#	Designator	Description	Quantity	Manufacturer	Manufacturer Part Number	Supplier	Supplier Part Number	Mounting Type	Substitue part ok?
1	C1, C3, C4	CAP CER 10UF 10V 20% X5R 0603	3	Taiyo Yuden	LMK107BJ106MALTD	Digi-Key	587-2562-1-ND	Surface Mount	Yes
2	D2,D3,D4	DIODE SCHOTTKY 30V 0.2A SOD523	3	ON Semiconductor	BAT54XV2T1G	Digi-Key	BAT54XV2T1GOSCT-ND	Surface Mount	Yes
3	RED	LED SMARTLED 630NM RED 0603 SMD	1	OSRAM Opto Semiconductors I	LS L29K-G1J2-1-Z	Digi-Key	475-2506-1-ND	Surface Mount	Yes
4	WHITE	LED WHITE HIGH BRIGHT ESS SMD	1	Panasonic Electronic Compone	LNJ037X8ARA	Digi-Key	LNJ037X8ARACT-ND	Surface Mount	Yes
5	J1	CONN PWR JACK DC 0.65X2.75MM	1	CUI Inc	PJ1-022	Digi-Key	CP1-022-ND	Through Hole, Right Angle	
6	BAT, MOTOR	CONN HEADER 2POS 1.25MM VERT TIN	2	Molex Inc	0530470210	Digi-Key	WM1731-ND	Through Hole	
7	Q1	MOSFET N-CH 30V 3.8A SOT23	1	Alpha & Omega Semiconductor	AO3418	Digi-Key	785-1012-1-ND	Surface Mount	Yes
8	R1, R2, R6	RES 1K OHM 1/10W 5% 0603 SMD	3	Panasonic Electronic Compone	ERJ-3GEYJ102V	Digi-Key	P1.0KGTR-ND	Surface Mount	Yes
9	R3, R4	RES 10K OHM 1/10W 5% 0603 SMD	2	Panasonic Electronic Compone	ERJ-3GEYJ103V	Digi-Key	P10KGTR-ND	Surface Mount	Yes
10	J1	SWITCH TACTILE SPST-NO 0.05A 12V GULL	1	E-Switch	TL3302AF130QG	Digi-Key	EG4582CT-ND	Surface Mount	
11	MCP1	IC LI-ION/LI-POLY CTRLR 10MSOP	1	Microchip Technology	MCP73833T-AMI/UN	Digi-Key	MCP73833T-AMI/UN-ND	Surface Mount	
12	U1	IC MCU 8BIT 8KB FLASH 14SOIC	1	Atmel	ATTINY84A	Digi-Key	ATTINY84A-SSU-ND	Surface Mount	ATTINY44/24 also pos