| | Bill of Materials Project Title: Bill of Materials for BOM Document (bill of materials.BomOot) Project Title: Bill of Materials for BOM Document (bill of materials.BomOot) Assembly Virginite: Titles Assembly Virginite: Titles | | | | | | Altium 2175 Salk Avenue Suite 200 Carlsbad, CA 92008 USA | |
|---|---|--|-------------|-------------------------|----------|----------------------|--|----------------|
| | Addition Value | No. | | • | | | | |
| Part Number Cap cer 0603 18 | Description Ceramic cap size 0805 | Designator C22 | Manufacture | Manufacture Part Number | Supplier | Supplier Part Number | Supplier Unit Price | Quantity |
| Cap cer 1206 1 | Ceramic cap size 1206 C1206C104K1RACTU | C23, C24 | | | | | | 2 |
| Cap cer 0603 22 Ferrite Bead Chip | | C25 FB1, FB2 | | | | | | |
| CON EXPANSION | 3.5mm Jack 4-pole with normally closed switches | - | | | | | | |
| CON LOAD CELL F | 3.5mm Jack 4-pole with normally closed switches | | | | | | | |
| | Shielded Power Inductor 2.2 uH 20% 2.2 A 50.4 mohms 3.11 A (sat) 60MHz 4018: 4x4x1.8mm | 36 | | | | | | |
| Ind 2uH_Wire_Sh | 4018: 4x4x1.8mm Dual N-channel Enhancement mode power MOSFET | 01 | | | | | | |
| PNP BJT MJD210 | MID210 PNP BIT transistor DPAK (decawatt) SA dc | 03 | | | | | | |
| PNP BJT BC858 tr | 65 V, 100 mA PNP general- purpose transistor | 06 | | | | | | |
| PAP BJ1 BC836 tr | Res size 0805 SMD | us. | | | | | | 1 |
| Res 0805 150K | mounting, low power Yageo-RC0805FR-07150KL | R1 | | | | | | |
| Res_0603_1.2K_1 | Res size 0603 SMD mounting, low power | R8 | | | | | | |
| | Res size 0805 SMD mounting, low power. Yageo-RC0805FR-071ML | | | | | | 1 | |
| Res_0805_1M_15 | Mageo-RCD805FR-071ML Res size 0603 SMD | R14, R17 | | | | | | - 2 |
| Res_0603_220_5 | Res size 0503 SMD mounting, low power Res size 0503 SMD | R23, R24 | | | | | | 2 |
| Res 0603 150 5 | | R26, R27, R28, R29 | | | | | | 1 |
| Res_0603_22K_5 | Res size 0603 SMD mounting, low power NTC THERMISTOR 10K for | R36 | | | | | | - |
| NTC 10K tht | solding a cable from the battery NTC | RT1 | | | | | | L. |
| | 1.0MHZ, 2A STEP-DOWN DC-DC BUCK CONVERTER, | | | | | | | |
| IC AP3429_A dcd | with latch-off protection Fixed output lowdropout linear regulator. 1.8 V 80 mA | 01 | | | | | | |
| IC NCP5625Q18T | 1.8 V 80 mA | U2 | | | | | | - |
| | LMV358IDGKR Dual OpAmp; low voltage rail to rail opamp; 2.7V to 5V Vss; ESD protection; MSOP-8 | | | | | | | |
| IC IMV358DGKR IC HX711 load cel | Package. HX711 load cell amplifier | U10 | | | | | | - 1 |
| IC TPD3S014 Curr Cap_cer_0805_4 | TPD3S014TDBVRQ1 ESD prot. & current limit Ceramic cap size 0805 | U11 | | | | | | |
| | | C1, C14, C34 C2, C8, C13, C15, C17, C18, C20, C21, C27, C30, C31, C32, C33, | | | | | | |
| Cap_cer_0805_11 | Ceramic cap size 0805 | C35, C37, C39, C40, C3, C16, C26, C29, C36. | | | | | | 29 |
| Cap_cer_0805_11 Cap_cer_0805_2 | Ceramic cap size 0805 Ceramic cap size 0805 | C38 C5 | | | | | | 1 |
| | Ceramic cap size 0805 CC0805MKX5968B226 Yageo MLCC 22uF 10V 20% XSR | C4, C6, C7, C9, C12, C43 | | | | | | |
| Cap cer 0805 2 Cap cer 0805 1s Cap cer 0603 4 | Ceramic cap size 0805 Ceramic cap size 0805 | C10, C11, C19 C28 | | | | | | 3 |
| D d. 4314440141 | SURFACE MOUNT FAST SWITCHING DIODE | 02, 03, 04, 05, 012, | | | | | | |
| Diode LED G 080 Diode LED R 080 | Low power LED color Green Low power LED color Red | D1, D6, D8, D10 D7, D9, D11 | | | | | | 4 |
| DODE LED N OR | USB-MINI-B Female, | 07,00,011 | | | | | | 1 |
| CON USB-MINI-B | USB-MINI-B Female, Manufacturer PN/ID: 10033526-N3212LF BNC coaxial female | 11 | | | | | | |
| CON BNC Female | connector ILI9341 TFT LCD Jumper pin headers., plus SD card reader pins | 12, 13 | | | | | | 2 |
| MOD ILI9341 TFT | Tenerosiuse 902 11 h/m/s | p4 | | | | | | ' |
| MCU ESP32-WRC | Wi-Fi, WiFi, WLAN , Bluetooth Smart Ready 4.x Dual Mode For Use With ESP-WROOM-32 | MCU1 | | | | | | |
| MCU ESP32-WRC NMOS 2N7002 PMOS BSS84AK | 0140C 0CC044V | Q3, Q4 Q5 | | | | | | 2 |
| Res_0603_4.7K_1 | Res size 0603 SMD mounting, low power | R18, R21, R22 | | | | | | 1 |
| Res_0805_33K_1 | Res size 0805 SMD mounting, low power | R3 | | | | | | |
| Res_0603_0ohm | Res size 0603 SMD mounting, zero-ohm OR Yageo RC06031R-070RL | 84. RS. R25 | | | | | | |
| Res 0603 10K 5 | Res size 0603 SMD mounting, low power | R9, R10, R11, R12, R13, R35, R37, R38, R39, R40 | | | | | | 20 |
| Res 0603 100R | Res size 0603 SMD Immuniting Inw nowar | R2, R6, R33, R34 | | | | | | 4 |
| Res_0603_1K_5% | Res size 0503 SMD mounting, low power Res size 0503 SMD | R7, R15, R16 | | | | | | , |
| Res 0603 1.5K 1 | | R19 | | | | | | |
| Res_1206_0R2_1 | Res size 1206 SMD mounting, high power, shunt, current sense. | R20 | | | | | | |
| Res_0603_100K | | R30, R31, R32 | | | | | | |
| SWITCH Multidire | mounting, low power SWITCH Multidirection Slide Push Button SMD TS-003 | S1 | | | | | | |
| Button | Generic 2 pin button DW01A One cell Li-Po/Li-ion Battery protection IC | 52, 53, 54 | | | | | | 1 |
| IC DW01A bat pro | Battery protection IC 1A Standalone Linear Li-lon Battery Charger with | us | | | | | | |
| IC TP4056 BAT CH | | U4 | | | | | | |
| IC USBLC6-25C6 E IC LTC4060EFE Bu | Very low capacitance ESD protection LTC4060EFE | US | | | | | | |
| C C-CHUSUEPE BI | Zero-Drift, Bi-Directional | 0, | | | | | | ΙΤ. |
| IC INA219 current | Zero-Drift, Bi-Directional CURRENT/POWER MONITOR with IZC. SOIC-8 | US | | | | | | |
| IC CH340C usb to | USB to serial chip CH340C, integrated oscillator. | U9 | | | | | | <u></u> |
| | | | | | | | | |