

Date: 09/08/2010						
PMP5575RevB bom						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
4	C1, C2, C3, C4	22uF	Capacitor, Ceramic, 16V, X7R	1210	C3225X7R1C226M	TDK
1	C18	270pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
2	C19, C20	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
4	C24, C25, C26, C27	470uF	Capacitor, Polymer Alum. 2V, 5milliOhm	7343	EEFSX0D471E4	Panasonic
1	C28	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
1	C29	10nF	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
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	D101	MBRS340A	Diode, Schottky, 3000-mA, 40-V	SMA	MBRA340	ONsemi
2	J1, J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED1609-ND	DIGIKEY
2	J7, J8	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
3	Q2, Q5, Q6	CSD16325Q5	MOSFET, N-Chan, 25V, [TBD] A, 4.5 milli-ohm	QFN-8 POWER	CSD16325Q5	TI
1	R1	1	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R10, R18	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	12.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	open	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	6.34k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R4, R8	3.3	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	5.49k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	301	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	SH1		Short jumper			
3	TP1, TP3, TP4	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, TP7	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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