

Filename: PMP4660REVD_bom.xls						
Date: 10/29/2009						
<b>PMP4660REVD BOM</b>						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
3	C1	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	C3225X7R1H475	TDK
	C2	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	C3225X7R1H475	TDK
	C3	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	C3225X7R1H475	TDK
1	C4	470pF	Capacitor, Ceramic, 50V, C0G	0603	C1608C0G1H470J	TDK
1	C5	100pF	Capacitor, Ceramic, 50V, C0G	0603	C1608C0G1H101J	TDK
1	C6	220nF	Capacitor, Ceramic, 25V, X5R, 20%	0603	C1608X5R1E224M	TDK
1	C7	0.1uF	Capacitor, Ceramic, 50V, X5R, 20%	0603	C1608X5R1H104M	TDK
1	C8	1nF	Capacitor, Ceramic, 50V, X5R, 20%	1210	C3225X5R1H102M	TDK
6	C9	22uF	Capacitor, Ceramic, 16V, 10%, X7R	1210	C3225X7R1C226M	TDK
	C10	22uF	Capacitor, Ceramic, 16V, 10%, X7R	1210	C3225X7R1C226M	TDK
	C11	22uF	Capacitor, Ceramic, 16V, 10%, X7R	1210	C3225X7R1C226M	TDK
1	C12	33nF	Capacitor, Ceramic, 50V, X5R, 10%	0603	C1608X5R1H333K	TDK
1	C13	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0805	C2012X5R1E105M	TDK
1	C14	4.7nF	Capacitor, Ceramic, 50V, C0G	0603	C1608C0G1H472J	TDK
	C15	22uF	Capacitor, Ceramic, 16V, 10%, X7R	1210	C3225X7R1C226M	TDK
	C16	22uF	Capacitor, Ceramic, 16V, 10%, X7R	1210	C3225X7R1C226M	TDK
	C17	22uF	Capacitor, Ceramic, 16V, 10%, X7R	1210	C3225X7R1C226M	TDK
1	C18	1uF	Capacitor, Ceramic, 25V, X7R, 20%	0805	C2012X7R1E105M	TDK
1	C19	1uF	Capacitor, Ceramic, 50V	1206	Std	Std
1	C20	470pF	Capacitor, Ceramic, 50V, C0G	0603	C1608C0G1H470J	TDK
1	C21	15nF	Capacitor, Ceramic, 50V, C0G	0603	C1608C0G1H153J	TDK
1	C22	100nF	Capacitor, Ceramic, 50V, X5R, 20%	0603	C1608X5R1H104M	TDK
1	D1	BAS16	Diode, Switching, 200mA, 75V, 225mW	SOT23	BAS16	On Semi
1	D2	MBRS360T3	Diode, Schottky, 3-A, 60-V	SMC	MBRS340T3	On Semi
2	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
	J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	22uH	Inductor, SMT, 6A, 25.7-milliohms	0.543 x 0.516 inch	HC9-220-R	Cooper
1	Q1	SiR426DP	MOSFET, NChannel, 40V, 12.8A, 10.5mOhm	PWRPAK S0-8	SiR426DP	Vishay-Siliconix
1	Q2	SiR422DP	MOSFET, NChannel, 40V, 16.4A, 6.6mOhm	PWRPAK S0-8	SiR422DP	Vishay-Siliconix
1	R1	187k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	2.49k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	243k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	205k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	0	Resistor, Chip, 1/16W, 5%	0603	Std	Std
2	R6	4.64	Resistor, Chip, 1/10W, 5%	0805	Std	Std

1	R7	3.32	Resistor, Chip, 1/10W, 5%	0805	Std	Std
1	R8	3.32k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R9	4.64	Resistor, Chip, 1/10W, 5%	0805	Std	Std
1	R10	1	Resistor, Chip, 1/8W, 5%	1210	Std	Std
1	R11	100	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	1.24k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
7	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP10	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP11	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS40055PWP	IC, Wide Input Synchronuos Buck Controller, 10-40 V Input	PWP16	TPS40055PWP	Texas Instruments
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.					