

### PMP6886\_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.01uF	Capacitor, Ceramic, 250V, X7R, 15%	0805	STD	STD
1	C10	330pF	Capacitor, Ceramic, 3kV, NP0, C0G, 10%	1808	Std	Std
2	C11, C13	22uF	Capacitor, Ceramic, 16V, X5R, 15%	1206	STD	STD
1	C14	47pF	Capacitor, Ceramic, 50V, C0G, 5%	0402	STD	STD
1	C15	0.047uF	Capacitor, Ceramic, 25V, X7R, 15%	0402	STD	STD
2	C16, C22	0.1uF	Capacitor, Ceramic, 25V, X7R, 15%	0402	STD	STD
2	C2, C3	22uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0805	STD	STD
1	C4	680uF	CAP ALUM 680UF 6.3V 20% RADIAL	0.315 inch	EKY-6R3ELL681MHB5D	United Chemi-Con
2	C5, C12	1000pF	Capacitor, Ceramic, 50V, C0G, 5%	0402	STD	STD
1	C7	4.7uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0402	STD	STD
2	C8, C19	2.2uF	Capacitor, Ceramic, 100V, X7R, 15%	1210	STD	STD
2	C9, C17	1uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0402	STD	STD
2	D2, D5	MMSD914T1	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	MMSD914T1	On Semi
1	D3	8.2V	Diode, Zener, 8.2-V	SOT23	BZX84C8V2LT1	ON Semi
1	D4	12.1V	Diode, Zener, 12.1-V	SOT23	BZX84C12LT1	ON Semi
3	D6, D8, D9	MMDL914T1	Diode, Switching, 100-V, 200-mA, 200-mW,	SOD-323	MMDL914T1	On Semi
1	D7	BAT54SWT1G	Diode, Dual Schottky, 200mA, 30V	SOT323	BAT54SWT1G	On Semi
5	J1, J3, J4, J6, J7	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	L2	3.8uH	Inductor, Shielded Drum Core	0.406 x 0.409 inch	MSS1038-382NL	Coilcraft
1	L3	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	Q2	MMBT3906TT	Trans, PNP, -40V, -200mA, -200mW	SC-75	MMBT3906TT1G	On Semi
1	Q3	CSD16406Q3	MOSFET, NChan, 25V, 5 milliOhm	QFN3.3x3.3 mm	CSD16406Q3	TI
1	Q4	FDC2512	Trans, Nch, 150V, 1.4A, 425 milliohm	SuperSOT-6	FDC2512	Fairchild
1	Q5	SI1411DH	MOSFET P-CH 150V 420MA SC70-6	TSOP-6	SI1411DH	Vishay
1	Q7	CSD16323Q3	MOSFET, NChan, 25V, 5 milliOhm	QFN3.3x3.3 mm	CSD16323Q3	TI
1	R1	0.39	Resistor, 1/4W, 5%	1210	Std	Std
1	R13	49.9k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R14	49.9	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R15, R26	0	Resistor, Chip, 1/16W, 1%	0402	Std	Std
6	R16, R21, R22, R27, R30, R32	10k	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
1	R20	301	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R23	42.2k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R24	20k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R25	6.65k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
3	R3, R7, R11	1k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R31	35.7k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R5	3.74k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
4	R6, R8, R12, R18	100k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R9, R10	10	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	T2	100 uH	Transformer, forward	0.420 x 0.525 inch	PA3549NL	Pulse
2	U2, U5	TLV431A	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431AIDBZ	TI
2	U3, U4	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay
1	U6	UCC2897RTJ	IC, Advanced Current-Mode Active Clamp PWM Controller	QFP-20	UCC2897RTJ	TI

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