

Filename: PMP5657REVB_12V_BILLOFMATERIALS_bom.xls						
Date: 05/03/2011						
	PMP5657REVB_12V_BILLOFMATERIALS BOM					
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	270pF	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std
1	C2	220nF	Capacitor, Ceramic, 16V, [temp], [tol]	0603	std	std
1	C3	150pF	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std
1	C4	22nF	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std
1	C5	1u	Capacitor, Ceramic, 50V	0805	Std	Std
1	C7	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std
1	C9	270pF	Capacitor, Ceramic, vvV, [temp], [tol]	0603	std	std
1	C27	220uF	Capacitor, Electrolytic, SMT, 220uF, 50Vdc	0.457 x 0.406	EEEVFK1H221P	Panasonic
2	C11-12	22uF	Capacitor, Ceramic, X7R, 16V	1210	C3225X7R1C226M	TDK
2	C13-14	330uF	Capacitor, Aluminum Electrolytic, 25V, ±20%	0.328 x 0.390 inch	EEEFK1E3311P	Panasonic
4	C8 C10 C15 C28	4.7uF	Capacitor, Ceramic, X7R, 50V	1210	C3225X7R1H475M	TDK
1	D1	B560C	Diode, 5A, 60V	SMC	B560C	Diodes Inc.
1	D3	6.8V	Diode, Zener, 6.8V	SOD-323	MMSZ5235BS-7-F	Diodes
1	D4	4.7V	Diode, Zener, 4.7V	SOD-323	MMSZ5230BT1	Diodes
2	J1-2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L2	22uH	Inductor, SMT Dual Winding, 3.78A, 79milliohm	0.492 x 0.492 inch	DRQ127-220R	Cooper
1	Q2	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi
1	Q3	Si7850DP	MOSFET, NChannel, 60V, 10.3 A, 0.022 millohm	PWRPAK S0-8	Si7850DP	Vishay
1	R1	205k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R2	100k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R3	3.09k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R5	49.9k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R8	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R10	1k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R11	0.025	Resistor, Chip, 1/2W, 1%	1812	Std	Std
1	R17	237k	Resistor, Chip, 1/16W, 1%	0805	Std	Std
2	R16 R18	20k	Resistor, Chip, 1/16W, 1%	0805	Std	Std
2	R6-7	4.7	Resistor, Chip, 1/16W, 1%	0603	std	std
1	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP1 TP8 TP11	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone

2	TP2 TP10	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
2	TP4-5	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	TPS40210DGS	IC, Low Cost Non-Synchronous Boost Controller	DGS10	TPS40210DGS	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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