

PMP11257_RevB_BOM.xlsx								
06/01/2016								
PMP11257 REV B Bill of Materials								
Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference		
C29	1	220pF	C1608C0G1H221J	TDK	CAP, CERM, 220 pF, 50 V, +/- 5%, COG/NP0, 0603	603		
C1, C2, C3, C4	4	330pF	C1608C0G1H331J	TDK	CAP, CERM, 330 pF, 50 V, +/- 5%, COG/NP0, 0603	603		
C21	1	470pF	C1608C0G2A471J	TDK	CAP, CERM, 470 pF, 100 V, +/- 5%, COG/NP0, 0603	603		
C22	1	680pF	C1608C0G1H681J	TDK	CAP, CERM, 680 pF, 50 V, +/- 5%, COG/NP0, 0603	603		
C9, C10, C18, C19	4	1000pF	C1608X7R2A102K	TDK	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	603		
C5, C6, C7, C8	4	0.01uF	C1608X7R2A103K	TDK	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, 0603	603		
C30	1	0.022uF	C1608X7R1H223K	TDK	CAP, CERM, 0.022 uF, 50 V, +/- 10%, X7R, 0603	603		
C20	1	0.047uF	C1608X7R1E473K	TDK	CAP, CERM, 0.047 uF, 25 V, +/- 10%, X7R, 0603	603		
C16, C23, C28	3	1uF	C1608X5R1A105K	TDK	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0603	603		
C17	1	0.1uF	C2012X7R2A104K	TDK	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, 0805	805		
C24, C25, C26, C27	4	10uF	C3225X7R1E106M	TDK	CAP, CERM, 10 uF, 25 V, +/- 20%, X7R, 1210	1210		
C12, C13, C14, C15	4	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210		
C11	1	33uF	EEE-FK1K330P	Panasonic	CAP, AL, 33 uF, 80 V, +/- 20%, 1.3 ohm, SMD	SMT Radial F		
D1, D2, D3, D4, D9	5		B2100-13-F	Diodes Inc.	Diode, Schottky, 100V, 2A, SMB	SMB		
D5, D6, D7, D8	0	DNP	B2100-13-F	Diodes Inc.	Diode, Schottky, 100V, 2A, SMB	SMB		
D10	1		MMDL914-TP	Micro Commercial Componen	Diode, Switching, 100V, 0.2A, SOD-323	SOD-323		
D11	1	58V	SMBJ58A-13-F	Diodes Inc.	Diode, TVS, Uni, 58 V, 600 W, SMB	SMB		
J1, J2	2		1-406541-1	AMP	RJ-45, Right Angle, No LED, tab up	16.26x14.54x15.75		
J3, J4	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm		
J5	1		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header		
L1, L2, L4, L7	4	220 ohm	MPZ1608S221A	TDK	Ferrite Bead, 220 ohm @ 100 MHz, 2.2 A, 0603	603		
L3	1	3.3uH	LPS4018-332MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 3.3 uH, 1.9 A, 0.08 ohm, SMD	LPS4018		
L5	1	47uH	SER1390-473MLB	Coilcraft	Inductor, Shielded, Ferrite, 47 uH, 3.2 A, 0.021 ohm, SMD	13.5x9.0x13.5mm		
Q1, Q2, Q3, Q4	4		CSD19537Q3	Texas Instruments	MOSFET, N-CH, 100 V, 50 A, SON 3.3x3.3mm	SON 3.3x3.3mm		
Q5, Q6	2		FDMS86105	Fairchild Semiconductor	MOSFET, N-CH, 100 V, 26 A, PowerPAK SO-8	PowerPAK SO-8		
R21, R27, R30	3	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	603		
R23	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, 0603	603		
R1, R2, R7, R12, R13, R14, R15, R16	8	75	CRCW060375R0FKEA	Vishay-Dale	RES, 75.0, 1%, 0.1 W, 0603	603		
R31	1	1.13k	CRCW06031K13FKEA	Vishay-Dale	RES, 1.13 k, 1%, 0.1 W, 0603	603		
R18	1	3.01k	CRCW06033K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, 0603	603		
R33	1	4.42k	CRCW06034K42FKEA	Vishay-Dale	RES, 4.42 k, 1%, 0.1 W, 0603	603		
R28	1	8.06k	CRCW06038K06FKEA	Vishay-Dale	RES, 8.06 k, 1%, 0.1 W, 0603	603		
R29	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	603		
R24	1	16.2k	CRCW060316K2FKEA	Vishay-Dale	RES, 16.2 k, 1%, 0.1 W, 0603	603		
R19	1	27.4k	CRCW060327K4FKEA	Vishay-Dale	RES, 27.4 k, 1%, 0.1 W, 0603	603		
R17	1	69.8k	CRCW060369K8FKEA	Vishay-Dale	RES, 69.8 k, 1%, 0.1 W, 0603	603		
R32	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	603		
R8, R9, R10, R11	4	232k	CRCW0603232KFKEA	Vishay-Dale	RES, 232 k, 1%, 0.1 W, 0603	603		
R3, R4, R5, R6, R20	5	1.00Meg	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, 0603	603		
R22	1	63.4	CRCW080563R4FKEA	Vishay-Dale	RES, 63.4, 1%, 0.125 W, 0805	805		
R26	1	0.03	CSR1206FK30L0	Stackpole Electronics Inc	RES, 0.03, 1%, 0.5 W, 1206	1206		
R25	1	7.5	CRCW25127R50JNEG	Vishay-Dale	RES, 7.5, 5%, 1 W, 2512	2512		
T1	1	350uH	H6096NL	Pulse Engineering	TRANSFORMER/CMC MOD, GIGABIT POE+, SMT	12.2X6.6X18.16 mm		
U1	1		TPS2378DDA	Texas Instruments	IEEE 802.3at PoE High-Power PD Interface, DDA0008E	DDA0008E		
U2	1		LM5116MH/NOPB	Texas Instruments	Wide Range Synchronous Buck Controller, 20-pin TSSOP-EP, Pb-Free	MXA20A		

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