자	FR4-0.8T-2L PCB, half-Oz, HASL	1
32	PR527-MAIN V2.3	국민전자	FR4-0.8T-2L PCB, half-Oz, HASL	1

\*():안테나 보드 부품임

FM-1000 PART LIST (KEYPAD)				
NO	Part Number	M/F	Part Description	Q'ty
1	LM386M-1/NOPB	National Semi.	OPAMP	1
2	CL10B104JA8NNN	삼성전기	0.1uF, 25V, X7R, J,	2
3	RD1A227M05011	Samwha	Capacitors, 220uF, 10V,	1
4	CL10B563JA8NNN	삼성전기	56nF, 25V, X7R, J,	1

5	LTST-C190GKT	Lite-On	Green LED	32
6	12505WS-07	Yeonho	1.25mm Pitch ,	1
7	12505WR-02	Yeonho	1.25mm Pitch ,	1
8	MMBT3904	Philips(NXP)	TR	3
9	RC1608F102	삼성전기/	General, 1k, F,	20
10	RC1608J000	삼성전기	General, 0R, J,	6
11	RC1608J100	삼성전기	General, 10R, J,	1
12	RC1608J153	삼성전기	General, 15k, J,	1
13	INT-1101S43A	innocent	T/S[4.3mm], Operating-Force: 160gf,	16
14	TCSVN1C106MA	삼성전기	10uF, 16V, M(+,-20%),	2
15	Keypad Rev 1.4	국민전자	PCB, FR4-1.6T-2L, Half-Oz	1

FM-1000 PART LIST (총조립)				
NO	Part Number	M/F	Part Description	Q'ty
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
6	PLATE COVER		MOLD SPARY(SILK-2C)	1
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
13	WIRE HARNESS		SD5339-08 100mm/UL1061-28AWG-SD5339-08	1
14	WIRE HARNESS		SD5339-02 60mm/UL1061-28AWG-3mm SOLDER	1

15	WIRE HARNESS		SD5339-02 60mm/UL1061-28AWG-3mm SOLDER	1
16	WIRE HARNESS		SD5339-03 80mm/UL1061-26AWG-SD5339-03	1
17	WIRE HARNESS		SD53015-04 300mm/UL1007-26AWG-3mm STRIP	1
18	WIRE HARNESS		SD53015-09 300mm/UL1007-26AWG-3mm STRIP	1
19	WIRE HARNESS		SD53015-11 300mm/UL1007-26AWG-3mm STRIP	1
20	WIRE HARNESS		SD53015-03 300mm/UL1007-26AWG-4mm STRIP	1
21	WIRE HARNESS		SD53015-05 100mm/UL1007-26AWG-SD53015-05	1
22	SCREW		PH-TP2-M2.6-6L	20
23	SCREW		STAR/H-TP2-M3-10L	1
24	STAR L- WRENCH		STAR/H-TP2-M3	1
25	LABEL		BT735 MAIN LABEL(SILVER)	1
26			SERIAL NO LABEL	3
27	MANUAL		BT735	1
28			WARRANTY CARD	1
29	SOFT WARE		CD PACK	1
30	BAG		POLY BAG	1
31			POLY BAG	2
32			POLY BAG	1
33	BOX		GIFT BOX(COLOR)	1
34			CARTON BOX	1/10
35			Bottom Cover 조립용으로 별볼트2개	1

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J6
J8
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U45	
U45	
U46	
U5	
U6	
U7	
U8	
U9	
Y1	
Y2	
Y3	
C)	
Part Position	
U1	
C1	
C11,12	
(C14,15,17,19,20,21 )	
C13	



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R1, 2, 3, 4, 5, R6, 7, 8, 9, 10, R11, 12, 13, 14, 20, R21, 22, 23, 26, 40
R15, 16, 24, 25, 41, R42
R30
R35
SW1, 2, 3, 4, 5, SW6, 7, 8, 9, 10, SW11, 12, 13, 14,15, SW16
TC1, 2

Part Position
투명 LCD 창
LCD 창및 KEY PAD COVER
Keypad <-> Main-PCB
F/P-MODELE <-> Main-PCB
RF<-->코일

Speaker <-> Keypad
RF(13.56M<-->안테나)
Power SMPS <-> Main CONX4
External Circuit <-> CONX1
External Circuit <-> CONX3
콘솔용(DEBUG용)
RF-MODULE <-> Main-PCB
Plate/C-3,SPK/P-2,FP/P-2,FP/M2,RF/M-2,KEY-4,MAIN-5
SET SECURITY - Accessory
SET SECURITY - Accessory
SET MAIN BACK
MAIN PBA & MAIN BACK,WARRANTY
SET
MANUAL,WARRANTY CARD,W-HARNESS
Accessory/SCREW,WRENCH