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Battery_Operated Node.PrjPcb
Battery_Operated Node.PrjPcb Source Data From: Project: Variant: None

 Creation Date:
 4/15/2015
 1:05:41 PM

 Print Date:
 42109
 42109.54573

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ootprint	Comment	LibRef	Designator	Description	Quantity
WITCH- PDT-SMD		SWITCH- SPDTSMD2	S1		
RYSTAL S	16.000MHz/SM	SMALL SMD C	Q1		
ID _	D5x3.2/12pF	RYSTAL			
P-SMD-2.0	TWIG-4P-2.0-	TWIG-4P-2.0-	A, D, I2C		
	SMD	SMD-FEMALE- REINFORCE'DD			
		'			
4ML_N	ATmega32U4-	ATmega32U4-	32U4	8-bit AVR Microcontroller, 2.7-5.5V, 32KB	
	AU	AU		Flash, 2.5KB EEPROM, 1KB SRAM, USB	
				Controller, 44-pin TQFP, Industrial Grade (- 40°C to 85°C)	
603-CAP	.1uF	CAP0603-CAP	C2, C3, C4	ceramic capacitor	:
MD_CAP_0	100nF	Cap-Bipolar	Caref, Cnrf1, Cq	ceramic capacitor	:
05 MD CAP 0	10nE	Cap-Bipolar	Creset	ceramic capacitor	
05	1011	Cup Dipolai	O-COCK	cordina capacitor	
603-CAP	1uF	CAP0603-CAP	C5	ceramic capacitor	
MD_CAP_0 03	1uF 10V	Cap-Bipolar	Cir22	ceramic capacitor	
MD_CAP_0	1uF 10V	Cap-Bipolar	Cir32, Cir42, Cir52, Cir62, Cir72	ceramic capacitor	
05					
MD_CAP_0	20pF	Cap-Bipolar	cc1, cc2	ceramic capacitor	:
03 MD_CAP_0	4 7nF	Cap-Bipolar	Cr1	ceramic capacitor	
05		Cup Dipolai	0.1	cordina capacitor	
603-CAP	4.7uF	CAP0603-CAP	C6	ceramic capacitor	
206 MD CAD 4	4.7uF	CAP1206	C7, C8	ceramic capacitor	
MD_CAP_1 06	4.7ur	Cap-Bipolar	C_ldo1, C_ldo2	ceramic capacitor	
DR2X3	Header 3X2	Header 3X2	PROG	Header, 3-Pin, Dual row	
DR2X4	Header 4X2	Header 4X2	NRF2	Header, 4-Pin, Dual row	
DR2X5 licro3 N	Header 5X2 IRLML6401	Header 5X2 IRLML6401	UEXT Qir, Qir2, Qir3, Qir4, Qir5, Qir6, Qir7	Header, 5-Pin, Dual row HEXFET Power MOSFET	
L4148	1N4148	Diode 1N4148	Dr	High Conductance Fast Diode	
IDC3216	Inductor	Inductor	Lm1	Inductor	
IDC4532	Inductor(SD3114	Inductor	Lreg	Inductor SD3114	
ED SMD) Red	LED	LED1, LED2, LED3	LED	
206					
ICP1640	mcp1640	mcp1640	М	MCP1640DT-I/CHY, 0.65V, Sync Reg.,	
OT23-5	MCP73831	MCP73831	U1	6LD SOT-23 pkg Miniature single cell, fully integrated Li-lon,	
0125-5	WCF 73031	WGF 73031	01	Li-polymer charge management	
				controller br>http://ww1.microchip.com/do	
				wnloads/en/DeviceDoc/21984a.pdf br>IC- 09995	
APP 1206	4.7uF	Cap-Polar	Cnrf2	Polar Capacitor	
3216X18L)					
ize A	l				
ANASONIC D	100uF	CAP_POLD	C_BAT, C_usb	Polar Capacitor 6.3V	
ES 0603	0	Resistor	Rir22	Resistor	
608XD6L)					
ES 0805 2012X06L)	0	Resistor	Rir32, Rir42, Rir52, Rir62, Rir72	Resistor	
ES 0603	100K	Resistor	Rir23	Resistor	
608X06L)			-		
ES 0805	100K	Resistor	Rir33, Rir43, Rir53, Rir63, Rir73	Resistor	
012X06L) ES 0805	10k	Resistor	R2, Rir34, Rir44, Rir54, Rir64, Rir74	Resistor	
012X06L)			_,,,,,		
ES 0603	10K	Resistor	Rir24	Resistor	
608X06L) ES 0805	1M	Resistor	Rm12	Resistor	
2012XD6L)		i tobiotoi		T COSTO	
ES 0805	22	Resistor	R4, R5	Resistor	:
012X06L) ES 0805	330	Resistor	R1, R6, R7, Rst1	Resistor	
2012X06L)	330	resistor	K1, NO, K7, NOT1	resistor	
ES 0805	4.7k	Resistor	R3	Resistor	
012X06L)	4.71/	Decister	Di2a4 Di2a2 Dwise	Basistas	
ES 0603 608X06L)	4.7K	Resistor	Ri2c1, Ri2c2, Rmic6	Resistor	
ES 0805	470K	Resistor	Rm13	Resistor	
2012XD6L)					
ES 0805 012X06L)	562	Resistor	RR2	Resistor	
ES 0805	976	Resistor	RR1	Resistor	
012X06L)					
MA-DIODE	B340A	DIODE- SCHOTTKY-	D1	Schottky diodes in SFE's production catalogBAT20J 1A 23V	
		B340A		catalogBA I20J 1A 23V 0.62Vf br>RB751 120mA 40V	
				0.37Vf PMEG4005EJ 0.5A 40V	
				0.42Vf MBRA140 1A 40V	
ST-2-SMD	JST-2	M02-JST-2MM-	JP1	0.5Vf br>B340A 3A 40V SMA Standard 2-pin 0.1" header. Use with 	
JI Z OIIID	0012	SMT		straight break away headers (PRT-	
				00116) r>- right angle break away	
				headers (PRT-00553) - swiss pins (PRT-00743) - machine pins (PRT-	
				00117) br>- female headers (PRT-	
				00115) >dr> > Molex polarized connector	
SB-AB-	USB-ABCONN-	USB-ABCONN-	U5	This is a USB AB connector that is	
IICRO-	11794	11794	<u> </u>	compatible with USB OTG. i.e. this	
MD_V03				connector can serve as a host or device	
ACTILE_S	RESET	SWITCH-	S2	Various NO switches- pushbuttons, reed,	
/ITCH_SMD		MOMENTARY- 2SMD		etc	
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pproved		Notes			
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