

#2295

NightFire Electronic Kits

Bill Of Material for PIC Sound Activated Relay

Rev A

Item	Type	Description	Qty	Ref Des
1	IC	PIC12F509-I/P, Microprocessor	1	U2
2	IC	LM78L05, Volt Reg, TO-92	1	U1
3	IC Socket	8-pin, Low Profile	1	U2
4	Transistor	2N4401, NPN, TO-92	3	Q1, Q2, Q3
5	Capacitor	10uF, Aluminum Electrolytic	6	C1, C2, C3, C4, C5, C6
6	Diode	1N4004, 500v, 1 Amp	1	D1
7	LED	RED, T1 3/4	2	L1, L2
8	Microphone	Electret, Dual Band	1	
9	Potentiometer	10K, Single-Turn	1	VR1
10	Resistor	2.7K, 1/8 Watt, Carbon Film	2	R4, R5
11	Resistor	4.7K, 1/8 Watt, Carbon Film	6	R1, R2, R6, R7, R8, R9
12	Resistor	1M, 1/8 Watt, Carbon Film	1	R3
13	Relay	833 Series, PCB Mount	1	K1
14	Switch	Pushbutton, R/A, PCB Mount	2	S1, S2
15	Battery Clip	9v Snap, 2-wire	1	
16	PCB	PIC Sound Activated Relay, Rev A	1	