

Date: 1/7/2011		PMP6516 REVC BOM				
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C16	1500pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
1	C9	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	std
1	C12	0.047uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	std
2	C10, C17	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std
1	C18	10uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0603	std	std
2	C11, C13	220pF	Capacitor, Ceramic, 50V, NPO, 15%	0603	std	Std
1	C14	27pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	Std	Std
1	C15	47pF	Capacitor, Ceramic, 50V, NPO, 15%	0603	Std	Std
1	C7	0.1uF	Capacitor, Ceramic, 0.1uF, 100V, X7R, 20%	0805	Std	Std
2	C5, C6	1uF	Capacitor, Ceramic, 100V, X7R, 15%	1206	C3216X7R2A105MT	TDK
2	C2, C3	100uF	Capacitor, Ceramic, 6.3V, X5R, 15%	1210	C3225X5R0J106MT	TDK
1	C8	4700pF	Capacitor, Ceramic, 4700pF, 2KV, X7R, 10%	1812	Std	AVX
1	D1	PDS835L	Diode, Schottky, 8A, 35V	Power DI 5	PDS835L	Diodes Inc.
1	D2	30V	Diode, Zener, 30V, 500mW	SMA	SMAZ30	Diodes Inc.
1	D3	BAV20WS	Diode, 250mA, 200V	SOD-323	BAV20WS	Diodes Inc.
2	D4, D5	6.8V	Diode, Zener, 6.8V, 225-mW	SOT23	BZX84C6V8LT1	ON Semi
1	D6	BAT54S	Diode, Dual Schottky, 200-mA, 30-V	SOT23	BAT54S	Diodes Inc.
1	Q1	Si3440DV	MOSFET, N-ch, 150V, 1.5A, 375 milliOhms	TSOP-6	Si3440DV	Vishay
1	Q2	MMBTA06LT1	Bipolar, NPN, 80V, 500mA	SOT23	MMBTA06LT1	ON Semi
1	R11	0	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R21	100	Resistor, Chip, 1/16W, 1%	0603	std	std
3	R3, R8, R18	10	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R15	249	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	316	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R6, R10	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R14, R17, R22	10K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R12	16.9K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	249K	Resistor, Chip, 1/16W, 1%	0603	std	std
3	R5, R16, R19	30.1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	0.1	Resistor, Chip, 1/16W, 5%	0805	Std	Std
1	R2	49.9K	Resistor, Chip, 1/16W, 1%	0805	Std	Std
1	T1	57uH	Transformer, Flyback, DM	TBD	PA3339NL	Pulse
1	U1	TPS40210DGS	IC, Low Cost Non-Synchronous Boost Controller	DGS10	TPS40210DGS	TI
1	U2	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U3	TLV431	IC, Shunt Regulator, 1%	SOT23-5	TLV431AIDBVR	TI
MISC						
2	J1, J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST

7	TP1, TP2, TP5, TP7, TP8, TP9, TP10	5000	Test Point, Red, Thru Hole Color Keyed	0.1 x 0.1"	5000	Keystone
2	TP3, TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.1 x 0.1"	5001	Keystone
1	C1	DNP	Do Not Populate	0603		
1	C4	DNP	Do Not Populate	1210		
1	R1	DNP	Do Not Populate	0805		

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