Filename: PMP5528 REV_A_bom.xls
Date: 05/20/2010

PMP5528 REV_A BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	4.7uF	Capacitor, Ceramic, 6.3-V, X5R, 15%	0805	Std	TDK
1	C2	dnp	Capacitor, Ceramic, 100-V, X7R, 10%	0603	Std	TDK
2	C3	0.01uF	Capacitor, Ceramic, 50-V, X7R, 10%	0603	Std	Std
1	C4	10pF	Capacitor, Ceramic, 50-V, C0G, 5%	0603	Std	TDK
	C5	0.01uF	Capacitor, Ceramic, 50-V, X7R, 10%	0603	Std	Std
1	C6	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	0805	C2012X7R2A104K	TDK
2	D1	BAS40-04	Diode, Dual series Schottky, 40-V, 200mA	SOT23	BAS40-04-7-F	Diodes
	D2	BAS40-04	Diode, Dual series Schottky, 40-V, 200mA	SOT23	BAS40-04-7-F	Diodes
3	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
	J3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	10uH	Inductor, 0.47A, 914-milliohm	0.080 x 0.080 inch	EPL2010-103ML	Coilcraft
1	Q1	2N7002	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002	Diodes
1	R1	100K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R2	dnp	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R3	182K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R4	2.21M	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R5	80.6K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
4	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	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	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS61041DBV	IC, High Efficiency Boost Converter	SOT23-5 (DBV)	TPS61040DBV	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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