

#1735

NightFire Electronic Kits

Bill Of Material for Laser Pointer Relay Kit

Rev A

Item	Type	Description	Qty	Ref Des
1	IC	LM555, Timer, DIP-8	1	U1
2	IC	LM311, Voltage Comparator	1	U2
3	IC Socket	8-pin, Low Profile	2	U1, U2
4	Transistor	2N4401, NPN, TO-92	3	Q1, Q2, Q3
5	Capacitor	.01uF, Ceramic Disc	1	C1
6	Capacitor	.1uF, Ceramic Disc	3	C3, C4, C7
7	Capacitor	2.2uF, Aluminum Electrolytic	1	C2
8	Capacitor	47uF, Aluminum Electrolytic	1	C5
9	Capacitor	100uF, Aluminum Electrolytic	1	C6
10	Diode	1N4004, 500v, 1 Amp	2	D1, D2
11	LED	RED, T1 3/4	1	L1
12	LED	GREEN, T1 3/4	1	L2
13	Resistor	100 Ohms, 1/4 Watt, Carbon Film	1	R4
14	Resistor	470 Ohms, 1/4 Watt, Carbon Film	1	R6
15	Resistor	1K, 1/4 Watt, Carbon Film	2	R5, R10
16	Resistor	2.7K, 1/4 Watt, Carbon Film	3	R7, R11, R12
17	Resistor	3.3K Ohms, 1/4 Watt, Carbon Film	1	R9
18	Resistor	10K, 1/4 Watt, Carbon Film	2	R1, R8
19	Resistor	68K, 1/4 Watt, Carbon Film	1	R3

20	LDR	Light Dependent Resistor	1	R2
21	Potentiometer	22K, Single-Turn	1	VR1
22	Potentiometer	100K, Single-Turn	1	VR2
23	Relay	833 Series	1	RE1
24	Connector	Faston, Quick Connect, Male	3	
25	PCB	Laser Relay, Rev A	1	