

### PMP4909\_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1, C24	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	0805	Std	TDK
1	C10	56uF	Capacitor, Aluminum Electrolytic, 16V	0.197 inch	16V ZL 56uF 5 X 11mm	Rubycon
1	C11	10uF	Capacitor, Ceramic, 16V, X7R, 15%	1206	C3216X7R1C106M	TDK
1	C12	0.047uF	Capacitor, Ceramic, 250V, X7R, 10%	1206	Std	Std
1	C14	47pF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
2	C15, C23	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C16	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1206	C3216X7R1C226M	TDK
1	C17	1000pF	Capacitor, Ceramic, 2KV, X7R, 10%	1812	C4532X7R3D102K	TDK
1	C18	0.22uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	C19	0.022uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C2	47uF	Capacitor, Aluminum, 63V, ±20%	8x10.2mm	EEEFK1J470P	Panasonic
1	C20	DNP	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C21	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C22	1uF	Capacitor, Ceramic, 25V, X7R, 10%	0805	Std	Std
2	C25, C26	22pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C3, C4	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	C3225X7R2A225K	TDK
2	D13, D14	12V	Diode, Zener, 200mW, 12V	SOD-323	BZT52C12S	Diodes, Inc
6	D3, D4, D8, D10, D11, D12	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D9	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
2	J1, J3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	J2	ED120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED120/2DS	OST
1	L1	3.3uH	Inductor, SMT, 1.53A, 32milliohm	5.1x5.1mm	MSS5131-332MX	Coilcraft
1	L2	47uH	Inductor, Power, 2.5A, 80milliohm	0.484 x 0.484 inch	MSS1260T-473ML	Coilcraft
1	L3	1500uH	Inductor, SMT, 120mA, 4.6 Ohm	6x6mm	LPS6235-155ML	Coilcraft
1	Q2	Si2325DS	MOSFET, P-ch, -150 V, 690-mA, 1.2 Ohms	SOT-23	Si2325DS	Vishay
1	Q3	FDS2572	MOSFET, N-ch, 150V, 4.9A, 47 milliohm	SO8	FDS2572	Fairchild
1	Q4	MMBT3906	Bipolar, PNP, 40V, 200mA, 225mW	SOT23	MMBT3906LT1	On Semi
1	Q6	Si9945BDY	MOSFET, Dual, N-ch, 60-V, 5.3-A, 60-milliOhms	SO8	Si9945BDY	Vishay
2	Q8, Q9	MMBTA06	Bipolar, NPN, 80V, 500mA	SOT23	MMBTA06LT1	ON Semiconductor
1	R10	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	1.5K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R14	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	DNP	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R17, R20	24.9K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	75K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	69.8K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R21	2.61K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	63.4	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R23	2K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R26, R27	3.9K	Resistor, Chip, 1/8W, 5%	0805	Std	Std
1	R3	10	Resistor, Chip, 1/16W, 5%	0603	Std	Std
3	R4, R12, R15	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	0.22	Resistor, Chip, 1/2W, 1%	2010	Std	Std

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1	R8	4.99K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	2.2	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	100 uH	Transformer, Forward, 25W	13.46 x 17.75 mm	JA4289-AL	Coilcraft
3	TP1, TP3, TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS23754PWP-1	IC, IEEE 802.3at PoE Interface and Isolated Converter Controller	PWP20	TPS23754PWP-1	TI
1	U2	TCMT1107	IC, Photocoupler, 80-160% CTR	MF4	TCMT1107	Vishay
1	U3	TL431ACDBVR	IC, Shunt Regulator, 2.5-V ref	SOT23-5	TL431ACDBVR	TI

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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