

Date: 12/08/2009			PMP5143_REVC BOM			
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C13	0.1uF	Capacitor, Ceramic, 25V, X7R, 15%	0603	std	Std
1	C12	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	Std
2	C9, C11	270pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	Std
1	C10	4.7uF	Capacitor, Ceramic, 10V, X5R, 15%	0603	Std	Std
2	C3, C8	0.33uF	Capacitor, Ceramic, 50V, X5R, 15%	0805	Std	TDK
1	C15	0.01uF	Capacitor, Ceramic, 630V, X7R, 15%	1206	Std	Std
2	C4, C7	0.1uF	Capacitor, Ceramic, 250V, X7R, 15%	1210	C3225X7R2E105MT	TDK
3	C1, C5, C6	47uF	Capacitor, Alum, 250V, ±20%	16x21mm	EEVEB2E470M	Panasonic
1	C2	33uF	Capacitor, Alum, 35V, 0.36 Ohms, ±20%	6.3x5.8mm	EEEFK1V330AP	Panasonic
1	D1	120V	Diode, Zener, 120V	SMB	1SMB5951BT3	On Semi
1	D2	MURS360T3	Diode, Ultrafast, 3A, 600V	SMC	MURS320T3	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	250uH	Inductor, Coupled, 250uH	1.06"x 1.17"	JA4637-AL	Coilcraft
3	Q1, Q2, Q6	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi
1	Q3	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semi
1	Q4	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semi
1	Q5	FCP7N60	MOSFET, N-ch, 600V, 7A, 0.6 Ohms	TO-220	FCP7N60	Fairchild
2	R1, R7	10	Resistor, Chip, 1/16W, 1%	0603	std	Std
1	R17	49.9	Resistor, Chip, 1/16W, 1%	0603	std	Std
1	R18	1.74K	Resistor, Chip, 1/16W, 1%	0603	std	Std
3	R4, R5, R13	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	10K	Resistor, Chip, 1/16W, 1%	0603	std	Std
1	R20	158K	Resistor, Chip, 1/16W, 1%	0603	std	Std
1	R10	1K	Resistor, Chip, 1/16W, 1%	0603	std	Std
4	R2, R3, R8, R9	30.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	499K	Resistor, Chip, 1/16W, 1%	0603	std	Std
1	R6	549K	Resistor, Chip, 1/16W, 1%	0603	std	Std
1	R19	9.09K	Resistor, Chip, 1/16W, 1%	0603	std	Std
2	R15, R16	249K	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	R12	0.05	Resistor, 1/4 watt	1206	Std	Std
1	U1	TPS40210	IC, 4.5V-52V, Current Mode Boost Controller	DGQ10	TPS40210DGQ	TI
MISC						
1	HS1		Heatsink, TO-220/218 veritcal, 1 inch	0.64"x 0.64"	634-10ABP	Wakefield
3	J1, J2, J3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27"x 0.25"	ED555/2DS	OST
3	TP1, TP3, 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
4	TP2, TP4, 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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