





Bill of Materials

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Source Data From: pLED1.1.PrjPcb
 Project: pLED1.1.PrjPcb
 Variant: None

Creation Date: 3/22/2014 2:42:42 PM
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Footprint	Comment	LibRef	Designator	Description	Quantity
BATTERY	Battery	Battery	Bat		1
CAP POL 2	Cap Pol3	Cap Pol3	C1, C2	Polarized Capacitor (Surface Mount)	2
SM/C_0805	Cap Semi	Cap Semi	C5, C7, C8	Capacitor (Semiconductor SIM Model)	3
DO-35	Diode 1N4148	Diode 1N4148	D1	High Conductance Fast Diode	1
HDR1X3	Header 3	Header 3	Hall1	Header, 3-Pin	1
HDR1X5H	Programming	Header 5H	J1	Header, 5-Pin, Right Angle	1
RGBLED5050	or 5050 LEDs, the order of the LEDs may vary from one manufacturer to another!	RGBLED5050	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12, LED13, LED14, LED15, LED16		16
HDR1X2H	DC 12V	Header 2H	P1	Header, 2-Pin, Right Angle	1
HDR1X3	7805	Header 3	P2	Header, 3-Pin	1
HDR1X3H	Header 3H	Header 3H	P3	Header, 3-Pin, Right Angle	1
SM/C_0805	Res Semi	Res Semi	R1, R2, R3, R5, R6, R7, R8	Semiconductor Resistor	7
HDR1X7	RF Module	Header 7	RF1	Header, 7-Pin	1
8S1_N	AT24C01BN-SP25-T	AT24C01BN-SP25-T	U1	1Kbit (128 x 8), 2-wire Bus Automotive Serial EEPROM with Write Protect, 2.5V, 8-Pin SOIC, Tape & Reel	1
SO16	74595	74595	U2, U4, U5, U7, U8, U9	8-BIT SFT REG WIRTH OUTPUT LCH	6
SOIC8N_N	DS1307Z	DS1307Z	U3	64 X 8 Serial Real-Time Clock	1
TQFP-PT44_N	PIC16F887-E/PT	PIC16F887-E/PT	U6	Flash-Based, 8-Bit CMOS Microcontroller with nanoWatt Technology, 8K (x14-Bit words) Program Memory, 624 Bytes Data Memory, 35 I/O pins, 44-Pin TQFP, Standard VDD Range, Extended Temperature	1
CFPX-93	32,768KHz	CFPX-93	Y1	Surface Mount Quartz Crystal	1
CRYSTAL	20MHz	XTAL	Y2		1
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Approved	Notes