| Pos. | Designator | Comment | Description | Stk. |
|---|---|---|---|---|
| 1 | R1, R2, R3, R4, R8, R11, R17, R19, R20 | 0 | 0805 | 9 |
| 2 | C2, C4, C6, C8, C10, C11, C12, C13, C14, C15, C16, C20, C22, C23, C24, C25, C26, C27, C28, C29, C30, C32, C35, C36, C37, C38, C40, C42, C43, C45, C49, C50, C52, C53, C55, C58, C59, C60, C62, C64 | 0.1uF, 50V | CAP CER 0.1UF 50V X7R 0805, Chip Multilayer Ceramic Capacitors, 0805 | 40 |
| 3 | R5, R6, R15, R31, R32, R33, R40 | 1k | 0805 | 7 |
| 4 | D1, D2 | 1N5819HW-7-F | DIODE SCHOTTKY 40V 1A SOD123 | 2 |
| 5 | C44, C47 | 1uF, 16V | General Purpose Ceramic Capacitor, 0805, 1uF, 10%, X7R, 15%, 16V | 2 |
| 6 | C1, C3, C5, C7, C9, C17, C18, C19, C21, C31, C33, C34, C63 | 1uF, 50V | General Purpose Ceramic Capacitor, 0805 | 13 |
| 7 | J5 | 4-644456-0 | CONN HEADER VERT 10POS 2.54MM | 1 |
| 8 | C57 | 4.7uF, 50V | General Purpose Ceramic Capacitor, 0805 | 1 |
| 9 | R7, R9, R10, R13, R18, R29, R30, R34, R35, R36 | 10k | 0805 | 10 |
| 10 | R12 | 10k DNI | 0805 | 1 |
| 11 | U1 | 10M08SAE144C8GES | MAX 10 Family FPGA, 1.15 to 1.25 V Supply, 101 GPIO Pins, 8 K Logic Elements, 144-Pin EQFP, Speed Grade 8, Commercial Grade, RoHS Compliant, Engineering Sample | 1 |
| 12 | C39, C41, C46, C48, C51, C54, C61 | 10uF, 25V | Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 10uF, X6S, 22%, 20%, 25V | 7 |
| 13 | R14 | 22k1 | 0805 | 1 |
| 14 | R16 | 47k5 | 0805 | 1 |
| 15 | R23, R26 | 82 | 0805 | 2 |
| 16 | R21 | 120 | 0805 | 1 |
| 17 | R25, R27 | 150 | 0805 | 2 |
| 18 | R22, R24, R28 | 180 | 0805 | 3 |
| 19 | R37, R38, R39 | 330 | 0805 | 3 |
| 20 | FB1, FB2 | 600ohm, 0.5A | FERRITE BEAD 600 OHM 0805 1LN | 2 |
| 21 | J3 | 105017-0001 | Micro-USB B Receptacle, Right Angle, Bottom Mount, Surface Mount, with Solder Tabs, -30 to 85 degC, 5-Pin USB, RoHS, Tape and Reel | 1 |
| 22 | SW1 | 5161390-1 | Switch DIP OFF ON SPST 1 Top Slide 25A 50VDC PC Pins 2.54mm Thru-Hole Box/Carton | 1 |
| 23 | J6 | 61201021621 | Sockel & Kabelgehäuse WR-BHD 2.54mm Box 10Pin Male Straight | 1 |
| 24 | J4 | 62900416021 | USB-Stecker WR-COM Type A SMT 4Pin Horztl Female | 1 |
| 25 | D7 | Akku full | 151053GS03000 | 1 |
| 26 | D8 | Akku low | 151053RS03000 | 1 |
| 27 | D10 | Akku mid | 151053YS04500 | 1 |
| 28 | D3 | BLE blue | 151053BS04500 | 1 |
| 29 | D4 | BLE red | 151053RS03000 | 1 |
| 30 | Y1 | CB3LV-3C-50M000000 | Oscillator, 50Mhz, Hcmos/Ttl | 1 |
| 31 | U4 | CP2102N-A02-GQFN28 | IC USB TO UART BRIDGE QFN28 | 1 |
| 32 | U7 | EP5388QI | Non-Isolated PoL Module DC DC Converter 1 Output 0.6 ~ 5V 800mA 2.4V - 5.5V Input | 1 |
| 33 | U3 | ESP32-S3-WROOM-1-N8 | MD module, ESP32-S3, 8 MB SPI flash, PCB antenna | 1 |
| 34 | J2 | Female D-Sub 9P | 5747844-4, Female D-Sub Receptacle, Pitch 1.3716 mm, 9 Position, Height 12.9286 mm, -55 to 105 degC, RoHS, Tray | 1 |
| 35 | Q1, Q2 | L8050QLT1G | Bipolar (BJT) Transistor NPN 25 V 1.5 A 100MHz 300 mW Surface Mount SOT-23-3 | 2 |
| 36 | J1 | Male D-Sub 9P | 5747840-3, Male D-Sub Connector, Pitch 2.74 mm, 2 Row, 9 Position, Height 12.93 mm, Tail Length 3.17 mm, -55 to 105 degC, RoHS, Tray | 1 |
| 37 | U8 | MCP1525T-I/TT | 2.5V Voltage Reference, 3-Pin SOT-23, Industrial Temperature, Tape and Reel | 1 |
| 38 | D9 | MVB Active | 151053YS04500 | 1 |
| 39 | U6 | NCP1117LPST33T3G | IC REG LINEAR 3.3V 1A SOT223 | 1 |
| 40 | U2 | SP3485CN-L/TR | ingle Transmitter/Receiver RS-422/ RS-485 8-Pin SOIC N T/R | 1 |
| 41 | S1, S2, S3, S4, S5 | TL3305BF260QG | Tactile Switch SPST-NO Top Actuated Surface Mount | 5 |
| 42 | C56 | TPSD476K016R0150 | CAP TANT 47UF 10% 16V 2917 | 1 |
| 43 | U5 | ULN2803CDWR | 50-V, EIGHT-CHANNEL DARLINGTON A | 1 |
| 44 | D5 | USB green | 151053GS03000 | 1 |
| 45 | D6 | USB red | 151053RS03000 | 1 |