| Comment | Designator | Footprint | Device | Qty | Description | Manufacturer | Mfr. Part No. | Supplier | supplier Part number |
|---|---|---|---|---|---|---|---|---|---|
| Connector | -OUT+,OUT1,OUT2,SSR1,SSR2,TEMP1,TEMI | MOLEX_2MM_2P | MOLEX_2MM_2P | 8 | | Molex | 54515-0210 | | 538-55935-0210 |
| PIN HEADER | B1,B2,B3 | 1X02M | PINHD-1X02_2.00 | 3 | PIN HEADER | XKB Connectivity | X4612WV-02I-C40D28 | LCSC | C2883055 |
| PIN HEADER | SERVO | 1X03 | PINHD-1X03_2.54 | 1 | PIN HEADER | XKB Connectivity | X6511WV-03H-C30D60 | LCSC | C706875 |
| Connector | J2 | 1X04_1MM_RA | QWIIC_CONNECTORJS-1MM | 1 | SparkFun I2C Sta | SparkFun | PRT-16766 | Mouser | 474-PRT-16766 |
| Connector | F2,F3 | R0402 | R-EU-0402-WOKEEPOUT | 2 | | | | | |
| 0.1µF | C4,C6 | C0603 | C-EUC0603 | 2 | CAPACITOR, Europ | YAGEO | CS0603KRX7R0BB104 | Mouser | 603-CS0603KRX70BB104 |
| 0.1µF | C3,C5,C9,C20 | C0603 | C-EU_WO_KEEPOUT | 4 | | YAGEO | CS0603KRX7R0BB104 | Mouser | 603-CS0603KRX70BB104 |
| 0R-JUMPA | JMP1,JMP2 | A0R-JMP | 0R-JUMPA | 2 | SMD 0R 0805 Jumper | | | | |
| 10k | R1,R2,R3,R4,R5,R8,R9,R11,R12,R13,R20 | R0603 | R-EU_WO_KEEPOUT | 11 | | Panasonic | ERJ-1RHD1002C | Mouser | 667-ERJ-1RHD1002C |
| 10pF | C15,C21 | C0603 | C-EU_WO_KEEPOUT | 2 | | YAGEO | CC0603FRNPO0BN100 | Mouser | 603-CC0603FR0BN100 |
| 10µF | C1,C7,C8,C13,C17,C18,C19 | C0603 | C-EU_WO_KEEPOUT | 7 | | Samsung Electro-Mechanic | CL10A106KQ8NNNC | Mouser | 187-CL10A106KQ8NNNC |
| 1µF | C2,C11,C12 | C0603 | C-EU_WO_KEEPOUT | 3 | | Taiyo Yuden | TMR107B7105KA-T | Mouser | 963-TMR107B7105KA-T |
| 2.2µF | C14,C16 | C0603 | C-EU_WO_KEEPOUT | 2 | | Murata Electronics | GRT188C71E225KE13D | Mouser | 81-GRT188C71E225KE3D |
| 390k | R21 | R0603 | R-EU_WO_KEEPOUT | 1 | | Panasonic | ERJ-1RHD3903C | Mouser | 667-ERJ-1RHD3903C |
| 5.1k | R6,R7,R22,R23 | R0603 | R-EU_WO_KEEPOUT | 4 | | Panasonic | ERA-1AEB512C | Mouser | 667-ERA-1AEB512C |
| 5.6pF | F1 | R0402 | R-EU-0402-WOKEEPOUT | 1 | | Murata Electronics | GJM1555C1H5R6FB01D | Mouser | 81-GJM1555C1H5R6FB1D |
| APA102_2020 | L1 | APA102_2020 | APA102_2020 | 1 | | SparkFun | COM-14608 | Mouser | 474-COM-14608 |
| BUTTON_4PIN_TS-1070A | B4,B5,B6 | BUTTON_WHITE_SMD | BUTTON_4PIN_TS-1070A | 3 | | Yuandi | TS-1070A-B3D2 | LCSC | C492879 |
| BUTTON_4PIN_TS_1177 | GPIO0,RESET | TS-1177-C-B-B | BUTTON_4PIN_TS_1177 | 2 | | XKB Connectivity | TS-1177-C-B-B | LCSC | C561512 |
| BUTTON_6X6_SILICON | BTN1,BTN2,BTN3 | BUTTON_SILICON | BUTTON_6X6_SILICON | 3 | | | | Aliexpress | |
| DIODE_SOD123 | D1,D2,D4 | SOD123 | DIODE_SOD123 | 3 | | onsemi / Fairchild | MMSD4448 | Mouser | 512-MMSD4448 |
| ESP32_S2_QFN56_NEW | ESP | QFN56_7X7 | ESP32_S2_QFN56_NEW | 1 | | Espressif Systems | ESP32-S2 | Mouser | 356-ESP32-S2 |
| | | | | | | | | | |
| HILINK_PM03 | U11 | HILINK_PM03 | HILINK_PM03 | 1 | | | | Aliexpress | |
| IRLML2502 | Q1,Q2,Q4,Q5,Q6 | SOT23 | IRLML2502 | 5 | | Infineon / IR | IRLML2502TRPBF | Mouser | 942-IRLML2502TRPBF |
| LM1117 | U8 | SOT223 | LM1117 | 1 | | onsemi | LM1117MPX-18NOPB | Mouser | 863-LM1117MPX-18NOPB |
| MAX6675 | U1,U2 | SO8 | MAX6675 | 2 | | Maxim Integrated | MAX6675ISA+ | | 700-MAX6675ISA |
| MLT-5030-BUZZER | U10 | MLT-5030-BUZZER | MLT-5030-BUZZER | 1 | | | | Aliexpress | |
| OLD_096_SSD1306_30P_2B | U4 | OLED_096_30P_B | OLD_096_SSD1306_30P_2B | 1 | 30 pin 0.96 inch OLED SSD1306 | | | Aliexpress | |
| RT9193_SC70-5 | U3 | SC-70-5 | RT9193_SC70-5 | 1 | | | | Aliexpress | |
| SWITCH_MS-22C01-G010 | S1 | MS-22C01-G010 | SWITCH_MS-22C01-G010 | 1 | | Chipmall.com Limited | MS-22C01-G010 | LCSC | MS-22C01-G010 |
| UFL_ANT_CONNECTOR | U$3 | UFL_ANT_CONNECTOR | UFL_ANT_CONNECTOR | 1 | | Adafruit | 1661 | Mouser | 485-1661 |
| USB_C_C393939 | U9 | USBC_C393939 | USB_C_C393939 | 1 | | SHOU HAN | TYPE-C16PIN | LCSC | C393939 |
| WAGO_AST045_2 | MAIN | WAGO_AST045_2 | WAGO_AST045_2 | 1 | | | | | |
| XTAL_2016 | X1 | XTYL_2016 | XTAL_2016 | 1 | | Kyocera AVX | CX2016DB40000H0FLJC1 | Mouser | 581-CX2016DB40000HLJ |

| | |
|---|---|
| | Mouser |
| | Aliexpress |
| | LCSC |
| | Manufacturer |
| | Not found! |