Bill of Materials

Bill of Materials For Project [Battery_Operated Node.PrjPcb] (No PCB Document Selected)

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

Creation Date:	4/15/2015	1:31:01 AM
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Footprint	Comment	LibRef	Designator	Description	Quantity
TACTILE_SWITCH_SMD	!RESET	SWITCH-MOMENTARY-2SMD	S2	Various NO switches- pushbuttons, reed, etc	1
USB-AB-MICRO-SMD_V03	USB-ABCONN-11794	USB-ABCONN-11794	U5	This is a USB AB connector that is compatible with USB OTG.	1
JST-2-SMD	JST-2	M02-JST-2MM-SMT	JP1	Standard 2-pin 0.1" header. Use with straight break awa	1
SMA-DIODE	B340A	DIODE-SCHOTTKY-B340A	D1	Schottky diodes in SFE's production catalog<p>BAT20J 1A 23	1
RES 0603 (1608X06L)	0	Resistor	Rir22	Resistor	1
RES 0805 (2012X06L)	0	Resistor	Rir32, Rir42, Rir52, Rir62, Rir72	Resistor	5
RES 0603 (1608X06L)	100K	Resistor	Rir23	Resistor	1
RES 0805 (2012X06L)	100K	Resistor	Rir33, Rir43, Rir53, Rir63, Rir73	Resistor	5
RES 0805 (2012X06L)	10k	Resistor	R2, Rir34, Rir44, Rir54, Rir64, Rir74	Resistor	6
RES 0603 (1608X06L)	10K	Resistor	Rir24	Resistor	1
RES 0805 (2012X06L)	1M	Resistor	Rm12	Resistor	1
RES 0805 (2012X06L)	22	Resistor	R4, R5	Resistor	2
RES 0805 (2012X06L)	330	Resistor	R1, R6, R7, Rst1	Resistor	4
RES 0805 (2012X06L)	4.7k	Resistor	R3	Resistor	1
RES 0603 (1608X06L)	4.7K	Resistor	Ri2c1, Ri2c2, Rmic6	Resistor	3
RES 0805 (2012X06L)	470K	Resistor	Rm13	Resistor	1
RES 0805 (2012X06L)	562	Resistor	RR2	Resistor	1
RES 0805 (2012X06L)	976	Resistor	RR1	Resistor	1
PANASONIC_D	100uF	CAP_POLD	C_BAT, C_usb	Polar Capacitor 6.3V	2
CAPP 1206 (3216X18L) Size A	4.7uF	Cap-Polar	Cnrf2	Polar Capacitor	1
SOT23-5	MCP73831	MCP73831	U1	Miniature single cell, fully integrated Li-Ion, Li-polymer charge	1
MCP1640	mcp1640	mcp1640	M	MCP1640DT-I/CHY , 0.65V, Sync Reg., 6LD SOT-23 pkg	1
LED SMD 1206	Red	LED	LED1, LED2, LED3	LED	3
INDC4532	Inductor(SD3114)	Inductor	Lreg	10uH or 4.7uH 1A 3.1mm x 3.1mm x 1.4mm	1
INDC3216	Inductor	Inductor	Lm1	Inductor	1
LL4148	1N4148	Diode 1N4148	Dr	High Conductance Fast Diode	1
Micro3_N	IRLML6401	IRLML6401	Qir, Qir2, Qir3, Qir4, Qir5, Qir6, Qir7	HEXFET Power MOSFET	7
HDR2X5	Header 5X2	Header 5X2	UEXT	Header, 5-Pin, Dual row	1
HDR2X4	Header 4X2	Header 4X2	NRF2	Header, 4-Pin, Dual row	1
HDR2X3	Header 3X2	Header 3X2	PROG	Header, 3-Pin, Dual row	1
0603-CAP	.1uF	CAP0603-CAP	C2, C3, C4	ceramic capacitor	3
SMD_CAP_0805	100nF	Cap-Bipolar	Caref, Cnrf1, Cq	ceramic capacitor	3
SMD_CAP_0805	10nF	Cap-Bipolar	Creset	ceramic capacitor	1
0603-CAP	1uF	CAP0603-CAP	C5	ceramic capacitor	1
SMD_CAP_0603	1uF 10V	Cap-Bipolar	Cir22	ceramic capacitor	1
SMD_CAP_0805	1uF 10V	Cap-Bipolar	Cir32, Cir42, Cir52, Cir62, Cir72	ceramic capacitor	5
SMD_CAP_0603	20pF	Cap-Bipolar	cc1, cc2	ceramic capacitor	2
SMD_CAP_0805	4.7nF	Cap-Bipolar	Cr1	ceramic capacitor	1
0603-CAP	4.7uF	CAP0603-CAP	C6	ceramic capacitor	1
1206	4.7uF	CAP1206	C7, C8	ceramic capacitor	2
SMD_CAP_1206	4.7uF	Cap-Bipolar	C_ldo1, C_ldo2	ceramic capacitor	2
44ML_N	ATmega32U4-AU	ATmega32U4-AU	32U4	8-bit AVR Microcontroller, 2.7-5.5V, 32KB Flash, 2.5KB EEPR	1
SWITCH-SPDT-SMD		SWITCH-SPDTSMD2	S1		1
CRYSTAL_SMD	8.000MHz/SMD5x3.2/12pF	SMALL_SMD_CRYSTAL	Q1	4 pin smd oscillator 5mm*3.2mm	1
4P-SMD-2.0	TWIG-4P-2.0-SMD	TWIG-4P-2.0-SMD-FEMALE-REINFORCE'DD'	A, D, I2C		3
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Approved		Notes		