

Batch Size: 1

| Qty | Designator | Value | Manufacturer | Manufacturer's Part # | Package | Vendor Part # | Price Each | Price Per Board | Cost/batch |
|---------------------------------|---------------------------------|------------------------|-----------------------|-----------------------|-----------|--------------------------------------|------------|-----------------|------------|
| SURFACE MOUNT COMPONENTS | | | | | | | | | |
| 2 | C1, C3 | 1uF | Samsung | CL21B105KBFNNNE | C0805 | C28323 | \$ 0.0103 | \$ 0.021 | \$ 0.0206 |
| 1 | C2 | .1uF | YAGEO | CC0805KRX7R9BB104 | C0805 | C49678 | \$ 0.0053 | \$ 0.005 | \$ 0.0053 |
| 1 | C4 | 10uF | AVX | TAJA106K016RNJ | A/3216-18 | C7171 | \$ 0.1580 | \$ 0.158 | \$ 0.1580 |
| 1 | D1 | SS34 | MDD | SS34 | SMA | C8678 | \$ 0.0227 | \$ 0.023 | \$ 0.0227 |
| 5 | LED1, LED2, LED3, LED4, LED Red | | Foshan NationSt | NCD0805R1 | LED_0805 | C84256 | \$ 0.0190 | \$ 0.095 | \$ 0.0950 |
| 1 | Q1 | MOSFET N CH | Alpha & Omega | AO3400A | SOT23 | C20917 | \$ 0.0041 | \$ 0.004 | \$ 0.0041 |
| 1 | R1, R9, R11 | 10K Resistor | Uniroyal Elec | 0805W8F1002T5E | R0805 | C17414 | \$ 0.0016 | \$ 0.002 | \$ 0.0016 |
| 1 | R2 | 18K Resistor | Uniroyal Elec | 0805W8F1802T5E | R0805 | C17506 | \$ 0.0020 | \$ 0.002 | \$ 0.0020 |
| 1 | R3 | 4.7K Resistor | Uniroyal Elec | 0805W8F4701T5E | R0805 | C17673 | \$ 0.0020 | \$ 0.002 | \$ 0.0020 |
| 4 | R4, R5, R6, R7 | 330 Resistor | Uniroyal Elec | 0805W8F3300T5E | R0805 | C17630 | \$ 0.0020 | \$ 0.008 | \$ 0.0080 |
| 1 | R8 | 47R Resistor | Uniroyal Elec | 0805W8F470JT5E | R0805 | C17714 | \$ 0.0028 | \$ 0.003 | \$ 0.0028 |
| 1 | R10 | 1K2 Resistor | Uniroyal Elec | 0805W8F1201T5E | R0805 | C17379 | \$ 0.0020 | \$ 0.002 | \$ 0.0020 |
| 1 | U1 | 5V Reg | TI | LP2985-50DBVR | SOT25 | C74511 | \$ 0.1891 | \$ 0.189 | \$ 0.1891 |
| 1 | U2 | ATTINY Microcontroller | Atmel | ATTINY1604-SSNR | SOIC-14 | ATTINY1604-SSNRTR-ND | \$ 0.6400 | \$ 0.640 | \$ 0.6400 |
| THRU HOLE COMPONENTS | | | | | | | | | |
| 2 | H1, H4 | 2.1 x 5.5mm DC Jack | CUI | PJ-066A | | CP-066A-ND | \$ 1.9368 | \$ 3.874 | \$ 3.8736 |
| 1 | LP1 | Quad Lightpipe | DIALIGHT | 5151020F | | 350-2166-ND | \$ 1.7300 | \$ 1.730 | \$ 1.7300 |
| 2 | BATT+, BATT- | Battery Tabs | TE Connectivity | 1217754-1 | | A112005-ND | \$ 0.2500 | \$ 0.500 | \$ 0.5000 |
| 1 | POT1 | Pot w/switch | TT Electronics | P091S-FC20BR10K | | 858-P091SFC20BR10K | \$ 1.2960 | \$ 1.296 | \$ 1.2960 |
| DO NOT POPULATE/OPTIONAL | | | | | | | | | |
| 1 | H3 | DO NOT POPULATE | Expansion Port | | | | | | |
| 1 | UPDI | DO NOT POPULATE | UPDI Programming Port | | | | | | |

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|------------------------|----|-------|----|-------|
| JLC Component Cost | \$ | 0.513 | \$ | 0.513 |
| Digikey Component Cost | \$ | 6.744 | \$ | 6.744 |
| MOUSER Component Cost | \$ | 1.296 | \$ | 1.296 |

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|--|----|------|----|------|
| | \$ | 1.03 | \$ | 1.03 |
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| JLCPCB Component Cost | \$ | 0.513 | \$ | 0.513 |
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