

Bill of Materials

filament-sentinel-as-microswitch

Part	Value	Device	Package	Description	Manufacturer Name	Manufacturer Part Number	Octopart Product Link
D1	S1G	S1G	DIOM5227X250N	ON Semi 400V 1A, Diode, 2-Pin DO-214AC S1G	ON Semiconductor	S1G	https://octopart.com/s1g-on+semiconductor-84331273
K1	DS1E-S-DC3V	DS1E-S-DC3V	DS1ESDC3V	Low Signal Relays - PCB 1 Form C, 3VDC 1 Form C 200mW Type	Panasonic	DS1E-S-DC3V	https://octopart.com/ds1e-s-dc3v-panasonic-689638
LED1	Red Smd LED 0603	LEDCHIP-LED0603	CHIP-LED0603	LED	Kingbright	APT1608LSECK/J3-PRV	https://octopart.com/ap1608lseck%2Fj3-prv-kingbright-56784107
Q1	BC848ALT1G	BC848ALT1G	SOT96P237X111-3N	ON SEMICONDUCTOR - BC848ALT1G - TRANSISTOR, NPN, 30V, 100MA, SOT-23-3	ON Semiconductor	BC848ALT1G	https://octopart.com/bc848alt1g-on+semiconductor-354396
R1	1k Ω	Smd Resistor 0805	R0805	RESISTOR	Yageo	RC0805FR-071KL	https://octopart.com/rc0805fr-071kl-yageo-40025555
R2	330 Ω	Smd Resistor 0806	R0805	RESISTOR	Yageo	RC0805FR-07330RL	https://octopart.com/rc0805fr-07330rl-yageo-41204914
X1	Filament Sentinel	22-23-2031	Header	Molex KK 254 PCB Header	Molex	22-23-2031	https://octopart.com/22-23-2031-molex-2587
X2	NO Connector	22-23-2021	Header	Molex KK 254 PCB Header	Molex	22-23-2021	https://octopart.com/22-23-2021-molex-650
X3	NC Connector	22-23-2021	Header	Molex KK 254 PCB Header	Molex	22-23-2021	https://octopart.com/22-23-2021-molex-650
X5	Power Connector	22-23-2031	Header	Molex KK 254 PCB Header	Molex	22-23-2031	https://octopart.com/22-23-2031-molex-2587