Filename: PMP4629 REV_B_bom.xls

Date: 08/10/2009

PMP4629 REV_B BOM

COUNT		Value	Description	Size	Part Number	Mfr
1	C2	220uF	Capacitor, Electrolytic, High Current, KZE Series, 20%	0.492 inch	EKZE630ESS221MJ25S	Nippon Chemicon
2	C3	3.3uF	Capacitor, Ceramic, 50-V, X5R, 20%	1210	C3225X5R1H335M	TDK
	C4	3.3uF	Capacitor, Ceramic, 50-V, X5R, 20%	1210	C3225X5R1H335M	TDK
1	C5	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	C1608C0G1H101J	TDK
1	C6	3.9nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C7	39pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C8	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
3	C9	100uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	C3225X5R0J107M	TDK
	C11	100uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	C3225X5R0J107M	TDK
	C12	100uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	C3225X5R0J107M	TDK
1	C13	470pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C14	0.47uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	C1608X7R1C474M	TDK
1	C15	560pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	D1	MBRD660CT	Diode, Schottky, 6-A, 60-V	DPAK	MBRD660CT	ON Semiconductor
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	L2	15uH	Inductor, SMT, 7.3-A, 30-milliohm	0.484 x 0.484 inch	MSS1278-153ML	Coilcraft
1	Q1	SQD19P06-60L	MOSFET, P-ch, 60-V, 19-A, 55 milli-Ohm	DPAK	SQD19P06-60L	Vishay
2	R1	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	0.01	Resistor, 1/2W, yy%	1210	Std	Std
1	R3	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	41.2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	2.87k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R7	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	19.6k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	TP1		Test Point, Red, 1mm	0.038	240-345	Farnell
3	TP2		Test Point, Black, 1mm	0.038	240-333	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	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.

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