

Filename: PMP5596REVA_bom.xls							
Date: 10/12/2010							
PMP5596REVA BOM							
COUNT	RefDes	Value	Description	Size	Part Number	Mfr	Area
1	C4	22uF	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std	28000
1	C6	330uF	Capacitor, Aluminum Electrolytic, 25V, ±20%	0.328 x 0.390 inch	EEEFK1E331P	Panasonic	161,100
1	C7	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std	5650
1	C8	220nF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std	5650
1	C9	2.2nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std	5650
1	C15	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std	5650
1	C16	100uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	GRM32ER60J107ME20	muRata	28000
1	C18	68pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std	5650
2	C19	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std	5650
	C20	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std	5650
1	C29	1nF	Capacitor, Ceramic, 50V, X7R, 10%	1206	Std	Std	15390
1	C30	1.8nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std	5650
1	C31	47nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std	5650
1	D101	MBRA140	Diode, Schottky, 1-A, 40-V	SMA	MBRA140	ONsemi	29520
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED1609-ND	DIGIKEY	141600
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED1609-ND	DIGIKEY	141600
2	J7	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins	20000
	J8	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins	20000
1	L1	2.2uH	Inductor, SMT, 4.92Asat, 7.2milliohm	0.402 x 0.394 inch	MSS1048-222NLC	Coilcraft	199280
2	Q2	CSD16412Q5A	MOSFET, N-Chan, 25V, 52A, 13milli-ohm	QFN-8 POWER	CSD16412Q5A	TI	86800
	Q6	CSD16412Q5A	MOSFET, N-Chan, 25V, 52A, 13milli-ohm	QFN-8 POWER	CSD16412Q5A	TI	86800
2	R1	3.3	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R2	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R3	8.25k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R4	1	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R5	2.2	Resistor, Chip, 1/8W, 5%	1206	Std	Std	20000
1	R6	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R7	3.24k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
	R8	3.3	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R9	187	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
2	R10	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650

1	R11	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R16	15k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R17	open	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
	R18	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	SH1		Short jumper				0
3	TP1	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	5005	Keystone	10
2	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP3	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	5005	Keystone	10
	TP4	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	5005	Keystone	10
	TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
2	TP6	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
	TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
1	U1	TPS40304DRC	IC, 3V-20V sync. Buck controller, 600kHz	DRC10	TPS40304DRC	TI	30400
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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