

Parts List for Base Control Module:

Item	Quantity	Part Description	Designators
1	3	Cap-Mono, X7R, RAD, 10%, 0.01 μ F/50V	C1,C29,C31
3	11	Cap-Mono, X7R, RAD, 10%, 0.1 μ F/50V	C2,C3,C6,C8,C9,C16,C23,C27,C30,C32,C33
5	5	Cap-Mono, X7R, RAD, 10%, 10 μ F/50V, Polarized	C4,C25,C26,C28,C34
7	4	Cap-Mono, X7R, RAD, 10%, 1 μ F/50V, Polarized	C5,C18,C19,C20
9	2	Cap-Mono, X7R, RAD, 5%, 0.220pF/3000V	C10,C11
11	1	Cap-Mono, X7R, RAD, 10%, 0.68 μ F/50V	C12
13	1	Cap-Mono, X7R, RAD, 10%, 0.027 μ F/50V	C13
15	1	Cap-Mono, X7R, RAD, 10%, 100pF/50V	C14
17	2	Cap-Mono, X7R, RAD, 10%, 0.01 μ F/500V	C15,C17
19	2	Cap-Mono, X7R, RAD, 10%, 0.22 μ F/50V	C7,C22
21	1	Cap-Mono, X7R, RAD, 10%, 47 μ F/50V, Polarized	C21
23	2	Cap-Mono, X7R, RAD, 10%, 22 μ F/50V, Polarized	C35,C36
25	1	Cap-Mono, X7R, RAD, 10%, 330pF/50V	C37
27	1	Cap-Mono, X7R, RAD, 10%, 0.003 μ F/50V	C24
29	4	Resistor, Metal Film, 1%, 100k Ω /0.25W	R1,R2,R4,R5
31	1	Resistor, Metal Film, 1%, 37.5k Ω /0.25W	R3
33	1	Resistor, Metal Film, 1%, 4.7M Ω /0.25W	R6
35	1	Resistor, Metal Film, 1%, 374k Ω /0.25W	R7
37	3	Resistor, Metal Film, 1%, 3.3k Ω /0.25W	R8,R44,R45
39	1	Resistor, Metal Film, 1%, 10 Ω /0.25W	R9
41	1	Resistor, Metal Film, 1%, 80.6k Ω /0.25W	R10
43	2	Resistor, Metal Film, 1%, 130k Ω /0.25W	R11,R12
45	4	Resistor, Metal Film, 1%, 1.8M Ω /0.25W	R13,R14,R20,R32
47	1	Resistor, Metal Film, 1%, 68.1 Ω /0.25W	R15
49	1	Resistor, Metal Film, 1%, 59 Ω /0.25W	R16
51	1	Resistor, Metal Film, 1%, 169 Ω /0.25W	R17
53	6	Resistor, Metal Film, 1%, 10k Ω /0.25W	R18,R31,R35,R36,R37,R47
55	2	Resistor, Metal Film, 1%, 200k Ω /0.25W	R19,R21
57	1	Resistor, Metal Film, 1%, 8.2 Ω /0.25W	R22
59	1	Resistor, Metal Film, 1%, 1.69M Ω /0.25W	R23
61	1	Resistor, Metal Film, 1%, 221k Ω /0.25W	R24
63	2	Resistor, Metal Film, 1%, 6.49M Ω /0.25W	R25,R33
65	1	Resistor, Metal Film, 5%, 1M Ω /0.25W	R26
67	1	Resistor, Metal Film, 1%, 110k Ω /0.25W	R27
69	1	Resistor, Metal Film, 1%, 60.4k Ω /0.25W	R28
71	2	Resistor, Metal Film, 1%, 200 Ω /0.25W	R29,R46
73	1	Resistor, Metal Film, 1%, 2.2k Ω /0.25W	R30
75	1	Resistor, Metal Film, 1%, 47 Ω /0.25W	R34
77	1	Resistor, Metal Film, 1%, 500 Ω /0.25W	R38
79	1	Resistor, Metal Film, 1%, 50 Ω /0.25W	R39,R40
81	1	Resistor, Metal Film, 1%, 35k Ω /0.25W	R41

83	1	Resistor, Metal Film, 1%, 16kΩ/0.25W	R42
85	1	Resistor, Metal Film, 1%, 680kΩ/0.25W	R43
87	1	Resistor, Metal Film, 1%, 4.7kΩ/0.25W	R48
89	1	IC, Voice Recorder, Winbond ISD4002, 240 Sec.	U1
91	1	IC, Voltage Regulator, GL-7805, 5V	U2
93	1	IC, Microcontroller, Motorola MC9S12DP256B, 16-bit	U3
95	1	IC, DTMF Transceiver, Zarlink MT8880, Call Progress	U4
97	1	IC, Telephone DAA, Clare CPC5622, Resistive	U5
99	1	IC, Real Time Clock, Maxim DS1305, SPI	U6
101	1	IC, Wireless Xmitter, Radiotronix RCT418AS, 418MHz	U7
103	1	IC, Wireless Receiver, Radiotronix RCT418RP, 418MHz	U8
105	1	IC, uP Reset Circuit, Maxim MAX6314, Active Low	U9
107	1	Crystal, 16.00MHz, 25PPM, 16pF, XL-1C-16.0000	X1
109	1	Crystal, 32.768MHz, 20PPM, 6pF, CFS206-32.768K	X2
111	1	Crystal, 3.5795MHz, 30PPM, 17pF, ECS-35-17-4	X3
113	2	Antenna, 418MHz, ¼ wavelength	ANT1, ANT2
115	1	LED, ¼", 2V/25mA, White	LED1
117	1	Battery, 3V, 500mAh, Lithium-Ion	B1
119	1	Switch, Rocker, SPST, 6A @ 125VAC	SW1
121	1	Keypad, 4 x 4 Keypad, 8-Pins	KP1
123	1	LCD, 4 x 20, 16-Pin, Backlit	LCD1
125	1	Motor, Sprinkler Valve, Rain Bird APAS-100, 24VAC	M1
127	1	Relay, 1-Pole, 5V, 8A Max, JS-5M-K	K1
129	1	Microphone, 3-Pin, 5V	MIC1
131	1	Ferrite Bead, 600Ω, 200mA	FB1
133	1	Bridge Rectifier, 600Vrm, Shindengen S1ZB60, 30Ifsm	CR1
135	1	FET, 350V, 130mA, Clare CPC5602	Q1
137	1	Sidactor, 275V, Bourns TISP4350H3LM	SP1
139	2	Jack, Power Jack, 2-Pin, Female	J1,J2
141	1	Jack, BDM, 10-Pin, Male	J4
143	1	Jack, RJ-11, 4-Pin, Female	J3
145	1	Diode, Relay Surge Protection, 100V, 200mA, 1N4148	D1
147	1	Zener Diode, 3V, 500mA, 1N5225B-TP	Z1
149	1	Transistor, Relay Driver, NPN, PN2222A	Q2
151	1	IC, Voltage Regulator, LM2931-IBP, 3.3V	U10
153	1	IC, Voltage Translator, Maxim MAX3370	U11