

**#2090**

**NightFire Electronic Kits**

**Bill Of Material for 12F509 Relay w 4 sw**

**Rev A**

<b>Item</b>	<b>Type</b>	<b>Description</b>	<b>Qty</b>	<b>Ref Des</b>
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	2	Q1, Q2
5	Capacitor	.15uF, Ceramic Disc	1	C1
6	Diode	1N4004, 500v, 1 Amp	1	D1
7	LED	RED, T1 3/4	1	L1
8	Resistor	150 Ohms, 1/8 Watt, Carbon Film	1	R6
9	Resistor	1.0K, 1/8 Watt, Carbon Film	2	R5, R7
10	Resistor	10K, 1/8 Watt, Carbon Film	4	R1, R2, R3, R4
11	Relay	833 Series, PCB Mount	1	K1
12	Switch	Pushbutton, R/A, PCB Mount	4	S1, S2, S3, S4
13	PCB	PIC Relay w Switches PCB, Rev A	1	