Filenam	e: PMP8670RE	VA2_BILLOFMA	TERIALS_bom.xls				
Date: 08	3/23/2013						
	PMP86	670REVA2	2_BoM				
COUNT	RefDes	Value	Description	Size	Part Number	MFR	Area
1	C4	1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std	5650
1	C4 C5	100nF	Capacitor, Ceramic, 10V, X7R, 10%	0603	Std	Std	5650
1	C9	22uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	Std	Std	15390
1	C10	10nF	Capacitor, Ceramic, 10V, X7R, 10%	0603	Std	Std	5650
1	C10 C11	4.7uF	Capacitor, Ceramic, 10V, X7R, 10%	0603	Std	Std	5650
1	C11 C12	2.2nF		0603	Std	Std	5650
			Capacitor, Ceramic, 50V, X7R, 10%				
1	C13	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std	5650
3	C1-3	22uF	Capacitor, Ceramic, 22V, X7R, 20%	1210	Std	Std	28000
3	C6-8	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	Std	Std	15390
1	D1		Diode, Schottky, 10 mA, 30 V	SOD523	BAT54XV2T1	On Semi	8125
2	J1-2		Connector,15A, 300V Male 2 Pole, 5.08 mm	9x12 mm	ED120/2DS	On Shore Tech	119 mm
1	L1	470nH	Inductor, 0.8milliOhm, 20.5Adc	10.0 x 10.9 mm	7443330047	Wurth Elektronik	143.00 mm
1	Q1		MOSFET, N-Chan, 30V, 50A, 15.5milli-ohm	QFN-8 POWER	CSD17327Q5A		86800
1	Q2		MOSFET, NChan, 30V, 100A, 2.9 milli Ohm	QFN-8 POWER	CSD17301Q5A		86800
1	R2	0	Resistor, Chip, 1/10W, 1%	0603	Std	Std	5,650
1	R3	23.7k	Resistor, Chip, 1/10W, 1%	0603	Std	Std	5,650
1	R4	OPEN	Resistor, Chip, 1/10W, 1%	0603	Std	Std	5,650
1	R5	3.32	Resistor, Chip, 1/10W, 1%	0603	Std	Std	5,650
1	R7	2.21	Resistor, Chip, 1/10W, 1%	0603	Std	Std	5,650
1	R9	1	Resistor, Chip, 1/4W, 1%	0805	Std	Std	10560
1	R11	150	Resistor, Chip, 1/10W, 1%	0603	Std	Std	5,650
2	R1 R10	6.81k	Resistor, Chip, 1/10W, 1%	0603	Std	Std	5,650
2	R6 R8	1.00k	Resistor, Chip, 1/10W, 1%	0603	Std	Std	5,650
1	S1	G12AP-RO	Switch, ON-NONE-ON	0.28 x 0.18 inch	G12AP-RO	NKK	48852
1	SH1		Short jumper				
4	TP1 TP3 TP6-7	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	
4	TP2 TP8-10	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	
2	TP4-5	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone	
1	U1	TPS53014DGS	IC, SINGLE, Sync Buck Ctrl	VSSOP	TPS53014DGS	TI	28.43 mm

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 designa	tors marked wit	th an asterisk ('**') cannot be substituted.					
	All other components can be substituted with equivalent MFG's components.							

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