

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.

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

| Value | Reference | Total | Description | Mouser # (or option) |
|-------|---|-------|---------------|---|
| 10R | R18 | 2 | | 660-MF1/4LCT52R100J |
| 22R | R17 | 2 | | 660-MF1/4LCT52R220J |
| 100R | R40 | 2 | | 660-MF1/4LCT52R101J |
| 220R | R13, R21 | 4 | | 660-MF1/4LCT52R221J |
| 330R | R38 | 2 | | 660-MF1/4LCT52R331J |
| 1K | R25, R34, R39 | 6 | | 660-MF1/4LCT52R102J |
| 1K5 | R33 | 2 | | 660-MF1/4LCT52R152J |
| 2K2 | R16 | 2 | | 660-MF1/4LCT52R222J |
| 3K3 | R14 | 2 | | 660-MF1/4LCT52R332J |
| 4K7 | R12, R32 | 4 | | 660-MF1/4LCT52R472J |
| 6K8 | R26 | 2 | | 660-MF1/4LCT52R682J |
| 10K | R3, R4, R6, R8, R9, R19, R28, R29, R30, R31 | 20 | | 660-MF1/4LCT52R103J |
| 22K | R2, R10, R11, R22 | 8 | | 660-MF1/4LCT52R223J |
| 33K | R15 | 2 | | 660-MF1/4LCT52R333J |
| 47K | R5, R7, R20, R23, R27 | 10 | | 660-MF1/4LCT52R473J |
| 100K | R1, R24 | 4 | | 660-MF1/4LCT52R104J |
| A50K | R36 | 2 | potentiometer | https://www.taydaelectronics.com/ddup-50k-ohm-logarithmic-taper-potentiometer-round-shaft-pc-mount.html |
| A250K | R35, R37 | 4 | potentiometer | https://www.taydaelectronics.com/250k-ohm-logarithmic-taper-potentiometer-round-shaft-pc-mount-41.html |

Capacitors

| Value | Reference | Total | Description | Mouser # (or option) |
|-------|-----------|-------|--------------|----------------------|
| 910pf | C1, C2 | 4 | | 594-2222-375-10911 |
| 100nf | C4 | 2 | | 810-FA16C0G1H10400 |
| 1uf | C3 | 2 | tantalum | 581-TAP105K025CRS |
| 15uf | C5 | 2 | tantalum | 581-TAP156K016SCS |
| 100uf | C6 | 2 | electrolytic | 80-ESH107M025AE3AA |

Transistors

| Value | Reference | Total | Description | Mouser # (or option) |
|--------|---|-------|-------------|----------------------|
| 2N3904 | Q1, Q2, Q3, Q4, Q6, Q8, Q10, Q12, Q13, Q14 | 20 | | 610-2N3904 |
| 2N3906 | Q5, Q7, Q9, Q11 | 8 | | 610-2N3906 |

Miscellaneous

| | Total | Description | Mouser # (or option) |
|----------------------|-------|----------------------|------------------------|
| Banana jacks (black) | 4 | Outputs | 530-108-0903-1 |
| Banana jacks (red) | 2 | Trigger inputs | 530-108-0902-1 |
| SPDT ON-(NONE)-ON | 2 | Note Duration switch | 633-M201203 |
| Standoffs | 4 | 14mm, M3 | 855-R30-3011402 |
| Small Davies knobs | 6 | | 5164-1610AA (or Thonk) |
| 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=520bc30151>