

| Notes | project part#s | Part Name | Quantity | cost per unit | Total \$/qty | Mouser Part Number | DIGIKEY Part Number | Thonk Part Number | OSH Park | Adafruit | McMaster-Carr | PJRC |
|-------------------------------------|----------------|------------------------------------|----------|---------------|--------------|--------------------------------------|-------------------------------|--|---------------------|---|---|--|
| | | | | | 1 | | | | | | | |
| | | 100Ω | 4 | 0.012 | 0.048 | 603-CFR-25JR-52100R | | | | | | |
| | | 100kΩ | 12 | 0.018 | 0.216 | 270-100K-RC | | | | | | |
| | | 33kΩ | 4 | 0.13 | 0.52 | 299-33K-RC | | | | | | |
| | | 68kΩ | 8 | 0.02 | 0.16 | 588-QJ6835E-R52 | | | | | | |
| for LED | | 220Ω | 1 | 0.1 | 0.1 | 603-CFR-25JR-52220R | | | | | | |
| | | LED | 1 | 0.12 | 0.12 | 859-LTL-4254 | | | | | | |
| | | 2n2222 or 3904 | 4 | 0.23 | 0.92 | 512-PN2222ATF | | | | | | |
| | | 14-pin DIP IC socket | 4 | 0.14 | 0.56 | 571-1-2199298-3 | | | | | | |
| | | 13-pin female header | 2 | 0.88 | 1.76 | | S7046-ND | | | | | |
| | | 7-pin female header | 5 | 0.61 | 3.05 | | S7040-ND | | | | | |
| | | 5-pin female header | 7 | 0.443 | 3.101 | | S6103-ND | | | | | |
| | | 20 position male pin header strips | 2 | 0.46 | 0.92 | | S1011EC-20-ND | | | | | |
| | | 6004 Quad Op Amp | 2 | 0.53 | 1.06 | 579-MCP6004-I/P | | | | | | |
| | | MCP4922 12-bit dual DAC | 2 | 3.15 | 6.3 | 579-MCP4922-E/P | | | | | | |
| | | 10kΩ Potentiometer | 4 | 0.78 | 3.12 | 652-PTV09A4020SB104 | | | | | | |
| | | 1/8" Thonkiconn Jacks with nuts | 12 | 0.46 | 5.52 | | | Thonkiconn Jacks (PJ301M-12) | | | | |
| | | Sparkfun Teensy 3.x header kit | 1 | 1.5 | 1.5 | 474-PRT-13925 | | | | | | |
| | | Teensy 3.2 | 1 | 22.5 | 22.5 | 474-DEV-13736 | | | \$17 from OSH Park | | | \$19.50 directly from PJRC |
| | | Capacitor - .1µF (100nF) | 1 | 0.1 | 0.1 | 594-K104K15X7RF5UH5 | | | | | | |
| | | Capacitor - .33µF | 1 | 0.2 | 0.2 | 810-FG18X7R1H334KRT0 | | | | | | |
| | | 78105 - 5v regulator | 1 | 0.301 | 0.301 | 512-LM78L05ACZ | | | | | | |
| Optional | | MicroUSB B breakout (Adafruit) | 1 | 1.35 | 1.35 | 485-1833 | | | | https://www.adafruit.com/product/1833 | | |
| needed for front-plate USB Breakout | | 5-pin right-angle male header | 1 | | | | 609-4304-ND | | | | | |
| | | | | | | | | | | | | |
| | | 10mm M3 male-female standoff | 2 | 0.54 | 1.08 | 855-R30-3001002 | | | | | https://www.mcmaster.com/#93655A102 | |
| | | M3 Screws | 5 | 0.21 | 1.05 | 534-9191-3 | | | | | | |
| can't find on Mouser | | M3 nut | 1 | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | TOTAL | | | 55.556 | | | | | | | |
| | | Total PER UNIT (excluding PCB) | | | 55.556 | | | | | | | |
| | | | | | | | | | | | | |
| PCB PRICES FROM OSH PARK | | | | | | | | | | | | |
| | | DAC PCB | 1 | 6.5 | 6.5 | | | | Order from OSH Park | | | |
| | | Interface PCB | 1 | 6.5 | 6.5 | | | | Order from OSH Park | | | |