

Date: 08/27/2009		PMP5063_REVB BOM				
COUNT	RefDes	Value	Description	Size	Part Number	MFR
2	C10, C14	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C15	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
2	C13, C16	220pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
1	C18	22pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	Std	Std
1	C1	270pF	Capacitor, Ceramic, 100V, C0G, 10%	0603	Std	Std
1	C20	4700pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C17	47pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	Std	Std
1	C6	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	0805	Std	Std
1	C21	4.7uF	Capacitor, Ceramic, 16V, X5R, 20%	0805	Std	Std
2	C2, C3	22uF	Capacitor, Ceramic, 16V, X7R, 15%	1210	C3225X7R1C226MT	TDK
2	C4, C5	3.3uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	C3225X7R1H335MT	TDK
1	C12	4700pF	Capacitor, Ceramic, 4700pF, 2KV, X7R, 10%	1812	Std	AVX
1	C19	680pF	Capacitor, Ceramic, 50V, COG, 10%	0603	Std	Std
1	D1	B340LB	Diode, Schottky, 3A, 40V	SMB	B340LB	Diodes Inc.
2	D100, D101	7.5V	Diode, Zener, 7.5V, 225-mW	SOT23	BZX84C7V5LT1	ON Semi
1	D3	MMSD4148	Diode, Switching, 100V, 200mA, 400mW,	SOD-123	MMSD4148	On Semi
1	D4	BAV99	Diode, Dual Ultra Fast, 200-mA, 70V	SOT23	BAV99	Fairchild
1	Q1	Si7414DN	MOSFET, N-Ch, 60V, 8.7A, 25 milliohm	PWRPAK 1212	Si7414DN	Vishay
1	Q100	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi
2	R8, R18	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R102	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R10, R13, R14, R21	1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	12.4K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R16, R22	24.9K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	249K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	2K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R103	30.1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R17, R101	30.1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R23	3.32K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R15	0.02	Resistor, Chip, 1/4W, 1%	1206	Std	Std
1	R2	20	Resistor, Chip, 1/4W, 1%	1206	Std	Std
1	R24	4.99K	Resistor, Chip, 1/4W, 1%	1206	Std	Std
1	T1	3.5uH	Transformer, DCM Flyback, 3.5uH, 1.5 : 1	0.453"x 0.512"	JA4467-AL	Coilcraft
1	U1	TPS40210DGQ	IC, 4.5V-52V, Current Mode Boost Controller	DGQ10	TPS40210DGQ	TI
1	U2	TCMT1107	IC, Photocoupler, 80-160% CTR	MF4	TCMT1107	Vishay
1	U3	TL431BCDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431BCDBZ	TI

MISC						
5	TP1, TP2, TP4, TP5, TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100"x 0.100"	5000	Keystone
3	TP3, TP7, TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100"x 0.100"	5001	Keystone
2	J1, J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27"x 0.25"	ED555/2DS	OST

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