



Project: EVB-MC
Description: Lifetime Power for Wireless Sensors Add-on Board
Revision: 0B
Creation Date: 12/13/2010

Item #	Designator	Description	Value	PartNumber	Manufacturer	Comment
1	C1, C2, C4, C6, C14	Capacitor	0.1uF	GRM188R71C104KA01D	Murata	
2	C3, C7, C8, C11, C12, C13	Capacitor	DNS			DNS
3	C5, C9, C10	Capacitor	1uF	GRM188R61A105KA61D	Murata	
4	D1	Schottky Diode		CDBU0530	Comchip	
5	J1	Header, 6-pos, Right Angle, through-hole		68016-106HLF	FCI	
6	J2	Daughter Board Header		SFH11-PBPC-D05-ST-BK	Sullins	
7	J3	Terminal Block, 3-Pin		282834-3	Tyco	
8	JP1	Header, SMT, 10 Pos		95278-101A10LF	FCI	
9	JP1A, JP1B, JP1C, JP1D, JP1E, JP2A	Shunt for JP1, Shunt for JP2		SPC02SYAN	Sullins	
10	JP2	Header, 2 Pos, TH		PBC02SAAN	Sullins	
11	PCB1	PCB, .062" THK FR4, Green		PXXXX-EVB-MC	Powercast	
12	Q1, Q3	N-Channel MOSFET		NTA4153NT1G	ON Semi	
13	Q2	P-MOS	P-MOS	NTA4151PT1G	ON Semi	
14	R1, R2, R4, R8, R9, R11, R13, R14	Chip Resistor	10K	RMCF0603FT10K0	SEI	
15	R3	Chip Resistor	1.62K	RMCF0603FT1K62	SEI	
16	R5	Thermistor	10K NTC	NCP18XH103F03RB	Murata	
17	R6	Chip Resistor	75K	RMCF0603FT75K0	SEI	
18	R7	Chip Resistor	287	RC0603FR-07287RL	Yageo	
19	R10, R12	Chip Resistor	200K	RMCF0603FT200K	SEI	
20	R15, R16	Chip Resistor	100K	RMCF0603FT100K	SEI	
21	R17, R20	Chip Resistor	0.0, zero ohm	RMCF0603ZT0R00	SEI	DNS
22	R18	Chip Resistor	10	RMCF0603JT10R0	SEI	
23	R19	Chip Resistor	10M	RMCF0603FT10M0	SEI	
24	S1	SPST x3 SMT Switch Vertical		219-3MST	CTS	
25	U1	General Purpose 16-Bit Flash Microcontroller, 16K		PIC24F16KA102-I/ML	Microchip	
26	U2	2.4 GHz IEEE Std. 802.15.4™ RF Transceiver 12		MRF24J40MA	Microchip	
27	U3	150mA low Iq LDO		NCP698SQ30T1G	ON Semi	
28	U4	1.5µA Max, Dual Precision Rail-to-Rail Input and C		MCP6L04T-E/ST	Microchip	
29	U5	Humidity Sensor		HIH-5030	Honeywell	
30	U6	ambient light sensor	Light Sensor	TEMT6000X01	Vishay	