

Bill of Materials

| Component | Description | Quantity | Cost per unit (USD) |
|--------------------|--|----------|---------------------|
| CC0201JRNPO9BN220 | Capacitor Ceramic SMD – 22pF 5% | 1 | 0.01 |
| 08051A180JAT2A | Capacitor Ceramic SMD – 18pF 5% | 2 | 0.16 |
| TPSB107K004R0250 | Capacitor Tantalum SMD – 100uF 10% | 2 | 0.8 |
| TPME108K004R0018 | Capacitor Tantalum SMD – 1000uF | 1 | 5.69 |
| 0805ZD106KAT2A | Capacitor Ceramic SMD – 10uF | 1 | 0.48 |
| CC1206KKX7R0BB104 | Capacitor Ceramic SMD – 0.1uF | 2 | 0.2 |
| TPSA474K025R7000 | Capacitor Tantalum SMD – 470nF | 1 | 1.05 |
| ZHCS500TA | Schottky Diode SMD | 1 | 0.47 |
| HSMR-C265 | LED SMD | 5 | 0.91 |
| Keystone3517 | Fuse | 1 | 0.27 |
| SN74LVC1G07 | Single Buffer/Driver With Open-Drain Output | 1 | 0.81 |
| DCJ200-10-A-K1-K | Barrel-Jack Horizontal Connector | 1 | 0.27 |
| M50-3500842 | Pin Header 2x08 Vertical | 1 | 1.63 |
| 231-348/001-000 | Pin Header 1x01 Vertical | 2 | - |
| DS1095-WNR0 | USB A Connector | 1 | 0.936 |
| 10104110-0001LF | MicroUSB B Connector | 1 | 0.78 |
| 3631B101LL | Inductor SMD – 100uH | 1 | 1.58 |
| PTS636 SP43 LFS | Push Button | 2 | 0.1 |
| MMBT3906 | PNP Switching transistor | 1 | 0.02 |
| 7A-24.000MAAJ-T | Crystal SMD – 24MHz | 1 | 0.72 |
| RL73K3AR10J | Resistor SMD – 0.1 5% | 1 | 0.64 |
| CRGCQ0402J10K | Resistor SMD – 10K 5% | 9 | 0.1 |
| SMF539KJT | Resistor SMD – 39K 5% | 1 | 0.99 |
| 3520470RJT | Resistor SMD – 500 5% | 1 | 0.42 |
| CRGCQ0402J100K | Resistor SMD – 100K 5% | 6 | 0.1 |
| CRGCQ0805J1K0 | Resistor SMD – 1K 5% | 1 | 0.1 |
| ERJ-U08F1004V | Resistor SMD – 1M 1% | 1 | 0.25 |
| TLVH431AQDBZR | Low-Voltage Adjustable Precision Shunt Regulator | 1 | 0.73 |
| OSD3358-512M-BSM | OSD335x System-in-Package | 1 | 43.73 |
| LM1117MPX-ADJ/NOPB | Linear Regulator | 1 | 1.1 |
| LM2576HVS-5.0/NOPB | Switcher Step-Down Voltage Regulator | 1 | 6.57 |
| 1660 | MicroSD | 1 | 1.95 |
| 24LC32AF-I/ST | EEPROM | 1 | 0.4 |
| TPS3831K50DQNR | Ultralow Power, Supply Voltage Monitor | 1 | 0.36 |
| PCF8883T/1,118 | Capacitive touch/proximity switch | 1 | 1.43 |