

| Circuit | Value | PART NUMBER | Manufacturer Part Number | Manufacturer | Description | Quantity | Unit price USD | Packaging | Package | Mounting Type | Size dimension | Height - Seated (Max) | Link |
|-------------------------------------|---------------|---------------------|--------------------------|-------------------------------------|--|----------|----------------|-------------------------------------|-------------------------|---------------------------|---|-----------------------|--|
| C1,C2,C5,C8,C10,C11,C12,C13,C14 | 100nF/16V | 1276-1342-ZND | CL03R010X039NNFC | Samsung Electro-Mechanics | CAP CER 100PF 16V XTR 2003 | 12 | \$0.02 | Jake & Buel(TB) Alternate Packaging | 0603(1608 Metric) | Surface Mount, M.LCC | 0.024" L x 0.012" W (0.60mm x 0.30mm) | 0.017" (0.33mm) | http://search.en.murata.com/capacitor/product/GM-CAP168R?T=ZND&P=ZND |
| C13,C4,C6,C7 | 22pf/16V | 712-1332-ZND | 21S1845ZD20NAT | Rajstar Technology Inc. | CAP CER 22PF 25V COGNOP 0603 | 6 | \$0.01 | | 0603(1608 Metric) | Surface Mount, M.LCC | 0.024" L x 0.012" W (0.60mm x 0.30mm) | 0.017" (0.33mm) | MALC High-Q Capac Database |
| R1,R2,R11,R12,R13 | 10kOhm | R808J01.DK0TD-NR | R808J01-DK0TD | Samsunx | RES SMD 10 OHM 0.5% 1/10W 0603 | 10 | \$0.01 | | 0603(1608 Metric) | Surface Mount, M.LCC | 0.063" L x 0.032" W (1.60mm x 0.80mm) | 0.020" (0.50mm) | BOM Series Database |
| R9,R8 | 330ohm | CROG03-JW-331ELF-NR | CROG03-JW-331ELF | Bourns Inc. | RES SMD 33 OHM 5% 1/10W 0603 | 4 | \$0.00 | | 0603(1608 Metric) | Surface Mount, M.LCC | 0.063" L x 0.032" W (1.60mm x 0.80mm) | 0.022" (0.55mm) | CROG03_0805_1206-Series |
| R3,R4,R5,R6 | 0ohm/0.1W | PA06TG-RD0YU | EB-3GC7RD0YU | Panasonic Electronic Components | RES SMO 0 OHM JUMPER 1/10W 0603 | 6 | \$0.01 | | 0603(1608 Metric) | Surface Mount, M.LCC | 0.063" L x 0.032" W (1.60mm x 0.80mm) | 0.022" (0.55mm) | |
| LED1,LED2 | SV | L1ST-L1CN0KCT | L1ST-L1CN0KCT | Lite-On Inc. | Orange 650nm LED Indication - Discrete SV 0603 (1808 Metric) | 3 | | | 0603(1608 Metric) | Surface Mount, M.LCC | 0.60mm L x 0.80mm W | 0.90mm | |
| 2 PIN BMC CONNECTOR JL1J2.J3 female | | 435-170A-ND | 825-PH-K-SL(FSN) | JST Sales America Inc. | CONN HEADER PH P/T 2POS 2MM WHITE | 5 | | | | Through Hole | 6.0mm Lead Length 4.5mmx4.1mm H | 6.5mm | PH Series Datasheet |
| Busgrip pins JS male/headers | | 732-5317-ND | PHR-2 | Würth Electronics Inc | CONN HEADER 4 POS 2.54 | 2 | \$0.18 | | | Through Hole | | | PH Series Datasheet |
| Tactile Switches | | SW409-ND | BSF-3150 | Omnron Electronics Inc-EMC Div | SWITCH TACTILE SPST-NO 0.5VA 24V | 2 | | | | Through Hole, Right Angle | 7.40mm x 7.30mm | | |
| Tactile Switches | | F5M1LPATR | F5M1LPATR | TIE Connectivity ALCOBITCH Switches | SWITCH TACTILE SPST NO 0.5VA 24V | 4 | | | | Surface Mount | 6.00mm x 6.00mm | | F5M1LP Drawing |
| LC1768-U1 | 960 VDC/100 A | XCB-1768-U1 | XCB-1768-U1 | NXP USA INC. | IC MCU 32BIT 128KB FLASH 1768QFP144 | 2 | | | | | | | LC1768-U1 Datasheet |
| Crystal_O1 | 12MHz 20dpf | XC2080-ND | ECS-129-20-SPM-TK | ECS Inc. | CRYSTAL 12.00MHZ 20PPM SMD | 4 | | | | Surface mount | 0.449" L x 0.189" W (11.40mm x 4.80mm) | 0.169" (4.30mm) | ESM-76-Series Datasheet |
| crystal_Q2 | 32kHz/1pt | SEER310-ND | C-32 32000K-PBFREE | EPSON | CRYSTAL 32.000KHZ 11FF TH | 2 | | | Cylindrical Can, Radial | Through Hole | 0.079" Dia x 0.236" L (2.00mm x 6.00mm) | 0.236" (6.00mm) | ESM-76-Series Datasheet C-002RX_004S_005S_C-2_C-4-Type |