

| Reference | Value | Footprint | Qty | DNP | Manufacturer | Manufacturer Part no. | Vendor 1 | Vendor 1 Part no. | Vendor 2 | Vendor 2 Part no. | Comment |
|--|------------------------------|---|-----|-----|--------------------------------------|-------------------------|----------|--------------------------------|----------|-------------------|----------------------------------|
| BT401 | CR2032 | Battery:BatteryHolder_Keystone_3002_1x2032 | 1 | | Keystone Electronics | 2898 | Digikey | 36-2898-ND | LCSC | C6379018 | |
| C201, C303, C304, C404, C502 | 0.1µF | Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder | 5 | DNP | Samsung Electro-Mechanics | CL21B104KBCNFNC | Digikey | 1276-2444-1-ND | LCSC | C318718 | |
| C202, C204, C205, C301, C306, C309, C401, C503 | 10µF | Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder | 8 | | Samsung Electro-Mechanics | CL21A106KOQNNNE | Digikey | 1276-1096-1-ND | LCSC | C1713 | |
| C203, C305, C505 | 1µF | Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder | 3 | | Samsung Electro-Mechanics | CL21B105KPFNNNE | Digikey | 1276-1275-2-ND | LCSC | C107367 | |
| C206, C207, C208, C302, C307, C308, C402, C504, C701, C702, C703, C704, C801, C802, C803, C804, C805, C806, C807, C808, C809, C810, C811, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910, C911, C1001, C1002, C1003, C1004, C1005, C1006, C1007, C1008, C1009, C1010, C1011, C1101, C1102, C1103, C1104, C1105, C1106, C1107, C1108, C1109, C1110, C1111, C1201, C1202, C1203, C1204, C1205, C1206, C1207, C1208, C1209, C1210, C1211, C1301, C1302, C1303, C1304, C1305, C1306, C1307, C1308, C1309, C1310, C1311, C1401, C1402, C1403, C1404, C1405, C1406, C1407, C1408, C1409, C1410, C1411, C1501, C1502, C1503, C1504, C1505, C1506, C1507, C1508, C1509, C1510, C1511, C1601, C1602, C1603, C1604, C1605, C1606, C1607, C1608, C1609, C1610, C1611, C1701, C1702, C1703, C1704, C1705, C1706, C1707, C1708, C1709, C1710, C1711 | 0.1µF | Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder | 122 | | Samsung Electro-Mechanics | CL21B104KBCNFNC | Digikey | 1276-2444-1-ND | LCSC | C318718 | |
| C403 | 1µF | Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder | 1 | DNP | Samsung Electro-Mechanics | CL21B105KPFNNNE | Digikey | 1276-1275-2-ND | LCSC | C107367 | |
| C501 | 10µF | Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder | 1 | DNP | Samsung Electro-Mechanics | CL21A106KOQNNNE | Digikey | 1276-1096-1-ND | LCSC | C1713 | |
| D201 | SP0503BAHT | Package_TO_SOT_SMD:SOT-143_Handsoldering | 1 | | Littelfuse Inc. | SP0503BAHTG | Digikey | F2715CT-ND | LCSC | C7074 | |
| D202, D203 | green | LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder | 2 | | Lite-On Inc. | LTST-C171GKT | Digikey | 160-1423-1-ND | LCSC | C913075 | |
| D301 | red | LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder | 1 | | Lite-On Inc. | LTST-C171KRKT | Digikey | 160-1427-1-ND | LCSC | C284871 | |
| D302 | orange | LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder | 1 | | Lite-On Inc. | LTST-C170KFKT | Digikey | 160-1413-1-ND | LCSC | C284931 | |
| D701, D702, D703, D704, D801, D802, D803, D804, D805, D806, D807, D808, D809, D810, D811, D901, D902, D903, D904, D905, D906, D907, D908, D909, D910, D911, D1001, D1002, D1003, D1004, D1005, D1006, D1007, D1008, D1009, D1010, D1011, D1101, D1102, D1103, D1104, D1105, D1106, D1107, D1108, D1109, D1110, D1111, D1201, D1202, D1203, D1204, D1205, D1206, D1207, D1208, D1209, D1210, D1211, D1301, D1302, D1303, D1304, D1305, D1306, D1307, D1308, D1309, D1310, D1311, D1401, D1402, D1403, D1404, D1405, D1406, D1407, D1408, D1409, D1410, D1411, D1501, D1502, D1503, D1504, D1505, D1506, D1507, D1508, D1509, D1510, D1511, D1601, D1602, D1603, D1604, D1605, D1606, D1607, D1608, D1609, D1610, D1611, D1701, D1702, D1703, D1704, D1705, D1706, D1707, D1708, D1709, D1710, D1711 | WS2812B | LED_SMD:LED_WS2812B_PLCC4_5.0x5.0mm_P3.2mm | 114 | - | - | WS2812B | Digikey | 1568-COM-16347CT-ND | LCSC | C22461793 | |
| J101 | Conn_01x08_Pin | Connector_PinHeader_2.54mm:PinHeader_1x08_P2.54mm_Vertical | 1 | | - | - | - | - | - | - | |
| J201 | USB_C_Receptacle_US B2.0_16P | Connector_USB:USB_C_Receptacle_GCT_USB4105-xx-A_16P_TopMnt_Horizontal | 1 | | GCT | USB4105-GF-A | Digikey | 2073-USB4105-GF-ACT-ND | LCSC | C3020560 | |
| Q201, Q202 | NPN BJT | Package_TO_SOT_SMD:SOT-23_Handsoldering | 2 | | - | - | Digikey | 353-MMS8050-H-TPCT-ND | LCSC | C49581 | General purpose NPN transistor |
| Q601 | BSS138 | Package_TO_SOT_SMD:SOT-23_Handsoldering | 1 | | - | BSS138 | Digikey | BSS138CT-ND | LCSC | C518792 | General purpose N-channel MOSFET |
| R201, R208, R209 | 0R | Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder | 3 | | YAGEO | RC0805JR-070RL | Digikey | 311-0.0ARCT-ND | LCSC | C96345 | |
| R202, R203, R303 | 5.1k | Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder | 3 | | YAGEO | RC0805FR-075K1L | Digikey | 311-5.10KCRCT-ND | LCSC | C84375 | |
| R204, R205, R401, R404, R405, R503 | 0R | Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder | 6 | DNP | YAGEO | RC0805JR-070RL | Digikey | 311-0.0ARCT-ND | LCSC | C96345 | |
| R206 | 22.1k | Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder | 1 | | YAGEO | RC0805FR-0722K1L | Digikey | 311-22.1KCRCT-ND | LCSC | C273840 | |
| R207 | 47.5k | Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder | 1 | | YAGEO | RC0805FR-0747K5L | Digikey | 311-47.5KCRCT-ND | LCSC | C137519 | |
| R210, R213, R214, R304, R504 | 1k | Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder | 5 | | YAGEO | RC0805FR-071KL | Digikey | 311-1.00KCRCT-ND | LCSC | C95781 | |
| R211, R212, R301, R505, R601, R602 | 10k | Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder | 6 | | YAGEO | RC0805FR-0710KL | Digikey | 311-10.0KCRCT-ND | LCSC | C84376 | |
| R302, R402, R403, R501 | 10k | Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder | 4 | DNP | YAGEO | RC0805FR-0710KL | Digikey | 311-10.0KCRCT-ND | LCSC | C84376 | |
| R502 | LDR07 | OptoDevice:R_LDR_5.1x4.3mm_P3.4mm_Vertical | 1 | DNP | - | - | - | - | - | - | |
| SW301, SW302 | SW_Push | Button_Switch_SMD:SW_SPST_PTS810 | 2 | | C&K; | PTS810 SJK 250 SMTR LFS | Digikey | CKN10503CT-ND | LCSC | C221896 | |
| U201 | CP2102N-Axx-xQFN24 | Package_DFN_QFN:QFN-24-1EP_4x4mm_P0.5mm_EP2.6x2.6mm_ThermalVias | 1 | | Silicon Labs | CP2102N-A02-GQFN24R | Digikey | 336-5888-2-ND | LCSC | C969151 | |
| U301 | ESP32-C3-WROOM-02 | RF_Module:ESP32-C3-WROOM-02 | 1 | | Espressif Systems | ESP32-C3-WROOM-02-N4 | Digikey | 1965-ESP32-C3-WROOM-02-N4TR-ND | LCSC | C2934560 | |
| U302 | TLV1117LV33 | Package_TO_SOT_SMD:SOT-223-3_TabPin2 | 1 | | Texas Instruments | TLV1117LV33DCYR | Digikey | 296-28778-2-ND | LCSC | C15578 | |
| U401 | DS3231M | Package_SO:SOIC-16W_7.5x10.3mm_P1.27mm | 1 | | Analog Devices Inc./Maxim Integrated | DS3231M+TRL | Digikey | DS3231M+TRLCT-ND | LCSC | C107410 | LCSC, only has the 8 pin variant |
| U501 | BH1750xxx-xx | Package_TO_SOT_SMD:HVSOF6 | 1 | | Rohm Semiconductor | BH1750FVI-TR | Digikey | BH1750FVICT-ND | LCSC | C78960 | |