

Filename: PMP4721REVB_bom.xls						
Date: 02/10/2010						
<b>PMP4721REVB BOM</b>						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1	22uF	Capacitor, Ceramic, 16V, X7R	1210	C3225X7R1C226M	TDK
	C2	22uF	Capacitor, Ceramic, 16V, X7R	1210	C3225X7R1C226M	TDK
1	C4	10nF	Capacitor, Ceramic, 50V, NP0	0603	Std	TDK
1	C5	1nF	Capacitor, Ceramic, 50V, X7R	0603	Std	Std
2	C6	470uF	Capacitor, Polymer, 2V, 3Arms, 9milliOhm	7343	EEFSX0D471ER	Panasonic
3	C7	1uF	Capacitor, Ceramic X7R, 16V	0603	C1608X7R1C105M	TDK
1	C8	220nF	Capacitor, Ceramic, 16V, X7R	0603	C1608X7R1C224M	TDK
2	C9	3.3nF	Capacitor, Ceramic, 50V, NP0	0603	Std	TDK
	C10	1uF	Capacitor, Ceramic X7R, 16V	0603	C1608X7R1C105M	TDK
	C11	1uF	Capacitor, Ceramic X7R, 16V	0603	C1608X7R1C105M	TDK
1	C12	4.7uF	Capacitor, Ceramic X5R, 10V	0603	C1608X5R1A475M	TDK
	C13	470uF	Capacitor, Polymer, 2V, 3Arms, 9milliOhm	7343	EEFSX0D471ER	Panasonic
1	C14	27pF	Capacitor, Ceramic, 50V, NP0	0603	Std	TDK
	C15	3.3nF	Capacitor, Ceramic, 50V, NP0	0603	Std	TDK
1	J1	PEC36DAAN	Header, Male 2x4-pin, 100mil spacing (36-pin strip)	0.20 x 0.40 inch	PEC36DAAN	Sullins
2	J2	ED555/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	J3	PEC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC36SAAN	Sullins
	J4	ED555/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L1	1.3uH	Inductor, SMT, 20A, 2.62milliohm	11.2mm x 10.5mm, height 5.3mm	MLC1250-132MLC	Coilcraft
2	Q1	CSD16322Q5	MOSFET, N-Chan, 25V, 21 A, 4.6 milli-ohm	QFN-8 POWER	CSD16322Q5	TI
	Q2	CSD16322Q5	MOSFET, N-Chan, 25V, 21 A, 4.6 milli-ohm	QFN-8 POWER	CSD16322Q5	TI
1	R1	10k	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R2	1	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R3	23.2k	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R4	1	Resistor, Thickfilm, 1/4 watt, ± 5%	1206	Std	Std
1	R5	OPEN	open	0603	Std	Std
1	R6	604	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	23.2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	49.9	Resistor, Chip, 1/16W, 0.5%	0603	Std	Std
2	R100	3.3	Resistor, Chip, 1/16W, 5%	0603	Std	Std
	R101	3.3	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	TP1	VIN	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP2	GND	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP3	PGOOD	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone

1	TP4	BP	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP5	REF	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP6	SW	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP7	VOUT	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP8	GND	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP11	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP12	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	U1	TPS40197RGY	IC, 4.5V to 20V Sync Buck Ctrl w/ 4-bit VID i/f & PG	QFN-16	TPS40197RGY	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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