

**PMP6912\_REVB BOM**

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.022uF	Capacitor, Ceramic, 250V, X7R, 15%	0805	STD	STD
1	C10	330pF	Capacitor, Ceramic, 3kV, NP0, COG, 10%	1808	Std	Std
2	C102, C104	0.022uF	Capacitor, Ceramic, 50V, X7R, 15%	0402	STD	STD
4	C11, C13, C100, C101	22uF	Capacitor, Ceramic, 16V, X5R, 15%	1206	STD	STD
1	C12	8200pF	Capacitor, Ceramic, 50V, X7R, 15%	0402	STD	STD
1	C14	47pF	Capacitor, Ceramic, 50V, C0G, 5%	0402	STD	STD
1	C15	0.47uF	Capacitor, Ceramic, 16V, X5R, 15%	0402	STD	STD
2	C16, C22	0.1uF	Capacitor, Ceramic, 25V, X7R, 15%	0402	STD	STD
1	C17	1uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0402	STD	STD
6	C2, C3, C4, C6, C18, C20	100uF	Capacitor, Ceramic, 6.3V, X5R, 15%	1210	Std	STD
3	C5, C24, C103	1000pF	Capacitor, Ceramic, 50V, C0G, 5%	0402	STD	STD
2	C7, C23	1uF	Capacitor, Ceramic, 16V, X5R, 15%	0402	STD	STD
3	C8, C19, C21	2.2uF	Capacitor, Ceramic, 100V, X7R, 15%	1210	STD	STD
1	C9	DNP	Do Not Populate	0402	N/A	N/A
4	D1, D3, D4, D10	DNP	DO NOT POPULATE	SOT23	N/A	N/A
1	D100	3.9V	Diode, Zener, 3.9V, 200mW	SOD-323	MMSZ3V9T1	On Semi
2	D2, D5	MMSD914T1	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	MMSD914T1	On Semi
3	D6, D8, D9	MMDL914T1	Diode, Switching, 100-V, 200-mA, 200-mW,	SOD-323	MMDL914T1	On Semi
2	D7, D11	RB751V-40	Diode, Schottky, 40V, 30 mA,	SOD-323	RB751V-40	Rohm
6	J1, J3, J4, J6, J7, J8	8600-0-05-01-00-00-03-0	Header, Single pin	0.072 x 1 inch	8600-0-05-01-00-00-03-0	Mill-Max
2	J2, J5	8952-0-05-01-00-00-03-0	Header, Single pin	0.125 x 1 inch	8952-0-05-01-00-00-03-0	Mill-Max
1	L1	0.45uH	Inductor, Shielded Power, ±20%	0.394 x 0.445 inch	XAL1010-451ME	Coilcraft
1	L2	1mH	Inductor, SMT, 0.1A, ±20%	0.189 x 0.189 inch	LPS5015-105ML	Coilcraft
1	Q1	2N7002W	MOSFET, Nch, 60V, 115mA	SOT323 [SC70]	2N7002W	Diodes
1	Q100	MMBT2222A	TRANSISTOR, NPN, HIGH-PERFORMANCE, 500mA	SOT-23	MMBT2222A	STD
2	Q3, Q6	CSD16401Q5	MOSFET N-CH 25V 100A 8-SON	QFN5X6mm	CSD16401Q5	TI
1	Q5	SI1411DH	MOSFET P-CH 150V 420MA SC70-6	TSOP-6	SI1411DH	Vishay
2	Q7, Q8	CSD16325Q5	MOSFET N-CH 25V 5X6 100A 8SON	QFN5X6mm	CSD16325Q5	TI
1	Q9	SI4848DY	MOSFET, Nch, 150V, 3.7A, 90milliohm	SO8	SI4848DY	Vishay
2	R1, R4	0.39	Resistor, Chip, 1/4W, 5%	1206	Std	Std
5	R10, R22, R27, R30, R32	10k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R102	1	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R103	100	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R104	4.99k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R14, R15	49.9	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R16, R26	21.0k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R17	1.74k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R19	7.5k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
3	R2, R100, R101	10	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R20	301	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R23	62.0k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R24	2k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R25	49.9k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R3	DNP	Do Not Populate	0402	N/A	N/A
1	R31	61.9k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R5	3.74k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
5	R6, R8, R12, R13, R18	100k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
4	R7, R11, R21, R105	1k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R9	750	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	T2	100 uH	Transformer, ±2%	0.860 x 1.150 inch	PA3557NL	Pulse
1	U1	TL103WAID	IC, Dual OpAmp With Internal Reference	SO8	TL103WAID	TI
2	U3, U4	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay
1	U5	TLV431A	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431AIDBZ	TI
1	U6	UCC2897ARTJ	IC, Advanced Current-Mode Active Clamp PWM Controller	QFP-20	UCC2897ARTJ	TI

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