Filename: PR1070A_bom.xls

Date: 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
6	J1, J3, J5, J9, J13, 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
9	J2, J4, J6, J7, J8, 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
1	**L1**	**1.5uH**	**Inductor, SMT, 3.5A, 70 milliohm**	**4.1x4.4 mm**	**SPM4012T-1R5M Alternate: FDSD0415-H-1R5M**	**TDK Alternate: 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
8	TP1, TP2, TP3, TP4, TP5, TP6, 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 BATTER**	**QFN3.3X3.3mm**	**BQ24160YFF**	**TI**

IMPORTANT NOTICE