

| Cmp # | In Stock | To order | Device | MFG | MFG Part Number | Footprint | Quantity | 1 place price | 1 SKU price | 100 place price | 100 SKU price | 1000 place price | 1000 SKU price | Datasheet | DK Link | | 1 | 100 | 1000 |
|-----------------------------|----------|----------|-----------------------|------------------------------|--------------------|----------------|----------|---------------|-------------|-----------------|---------------|------------------|----------------|---|---|--|---|-----|------|
| D4 | | 0 | 3 RGB LED | Lite-On | LTST-C19FD1WT | custom | 1 | \$0.60 | \$0.60 | \$0.30 | \$0.30 | \$0.17 | \$0.17 | | http://www.digkey.com/product-detail/en/LTST-CTSPD1WT160-2022-1-ND3711419 | | | | |
| D3 | | | 3 Green LED | Stanley Electric Co. | PG1101W-TR | SM1206 | 1 | \$0.47 | \$0.47 | \$0.22 | \$0.22 | \$0.12 | \$0.12 | | http://www.digkey.com/product-detail/en/PG1101W-TR404-108F1-ND376546 | | | | |
| U1 | | 0 | 3 precision op amp | Microchip Technology | MCP6241T-E/OT | SOT23-5 | 1 | \$0.35 | \$0.35 | \$0.22 | \$0.22 | \$0.22 | \$0.22 | http://ww1.microchip.com/downloads/en/DeviceDoc/21882d.pdf | http://www.digkey.com/product-detail/en/MCP6241T-E/OT1MC6241TE/242PDICT-ND1979789 | | | | |
| P1 | | 0 | 3 pos terminal block | On Shore Technology Inc | OSTTE080104 | Through Hole | 1 | \$1.13 | \$1.13 | \$0.86 | \$0.86 | \$0.62 | \$0.62 | http://www.on-shore.com/files/default/files/manuals/OSTTEXX0164.pdf | http://www.digkey.com/product-detail/en/Oste080104-SS2638-2/A68076-ND152693FWTZ-QdRFR-QdOPdR-QdC-DOWNW&BENUE | | | | |
| U2 | | 6 | 0 ADC | Microchip Technology | MCP3901AD-I/SS | 20-SSOP | 1 | \$2.39 | \$2.39 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | http://ww1.microchip.com/downloads/en/DeviceDoc/22152d.pdf | http://www.digkey.com/product-detail/en/MCP3901AD-I/SS33MCP3901AD10ZPSS-ND173119 | | | | |
| X1 | | 6 | 0 Crystal clock | TXC | 9B-4.00MAAJ-B | HCA9US | 1 | \$0.39 | \$0.39 | \$0.26 | \$0.26 | \$0.18 | \$0.18 | http://www.bccrystal.com/images/pdf/cr.pdf | http://www.digkey.com/product-detail/en/9C-4.00MAAJ-L16871-MPC-ND4118191 | | | | |
| L1 | | 0 | 3 10 µF tantalum capa | Kemet | T49A1A10K006A77280 | SM1206 | 1 | \$0.33 | \$0.33 | \$0.14 | \$0.14 | \$0.09 | \$0.09 | http://www.kemet.com/LatestProductCatalog/Attachments/254TKEM_T2005_1481.pdf | http://www.digkey.com/product-detail/en/T49A1A10K006A77280399-10116-1-ND3756233 | | | | |
| C5 | | 0 | 3 Ferrite Bead | Taiyo Yuden | LBH2012T1R0M | SM0805 | 1 | \$0.08 | \$0.08 | \$0.07 | \$0.07 | \$0.04 | \$0.04 | http://www.tycoelectronics.com/telMLM7805.pdf | http://www.digkey.com/product-detail/en/LBH2012T1R0M1S87-2042-1-ND1788969 | | | | |
| R5 | | 0 | 3 thermistor | Vishay BC Components | NTCLE100E3103J12 | wires | 1 | \$0.43 | \$0.43 | \$0.24 | \$0.24 | \$0.22 | \$0.22 | http://www.vishay.com/docs/29049/ntcle100.pdf | http://www.digkey.com/product-detail/en/CL1100C1100300RC2398-ND2230728 | | | | |
| U3 | | 4 | 0 voltage regulator | Fairchild Semiconductor | MCR78L05ACHX | SOT-89 | 1 | \$0.51 | \$0.51 | \$0.28 | \$0.28 | \$0.14 | \$0.14 | http://www.fairchildsemi.com/ds/LM7805.pdf | http://www.digkey.com/product-detail/en/LM7805CILM7805CT-ND458896 | | | | |
| D1,D2,D5 | | 8 | diode | Comchip Technology | CGR4A004-G | DO-214AC (SMA) | 2 | \$0.27 | \$0.54 | \$0.14 | \$0.27 | \$0.05 | \$0.10 | http://www.conchiptech.com/cms/UserFiles/CGRA4001-G%20TWD%20CGR4007-RF%20REVd.pdf | http://www.digkey.com/product-detail/en/CGRA4004-G1641-10T17-1-ND1721332 | | | | |
| CON1 | | 8 | 0 Barrel Jack | CUI Inc | PJ-007 | Through Hole | 1 | \$0.87 | \$0.87 | \$0.41 | \$0.41 | \$0.69 | \$0.69 | http://www.cui.com/products/resource/pj-007.pdf | http://www.digkey.com/product-detail/en/PJ1-021-SMT-TXCPN-1-row-PJ-1-ND389941 | | | | |
| P2 | | | 2 Pos Female Header | eBay (anycircuit1) | | Through Hole | 1 | \$2.47 | \$2.47 | \$2.47 | \$2.47 | \$2.47 | \$2.47 | http://www.ebay.com/itm/10x-40-pin-1-row-0-1-PCB-Female-Header-PC-1052-11072545198/ | http://www.digkey.com/product-detail/en/10x-40-pin-1-row-0-1-PCB-Female-Header-PC-1052-11072545198 | | | | |
| Q1,Q2 | | 8 | 0 turn pump on/off | STMicroelectronics | MJD122TF | DPAK2 | 2 | \$0.70 | \$1.40 | \$0.44 | \$0.88 | \$0.25 | \$0.50 | http://www.st.com/web/en/resource/technical/document/datasheet/9786fcd00000911t20/ | http://www.digkey.com/product-detail/en/TIP120I497-2539-5-ND383264 | | | | |
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| C8,C12 | | 50 | 0 10u | Samsung Electro-Mechanics Am | CL21A10KAYANN-NE | SM0805 | 2 | \$0.25 | \$0.50 | \$0.09 | \$0.17 | \$0.05 | \$0.11 | http://www.digkey.com/product-detail/en/CL21A10KAYANN-NE1276-2891-1-ND3890977 | | | | | |
| C2,C8,C13 | | 10 | 0 1u | Kemet | C0805C104K5RAC1U | SM0805 | 3 | \$0.10 | \$0.30 | \$0.02 | \$0.07 | \$0.01 | \$0.04 | http://www.digkey.com/product-detail/en/C0805C104K5RAC1U13399-1170-1-ND4114445 | | | | | |
| C7,C11 | | 50 | 0 1u | Taiyo Yuden | TKM212BJ105KG-T | SM0805 | 3 | 0.16 | \$0.48 | 0.0523 | \$0.16 | 0.03025 | \$0.09 | http://www.digkey.com/scripts/DKSearch/dksus_d7Detail4.htm?SEQ=13512689&SKU=63544228743995713 | | | | | |
| CA,C5 | | 10 | 0 18p | Samsung Electro-Mechanics Am | CL21C180J0ANNN-C | SM0805 | 2 | 0.1 | \$0.20 | 0.022 | \$0.04 | 0.012 | \$0.02 | http://www.digkey.com/product-detail/en/CL21C180J0ANNN-C1276-1107-6-ND3891621 | | | | | |
| R1,R11 | | 12 | 0 2.2K | Rohm Semiconductor | ESR10E2PZJ22 | SM0805 | 2 | 0.1 | \$0.20 | 0.0303 | \$0.06 | 0.01331 | \$0.03 | http://www.digkey.com/product-detail/en/ESR10E2PZJ22-2222-RMD-2KXCT-ND1762991 | | | | | |
| R2,R4,R5 | | 10 | 0 1K | Yageo | RC0805JR-071KL | SM0805 | 2 | 0.1 | \$0.20 | 0.0073 | \$0.01 | 0.00326 | \$0.01 | http://www.digkey.com/product-detail/en/RC0805JR-071KL311-3K5RCT-ND1731185 | | | | | |
| R3,R15 | | 0 | 50 10K | Yageo | C0805JR-0710KL | SM0805 | 2 | 0.1 | \$0.20 | 0.0073 | \$0.01 | 0.00326 | \$0.01 | http://www.digkey.com/product-detail/en/RC0805JR-0710KL311-10KRCCT-ND1731188 | | | | | |
| R6,R7,R8,R9,R10,R12,R13,R14 | | 10 | 50 | 499 Yageo | RC0805FR-07499RL | SM0805 | 5 | 0.1 | \$0.50 | 0.0084 | \$0.04 | 0.00379 | \$0.02 | http://www.digkey.com/product-detail/en/RC0805FR-07499RL311-F45RCCT-ND1730933 | | | | | |
| TOTAL | | | | | | | | | \$14.64 | | \$8.70 | \$6.91 | \$7.40 | | | | | | |
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