

#4516

NightFire Electronic Kits

Bill Of Material for Arduino Temperature-Relays Shield Kit

Rev A

Item	Type	Description	Qty	Ref Des
1	Sensor	Temperature, AS35, TO-92	2	U1, U2
2	Transistor	2N4401, NPN, TO-92	2	Q1, Q2
3	Diode	1N4001	2	D1, D2
4	Capacitor	.15uF, Ceramic	2	C2, C4
5	Capacitor	1.0uF, Aluminum Electrolytic	2	C3, C5
6	Capacitor	120uF, Aluminum Electrolytic	1	C1
7	Resistor	75 Ohms, 1/4 Watt, Carbon Film	2	R5, R6
8	Resistor	1.0K, 1/4 Watt, Carbon Film	2	R7, R8
9	Resistor	2.7K, 1/4 Watt, Carbon Film	2	R1, R2
10	Resistor	4.7K, 1/4 Watt, Carbon Film	2	R3, R4
11	LED	Green, 5mm	2	L1, L2
12	Connector	Header, 6-pin, Male	1	
13	Connector	Header, 8-pin, Male	2	
14	Connector	Header, 10-pin, Male	1	
15	Connector	Screw Terminal, 2-pin	1	

16	Connector	Screw Terminal, 3-pin	2	
17	Relay	833H Series	2	Relay 1, Relay 2
18	Switch	2-Position, DIP-2	1	SW
19	PCB	Arduino Shield Temperature-Relays, R	1	