









| ine # Name | Description | Designator | Revision ID | Revision State | Quantity LCSC Part # | Footprint | Manufacturer 1 | Manufacturer Part Number 1 | Manufacturer Lifecycle 1 | Supplier 1 | Supplier Part Number 1 | Supplier Unit Price 1 Supp | lier Subtotal 1 |
|---------------------|---|--|-------------|----------------------------|----------------------|----------------------------|------------------------|----------------------------|-----------------------------------|------------|------------------------|----------------------------|-----------------|
| 100nF | | C5, C11, C12, C14, C15, C16, C17, C18, C20, C21, C24, C27, C30, C31, C34 | | Not managed | 15 C14663 | CAPC160X80X90L35N | Yageo | CC0603KRX7R9BB104 | Volume Production | Mouser | 603-CC603KRX7R9BB104 | 0,049 | 0,735 |
| 10k | | R1, R2, R3, R10, R11, R12, R13, R14, R15, R17, R22, R23, R24 | | Not managed | 13 C25804 | RESC160X80X90L30N | Uniroyal | 0603WAF1002T5E | | | | | |
| 22uF | | C9, C25, C28, C29, C32, C35, C36, C37 | | Not managed | 8 C45783 | CAPC200X125X110L50N | Samsung | CL21A226MAQNNNE | Volume Production | LCSC | C45783 | 0,04514 | 0,45143 |
| 10nF | | C3. C4. C6. C7. C23 | | Not managed | 5 C57112 | CAPC160X80X90L35N | Hitano | 0603B103K500NT-ROHS | Volume Production | | | -, | -, |
| 1uF | | C10, C13, C19, C22 | | Not managed | 4 C15849 | CAPC160X80X90L35N | Murata | GRM21BR71H105KA12L | Not Recommended for New Design | LCSC | C77083 | 0,05473 | 0,54729 |
| 1.8k | | R4. R5. R7. R8 | 1 | Not managed | 4 C4177 | RESC160X80X90L30N | Uniroyal | 0603WAF1801T5E | New Design | | | | |
| 180 | + | R6. R9. R16 | | Not managed Not managed | 3 C22828 | RESC160X80X90L30N | Uniroyal | 0603WAF1800T5E | | | | | |
| 10uF | | C26, C33 | | Not managed | 2 C15850 | CAPC200X125X110L50N | Samsung | CL21A106KAYNNNE | Volume Production | Mouser | 187-CL21A106KAYNNNE | 0.19 | 0,38 |
| 19-217/GHC-YR1S2/3T | Green LED | DS1, DS2 | | Not managed | 2 C72043 | LEDC160X80X60L30N | Everlight | 19-217/GHC-YR1S2/3T | Not Recommended for New Design | Mouser | 638-19217GHCYR1S23T | 0,55 | 1, |
| 20pf | + | C1, C2 | | Not managed | 2 C1648 | CAPC160X80X90L35N | Samsung | CL10C200JB8NNNC | Volume Production | Mouser | 187-CL10C200JB8NNNC | 0.1 | 0,2 |
| Switch | Switch | S1, S2 | | Not managed | 2 01040 | Tactile switch | Omron | B3SL-1022P | Volume Production | LCSC | C86708 | 0.36322 | 0,7264 |
| | SWILLII | P3, P5 | | Not managed | 2 | TWO PADS | Official | B33L-1022P | volume Production | LUSU | C00700 | 0,36322 | 0,72043 |
| TWO PADS for TEC | | P3, P5 | | Not managed | 2 | TWO PADS | | | | | | | |
| #NAME? | Aluminum Electrolytic Capacitor, 22 uF, +/- 20%, 25 V, 2-Pin SMD (Size Code C), -55 to 105 degC, RoHS, Tape and Reel | | | Unknown server | 1 C249771 | PNSC-FP-V-C_V | Panasonic | EEE-FP1E220AR | Volume Production | Mouser | 667-EEE-FP1E220AR | 0,41 | 0,41 |
| 0.033 | | R19 | | Not managed | 1 C127689 | RESC200X125X70L40N | Uniroyal | 0805W8F330MT5E | | | | | |
| 0.1 | | R20 | | Not managed | 1 C25334 | RESC310X152X65L45N | Uniroyal | 1206W4F100LT5E | | | | | |
| 3.3uH | Inductor | L3 | | Not managed | 1 C280586 | INDM730X660X300L160X290N | Yageo | MHCI06030-3R3M-R8A | | | | | |
| 8Mhz | Crystal Oscillator | Y1 | | Not managed | 1 C115962 | 5032 | YXC | X50328MSB2GI | | LCSC | C115962 | 0,1634 | 0,1634 |
| 68uH | Inductor | L2 | | Not managed | 1 C169377 | INDM1250X1250X800L290X540N | Sunlord | SWRB1207S-680MT | | LCSC | C169377 | 0,5679 | 0,5679 |
| 75k | | R21 | | Not managed | 1 C46216 | RESC160X80X90L30N | Uniroyal | 0805W8F250LT5F | | | | | |
| 100uH | Inductor | L1 | | Not managed | 1 C68035 | INDC210X125X100L50N | TDK EPCOS | MLF2012C101KT000 | Volume Production | LCSC | C68035 | 0.1659 | 0.1659 |
| 820 | | R18 | | Not managed | 1 C23253 | RESC160X80X90L30N | Uniroyal | 0805W8F8200T5E | | | | | |
| BMP280 | | P6 | | Not managed | 1 | FOUR PADS | | | | | | | |
| EC11J0924411 | Rotary encoder | U1 | | Not managed | 1 | EC11J0924411 | Alps Electric | EC11J0924411 | Not Recommended for New Design | Mouser | 688-EC11J0924411 | 5,4 | 5,4 |
| LM4041C12IDBZR | Precision Micropower Shunt Voltage Reference, 0.5% accuracy, 1.2 V, 15 ppm / degC, 12 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br) | US | | Unknown server | 1 C133587 | DBZ0003A_N | Texas Instruments | LM4041C12IDBZR | Volume Production | LCSC | C133587 | 0,58736 | 0,58736 |
| MCP1703AT-3302E/CB | | U2 | | Unknown server | 1 C144183 | SOT-23A-CB3_M | Microchip | MCP1703AT-3302E/CB | Volume Production | LCSC | C144183 | 0,47961 | 0,47961 |
| NTC | | P4 | | Not managed | 1 | TWO PADS | | | | | | | |
| SSD1306 OLED_big | I2C display | Q1 | | Not managed | 1 | SSD1306 OLED | | | | | | | |
| | ARM Cortex-M4 32-bit | | | | | | | | | | | | |
| STM32F373CCT6 | MCU, 256 KB Flash, 32 KB Internal RAM, 36 I/Os, 48- pin LQFP, -40 to 85 degC, | U3 | | Unknown server | 1 C89403 | STM-LQFP48_L | STMicroelectronic s | STM32F373CCT6 | Volume Production | LCSC | C89403 | 3,12 | 3,12 |
| OLA UD | Tray | | ļ | | | | | | | - | | | |
| SWD | | P1 | | Not managed | 1 1 | SWD | | | | | | | |
| TPS54201DDCR | | IC1 | | Not managed | 1 1 | SOT95P280X110-6N | | | | | | | |
| TPS565201DDCR | Integrated Circuit | IC2 | | Not managed | 1 | SOT95P280X110-6N | | | | 1 | | | |
| TWO PADS | | P2 | | Not managed | 1 | TWO PADS - medium | | | | | | | |