	me: PR1070A_bom.xls	3				
Date: 3	3/20/2012					
PR1070A BOM			Required components are in bold.			
-001	RefDes	VALUE	Description	Size	Part Number	MFR
2	C1, C3	1uF	Capacitor, Ceramic, 25V, X5R, 10%	603	Std	Std
2	C2, C5	1uF	Capacitor, Ceramic, 6.3V, X5R, 10%	402	Std	Std
2	C4, C12	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	Std	Std
0	C6, C10	Open	Capacitor, Ceramic, 6.3V, X5R, 10%	1206	Std	Std
2	C7, C8	4.7uF	Capacitor, Ceramic, 25V, X5R, 10%	805	Std	Std
1	C9	0.01uF	Capacitor, Ceramic, 16V, X7R, 10%	603	Std	Std
1	C11	10uF	Capacitor, Ceramic, 10V, X5R, 10%	603	Std	Std
2	D1, D2	Green	Diode, LED, Green, 2.1-V, 20-mA, 6-mcd	603	LTST-C190GKT	Liteon
	J1, J3, J5, J9, J13,					
6	J16	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
1	J12	UX60-MB-5ST	Connector, Recpt, USB-B, Mini, 5-pins, SMT	0.354 X 0.303 Inches	UX60-MB-5ST	Hiroise Electrical Co
1	J17	N2510-6002-RB	Connector, Male Straight 2x5 pin, 100mil spacing, 4 Wall	0.338 x 0.788 inch	N2510-6002-RB	3M
	J2, J4, J6, J7, J8,					
9	J10, J11, J14, J15	PEC02SAAN	Header, Male 2-pin, 100mil spacing	0.100 inch x 2	PEC02SAAN	Sullins
3	JP1, JP2, JP5	PEC03SAAN	Header, Male 3-pin, 100mil spacing,	0.100 inch x 3	PEC03SAAN	Sullins
1	JP3	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
0	JP4	PEC03SAAN	Header, Male 3-pin, 100mil spacing,	0.100 inch x 3	PEC03SAAN	Sullins
					SPM4012T-1R5M	TDK
1	L1	1.5uH	Inductor, SMT, 3.5A, 70 milliohm	4.1x4.4 mm	Alternate:	Alternate:
					FDSD0415-H-1R5M	Toko
1	Q1	CSD25401Q3	MOSFET, PChan, -20V, 60A, 8.7 milliOhm	QFN3.3X3.3mm	CSD25401Q3	TI
1	R1	1870	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R2	50.0k	Potentiometer, 3/8 Cermet, 12-Turn	0.25x0.17 inch	3266W-1-503LF	Bourns
1	R3	4120	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R4	0	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R5, R6	1.50K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R7, R8	200	Resistor, Chip, 1/16W, 1%	603	Std	Std
	TP1, TP2, TP3,					
	TP4, TP5, TP6,					
8	TP7, TP10	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP8, TP9	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
3	TP11, TP12, TP13	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	BQ24160YFF	IC, 2.5A, Dual-Input, Single Cell Switchmode Li-Ion BATT	ER QFN3.3X3.3mm	BQ24160YFF	TI

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