

Date: 02/8/2010		PMP5299_REVB BOM				
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C13	0.01uF	Capacitor, Ceramic, 25V, X7R, 15%	0603	std	std
2	C10, C12	1uF	Capacitor, Ceramic, 16V, X5R, 15%	0603	Std	Std
2	C9, C11	270pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std
1	C8	0.33uF	Capacitor, Ceramic, 50V, X5R, 15%	0805	Std	TDK
1	C7	1uF	Capacitor, Ceramic, 100V, X7R, 15%	1210	C3225X7R2A105MT	TDK
2	C1, C101	220uF	Capacitor, Alum, 35V, 1.43A, 0.027 Ohms	0.315 inch	35ZLG220uF20%10X12.5	Rubycon
3	C5, C6, C100	82uF	Capacitor, Alum, 63V, 685mA, 0.15 Ohms	0.315 inch	63ZL82uF20%10X12.5	Rubycon
1	D2	MBRS360	Diode, Schottky, 3A, 60V	SMC	MBRS360T3	On Semi
1	D3	16V	Diode, Zener, 16V, 225-mW	SOT23	BZX84C16LT1	ON Semi
1	D4	7.5V	Diode, Zener, 7.5V, 225-mW	SOT23	BZX84C7V5LT1	ON Semi
1	L1	8uH	Inductor, SMT, 7.6 A, 10.81 milliohm	0.508 x 0.516 inch	SER1360-802KL	Coilcraft
1	Q3	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semi
1	Q4	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semi
1	Q5	Si7850DP	MOSFET, NCh, 60V, 10.3 A, 0.022 millohm	PWRPAK S0-8	Si7850DP	Vishay
1	Q6	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi
1	R7	3.9	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R1	10	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R17	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R18	1.43K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R13	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	499K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	1K	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R8, R9	30.1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	309K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R16	0	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	R15	100K	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	R12	0.015	Resistor, 1/4 watt	1206	Std	Std
1	U1	TPS40210	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210DGQ	TI
MISC						
2	J1, J3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27"x 0.25"	ED555/2DS	OST
2	TP1, TP5	5010	Test Point, Red, Thru Hole	0.125"x 0.125"	5010	Keystone
1	TP13	5001	Test Point, Black, Thru Hole Color Keyed	0.1"x 0.1"	5001	Keystone
3	TP2, TP6, TP12	5011	Test Point, Black, Thru Hole	0.125"x 0.125"	5011	Keystone
2	TP7, TP11	5000	Test Point, Red, Thru Hole Color Keyed	0.1"x 0.1"	5000	Keystone
3	TP8, TP9, TP10	5002	Test Point, White, Thru Hole Color Keyed	0.1"x 0.1"	5002	Keystone
1	C14	DNP	Capacitor, Ceramic, 50V, COG, 15%	0603	std	std

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