

Filename: PMP8515RevA - BoM.xls

Date: 12/5/2012

PMP8515RevA - Bill of Material

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	220pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C2	22nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
5	C27, C102, C103, C104, C105	47uF	Capacitor, Aluminum, 50V, 680mOhm, 195mA	0.328 x 0.328 inch	EEEFK1H470P	Panasonic
1	C3	680pF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C4	10nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C5	100nF	Capacitor, Ceramic, 50V, X7R, 15%	1206	Std	Std
1	C7	1uF	Capacitor, Ceramic, 16V, X7R, 15%	805	Std	Std
4	C8, C10, C11, C101	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
1	C9	100pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	D1	MBRD660	Diode, Dual Schottky, 60V, 6A	DPAK	MBRD660CT	On Semi
1	D101	BAS70-05	Diode, Dual Schottky, 70V, 70mA	SOT323	BAS70W-05-7-F	Diodes
1	D102	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
1	D103	8.2V	Diode, Zener, 8.2V, 350mW	SOT-23	BZX84C8V2	Diodes Inc.
3	J1, J2, J101	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27" x 0.25"	ED555/2DS	OST
1	L1	10uH	Inductor, SMT, 14mOhm, 8.5A rms, 10.0A sat	12.80x 13.2 mm	7443550101	Wuerth
1	Q1	Si7852ADP	MOSFET, NChan, 80V, 30A, 14mOhm	PowerPAK S0-8	Si7852ADP	Vishay
1	Q101	2N7002	MOSFET, Nch, 60V, 115mA	SOT323 [SC70]	2N7002	Diodes Inc.
1	R1	365k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R10	1.00k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R11	22m	Resistor, Chip, 1/2W, 1%	2010	Std	Std
1	R14	0	Resistor, Chip, 1/2W, 1%	2010	Std	Std
1	R2	61.9k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R3	7.87k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R5	100k	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	R7, R12, R15	0	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R9	49.9	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	TP1, TP8, TP11	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
4	TP2, TP4, TP7, TP10	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	U1	TPS40210DGQ	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210DGQ	Texas Instruments

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