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PMP9127_REVB_BOM.xls 10/21/2013 10:21:35 AM PMP9127 Rev B Bill of Materials

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
Designator C1, C2, C3, C4, C5, C6, C7,	Quantity 8	2.2uF	CAP. CERM. 2.2uF. 100V. +/-10%. X7R. 1210	1210	GRM32ER72A225KA35L	Manufacturer
C1, C2, C3, C4, C5, C6, C7, C8	0	2.2UF	UAF, ULININ, 2.201, 100V, +/-10%, A/R, 1210	1210	GINWSZER I ZAZZORAJOL	wunald
C9, C21, C22, C24, C33	5	0.1uF	CAP, CERM, 25V, +/-10%, X7R, 0402	0402	STD	STD
C10, C102	2	0.047uF	CAP, CERM, 0.047uF, 250V, +/-10%, X7R, 1206	1206		MuRata
C10, C102	1	220pF	CAP, CERM, xxV, +/-10%, X7R, 0603	0603	STD	STD
C12, C13, C14, C15, C16,	9	4.7uF	CAP CER 10UF 50V 20% X7R 1210	1210	C1210C106M5R2C7186	Kemet
C17, C18, C19, C20	3	4.701		1210	0121001000031207100	Kennet
C23	1	100pF	CAP, CERM, 50V, +/-10%, X7R, 0402	0402	STD	STD
C25	1	0.047uF	CAP, CERM, 25V, +/-10%, X7R, 0402	0402	STD	STD
C26, C27, C28, C31	4	22uF	CAP, CERM, 25V, +/-10%, X7R, 1210	1210	STD	STD
C20, C27, C28, C31 C29	1	1000pF	CAP, CERM, 25V, +/-10%, X7R, 1210	0402	STD	STD
C30	1	0.01uF	CAP, CERM, 25V, 4/-10%, X7R, 0402	0402	STD	STD
C32	1	1000pF	CAP, CERM, 1000pF, 3kV, 1808	1808	STD	STD
C34	1	1uF	CAP, CERM, 16V, +/-10%, X5R, 0402	0402	STD	STD
C35	1	2200pF	CAP, CERM, 50V, +/-10%, X7R, 0402	0402	STD	STD
C33	1	4.7uF	CAP, CERM, 300, 4710 %, X7R, 0402	1210	GRM32ER71H475KA88L	MuRata
C100	1	0.22uF	CAP, CERM, 10V, +/-10%, X7R, 0402	0402	STD	STD
C100	1	3300pF	CAP, CERM, 10V, +/-10%, X7R, 0402	0402	STD	STD
D1, D5, D7, D9, D10	5	1.4V	Diode, Ultrafast, 100V, 0.25A, SOD-323	SOD-323	BAS316,115	NXP Semiconductor
D1, D3, D7, D3, D10	2	400V	Diode, Ultrafast, 400V, 1A, SMA	SMA	RS1G-13-F	Diodes Inc.
D3, D4, D6, D8	4	200V	Diode, Switching, 200V, 0.2A, SOD-123	SOD-123	BAV21W-7-F	Diodes Inc.
D3, D4, D0, D0	1	15V	Diode, Zener, 15V, 225mW, SOT-23	SOT-23	MMBZ5245BLT1G	ON Semiconductor
L1	1	50uH	Inductor, Wirewound, Ferrite, 50uH, 7.4A, 0.0326 ohm, SMD	21.7x12.5x21.5mm	PG1083.503NL	Pulse Engineering
L1 L2	1	1mH	Inductor, Wilewound, Fernie, Souri, 7:44, 0:0326 onin, SMD	LPS4414	LPS4414-105MLB	Coilcraft
Q1. Q4	2	150V	MOSFET, N-CH, 150V, 35A, PQFN08A	PQFN08A	FDMS86200	Fairchild Semiconductor
Q2	1	-30V	MOSFET P-CH 150V, 35A, PQPN06A	SOIC-8	IRF6216TRPBF	International Rectifier
Q2 Q3, Q5	2	-30V 20V	MOSFET P-CH 150V 2.2A 6-SOIC MOSFET N CH 200V 3.7A SO-8	SOIC-8	IRF7820PBF	International Rectifier
Q7	1	0.2V	Transistor, NPN, 40V, 0.2A, SOT-23	SOT-23	MMBT3904	Fairchild Semiconductor
R1, R10	2	49.9k	RES, 1%, 0.25W, 1206	1206	STD	STD
R2, R11, R14, R21, R24	5	49.9K	RES, 1%, 0.25W, 1206 RES, 1%, 0.063W, 0402	0402	STD	STD
R3, R4, R9, R20	4	10k	RES, 1%, 0.063W, 0402	0402	STD	STD
R5	1	3.0	RES, 1%, 0.000W, 0402 RES, 1%, 0.125W, 0805	0805	STD	STD
R6, R8, R23, R26, R27, R100	6	1k	RES, 1%, 0.063W, 0402	0402	STD	STD
R7	1	20	RES, 1%, 0.003W, 0402 RES, 1%, 1W, 2512	2512	STD	STD
R12	1	191k	RES, 1%, 0.063W, 0402	0402	STD	STD
R13	1	80.6k	RES, 1%, 0.063W, 0402	0402	STD	STD
R15	1	22.1k	RES, 1%, 0.063W, 0402	0402	STD	STD
R16, R22, R28, R31	4	100k	RES, 1%, 0.063W, 0402	0402	STD	STD
R17, R18	2	3.01k	RES, 1%, 0.063W, 0402	0402	STD	STD
R19	1	90.9k	RES, 1%, 0.063W, 0402	0402	STD	STD
R19 R25	1	4.99k	RES, 1%, 0.055W, 0402 RES, 1%, 0.25W, 1206	1206	STD	STD
R29	1	25.5k	RES, 1%, 0.063W, 0402	0402	STD	STD
R32	1	12.7k	RES, 1%, 0.063W, 0402	0402	STD	STD
R33	1	100	RES, 1%, 0.063W, 0402	0402	STD	STD
R101	1	2.00k	RES, 1%, 0.25W, 1206	1206	STD	STD
R102	1	33k	RES, 1%, 1W, 2512	2512	STD	STD
T1	1	48 uH	Transformer, 68 uH, SMT	750X358X940 mil	PA4017NL	Pulse Engineering
T2	1		SMT Current Sense Tranformer	P82xx	PA4017NL PA1005.100NL	Pulse Engineering
TP1, TP2, TP5	3		PCB Pin, solderless Pressfit, Tin over Nickel	PCB Pin	8600-0-05-80-00-00-03-0	Mill-Max
TP3, TP4	2	+	PCB Pin, solderless Pressitt, Tin over Nickel	PCB Pin PCB Pin	8952-0-05-80-00-00-03-0	Mill-Max
U1, U2, U4	3	1	Single-Channel High-Speed Low-Side Gate Driver (with 4-A Peak Source and 8-A Peak		UCC27511DBV	Texas Instruments
01, 02, 04	5		Sink), DBV0006A	DBV0000A	0002/311060	rexas instruments
U3	1		Advanced Active Clamp PWM Controller with Current Control, -40 to +125 degC, 20-pin	RGP0020D	UCC2897ARGPR	Texas Instruments
			QFN (RGP), Green (RoHS & no Sb/Br)			
U5	1		50-V Input Voltage, 50-mA, Very High Voltage LINEAR REGULATOR, DGN0008B	DGN0008B	TPS7A4101DGN	Texas Instruments
U6	1		OPTOCOUPLR PHOTOTRANS 125% 4LSOP	8x2x4mm	VOL618A-2T	Vishay-Semiconductor
U7	1		PRECISION PROGRAMMABLE REFERENCE, DBZ0003A	DBZ0003A	TL431AIDBZ	Texas Instruments
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Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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