

Filename: PMP2664REVB_bom.xls						
Date: 10/13/2008						
PMP2664REVB BOM						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1	4.7uF	Capacitor, Ceramic, 4.7-uF, 50-V, X7R, 15%	1210	GRM32ER71H475KA88	Murata
1	C2	220uF	Capacitor, Aluminum, 220-μF, 50-V, 20%	0.457 x 0.406	EEVFK1H221P	Panasonic
	C3	4.7uF	Capacitor, Ceramic, 4.7-uF, 50-V, X7R, 15%	1210	GRM32ER71H475KA88	Murata
1	C5	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C6	680pF	Capacitor, Ceramic, 680-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C7	27pF	Capacitor, Ceramic, 27-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C8	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
2	C9	330uF	Capacitor, Aluminum, 6.3V, 220uF, ±20%	D8	EEVFK0J331XP	Panasonic
	C10	330uF	Capacitor, Aluminum, 6.3V, 220uF, ±20%	D8	EEVFK0J331XP	Panasonic
2	C11	100uF	Capacitor, Ceramic, 100-uF, 6.3-V, X5R, 15%	1210	Std	TDK, Kemet, Murata
	C12	100uF	Capacitor, Ceramic, 100-uF, 6.3-V, X5R, 15%	1210	Std	TDK, Kemet, Murata
1	C13	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C14	0.47uF	Capacitor, Ceramic, 0.01-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C15	560pF	Capacitor, Ceramic, 560-pF, 50-V, X7R, 15%	0603	Std	TDK
1	D1	MBRS540T3	Diode, Schottky, 5-A, 40-V	SMC	MBRS540T3	On Semi
2	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
	J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	22uH	Inductor, Power, 6A, 36milliohm	0.484 x 0.484 inch	MSS1278-223MLD	Coilcraft
1	Q1	Si4447DY	MOSFET, P-ch, 40-V, 3.0-A, 54-milliohm	SO8	Si4447DY	Siliconix
2	R1	100K	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R2	0.01	Resistor, Chip, 1/8W, 1%	1206	CRCW1206-xxxx-F	Vishay
1	R3	1.0K	Resistor, Chip, 2.2-Ohms, 1/16-W, 1%	0603	Std	Std
1	R4	0	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std
1	R5	82.5K	Resistor, Chip, 82.5K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R6	3.65K	Resistor, Chip, 3.65K-Ohms, 1/16-W, 1%	0603	Std	Std
	R7	100K	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R8	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std
1	R9	23.7K	Resistor, Chip, 23.7K-Ohms, 1/16-W, 1%	0603	Std	Std

6	TP1		Test Point, Red, 1mm	0.038	240-345	Farnell
3	TP2		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP3		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP4		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP5		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP6		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP7		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP8		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP9		Test Point, Red, 1mm	0.038	240-345	Farnell
1	U1	TPS40200D	IC, Low Cost Sync Buck Controller	SO-8	TPS40200D	TI
Notes:	1. These assemblies are ESD sensitive, ESD precautions shall be observed.					
	2. These assemblies must be clean and free from flux and all contaminants.					
	Use of no clean flux is not acceptable.					
	3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.					
	4. Ref designators marked with an asterisk (***) cannot be substituted.					
	All other components can be substituted with equivalent MFG's components.					

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