

Filename: PMP5591REVA_bom.xls							
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PMP5591REVA BOM							
COUNT	RefDes	Value	Description	Size	Part Number	MFR	Area
1	C1	10uF	Capacitor, Ceramic, 10uF, 25V, X7R, 15%	1210	C3225X7R1E106M	TDK	24200
1	C4	470uF	Capacitor, Electrolytic, SMT, 470uF, 25VDC	0.457 x 0.406	EEEVFK1E471P	Panasonic	225,848
3	C5	220nF	Capacitor, Ceramic, 220nF, 25V, X7R, 15%	0603	Std	Std	5650
2	C8	10uF	Capacitor, Ceramic, 10V, X5R, 15%	0805	C2012X5R1A106M	TDK	10560
	C9	10uF	Capacitor, Ceramic, 10V, X5R, 15%	0805	C2012X5R1A106M	TDK	10560
1	C10	100uF	Capacitor, Ceramic, 6.3V, 15%, X5R	1210	C3225X5R0J107M	TDK	28000
1	C12	1nF	Capacitor, Ceramic, 50V, X7R, 10%	0805	Std	Std	10560
	C13	220nF	Capacitor, Ceramic, 220nF, 25V, X7R, 15%	0603	Std	Std	5650
	C14	220nF	Capacitor, Ceramic, 220nF, 25V, X7R, 15%	0603	Std	Std	5650
1	C15	1uF	Capacitor, Ceramic, 1uF, 16V, X7R, 15%	0603	Std	Std	5650
1	D1	MBRA140	Diode, Schottky, 1-A, 40-V	SMA	MBRA140	ONsemi	29520
2	J1		Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35"	ED1609	OST	148830
	J2		Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35"	ED1609	OST	148830
1	L1	2.2uH	Inductor, SMT, 4.92Asat, 7.2milliohm	0.402 x 0.394 inch	MSS1048-222NLC	Coilcraft	199280
2	Q1	CSD16412Q5A	MOSFET, N-Chan, 25V, 52A, 13milli-ohm	QFN-8 POWER	CSD16412Q5A	TI	86800
	Q2	CSD16412Q5A	MOSFET, N-Chan, 25V, 52A, 13milli-ohm	QFN-8 POWER	CSD16412Q5A	TI	86800
1	R1	3.24k	Resistor, Chip, 3.24k Ohms, 1/16-W, 1%	0603	Std	Std	5650
3	R2	0	Resistor, Chip, 1/16W, 5%	0603	Std	Std	5,650
	R3	0	Resistor, Chip, 1/16W, 5%	0603	Std	Std	5,650
	R4	0	Resistor, Chip, 1/16W, 5%	0603	Std	Std	5,650
1	R5	7.87k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R6	2.2	Resistor, Chip, 1/4-W, 5%	1206	Std	Std	15390
1	R7	10k	Resistor, Chip, 10k Ohms, 1/16-W, 1%	0603	Std	Std	5650
2	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
3	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
1	TP6	5014	Test Point, Yellow, Thru Hole	0.125 x 0.125 inch	5014	Keystone	10
1	U1	TPS53114PWP	IC, Adaptive on-time D-CAP2 Mode Sync Buck Ctrl	HTSSOP-16	TPS53114PWP	TI	83200

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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