

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:

4/24/2015

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Print Date:

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Footprint	Comment	LibRef	Designator	Description	Quantity
4P-SMD-2.0	TWIG-4P-2.0-SMD	TWIG-4P-2.0-SMD-FEMALE-REINFORCED	A, D, I2C	part num:1125S-SMT-4P URL: http://oom.lt/J204S	3
44ML_N	ATmega32U4-AU	ATmega32U4-AU	32U4	8-bit AVR Microcontroller, 44-pin TQFP, Industrial Grade (-40°C to 85°C)	1
CAPP 1206 (3216X18L) Size A	4.7uF 6.3V Tantalum	Cap-Polar	Cnrf2	Tantalum Capacitor Size A	1
CD32	2.2uH/1.5A/DCR<0.1R/CD32	L-CD32	L1		1
HDR2X3	Header 3X2	Header 3X2	PROG	Header, 3-Pin, Dual row	1
HDR2X4	Header 4X2	Header 4X2	NRF2	Header, 4-Pin, Dual row	1
HDR2X5	Header 5X2	Header 5X2	UEXT	Header, 5-Pin, Dual row	1
INDC3216	Inductor	Inductor	Lm1	Inductor	1
JST-2-SMD	JST-2	MO2-JST-2MM-SMT	JP1	Standard 2-pin 0.1" header. Use with - straight break away headers (PRT-	1
LED SMD 1206	Green	LED	LED3	LED	1
LED SMD 1206	Orange	LED	LED2	LED	1
LED SMD 1206	Red	LED	LED1	LED	1
LL4148	1N4148	Diode 1N4148	Dr	High Conductance Fast Diode	1
mic94060	MIC94060	MIC94060	MIC1, MIC2, MIC3, MIC5, MIC6	MIC94060YC6, SC-70-6	5
Micro3_N	IRLML6401	IRLML6401	Qir	HEXFET Power MOSFET	1
PANASONIC_D	Polar Capacitor 10V	CAP_POLD	C_BAT, C_usb	Polar Capacitor 10V	2
RES 0805 (2012X06L)	1.1K	Resistor	RR2	Resistor	1
RES 0805 (2012X06L)	10k	Resistor	R2	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, Rmic6	Resistor	2
RES 0805 (2012X06L)	4.99K	Resistor	RR1	Resistor	1
RES 0805 (2012X06L)	470K	Resistor	Rm13	Resistor	1
RESONATOR-SMD	16MHZ	RESONATOR8MHZ	Y1	Resonator ,Small SMD resonator,Used, eg, on the Arduino Pro/ Pro Mini boards	1
SMA-DIODE	B340A	DIODE-SCHOTTKY-B340A	D1	Schottky diodes in SFE's production catalog<p>BAT20J 1A 23V 0.62Vf RB	1
SMD_CAP_0805	100nF	Cap-Bipolar	C2, C3, C4, Caref, Cnrf1, Cq	ceramic capacitor	6
SMD_CAP_0805	10nF	Cap-Bipolar	Creset	ceramic capacitor	1
SMD_CAP_0805	1uF	Cap-Bipolar	C5	ceramic capacitor	1
SMD_CAP_0805	22pF	Cap-Bipolar	Co1	ceramic capacitor	1
SMD_CAP_0805	22uF	Cap-Bipolar	Co2, Co3	ceramic capacitor	2
SMD_CAP_0805	4.7nF	Cap-Bipolar	Cr1	ceramic capacitor	1
SMD_CAP_0805	4.7uF	Cap-Bipolar	C6, C7, C8	ceramic capacitor	3
SOT23-5	MCP73831	MCP73831	U1	Miniature single cell, fully integrated Li-Ion, Li-polymer charge management cor	1
SOT23-5	SY8009AAAC(SOT23-5)	SY8008	U2		1
SWITCH-SPDT-SMD		SWITCH-SPDTSMD2	S1	part num:AYZ0102AGRLC or JS102011SAQN	1
TACTILE_SWITCH_SMD	!RESET	SWITCH-MOMENTARY-2SMD	S2	Various NO switches- part num:TS-1518S	1
USB-AB-MICRO-SMD_V03	USB AB Connector(micro usb)	USB-ABCONN-11794	U5	part num:1125S-SMT-4P	1
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Approved	Notes