

| Comment | Description | Designator | Footprint | LibRef | Quantity | Manufacturer | Manufacturer Part Number |
|--------------------------------|--|----------------------------|-------------------------|----------------------------------|----------|--------------------------------|--------------------------|
| 4.7uF | 4.7µF ±10% 6.3V Ceramic Capacitor X7R 0805 (2012 Metric) | C1, C2 | FP-CC0805-0_85-MFG | CAP CER 4.7UF 6.3V X7R 0805 | 2 | Yageo | CC0805KKX7R5BB475 |
| 40V, 1A | Schottky Power Rectifier, 2-Pin SMA, Pb Free, Cut Tape, Diode Schottky 40V 1A Surface Mount SMA | D1, D2 | ONSC-SMA-2-403D-02_V | DIODE SCHOTTKY 40V 1A SMA | 2 | ON Semiconductor | MBRA140T3G |
| CONN HEADER R/A 2POS 5.08MM | Connector Header Through Hole, Right Angle 2 position 0.200" (5.08mm) | J1, J2 | 1-179276-2 | CONN HEADER R/A 2POS 5.08MM | 2 | TE Connectivity AMP Connectors | 1-179276-2 |
| 2 POS VERT HEADER 0.100" | Connector Header Through Hole 2 position | J3, J5 | 2Pins_AMP | CONN HEADER VERT 2POS 0.100" | 2 | Amphenol ICC (FCI) | 67997-402HLF |
| 47346-0001 | Micro-USB B Receptacle with Flange, -30 to 85 degC, 5-Pin SMD, RoHS, Tape and Reel | J4 | MOLX-47346-0001-5_V | CONN RCPT USB2.0 MICRO B SMD R/A | 1 | Molex | 47346-0001 |
| CONN PWR JACK 2.1X5.5MM SOLDER | Power Barrel Connector Jack 2.10mm ID (0.083"), 5.50mm OD (0.217") Surface Mount, Right Angle | J6 | FP-RASM722PTR13X-MFG | CONN PWR JACK 2.1X5.5MM SOLDER | 1 | Switchcraft | RASM722PTR13X |
| RED | Low Current LED, 40 mW, 1.8 V, -40 to 100 degC, 2-Pin SMD (0603), RoHS, Tape and Reel | LED1, LED2 | VISH-TLMS1000_V | LED RED 0603 SMD | 2 | Vishay | TLMS1000-GS08 |
| Mounting Hole Non-Plated 3.2mm | Mounting Hole Non-Plated 3.2 mm drill hole | MHNP1, MHNP2, MHNP3, MHNP4 | MTHNP3P2MM | MTHNP3P2MM | 4 | N/A | N/A |
| 2k | 2 kOhms ±5% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200 Thick Film | R1 | RESC2013X70X40ML20 T20 | RES SMD 2K OHM 5% 1/8W 0805 | 1 | Panasonic | ERJ-6GEYJ202V |
| 10k | 10 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200 Thick Film | R2 | RESC2013X70X40ML20 T20 | RES SMD 10K OHM 1% 1/8W 0805 | 1 | Panasonic | ERJ-6ENF1002V |
| PROG | Power Metal Film Leaded Resistor, 62 KOhm +/-5%, 2 W, 2-Pin THD, RoHS, Ammo Pack 62 kOhms ±5% 2W Through Hole Resistor Axial Automotive AEC-Q200, Flame Retardant Coating, Safety Metal Film | R3 | VISH-A1-2_V2 | RES 62K OHM 2W 5% AXIAL | 1 | Vishay Semiconductor | PR02000206202JR500 |
| 330 | 330 Ohms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200 Thick Film | R4 | RESC2013X50X30NL20 T20 | RES SMD 330 OHM 1% 1/8W 0805 | 1 | Vishay | CRCW0805330RFKEA |
| SJUMPER3POS | Solder jumper 3 pads and pins | SJ1 | SJUMPER3POS-Footprint-1 | SJUMPER3POS | 1 | N/A | N/A |
| Charge Management Controller | Simple, Miniature Single-Cell, Fully Integrated Li-Ion/Li-Polymer Charge Management Controller, 4.2V, 5-Pin SOT-23, Industrial Temperature, Cut Tape | U1 | SOT-23-OT5_M | IC LI-ION/LI-POLY CTRLR SOT23-5 | 1 | Microchip | MCP73811T-420I/OT |