

Filename: PMP4685REVC_bom.xls							
Date: 12/10/2009							
	PMP4685REVC BOM						
COUNT	RefDes	Value	Description	Size	Part Number	MFR	Area
1	C1	100p	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
2	C2	1u	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std	5650
1	C3	220pF	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C4	10nF	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C5	0.1u	Capacitor, Ceramic, 50V	0603	std	std	5650
	C7	1u	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std	5650
1	C9	330p	Capacitor, Ceramic, vvV, [temp], [tol]	0603	std	std	5650
2	C10	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	C3225X7R1H475M	TDK	83,600
	C11	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	C3225X7R1H475M	TDK	83,600
2	C13	47uF	Capacitor, Aluminum, 50V, 20%	0.260 x 0.276 inch	EEVFK1H470XP	Panasonic	106,140
	C27	47uF	Capacitor, Aluminum, 50V, 20%	0.260 x 0.276 inch	EEVFK1H470XP	Panasonic	106,140
1	C100	470pF	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata	5650
1	D1	MBRS540T3	Diode, Schottky, 5-A, 40-V	SMC	MBRS540T3	On Semi	95000
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST	141600
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST	141600
1	L1	8.2uH	Inductor, SMT, 5.54Arms, 17.6milliohm	0.492 x 0.492 inch	DR125-8R2-R	Cooper	280500
1	Q1	BSZ165N04NSG	MOSFET, Fast Switching, NChan, 40V, 16.5milliOhm	PWRPAK 1212	BSZ165N04NS G	Infineon	27200
1	R1	316k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R2	59k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R3	2.00k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R5	78.7k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R6	4.7	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R7	0	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R9	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R10	1k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R11	0.02	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std	15390
1	R100	1	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std	15390
3	TP1	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	
2	TP2	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	
2	TP4	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
	TP5	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
1	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	
	TP10	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	

	TP11	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	
1	U1	TPS40210DGS	IC, Low Cost Non-Synchronous Boost Controller	DGS10	TPS40210DGS	TI	26780
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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