

lineinterrupter

Universal Interrupter Bill of Materials

Ref	Value
C1	10 uF 25 V electrolytic polarized radial capacitor
C2	220 uF 25 V electrolytic polarized radial capacitor
C3	0.01 uF 50 V ceramic disc capacitor
C4	0.1 uF 50 V ceramic disc capacitor
C5	0.01 uF 50 V ceramic disc capacitor
C6	0.01 uF 50 V ceramic disc capacitor
C7	0.1 uF 50 V ceramic disc capacitor
C8	0.01 uF 50 V ceramic disc capacitor
C9	47 nF 50 V ceramic disc capacitor
C10	0.1 uF 50 V ceramic disc capacitor
C11	0.1 uF 50 V ceramic disc capacitor
C12	470 nF 50 V ceramic disc capacitor
C13	0.1 uF 50 V ceramic disc capacitor
C14	1 uF 25 V electrolytic polarized radial capacitor
C15	0.1 uF 50 V ceramic disc capacitor
C16	0.01 uF 50 V ceramic disc capacitor
C17	4.7 uF 25 V electrolytic polarized radial capacitor
D1	LED (color of your choice)
D2	1N4007
D3	1N4007
D4	1N4148
D5	1N4148
D6	1N5819
D7	1N4148
D8	1N4007
D9	1N4007
D10	1N4007
D11	1N4007
D12	1N5227B
D13	1N5227B
D14	1N4148
D15	1N4148
J1	2.1mm Male Barrel Jack (PCB Mount)
J2/J3	SPST panel-mount switch soldered with wires through J2/J3
J4	3 pin 2.54 mm spacing header
J5	3 pin 2.54 mm spacing header
J10	2 position 5.0/5.04 mm spacing screw terminal block PCB mount
J11/J12/J13	SPDT panel switch soldered with wires through J11/J12/J13 (J12 pole)
J14	2 position 5.0/5.04 mm spacing screw terminal block PCB mount
J15	3 position 5.0/5.04 mm spacing screw terminal block PCB mount
J16	USB B PCB mount connector
J17/J18/J19	SPDT panel switch soldered with wires through J17/J18/J19 (J18 pole)
J20	2 by 3 pin 2.54 mm spacing header
OP1	IFE97 Industrial Fiber Optics

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R1	1k ¼ watt resistor
R2	10k ¼ watt resistor
R3	6.8k ¼ watt resistor
R4	1k ¼ watt resistor
R5	100k ¼ watt resistor
R6	220R ¼ watt resistor
R7	2.2k ¼ watt resistor
R8	10k ¼ watt resistor
R9	10k ¼ watt resistor
R10	1M ¼ watt resistor
R11	1k ¼ watt resistor
R12	10k ¼ watt resistor
R13	100R ¼ watt resistor
R14	1k ¼ watt resistor
R15	220R ¼ watt resistor
R16	10k ¼ watt resistor
R17	10k ¼ watt resistor
R18	22k ¼ watt resistor
R19	10k ¼ watt resistor
R20	1.5k ¼ watt resistor
R21	68R ¼ watt resistor
R22	68R ¼ watt resistor
R23	51R ¼ watt resistor
RV1	50k 17 mm PCB mount linear taper potentiometer
RV3	50k 17 mm PCB mount linear taper potentiometer
RV4	5k 17 mm PCB mount linear taper potentiometer
RV5	50k 17 mm PCB mount linear taper potentiometer
U1	L7809 TO-220 9 volt voltage regulator
U2	NE555 DIP-8 package
U3	NE555 DIP-8 package
U4	LM339 DIP-14 package
U5	ATTINY85-20PU DIP-14 package