

## PMP9227 REVB BOM

Designator	Quantity	Value	Description	Package	PartNumber	Mfr
C1, C2	2	0.01uF	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H103K	TDK
C3, C9, C14, C15	4	1uF	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603	C1608X7R1E105K080AB	TDK
C4, C5, C6, C7, C10, C11, C12, C13	8	4.7uF	CAP, CERM, 4.7uF, 100V, +/-20%, X7R, 1210	1210	C3225X7S2A475M200AB	TDK
C35, C36	2	0.015uF	CAP, CERM, 0.015uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H153K	TDK
C8, C27, C30, C37	4	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H104K	TDK
C29	1	0.47uF	CAP, CERM, 0.47uF, 16V, +/-10%, X7R, 0603	0603	C0603C474K4RACTU	Kemet
C26, C28	2	1000pF	CAP, CERM, 1000pF, 100V, +/-10%, X7R, 0603	0603	06031C102KAT2A	AVX
C31, C32	2	1800pF	CAP, CERM, 1800pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H182J	TDK
C16, C17	2	2200pF	CAP, CERM, 2200pF, 50V, +/-10%, X7R, 0603	0603	C0603C222K5RAC	Kemet
C33, C34	2	68pF	CAP, CERM, 68pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H680J	TDK
C19, C20, C21, C23, C24, C25	6	10uF	CAP, CERM, 10uF, 35V, +/-20%, X7R, 1210	1210	GMK325AB7106MM-T	Taiyo Yuden
C18, C22	2	120uF	CAP, OS-CON, 120uF, 35V, +/-20%, 0.018 ohm, 10x10.3 SMD	F12	35SVPF120M	Sanyo
D1	1	6.2V	Diode, Zener, 6.2V, 500mW, SOD-123	SOD-123	MMSZ5234B-7-F	Diodes Inc.
D2, D3	2	BAT46W-7-F	Diode, Schottky, 100V, 0.15A, SOD-123	SOD-123	BAT46W-7-F	Diodes Inc.
D4, D5	2	MBRA160T3G	Diode, Schottky, 60V, 1A, SMA	SMA	MBRA160T3G	ON Semi
J1, J2, J3	3		TERMINAL BLOCK 5.08MM VERT 2POS		ED120/2DS	OST
L1, L2	2	33uH	Inductor, Shielded, Composite, 33uH, 12A, 0.0187 ohm, SMD	15.4x11x16.4mm	XAL1510-333MEB	Coilcraft
Q1, Q2	2	CSD19534Q5A	MOSFET, N-CH, 100V, 15nC, 0.0124 ohm, SON 5x6mm	SON 5x6mm	CSD19534Q5A	TI
Q3, Q4	2	CSD19533Q5A	MOSFET, N-CH, 100V, 26nC, 0.0076 ohm, SON 5x6mm	SON 5x6mm	CSD19533Q5A	TI
R6, R7, R25	3	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	CRCW06030000Z0EA	Vishay-Dale
R3	1	1.00	RES, 1.00 ohm, 1%, 0.1W, 0603	0603	CRCW06031R00FKEA	Vishay-Dale
R30	1	1.05k	RES, 1.05k ohm, 1%, 0.1W, 0603	0603	RC0603FR-071K05L	Yageo
R5, R32	2	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale
R16, R17, R20, R21	4	100	RES, 100 ohm, 1%, 0.1W, 0603	0603	RC0603FR-07100RL	Yageo
R1, R2	2	100k	RES, 100k ohm, 1%, 0.1W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale
R12	1	143k	RES, 143k ohm, 1%, 0.1W, 0603	0603	CRCW0603143KFKEA	Vishay-Dale
R8, R9, R10, R11	4	2.2	RES, 2.2 ohm, 5%, 0.1W, 0603	0603	CRCW06032R20JNEA	Vishay-Dale
R26, R27	2	20.0k	RES, 20.0k ohm, 1%, 0.1W, 0603	0603	CRCW060320K0FKEA	Vishay-Dale
R33	1	3.01k	RES, 3.01k ohm, 1%, 0.1W, 0603	0603	CRCW06033K01FKEA	Vishay-Dale
R22	1	33.2k	RES, 33.2k ohm, 1%, 0.1W, 0603	0603	CRCW060333K2FKEA	Vishay-Dale
R23, R24	2	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
R31	1	590	RES, 590 ohm, 1%, 0.1W, 0603	0603	CRCW0603590RFKEA	Vishay-Dale
R28	1	15.0k	RES, 15.0k ohm, 1%, 0.1W, 0603	0603	CRCW060315K0FKEA	Vishay-Dale
R29	1	12.1k	RES, 12.1k ohm, 1%, 0.1W, 0603	0603	CRCW060312K1FKEA	Vishay-Dale
R4	1	6.65k	RES, 6.65k ohm, 1%, 0.1W, 0603	0603	CRCW06036K65FKEA	Vishay-Dale
R14	1	88.7k	RES, 88.7k ohm, 1%, 0.1W, 0603	0603	CRCW060388K7FKEA	Vishay-Dale
R13, R15	2	10.0	RES, 10.0 ohm, 1%, 0.25W, 1206	1206	CRCW120610R0FKEA	Vishay-Dale
R18	1	0.006	RES, 0.006 ohm, 1%, 1W, 2010	2010	WSL20106L000FEA18	Vishay-Dale
R19	1	0.008	RES, 0.008 ohm, 1%, 1W, 2010	2010	WSL20108L000FEA18	Vishay-Dale
TP1, TP3, TP6, TP7, TP8, TP10, TP12	7	Red	Test Point, Multipurpose, Red, TH	Keystone5010	5010	Keystone
TP2, TP4, TP5, TP9, TP11, TP13, TP14	7	Black	Test Point, Multipurpose, Black, TH	Keystone5011	5011	Keystone
U1	1	LM5119Q	LM5119/LM5119Q Wide Input Range Dual Synchronous Buck Controller, RTV0032A	RTV0032A	LM5119QPSQ/NOPB	TI

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