

Filename:	PMP9068_RevB_BOM.xlsx					
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PMP9068 RevB BOM						
Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C15	1	47pF	CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0402	402	GRM1555C1H470JZ01	MuRata
C12	0	DNP	CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0402	402	GRM1555C1H470JZ01	MuRata
C16	1	0.015uF	CAP, CERM, 0.015uF, 16V, +/-10%, X7R, 0402	402	GRM155R71C153KA01D	MuRata
C17	1	0.047uF	CAP, CERM, 0.047uF, 16V, +/-10%, X7R, 0402	402	C1005X7R1C473K	TDK
C14	1	0.1uF	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	402	GRM155R71C104KA88D	MuRata
C19	1	0.22uF	CAP, CERM, 0.22uF, 10V, +/-10%, X5R, 0402	402	GRM155R61A224KE19D	MuRata
C3, C7, C8	3	0.01uF	CAP, CERM, 0.01uF, 100V, +/-10%, X7R, 0603	603	C1608X7R2A103K	TDK
C13	1	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	603	C1608X7R1C105K	TDK
C11	0	DNP	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	603	C1608X7R1C105K	TDK
C18	1	0.1uF	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	805	C2012X7R2A104K	TDK
C6, C9	2	1000pF	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1206_190	1206_190	202R18W102KV4E	Johanson Technology
C2	1	1uF	CAP, CERM, 1uF, 100V, +/-20%, C Series, 1206	1206	C3216X7R2A105M	TDK
C10	1	10uF	CAP, CERM, 10uF, 16V, +/-10%, X7R, 1206	1206	GRM31CR71C106KAC7L	MuRata
C4, C5	2	47uF	CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1206	1206	C3216X5R0J476M	TDK
C1	1	10uF	CAP, AL, 10uF, 63V, +/-20%, 1.5 ohm, SMD	SMT Radial D	EEE-FK1J100P	Panasonic
D1	1		Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323	BAT54WS-7-F	Diodes Inc.
D2, D7	2		Diode, P-N, 150V, 0.2A, SOD-323	SOD-323	BAV20WS-TP	Micro Commercial Components
D8	0	DNP	Diode, P-N, 150V, 0.2A, SOD-323	SOD-323	BAV20WS-TP	Micro Commercial Components
D3, D4	2		Diode, Switching-Bridge, 100 V, 0.5 A, DFN3030-4	DFN3030-4	SBR05M100BLP	Diodes Inc.
D5, D6	2	15V	Diode, Zener, 15V, 500mW, SOD-123	SOD-123	MMSZ5245B-7-F	Diodes Inc.
D9	1		Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323	BAT54HT1G	ON Semiconductor
D10	1	58V	Diode, TVS, Uni, 58 V, 400 W, SMA	SMA	SMAJ58A	Diodes Inc.
J1	1		RJ-45, Right Angle, No LED, tab up	16.26x14.54x15.75	1-406541-1	AMP
J2	1		Header, 100mil, 4x1, Gold, TH	4x1 Header	TSW-104-07-G-S	Samtec
J3	1		Header, 50mil, 2x1 TH	Header2x1 50 mil pitch	TBSTC-501-D-200-22-G-300-LF	Major League Electronics
L1	1	3.3uH	Inductor, Shielded, Ferrite, 3.3uH, 1.1A, 0.15 ohm, SMD	EPL2014	EPL2014-332MLB	Coilcraft
Q1	1		MOSFET, N-CH, 30 V, 5.3 A, SOT-23	SOT-23	IRLML0030TRPBF	International Rectifier
Q2	1		MOSFET, N-CH, 150 V, 1.6 A, SSOT-3	SSOT-3	FDN86246	Fairchild Semiconductor
Q3	1		Transistor, NPN, 40 V, 0.2 A, SOT-416	SOT-416	MMBT3904TT1G	ON Semiconductor
R11, R22, R26	3	0	RES, 0 ohm, 5%, 0.063W, 0402	402	ERJ-2GE0R00X	Panasonic
R27, R28	0	DNP	RES, 0 ohm, 5%, 0.063W, 0402	402	ERJ-2GE0R00X	Panasonic
R5	1	1.5	RES, 1.50 ohm, 1%, 0.063W, 0402	402	CRCW04021R50FKED	Vishay-Dale
R2, R3	2	10	RES, 10 ohm, 5%, 0.063W, 0402	402	CRCW040210R0JNED	Vishay-Dale
R6, R7	2	75	RES, 75.0 ohm, 1%, 0.063W, 0402	402	CRCW040275R0FKED	Vishay-Dale
R4	1	100	RES, 100 ohm, 1%, 0.063W, 0402	402	CRCW0402100RFKED	Vishay-Dale
R25	1	162	RES, 162 ohm, 1%, 0.063W, 0402	402	CRCW0402162RFKED	Vishay-Dale
R24	1	237	RES, 237 ohm, 1%, 0.063W, 0402	402	CRCW0402237RFKED	Vishay-Dale
R19	1	243	RES, 243 ohm, 1%, 0.063W, 0402	402	CRCW0402243RFKED	Vishay-Dale
R23	1	2.00k	RES, 2.00k ohm, 1%, 0.063W, 0402	402	CRCW04022K00FKED	Vishay-Dale

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R13	0	DNP	RES, 2.00k ohm, 1%, 0.063W, 0402	402	CRCW04022K00FKED	Vishay-Dale
R20	1	15.0k	RES, 15.0k ohm, 1%, 0.063W, 0402	402	CRCW040215K0FKED	Vishay-Dale
R12, R14, R16	3	24.9k	RES, 24.9k ohm, 1%, 0.063W, 0402	402	CRCW040224K9FKED	Vishay-Dale
R21	1	49.9k	RES, 49.9k ohm, 1%, 0.063W, 0402	402	CRCW040249K9FKED	Vishay-Dale
R15	1	60.4k	RES, 60.4k ohm, 1%, 0.063W, 0402	402	CRCW040260K4FKED	Vishay-Dale
R17	1	75.0k	RES, 75.0k ohm, 1%, 0.063W, 0402	402	CRCW040275K0FKED	Vishay-Dale
R18	1	150k	RES, 150k ohm, 1%, 0.063W, 0402	402	CRCW0402150KFKED	Vishay-Dale
R8	1	20	RES, 20 ohm, 5%, 0.1W, 0603	603	CRCW060320R0JNEA	Vishay-Dale
R1	1	39k	RES, 39k ohm, 5%, 0.1W, 0603	603	CRCW060339K0JNEA	Vishay-Dale
R9	0	DNP	RES, 20 ohm, 5%, 0.1W, 0603	603	CRCW060320R0JNEA	Vishay-Dale
R10	0	DNP	RES, 2.49k ohm, 1%, 0.125W, 0805	805	CRCW08052K49FKEA	Vishay-Dale
T1	1		Transformer, 310uH, SMT	520x355x430	PA6595-AL	Coilcraft
T2	1		Transformer, 350uH, SMT	358x236x500mil	H2019FNLT	Pulse Engineering
TP1	1		Test Point, Miniature, SMT	Testpoint_Keystone_Minature	5015	Keystone
U1	1		IEEE 802.3 PoE INTERFACE AND CONVERTER CONTROLLER WITH ENHANCED ESD IMMUNITY, PW0014A	PW0014A	TPS23753APW	Texas Instruments
U2	1		LOW-VOLTAGE ADJUSTABLE PRECISION SHUNT REGULATOR, DBV0005A	DBV0005A	TLV431AIDBV	Texas Instruments
U3	1		Optocoupler, 3.75 kV, 80-160% CTR, SMD-4	SOP-4	TCMT1107	Vishay-Semiconductor

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