

Date: 06/07/2012		PMP8313_REVB BOM				
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C15	0.01uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	std
1	C5	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	0603	std	std
1	C13	0.22uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	std	std
1	C11	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std
2	C12, C14	270pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std
1	C16	27pF	Capacitor, Ceramic, 50V, NPO, 15%	0603	std	std
3	C7, C8, C9	22uF	Capacitor, Ceramic, 22uF, 16V, X7R, 20%	1210	C3225X7R1C226M	TDK
3	C2, C4, C6	3.3uF	Capacitor, Ceramic, 100V, X7R, 20%	1210	C3225X7R2A335M	TDK
1	D1	MBRS3100T3	Diode, Schottky, 3A, 100V	SMC	MBRS3100T3	On Semi
2	D3, D4	6.8V	Diode, Zener, 500mW, 6.8V	SOD123	MMSZ5235BT1	On Semi
2	J1, J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L1	47uH	Inductor, Dual Winding, 47uH, 2.95A, 71.9 milliohm	0.492 x 0.492 inch	DRQ127-470-R	Cooper
1	Q1	FDMS86101	MOSFET, NCh, 100V, 13A, 8 milliohm	POWER 56	FDMS86101	Fairchild
1	Q2	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semi
1	Q3	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semi
1	Q4	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi
1	R3	3.9	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R1, R100	10	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R10	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R12	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	1K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R6	16.2K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R11	3.09K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R2	309K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R9	49.9K	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R7, R8	30.1K	Resistor, Chip, 1/10W, 1%	0805	STD	STD
1	R5	0.033	Resistor, 1/4W, 5%	1210	Std	Std
2	TP1, TP4	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
3	TP2, TP5, TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP6, TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	TPS40210	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210DGQ	TI

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