

| Item | Qty | Ref - Des | Desc | Manufacturer's Part Number |
|--|-----|-----------------------|------------------------------|-------------------------------|
| REQUIRED CIRCUIT COMPONENTS: | | | | |
| 1 | 3 | C1,C2,C3 | CAP, 1.0uF X5R 10% 10V 0402 | MURATA, GRM155R61A105K |
| 2 | 1 | D1 | LED, SMT RGB | NICHIA, NSCM315C |
| 3 | 1 | R1 | RES, 8.87K CHIP 1% 1/8W | VISHAY, CRCW04028K87FKED |
| 4 | 1 | U1 | IC, RGB LED DRIVER | LINEAR TECH, LTC3212EDDB |
| ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS: | | | | |
| 1 | 4 | C5,C6,C7,C8 | CAP, 0.1uF X7R 10% 10V 0402 | MURATA, GRM155R71A104K |
| 2 | 1 | C4 | CAP, 4.7uF X5R 10% 6.3V 0603 | TDK, C1608X5R0J475K |
| 3 | 2 | R2,R3 | RES, 8.87K CHIP 1% 1/8W | VISHAY, CRCW04028K87FKED |
| 4 | 3 | R4,R5,R6 | POT, 50K SMT 20% 1/8W | BOURNS, 3313J-1-503E |
| 5 | 1 | R7 | RES., 0.0 CHIP 1% 1/8W | VISHAY, CRCW04020000Z0ED |
| 6 | 6 | R8,R9,R11,R13,R14,R15 | RES, 5.11K CHIP 1% 1/8W | VISHAY, CRCW04025K11FKED |
| 7 | 1 | R10 | RES, 10K CHIP 5% 1/8W | VISHAY, CRCW040210K0JNED |
| 8 | 1 | R12 | RES, 100K CHIP 5% 1/8W | VISHAY, CRCW0402100KJNED |
| 9 | 1 | R16 | RES, CHIP 1M OHM 5% 0402 | VISHAY, CRCW04021M00JNED |
| 10 | 1 | D2 | DIODE, 1N4148 | DIODES INC., 1N4148WS |
| 11 | 1 | U2 | IC, SERIAL EEPROM | MICROCHIP, 24LC025-I/ST |
| 12 | 1 | U3 | IC, FLASH 8-BIT MCU | MICROCHIP, PIC16F630I/ST |
| 13 | 1 | U4 | IC, OSCILLATOR | LINEAR TECHNOLOGY, LTC1799IS5 |
| 14 | 1 | Q1 | MOSFET, N-CHANNEL | VISHAY, TN0200K |
| 15 | 1 | Q2 | MOSFET, DUAL N-CHANNEL | VISHAY, Si1912EDH |
| | | Q2 (Second Source) | MOSFET, DUAL N-CHANNEL | FAIRCHILD, FDG6303N |
| HARDWARE FOR DEMO BOARD ONLY: | | | | |
| 1 | 1 | J1 | HEADER, 2X7 2MM STRAIGHT | MOLEX/WALDOM, 87831-1420 |
| 2 | 0 | J2 | HEADER, 2X3 2MM | |
| 3 | 2 | E1,E2 | TURRET, TESTPOINT | MILL MAX, 2501-2 |
| 4 | 1 | E3 | TURRET, TESTPOINT | MILL MAX, 2308-2 |
| 5 | 3 | JP1,JP2,JP3 | HEADER, 3 POS, 2MM | SAMTEC, TMM-103-02-L-S |
| 6 | 3 | JP1,JP2,JP3 | SHUNT, 2MM | SAMTEC, 2SN-BK-G |
| 7 | 1 | SW1 | SWITCH, PUSH BUTTON | PANASONIC, EVQPPFA25 |
| 8 | 4 | | STANDOFFS | KEYSTONE, 8831 |
| 9 | 1 | | CABLE ASSY, 8" STRIP | LINEAR RIBBON CABLE, CA-2440 |