

| Comment | Description | Designator | Footprint | LibRef | Quantity |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------|----------------------------|----------|
| CAM-M8C-0 | RF RCVR GNSS/GPS 1.575GHZ MODULE | B4 | CAMM8C0 | CAM-M8C-0 | 1 |
| Button connector | Header, 2-Pin | BTN5 | HDR1X2 | Header 2 | 1 |
| 100nF | | C3, C4, C5, C6, C8, C10, C13 | Cap_0805 | C | 7 |
| 10uF | | C9 | Cap_0805 | C | 1 |
| 4.7uF | [NoValue], 4.7uF | C11, C18 | Cap_0805 | C | 2 |
| NC | | C12 | Cap_0805 | C | 1 |
| 10nF | Capacitor | C14 | 6-0805_L | Cap | 1 |
| 47pF | Capacitor | C15, C16 | 6-0805_L | Cap | 2 |
| 10nF | Capacitor | C17 | Cap_0805 | Cap | 1 |
| 4.7uF, 35V | Multilayer Ceramic Capacitors 4.7uF ±10% 35V X7R SMD 0805 | C19, C21 | Cap_0805 | CMP-08246- 002735-1 | 2 |
| 10uF, 10V | CAP CER 10UF 10V X5R 0805 | C20 | Cap_0805 | CMP-2007-03243- 2 | 1 |
| 6.8uF, 10V | Cap Ceramic 6.8uF 10V X5R 20% Pad SMD 0805 +85°C Automotive T/R | C22 | Cap_0805 | CMP-08246- 000118-1 | 1 |
| ASMB-KTF0-0A306 | LED RGB 4PLCC SMD | D3 | FP-PLCC-4-MFG | CMP-18399- 000003-1 | 1 |
| Super Red, 1.9 V | SMT Mono-color Chip LED Waterclear WL- SMCW, size 0805, Super Red, 1.9 V, 140 deg, 60 mcd | D5, D6, D7 | WL- SMCW_0805_1500 80xx75000 | 150080SS75000 | 3 |
| 5011 | Test Point, Black, Through Hole, RoHS, Bulk | GND5, GND6, GND7 | KSTN-5011_V | CMP-1672-00003- 4 | 3 |
| Header 2 | Header, 2-Pin | GND8, P5 | HDR1X2 | Header 2 | 2 |
| 693071010811 | WR-CRD Micro SD Card Connector Push & Push | J4 | uSD-WE- 693071010811 | uSD-WE- 693071010811 | 1 |
| B3B-XH-A(LF)(SN) | CONN HEADER VERT 3POS 2.5MM | J5 | FP-B3B-XH- A_LF_SN-MFG | CMP-17439- 000014-3 | 1 |
| BNO055- ADAFRUIT | | K4 | BNO055- ADAFRUIT_NO_H OLES | BNO055- ADAFRUIT | 1 |
| 742792133 | SMD EMI Suppression Ferrite Bead WE- CBF, Z = 600 Ohm | L4 | SMD-1206 | CMP-0220-00010- 1 | 1 |
| Header 6 | Header, 6-Pin | P3 | HDR1X6 | Header 6 | 1 |
| Header 4 | Header, 4-Pin | P4, P6, P7 | HDR1X4 | Header 4 | 3 |
| Header 5 | Header, 5-Pin | P8, P9 | HDR1X5 | Header 5 | 2 |
| BSS138LT1G | Power MOSFET, 200 mA, 50 V, N- Channel, 3-Pin SOT-23, Pb-Free, Tape and Reel | O3, O4, O5, O7, O9, O10, O11 | ONSC-SOT-23-3- 318-08_V | CMP-1058-00767- 1 | 7 |
| NVR1P02T1G | Power MOSFET, - 20 V, -1 A, P- Channel, 3-Pin SOT-23, Pb-Free, Tape and Reel | O6, O8 | ONSC-SOT-23-3- 318-08_V | CMP-1058-00745- 1 | 2 |
| 50k | Res 0805 | R1, R2, R3, R4 | RES_0805 | Res2 | 4 |
| 47k | Res 0805 | R5 | RES_0805 | Res2 | 1 |
| 1k | Res 0805 | R6 | RES_0805 | Res2 | 1 |
| 430R | Res 0805 | R7, R8, R9, R10, R12, R14 | RES_0805 | Res2 | 6 |
| 10k | Res 0805 | R11, R13, R15, R20, R22, R23, R24, R34, R37, R41, R43, R44 | RES_0805 | Res2, CMP-2001- 04376-1 | 12 |
| 5k1 | Res 0805 | R16, R17 | RES_0805 | Res2 | 2 |
| 27R | Res 0805 | R18, R19 | RES_0805 | Res2 | 2 |
| 15k | Res 0805 | R21, R35 | RES_0805 | Res2, CMP-2001- 04031-1 | 2 |
| 220R | Res 0805 | R25, R26, R27 | RES_0805 | Res2 | 3 |
| 270R | Res 0805 | R28, R29, R30, R38 | RES_0805 | CMP-2001-00528- 1 | 4 |
| 39k | Res 0805 | R31, R32, R33, R42 | RES_0805 | CMP-2001-00410- 1 | 4 |
| 8k2 | Res 0805 | R36 | RES_0805 | CMP-1013-00510- 2 | 1 |
| 100k | Res 0805 | R39 | RES_0805 | CMP-2001-00479- 1 | 1 |
| 6k2 | Res 0805 | R40 | RES_0805 | CMP-2001-00562- 1 | 1 |
| PTS526SK15SMTR 2LFS | TACT 5.2 X 5.2, 1.5 MM H, 260GF, | SW3 | FP- PTS526SK15SMTR 2LFS-MFG | CMP-10040- 000013-1 | 1 |
| PIC32MX274F256D I/PT | IC MCU 32BIT 256KB FLASH 44TQFP | U3 | FP-C04-076-IPC_A | CMP-06276- 000357-1 | 1 |
| FT230XS-U | USB to Basic UART Interface Chip, UHCI/OHCI/EHCI Compatible, USB 2.0 Compatible, - 40 to +85 degC, 16- Pin SSOP, Pb- Free, Tube | U4 | SSOP-16_N | CMP-0248-00025- 2 | 1 |
| MCP73871T- 2CCI/ML | Charger IC Lithium Ion/Polymer 20- QFN_4x4_ | U5 | Microchip_C04- 126_IPC_B | MCP73871T- 2CCI/ML | 1 |
| MAX1793EUE33+ | | U6 | TSOP65P640X110, HS-17N | MAX1793EUE33+ | 1 |
| 3.3V | Test Point, 1 Position SMD, RoHS, Tape and Reel | V5 | KSTN-5019_V | CMP-1672-00008- 1 | 1 |
| VBOI | Test Point, 1 Position SMD, RoHS, Tape and Reel | V_btnON5 | KSTN-5019_V | CMP-1672-00008- 1 | 1 |
| Vcharge | Test Point, 1 Position SMD, RoHS, Tape and Reel | V_regIN5 | KSTN-5019_V | CMP-1672-00008- 1 | 1 |
| Vregu | Test Point, 1 Position SMD, RoHS, Tape and Reel | V_regOUT5 | KSTN-5019_V | CMP-1672-00008- 1 | 1 |
| Vbat | Test Point, 1 Position SMD, RoHS, Tape and Reel | Vbat5 | KSTN-5019_V | CMP-1672-00008- 1 | 1 |
| Jumper | Jumper Wire | W4, W5, W6, W7, W8, W9, W10 | JUMPER | Jumper | 7 |
| USB4105-GF-A | USB4105-GF-A USB connector | X4 | GCT_USB4105-GF- A | USB-C Type 2.0 | 1 |