

Filename: PMP8536RevA - BoM.xls

Date: 1/16/2013

## PMP8536RevA - 9.5V @ 1.5A - Bill of Material

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
4	C1, C2, C4, C5	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
8	C101, C102, C103, C104, C105, C106, C107, C108	47uF	Capacitor, Aluminum, 50V, 680mOhm, 195mA	0.328 x 0.328 inch	EEEFK1H470P	Panasonic
1	C11	1uF	Capacitor, Ceramic, 50V, X7R, 15%	1206	Std	Std
1	C3	1nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C6	1uF	Capacitor, Ceramic, 10V, X7R, 15%	603	Std	Std
1	C7	100pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C8	10nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C9	1uF	Capacitor, Ceramic, 16V, X7R, 15%	805	Std	Std
1	D1	MBRD660	Diode, Dual Schottky, 60V, 6A	DPAK	MBRD660CT	On Semi
1	D102	BAS70-05	Diode, Dual Schottky, 70V, 70mA	SOT323	BAS70W-05-7-F	Diodes
2	D103, D105	4.7V	Diode, Zener, 4.7V, 300mW	SOT-23	BZX84B4V7	Vishay
1	D104	15V	Diode, Zener, 15V, 300mW	SOT-23	BZX84B4V7	Vishay
2	J1, J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27" x 0.25"		OST
1	J101	PEC03SAAN	Header, Male 3-pin, 100mil spacing,	0.100 inch x 3		Sullins
1	L1	10uH	Inductor, SMT, 14mOhm, 8.5A rms, 10.0A sat	12.80x 13.2 mm	7443550101	Wuerth
1	Q1	Si7850DP	MOSFET, NChan, 60V, 8.7A, 31mOhm	PowerPAK S0-8	Si7850DP	Vishay
2	Q102, Q103	2N7002	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002	Diodes
1	Q2	NDS0605	MOSFET,P-ch, -60 V, 180mA	SOT-23	NDS0605	Fairchild
6	R1, R102, R103, R104, R105, R107	100k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R101	49.9	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R106	10k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R2	15.4k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R3	2.49k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R4	1.00k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R45	4.7	Resistor, Chip, 1/4W, 10%	1206	Std	Std
1	R5	33m	Resistor, Chip, 1/2W, 1%	2010	Std	Std
1	R6	80.6k	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R7, R8	200k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	U1	LM3481	IC, High Efficiency Low-Side N-Channel Controller	MSOP	LM3481MM	Texas Instruments

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