



# Bill of Materials

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Source Data From: pLED.PrjPcb  
 Project: pLED.PrjPcb  
 Variant: None

Creation Date: 3/14/2014 12:48:18 PM  
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Footprint	Comment	LibRef	Designator	Description	Quantity
Jac_Pin	Jac_Pin	Jac_Pin	Bat		1
CAP POL 2	Cap Pol3	Cap Pol3	C1, C2	Polarized Capacitor (Surface Mount)	2
SM/C_0805	Cap Semi	Cap Semi	C3, C4, C5, C6, C7, C8, C9	Capacitor (Semiconductor SIM Model)	7
DO-35	Diode 1N4148	Diode 1N4148	D2	High Conductance Fast Diode	1
HDR1X3	Header 3	Header 3	Hall	Header, 3-Pin	1
HDR1X5H	Programming	Header 5H	J1	Header, 5-Pin, Right Angle	1
3528	150141RB73100	WL-SBTW 3528 150141RB73100	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12, LED13, LED14, LED15, LED16	SMD Bi-Color Top LED, WL-SBTW, Red & Blue	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
SOT-23B_N	QNP	QNP	Q1, Q2, Q3, Q4	NPN Bipolar Transistor	4
SM/C_0805	Res Semi	Res Semi	R1, R2, R3, R6, R7, R8, R9, R10, R11, R12	Semiconductor Resistor	10
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
SOIC8N_N	DS1307Z	DS1307Z	U2	64 X 8 Serial Real-Time Clock	1
TQFP- PT44_N	PIC16F887- E/PT	PIC16F887- E/PT	U3	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 CRYSTAL	32,768KHz 20MHz	CFPX-93 XTAL	Y1	Surface Mount Quartz Crystal	1
			Y2		1
					52

Approved	Notes