



Project: EVB-IPS
Description: Lifetime Power for Battery Charging
Revision: 0A
Creation Date: 1/13/2011

Item #	Designator	Description	Value	PartNumber	Manufacturer	Quantity	Comment
1	BT1	Testpoint				1	DNS
2	C1	Capacitor	10uF	C1608Y5V0J106Z	TDK	1	CAP
3	C2, C8	Capacitor	.1uF	GRM188R71C104KA01D	Murata	2	CAP
4	C3	Capacitor	.01uF	160R14W103KV4T	Johanson Dielectrics	1	CAP
5	C4	Capacitor	.15uF	C1608X7R1E154M	TDK	1	CAP
6	C5, C6	Capacitor	1uF	0603ZD105KAT2A	AVX	2	CAP
7	C7	Capacitor	100uF	GRM31CF50J107ZE01L	Murata	1	CAP
8	CONN1	IPS MEC cover		ADP-MEC Cover	IPS	1	
9	D1, D2	Schottky Diode		SD101AWS-7-F	Diodes Inc	2	DIODE-SCH
10	D3	Surface Mount LED		HSMS-A100-J00J1	Avago	1	LED
11	J1	Daughter Board Header		SFH11-PBPC-D05-ST-BK	Sullins	1	Connector
12	JP1	INT-INT-Reset		90131-0123	Molex	1	Jumper to TI EZ-430-RF2500
13	JP1A, JP1B, JP1C, JP2A	Shunt for JP1, Shunt for JP2	Shunt	SPC02SYAN	Sullins	4	
14	JP2	Jumper to set output voltage of harvester		90131-0124	Molex	1	---
15	P1	Header, 8-Pin		3-644456-8	Tyco	1	ADP Header
16	P2	EZ430-RF2500 connector		GRPB061VWCN-RC	Sullins	1	EZ430-RF2500
17	PCB1	PCB, .062" THK FR4, Green		EVB-IPS-PCB	Powercast	1	
18	Q1, Q2	P-Channel MOSFET		NTA4151PT1G	OnSemi	2	NTA4151PT1G
19	Q3, Q4, Q5	N-Channel MOSFET		NTA4153NT1G	OnSemi	3	NTA4153NT1G
20	R1, R3	Semiconductor Resistor	10M	MCR03EZPJ106	Rohm Semiconductor	2	RES
21	R2, R4	Semiconductor Resistor	22M	RMCF0603JT22M0	Stackpole Electronics	2	RES
22	R5	Semiconductor Resistor	499	MCR03EZPFX4990	Rohm Semiconductor	1	RES
23	R6	Semiconductor Resistor	100k	CRCW0603100KJNEA	Vishay/Dale	1	RES
24	R7	Semiconductor Resistor	1M	MCR03EZPJ105	Rohm Semiconductor	1	RES
25	R8	Semiconductor Resistor	40.2	MCR03EZPFX40R2	Rohm Semiconductor	1	RES
26	R9	Semiconductor Resistor	4.99k	RMCF0603FT4K99	Stackpole Electronics	1	RES
27	R10	Semiconductor Resistor	383K	MCR03EZPFX3833	Rohm Semiconductor	1	RES
28	R11	Semiconductor Resistor	340k	MCR03EZPFX3403	Rohm Semiconductor	1	RES
29	R12	Semiconductor Resistor	182k	MCR03EZPFX1823	Rohm Semiconductor	1	RES
30	R13	Semiconductor Resistor	768k	MCR03EZPFX7683	Rohm Semiconductor	1	RES
31	S1, S2	SP3T SMT Switch Vertical		EG1381A	E Switch	2	switch_EG1381_1
32	S3	2 pos slider switch		JS202011SCQN	C&K Components	1	SWITCH SLIDE DPDT
33	TP1, TP2, TP3, TP4, TP5	Testpoint		5016	Keystone	5	GND, VBATT, VREG, XBATT
34	U1	Voltage Detector		S-1000C21-M5T1G	Seiko	1	S-1000C21-M5T1G
35	U2, U3	IPS Battery Connector		70ADJ-5-ML1	Bourns	1	IPS Battery Connector
36	U4	TPS780 Voltage Regulator		TPS780270200DDCT	Texas Instruments	1	TPS780