

Date: 09/3/2009			PMP5064_REVB BOM			
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C13	0.22uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	std	std
1	C17	10pF	Capacitor, Ceramic, 50V, COG, 15%	0603	std	std
1	C15	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std
2	C12, C14	220pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std
1	C10	0.33uF	Capacitor, Ceramic, 50V, X5R, 15%	0805	Std	TDK
1	C16	4700pF	Capacitor, Ceramic, 50V, X5R, 15%	0805	Std	TDK
1	C7	10uF	Capacitor, Ceramic, 25V, X7R, 15%	1210	C3225X7R1E106MT	TDK
5	C1, C2, C8, C9, C11	3.3uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	C3225X7R1H335MT	TDK
1	C100	270uF	Capacitor, Alum, 50V, 1.58Arms, 20%	0.315 inch	50VZL270uF20%10x20	Rubycon
4	C3, C4, C5, C6	470uF	Capacitor, Alum, 25V, 1.82Arms, 20%	0.315 inch	25VZLG470uF20%10x16	Rubycon
1	D1	MBR20L60CT	Diode, Dual Schottky, 20A, 60V	TO220	MBR20L60CT	On Semi
2	D2, D3	7.5V	Diode, Zener, 7.5V, 225-mW	SOT23	BZX84C7V5LT1	ON Semi
1	L1	22uH	Inductor, Toroid, 22uH, 0.63" height	1.70" Dia.	JA4472-AL	Coilcraft
1	Q1	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semi
2	Q2, Q4	IPP084N06L3G	MOSFET, N-ch, 60V, 50A, 8.1 milliOhms	TO-220	IPP084N06L3G	Infineon
1	Q3	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semi
1	Q5	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi
1	R3	3.9	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R1	10	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R11	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R8, R10	100K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R9	200K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R6	1K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R12	3.83K	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R4, R5	30.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	374K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R7	0.005	Resistor, 1W, 5%	2512	STD	STD
1	U1	TPS40210	IC, 4.5V-52V, Current Mode Boost Controller	DGQ10	TPS40210DGQ	TI
MISC						
2	J1, J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27"x 0.25"	ED555/2DS	OST
3	HS1, HS2, HS3	504222B00000G	Heatsink, TO-220 veritcal, 1" height	0.640"x 0.640"	634-xxxAyy	Wakefield
2	TP1, TP3	5010	Test Point, Red, Thru Hole	0.125"x 0.125"	5010	Keystone
3	TP2, TP4, TP8	5011	Test Point, Black, Thru Hole	0.125"x 0.125"	5011	Keystone
1	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100"x 0.100"	5000	Keystone
2	TP6, TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100"x 0.100"	5002	Keystone

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