

**General Notes:**

- The PCB contains two identical circuits separated by a vertical white line. Each value in the "Reference" column appears twice (2x) on the PCB. The "Total" column reflects this.
- The lamps should be enclosed in heatshrink tubing along with the adjacent LDR. See photo at the bottom of this document.

**Resistors (1/4 watt, +/- 5%)**

*Bridge the resistor values marked "link" with a piece of wire or similar.*

Value	Reference	Total	Description	Mouser # (or option)
10R	R11	2		660-MF1/4LCT52R100J
100R	R8	2		660-MF1/4LCT52R101J
1K	R13	2		660-MF1/4LCT52R102J
1k5	R5	2		660-MF1/4LCT52R152J
3k3	R10	2		660-MF1/4LCT52R332J
<i>link</i>	R15	2		
10K	R4, R6, R7, R9, R14	10		660-MF1/4LCT52R103J
33k	R3	2		660-MF1/4LCT52R333J
68K	R2	2		279-RR02J68KTB
100K	R1	2		660-MF1/4LCT52R104J
220K	R17, R18	4		279-RR01J220KTB
330K	R12	2		279-RR01J150KTB
LDR	PR1, PR2	4		485-161
B10K	R16	2	potentiometer	<a href="https://www.taydaelectronics.com/b10k-ohm-linear-taper-potentiometer-round-shaft-pc-mount-l.html">https://www.taydaelectronics.com/b10k-ohm-linear-taper-potentiometer-round-shaft-pc-mount-l.html</a>

## Capacitors

Value	Reference	Total	Description	Mouser # (or option)
2.2nf	C4	2		810-FG28C0G2A222JNT0
4.7nf	C2	2	film	810-FG28C0G2A472JRT6
22nf	C3	2		810-FG24C0G1H223JNT6
4.7uf	C1	2	axial	594-2222-021-28478
100uf	C5	2		598-107TMA050M

## Transistors

Value	Reference	Total	Description	Mouser # (or option)
2N3904	Q1, Q4	4		610-2N3904
2N3906	Q3, Q5	4		610-2N3906
J201	Q2	2		106-J201

## Miscellaneous

	Total	Description	Mouser # (or option)
Banana jacks (black)	2	Ext. CV inputs	530-108-0903-1
Switchcraft Tini Jax	6	Audio inputs, Audio outputs	502-41
Lamp	4		560-7373
Standoffs	4	14mm, M3	855-R30-3011402
Small Davies knobs	2		5164-1610AA
EDAC power connector	1	<i>optional</i>	587-306-50-010

## Mouser Cart

*\*NB: potentiometers, screws, EDAC power connector are not included in the Mouser Cart.*

*\*Some items may be backordered.*

<https://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=17af6d876f>



*This photo demonstrates how to encase the LDRs and lamps together in heatshrink tubing. It is not a photo of the actual module and is for illustrative purposes only.*

*The goal is to block light from entering the enclosed area.*