Filename: PMP5117_REVB_bom.xls
Date: 10/01/2009

PMP5117_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
3	C1, C25, C28	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
3	C12, C21, C22	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C13	0.047uF	Capacitor, Ceramic, 100V, X7R, 15%	0805	STD	STD
1	C15	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C16	150uF	Capacitor, Aluminum, 35V, 20%	0.315 inch	35V ZL 150uF 8 X 11.5mm	Rubycon
2	C17, C18	47pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	STD	STD
1	C19	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
5	C2, C3, C4, C5, C6	3.3uF	Capacitor, Ceramic, 50-V, X7R, 20%	1210	C3225X7R1H335M	TDK
1	C23	0.033uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H333K	TDK
1	C24	220pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H221K	TDK
1	C29	4.7uF	Capacitor, Ceramic, 16V, X7R, 15%	0805	Std	Std
1	C7	1000uF	Capacitor, Aluminum, 6.3V, 20%	0.315 inch	6.3V ZL 1000uF 10 X 12.5mm	Rubycon
3	C9, C10, C11	22uF	Capacitor, Ceramic, 16-V, X5R, 20%	1210	Std	Std
1	D1	MBRA130	Diode, Rectifier, 1A, 30V	SMA	MBRA130	ON Semiconductor
9	D2, D3, D5, D6, D7, D8, D10, D11, D100	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
2	D4, D9	5.1V	Diode, Zener, 5.1-V	SOT23	BZX84C5V1LT1	ON Semiconductor
3	J1, J2, J3	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	4.7uH	Inductor, SMT, 18-A, 1.7-milliohm	0.790 x 0.770 inch	SER2013-472ML	Coilcraft
1	L2	1mH	Inductor, SMT, 0.1A, 14ohm	0.26x0.09 inch	DO1608C-105ML	Coilcraft
2	Q1, Q10	CSD16321Q5	MOSFET, N-Chan, 25V, 31 A	QFN-8 POWER	CSD16321Q5	TI
2	Q3, Q9	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
1	Q4	IRF6216	MOSFET, P-ch, 150-V, 2.2-A, 240-milliOhms	SO8	IRF6216	International Rectifier
2	Q5, Q6	IRF7473	MOSFET, N-Chan, 100V, 26 miliohm, 7A	SO8	IRF7469	IR
1	Q8	MMBT3906	Bipolar, PNP, 40-V, 200-mA	SOT23	MMBT3906LT1	On Semi
1	R1	2k	Resistor, 1W, 5%	2512	STD	STD
1	R11	1.74k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	7.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	75k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R15	60.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R16, R100	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R2, R14, R18	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R26	3.32k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R3, R6	499	Resistor, Chip, 1/16W, 5%	0805	Std	Std
3	R4, R21, R23	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	4.3	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R8, R10	49.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	3.92k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA1005.100NL	XFMR, Current Sense	0.284 x 0.330 inch	PA1005.100NL	Pulse
1	T2	G094246LF	Transformer, Forward	26.00 x 32.00 mm	G094246LF	
2	TP1, TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP3, TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
1	U1	UCC2897APW	IC, Current-Mode Active Clamp PWM Controller	PW20	UCC2897APW	Texas Instruments
1	U2	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U3	TLV431ADBZ	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431AIDBZ	TI

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