

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

| Value | Reference | Total | Description | Mouser # (or option) |
|-------|---|-------|--------------------|---|
| 100R | R32, R42, R51, R60, R69, R78, R87, R96 | 8 | | 660-MF1/4LCT52R101J |
| 150R | R15 | 1 | | 660-MF1/4LCT52R151J |
| 220R | R19, R20, R24, R25, R29, R30 | 6 | | 660-MF1/4LCT52R221J |
| 470R | R17, R22, R27, R31, R36, R41, R45, R50, R54, R59, R63, R68, R72, R77, R81, R86, R90, R95, R99 | 19 | | 660-MF1/4LCT52R471J |
| 680R | R9, R14 | 2 | | 71-CCF07680RJKE36 |
| 1K | R10 | 1 | | 660-MF1/4LCT52R102J |
| 1K5 | R13 | 1 | | 660-MF1/4LCT52R152J |
| 2K2 | R37, R46, R55, R64, R73, R82, R91, R100 | 8 | | 660-MF1/4LCT52R222J |
| 3K3 | R7, R12 | 2 | | 660-MF1/4LCT52R332J |
| 4K7 | R18, R23, R28 | 3 | | 660-MF1/4LCT52R472J |
| 6K8 | R8 | 1 | | 660-MF1/4LCT52R682J |
| 10K | R3, R4, R5, R16, R21, R26 | 6 | | 660-MF1/4LCT52R103J |
| 15K | R6, R11 | 2 | | 71-CCF0715K0JKE36 |
| 22K | R2, R34, R35, R43, R44, R52, R53, R61, R62, R70, R71, R79, R80, R88, R89, R97, R98 | 17 | | 660-MF1/4LCT52R223J |
| 100K | R1 | 1 | | 660-MF1/4LCT52R104J |
| B10K | R38, R39, R40, R47, R48, R49, R56, R57, R58, R65, R66, R67, R74, R75, R76, R83, R84, R85, R92, R93, R94, R101, R102, R104 | 24 | potentiometer, 9mm | https://www.taydaelectronics.com/10k-ohm-linear-taper-potentiometer-round-shaft-pcb-9mm.html |

Capacitors

| Value | Reference | Total | Description | Mouser # (or option) |
|-------|-------------------------------------|-------|-----------------|----------------------|
| 47pf | C1 | 1 | 5MM LS, CERAMIC | 75-1C20C0G470J050B |
| 1nf | C2, C3, C4, C5, C6, C7, C8, C9, C10 | 9 | 5MM LS, CERAMIC | 75-1C20C0G102J050B |

Diodes

| Value | Reference | Total | Description | Mouser # (or option) |
|-------|-----------|-------|-------------------------------|----------------------------|
| 1N457 | D1-D32 | 32 | | 512-1N457 |
| Lamp | L1-L8 | 8 | Panel-mounted step indicators | 645-6123132130F |

Transistors

| Value | Reference | Total | Description | Mouser # |
|--------|---|-------|-------------|------------|
| 2N3904 | Q1, Q2, Q4, Q5, Q7, Q9, Q11, Q13, Q15, Q17, Q19, Q21, Q23, Q25, Q27, Q29, Q31, Q33, Q35, Q37, Q39, Q41, Q43 | 23 | | 610-2N3904 |
| 2N3906 | Q3, Q6, Q8, Q10, Q12, Q14, Q16, Q18, Q20, Q22, Q24, Q26, Q28, Q30, Q32, Q34, Q36, Q38, Q40, Q42 | 20 | | 610-2N3906 |

Miscellaneous

| | Total | Description | Mouser # (or option) |
|----------------------|-------|-----------------|------------------------|
| Banana jacks (black) | 6 | | 530-108-0903-1 |
| Banana jacks (red) | 9 | | 530-108-0902-1 |
| Rotary switch | 1 | | 105-SR2611F-17-18NS |
| Standoffs | 4 | | 855-R30-3011002 |
| Small Davies knobs | 24 | | 5164-1610AA (or Thonk) |
| Davies pointer knob | 1 | | 5164-2300BT |
| EDAC power connector | 1 | <i>optional</i> | 587-306-50-010 |

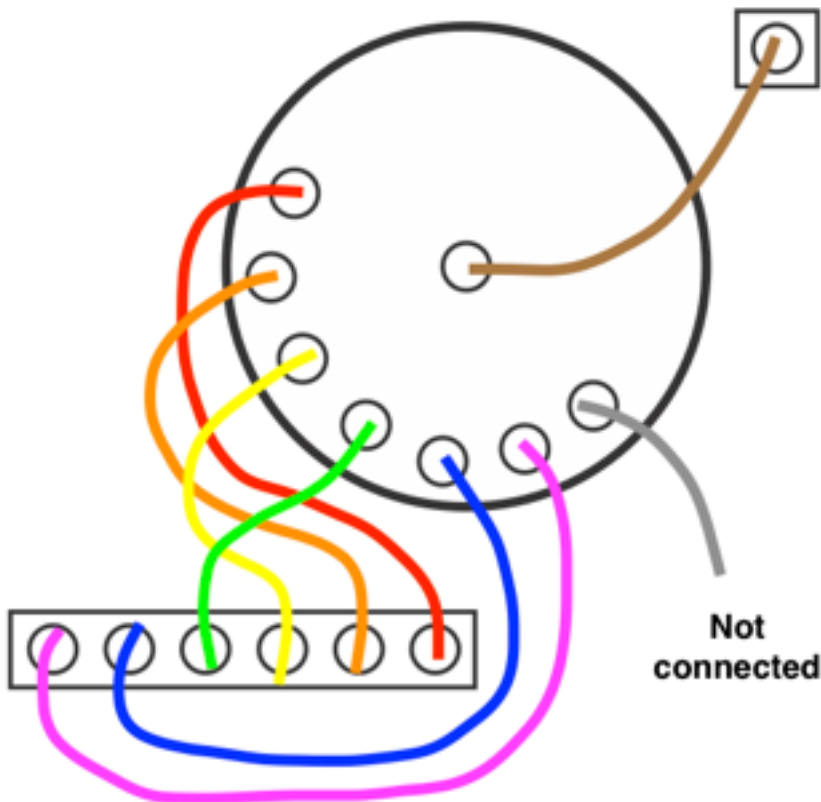
Mouser Cart

**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=f146b7ea4f>

Rotary Switch Wiring Diagram



Row "C" potentiometers:

Certain brands (Alpha, etc.) of 9mm potentiometers need to be modified in order to avoid potential problems with Row "C" voltage output. If the potentiometer you are using has 2 support tabs on the underside of the body, remove them.

