

Filename: PMP5672REVB_BILLOFMATERIALS_bom.xls						
Date: 04/19/2011						
PMP5672REVB_BILLOFMATERIALS BOM						
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C6	470uF	Capacitor, Aluminum Electrolytic, 16V, ±20%	0.328 x 0.390 inch	EEEFK1C471P	Panasonic
1	C7	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C8	330nF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
1	C9	8.2nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C18	270pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
1	C28	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
1	C29	4.7nF	Capacitor, Ceramic, 50V, X7R, 10%	1206	Std	Std
1	C30	5.6nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C31	47nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
4	C1-4	22uF	Capacitor, Ceramic, 16V, X7R	1210	C3225X7R1C226M	TDK
2	C19-20	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
4	C24-27	470uF	Capacitor, Polymer Alum. 2V, 3milliOhm	7343	EEFGX0D471R	Panasonic
1	D101	MBR340A	Diode, Schottky, 3000-mA, 40-V	SMA	D.N.I.	ONsemi
2	J1-2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED1609-ND	DIGIKEY
4	J3-6	PTC36SAAN	Header, 3-pin, 100mil spacing, (36-pin strip)	0.100 inch x 3	PTC36SAAN	Sullins
2	J7-8	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
1	L1	600nH	Inductor, SMT, 41-Arms, 0.74-milliohm	0.790 x 0.770 inch	SER2009-601MLD	Coilcraft
1	Q2	CSD16322Q5	MOSFET, N-Chan, 25V, 21 A, 4.6 milli-ohm	QFN-8 POWER	CSD16322Q5	TI
2	Q5-6	CSD16321Q5	MOSFET, N-Chan, 25V, 31 A	QFN-8 POWER	CSD16321Q5	TI
4	Q7-10	NTA4153N	MOSFET, N-Ch 20V, 915 mA, ESD Protection	SC-75	NTA4153N	On Semi
1	R3	6.34k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	1	Resistor, Chip, 1/2W, 1%	2010	STD	Vishay
1	R6	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	2.05k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	301	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	22.6k	Resistor, Chip, 1/16W, 1%	0603	Std	Susumu
1	R13	45.3k	Resistor, Chip, 1/16W, 1%	0603	Std	Susumu
1	R14	88.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Susumu
1	R15	178k	Resistor, Chip, 1/16W, 1%	0603	Std	Susumu

1	R16	15.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	open	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R1 R8	1	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R10 R18	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R4 R2	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	SH1		Short jumper			
3	TP1 TP3-4	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	5005	Keystone
2	TP2 TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP6-7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	TPS40303DRC	IC, 3V-20V sync. Buck controller, 600kHz	DRC10	TPS40304ADRC	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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