



| APPROVALS | DATE | PROJECT | Altium |
|-----------|------|-------------------|------------------------|
| ENG: - | | PROJECT REVISION | Not in version control |
| DSN: - | | DESIGN ITEM | Not in version control |
| CHK: + | | TITLE | * |
| BOM: | | SIZE | CAGE CODE |
| ASSY DWG: | | DWG NO. | REV |
| FAB DWG: | | SCALE: | FILE NAME |
| PCB DWG: | | Light Main.SchDoc | SHEET 1 OF 1 |



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|------------------------|---|--|----------------------------------|-------------------------|----------|
| 691103110002 | | AC in, Bulb Out, Dc in | 691103110002 | CMP-1502-03254-2 | 3 |
| 61300411121 | | Angle1, Angle2, CH340, LCD, PF, Stepper1, Stepper2 | 61300411121 | CMP-1502-01064-3 | 7 |
| ECA1JM100 | Aluminum Electrolytic Capacitors (Radial Lead Type) 10uF ±20% 63V | C1, C2 | FP-RAD-TH-D_5_0_5- L_11_1-MFG | CMP-05427-001517-1 | 2 |
| ECQV1H224JL | Stacked Metallized Plastic Film Capacitor, 220 nF, +/- 5%, 50 V, -40 to 105 degC, 2-Pin THD, RoHS, Bulk | C3 | PNSC-ECQV1H224JL | CMP-2000-06190-1 | 1 |
| RDE5C2A220J0K1H03 B | Ceramic Capacitor 22pF ±5% 100V COG Radial | C4, C5 | FP-RDE0M1-MFG | CMP-06035-017822-1 | 2 |
| 1N4007 | Rectifier diode 1000 V 1 A DO-41, , | D1 | FP-1N4007-MFG | CMP-123542-000001- 1 | 1 |
| B6B-XH-A(LF)(SN) | CONN HEADER VERT 6POS 2.5MM | J1 | FP-B6B-XH-A_LF_SN- MFG | CMP-17439-000076-1 | 1 |
| JS1-5V-F | RELAY GEN PURPOSE SPDT 10A 5V | K1 | FP-JS1-5V-F-MFG | CMP-05606-000016-1 | 1 |
| 61301011121 | | P1 | 61301011121 | CMP-1502-01082-5 | 1 |
| P2N2222ARL1G | Amplifier Transistor, NPN Silicon, 3-Pin TO- 92, Pb-Free, Tape and Reel | Q1 | ONSC-TO-92-3-29- 11_AM_BL | CMP-1048-01587-1 | 1 |
| MFR-25FBF52-1K | Axial Resistor, 1 kOhm, +/- 1%, 250 mW, -55 to 155 degC, 2-Pin THD, RoHS, Bulk | R1, R2, R3 | RESA60-630X240 | CMP-1659-00075-1 | 3 |
| SSQ-108-01-G-S | SQ Post Socket, Through-hole, Vertical, -55 to 125 degC, 2.54 mm Pitch, 8-Pin, Female, RoHS | ST11, ST12, ST21, ST22 | SMTC-SSQ-108-01-X-S | CMP-1023-00292-1 | 4 |
| L7805CV | Positive Voltage Regulator, 5V, 3-Pin TO-220 | U1 | TO220 | CMP-0244-00483-1 | 1 |
| ATmega328-PU | 8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 28-pin PDIP, Industrial Grade (-40°C to 85°C) | U2 | 28P3 | CMP-0095-00015-2 | 1 |
| FOXSLF/160-20 | Resistance Weld Thru- Hole Crystal, 16 MHz, - 20 to 70 degC, 2-Pin THD, RoHS, Bulk | Y1 | FOX-FOXSLF160-20 | CMP-1749-00003-1 | 1 |