

Parts List

Model: FREEDOM-MBS001

No.	Name	Spectrial Description	Number	Place
1	Capacitor	0.1uf, 0402	5	C1, C2, C3, C4, C5
2	Capacitor	12pf, 0402	2	C6, C7
3	Capacitor	2.2Uf, 0603	10	C8, C9, C10, C11, C12, C13, C14, C15, C16, C17
4	Capacitor	10nF, 0402	2	C18, C30
5	Capacitor	220pF, 0402	3	C19, C28, C26
6	Capacitor	2.7pF, 0402	1	C20
7	Capacitor	68pF, 0603	1	C21
8	Capacitor	5.1pF, 0402	1	C22
9	Capacitor	10nF, 0402	1	C23
10	Capacitor	4.7uF, 0603	5	C24, C25, C31, C33, C34
11	Capacitor	1uf, 0402	4	C27, C29, C35, C36
12	Capacitor	100nF, 0402	1	C32
13	Connector	ICP	1	CON1
14	Connector	LCD	1	CON3
15	Connector	CHARGE	1	CON4
16	Connector	BATT	1	CON5
17	IC	PIC18F87K90	1	IC1
18	IC	MRF49XA	1	IC2
19	IC	MCP73831	1	IC3
20	IC	TC1263	1	IC4
21	IC	MAX9788	1	IC5
22	IC	MAX5407	1	IC6
23	Inductor	390nH	1	L1
24	Inductor	33nH	1	L2
25	Inductor	47nH	1	L3
26	LED	LED, 0603	5	LED1, LED2, LED3, LED4, LED5
27	Speaker	PIEZO/Speaker	1	PZ1
28	Resistor	4K7, 0402	4	R1, R7, R11, R14
29	Resistor	470R, 0402	2	R2, R3
30	Resistor	10K, 0402	9	R5, R6, R12, R13, R22, R26, R27, R29, R30
31	Resistor	56R, 0402	3	R8, R9, R10
32	Resistor	100K, 0402	6	R4, R15, R16, R17, R25, R28
33	Resistor	100R, 0402	3	R18, R19, R20
34	Resistor	2K0, 0402	1	R21

35	Resistor	25K, 0402	1	R23
36	Resistor	10R, 0402	1	R24
37	Switch	SW_UP	1	S1
38	Switch	SW_SEL	1	S2
39	Switch	SW_DN	1	S3
40	Switch	SW_nc	1	S4
41	IC	BC807	1	TR1
42	IC	BC817	3	TR2, TR3, TR4
43	XTAL	32.768KHz	1	X1
44	XTAL	10MHz	1	X2
45	PCB	pcb	1	
46	LCD	LCD	1	
47	Connector	LCD Connector	1	
48	Battery	Battery	1	
49	Antenna	433 Antennas	1	