

| Part Name/Description | Unit Quantity | Unit Prototype Cost | Total Prototype Cost | Unit Production Cost | Total Production Cost | Manufacturer | Manufacturer Part # | Vendor Link | Datasheet Link | Supplier | Supplier Part # | # Ordered | Date Ordered | # Received | Surplus | Schematic Reference Designators |
|-----------------------|---------------|---------------------|----------------------|----------------------|-----------------------|--------------|---------------------|-------------|----------------|----------|-----------------|-----------|--------------|------------|---------|---------------------------------|
|-----------------------|---------------|---------------------|----------------------|----------------------|-----------------------|--------------|---------------------|-------------|----------------|----------|-----------------|-----------|--------------|------------|---------|---------------------------------|

| Active Circuit Elements               |    |         |         |        |        |                      |                       |   |   |             |                               |     |     |     |                                   |
|---------------------------------------|----|---------|---------|--------|--------|----------------------|-----------------------|---|---|-------------|-------------------------------|-----|-----|-----|-----------------------------------|
| PIC18F26Q10 MCU                       | 3  | \$1.16  | \$3.48  | \$0.00 | \$0.00 | Microchip            | PIC18F26Q10-I/SO      | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www1.microchip.com">https://www1.microchip.com</a>             | DigiKey     | PIC18F26Q10-I/SO-ND           | N/A | N/A | N/A | #VALUE! U1                        |
| VL53L0CD ToF distance sensor          | 4  | \$4.01  | \$16.04 | \$0.00 | \$0.00 | STMicroelectronics   | VL53L0CDV00H1         | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.st.com/tes">https://www.st.com/tes</a>                     | DigiKey     | 497-VL53L0CDV00H1CT-ND        | N/A | N/A | N/A | #VALUE! SEN1, SEN2, SEN3          |
| TXS0102 Voltage level translator      | 4  | \$0.49  | \$1.96  | \$0.00 | \$0.00 | Texas Instruments    | TXS0102DCT            | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.ti.com/lin">https://www.ti.com/lin</a>                     | DigiKey     | 296-TXS0102DCT-ND             | N/A | N/A | N/A | #VALUE! VTL1, VTL2, VTL3          |
| LM2575 Adjustable switching regulator | 3  | \$3.92  | \$11.76 | \$0.00 | \$0.00 | Texas Instruments    | LM2575SS-ADJ-NOPB     | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.ti.com/lin">https://www.ti.com/lin</a>                     | DigiKey     | 296-LM2575SS-ADJ-NOPBCT-ND    | N/A | N/A | N/A | #VALUE! SW1, SW2                  |
| Green LED                             | 2  | \$0.14  | \$0.28  | \$0.00 | \$0.00 | Würth Elektronik     | 150060GS75000         | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.we-online.com">https://www.we-online.com</a>               | DigiKey     | 732-4971-1-ND                 | N/A | N/A | N/A | #VALUE! D1                        |
| Red LED                               | 2  | \$0.14  | \$0.28  | \$0.00 | \$0.00 | Würth Elektronik     | 150060RS75000         | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.we-online.com">https://www.we-online.com</a>               | DigiKey     | 732-4971-1-ND                 | N/A | N/A | N/A | #VALUE! D2                        |
| Tactile pushbutton switch             | 3  | \$0.17  | \$0.51  | \$0.00 | \$0.00 | Same Sky             | TS04-66-70-BK-160-SMT | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.sameskyd.com">https://www.sameskyd.com</a>                 | DigiKey     | 2223-TS04-66-70-BK-160-SMT-ND | N/A | N/A | N/A | #VALUE! U1                        |
| Passive Circuit Elements              |    |         |         |        |        |                      |                       |   |   |             |                               |     |     |     |                                   |
| Resistors                             |    |         |         |        |        |                      |                       |   |   |             |                               |     |     |     |                                   |
| Resistor 1K OHM 1% 1/10W 0603         | 15 | \$0.01  | \$0.15  | \$0.00 | \$0.00 | YAGEO                | RC0603FR-131KL        | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.yageo.com">https://www.yageo.com</a>                       | DigiKey     | 13-RC0603FR-131KLCT-ND        | N/A | N/A | N/A | #VALUE! R3, R4, R5, R11, R13, R15 |
| Resistor 10K OHM 1% 1/10W 0603        | 10 | \$0.01  | \$0.09  | \$0.00 | \$0.00 | YAGEO                | RC0603FR-1310KL       | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.yageo.com">https://www.yageo.com</a>                       | DigiKey     | 13-RC0603FR-1310KLCT-ND       | N/A | N/A | N/A | #VALUE! R7, R8, R9, R10           |
| Resistor 3.6K OHM 5% 1/10W 0603       | 10 | \$0.01  | \$0.13  | \$0.00 | \$0.00 | YAGEO                | RC0603JR-103KL        | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.yageo.com">https://www.yageo.com</a>                       | DigiKey     | 13-RC0603JR-103KLCT-ND        | N/A | N/A | N/A | #VALUE! R1, R2                    |
| Resistor 220 OHM 1% 1/4W 1206         | 10 | \$0.02  | \$0.19  | \$0.00 | \$0.00 | YAGEO                | RC1206FR-10220RL      | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.yageo.com">https://www.yageo.com</a>                       | DigiKey     | 13-RC1206FR-10220RLCT-ND      | N/A | N/A | N/A | #VALUE! R6                        |
| Resistor 47K OHM 1% 1/4W 1206         | 10 | \$0.02  | \$0.17  | \$0.00 | \$0.00 | YAGEO                | RC1206FR-0747KL       | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.yageo.com">https://www.yageo.com</a>                       | DigiKey     | 311-47.0K6FRCT-ND             | N/A | N/A | N/A | #VALUE! R12                       |
| Resistor 1.2K OHM 1% 1/4W 1206        | 10 | \$0.02  | \$0.18  | \$0.00 | \$0.00 | YAGEO                | RC1206FR-071K2L       | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.yageo.com">https://www.yageo.com</a>                       | DigiKey     | 311-1.20KFRCT-ND              | N/A | N/A | N/A | #VALUE! R14 (first half)          |
| Resistor 82 OHM 5% 1/4W 1206          | 10 | \$0.02  | \$0.21  | \$0.00 | \$0.00 | YAGEO                | RC1206JR-0782RL       | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.yageo.com">https://www.yageo.com</a>                       | DigiKey     | 311-82ERCT-ND                 | N/A | N/A | N/A | #VALUE! R14 (second half)         |
| Resistor 1.5K OHM 1% 1/4W 1206        | 10 | \$0.02  | \$0.21  | \$0.00 | \$0.00 | YAGEO                | RC1206FR-101K5L       | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.yageo.com">https://www.yageo.com</a>                       | DigiKey     | 13-RC1206FR-101K5LCT-ND       | N/A | N/A | N/A | #VALUE! R16 (first half)          |
| Resistor 200 OHM 1% 1/10W 0402        | 10 | \$0.03  | \$0.29  | \$0.00 | \$0.00 | Panasonic Electronic | ERJ-2RKF2000X         | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://industrial.panasonic.com">https://industrial.panasonic.com</a> | DigiKey     | P200LCT-ND                    | N/A | N/A | N/A | #VALUE! R16 (second half)         |
| Capacitors                            |    |         |         |        |        |                      |                       |   |   |             |                               |     |     |     |                                   |
| Capacitor CER 0.1UF 50V XSR 0402      | 10 | \$0.02  | \$0.20  | \$0.00 | \$0.00 | Murata Electronics   | GRM155R61H104KE14D    | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://search.murata.com">https://search.murata.com</a>               | DigiKey     | 490-10697-1-ND                | N/A | N/A | N/A | #VALUE! C1, C2, C3, C4, C5        |
| Capacitor CER 4.7UF 50V X7R 1206      | 3  | \$0.70  | \$2.10  | \$0.00 | \$0.00 | Murata Electronics   | GRM31CR71H475MA12L    | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://search.murata.com">https://search.murata.com</a>               | DigiKey     | 490-6522-1-ND                 | N/A | N/A | N/A | #VALUE! C6                        |
| Capacitor CER 100UF 6.3V X6T 1206     | 4  | \$0.43  | \$1.72  | \$0.00 | \$0.00 | Murata Electronics   | GRM31CD8Q107MEABK     | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.murata.co.jp">https://www.murata.co.jp</a>                 | DigiKey     | 490-GRM31CD8Q107MEABKCT-ND    | N/A | N/A | N/A | #VALUE! C7, C9                    |
| Capacitor CER 330UF 4V X5R 1210       | 4  | \$1.74  | \$6.96  | \$0.00 | \$0.00 | Murata Electronics   | GRM32ER60G337ME05K    | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://search.murata.com">https://search.murata.com</a>               | DigiKey     | 490-GRM32ER60G337ME05KCT-ND   | N/A | N/A | N/A | #VALUE! C8, C10                   |
| Inductors                             |    |         |         |        |        |                      |                       |   |   |             |                               |     |     |     |                                   |
| Fixed Inductor 330UH 700MA 1.15OHM SM | 3  | \$1.94  | \$5.82  | \$0.00 | \$0.00 | Würth Elektronik     | 74456233              | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.we-online.com">https://www.we-online.com</a>               | DigiKey     | 732-14072-1-ND                | N/A | N/A | N/A | #VALUE! L1, L2                    |
| Diodes                                |    |         |         |        |        |                      |                       |   |   |             |                               |     |     |     |                                   |
| Diode Schottky 40V 1A SOD123          | 4  | \$0.30  | \$1.20  | \$0.00 | \$0.00 | Diodes Incorporated  | 1N5819HWQ-7-F         | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.diodes.com">https://www.diodes.com</a>                     | DigiKey     | 31-1N5819HWQ-7-FCT-ND         | N/A | N/A | N/A | #VALUE! D3, D4                    |
| Barrel Jack-S                         |    |         |         |        |        |                      |                       |   |   |             |                               |     |     |     |                                   |
| PWR Jack 2.5X5 5MM SOLDER             | 2  | \$1.62  | \$3.24  | \$0.00 | \$0.00 | Würth Elektronik     | 694108106102          | <a href="https://www.digikey.com">https://www.digikey.com</a> | <a href="https://www.we-online.com">https://www.we-online.com</a>               | DigiKey     | 732-5933-1-ND                 | N/A | N/A | N/A | #VALUE! BU1                       |
| Fuses                                 |    |         |         |        |        |                      |                       |   |   |             |                               |     |     |     |                                   |
| Fuse 750 mA                           | 4  | \$0.00  | \$0.00  | \$0.00 | \$0.00 | Bel Fuse Inc.        | 3SB 750-R             | N/A   | N/A   | Peralta 109 | N/A                           | N/A | N/A | N/A | #VALUE! X1, X2, X3, X4            |
| TOTAL PRICE:                          |    | \$57.17 |         |        |        |                      |                       |   |   |             |                               |     |     |     |                                   |