

	9/9/2011		PMP6877 REVB BOM			
Qty	Reference	Value	Description	Size	Part Name	Manufacturer
2	C3 C6	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	603	STD	TDK
1	C5	1000pF	Capacitor, Ceramic, 50V, X7R, 15%	603	STD	TDK
1	C2	1uF	Capacitor, Ceramic, 16V, X7R, 15%	603	STD	TDK
2	C1 C7	270pF	Capacitor, Ceramic, 50V, NPO, 15%	603	STD	TDK
1	C4	47pF	Capacitor, Ceramic, 50V, X7R, 15%	603	STD	TDK
2	C10-11	2.2uF	Capacitor, Ceramic, 100V, X7R, 15%	1210	C3225X7R2A225MT	TDK
2	C12 C24	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	C3225X7R1H475K	TDK
1	C15	47uF	Capacitor, Alum, 100V, 20%	0.315 inch	100ZL47uF20%10x12.5	Rubycon
1	D7	MURS320T3	Diode, Schottky Barrier 3A, 200V	SMC	MURS320T3	On Semi
2	D2-3	BAS16	Diode, Switching, 150-mA, 75-V, 350mW	SOT23	BAS16	Diodes Inc.
1	D9	MBRS240LT3	Diode, Schottky, 2A, 40V	SMB	MBRS240LT3	Motorola
1	D6	18V	Diode, Zener, 18V, 0.225W	SOT-23	MMBZ5248BLT1	Diodes Inc.
1	D5	20V	Diode, Zener, 20V, 0.225W	SOT-23	MMBZ5250BLT1	Diodes Inc.
1	D4	47V	Diode, Zener, 47V, 0.225W	SOT-23	MMBZ5261BLT1	Diodes Inc.
2	D1 D8	6.8V	Diode, Zener, 6.8V, 0.225W	SOT-23	MMBZ5235BLT1	Diodes Inc.
1	L1	47uH	Inductor, SMT, 3.6A, 106 milliohm	12.5x12.5mm	7448709470	Würth
1	L2	1uH	Inductor, SMT, 2.66A, 33 milliohm	4.0 X 4.5mm	LD1-1R0-R	Coiltronics
1	R9	0.03	Resistor, 1/2 watt, ± 5%	1210	Std	Std
1	R38	0.56	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	R5	10K	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R8	16.5K	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R14	100	Resistor, Chip, 1/16W, 1%	603	STD	STD
2	R16 R32	10K	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R4	13.3K	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R2	1K	Resistor, Chip, 1/16W, 1%	603	STD	STD
3	R3 R6 R11	20K	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R7	210K	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R1	4.7	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R15	49.9K	Resistor, Chip, 1/16W, 1%	603	STD	STD
2	R10 R12	30.1K	Resistor, Chip, 1/10W, 1%	805	STD	STD
3	J1-3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
7	TP1 TP3 TP5 TP8-9 TP18 TP21	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
4	TP2 TP4 TP7 TP11	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	TP23	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
1	U1	TPS40211DGQ	IC, 52V, Boost Controller	DGQ10	TPS40211DGQ	TI
1	Q5	2N7002	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002	Diodes Inc.
1	Q3	BSC190N15NS3G	MOSFET, Nch, 150V, 50A, 19 milliohm	TDSON-8	BSC190N15NS3G	Infineon
1	Q1	MMBT3904LT1	Bipolar, NPN, 40V, 200mA, 0.225W	SOT23	MMBT3904LT1	On Semi
1	Q2	MMBT3906LT1	Bipolar, PNP, 40V, 200mA, 0.225W	SOT23	MMBT3906LT1	On Semi
1	Q4	SI7489DP	MOSFET, PChan, 100V, 28A, 41milliohm	PWRPAK S0-8	SI7489DP	Vishay

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