

## PMP9750 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB500	1		PMP9750	Any	Printed Circuit Board	
C500	1	2.2uF	450MPK225J	Rubycon	CAP, Film, 2.2 $\mu$ F, 450 V, +/- 5%, TH	18.00x20.00x13.50mm
C501	1	1uF	UMK107AB7105KA-T	Taiyo Yuden	CAP, CERM, 1 $\mu$ F, 50 V, +/- 10%, X7R, 0603	0603
C502, C503	2	1000uF	35ZLH1000MEFC12.5X20	Rubycon	CAP, AL, 680uF, 35V, +/-20%, TH	12.5x20
C504, C505	2	3.3uF	C3225X7R1H335M	TDK	CAP, CERM, 3.3uF, 50V, +/-20%, X7R, 1210	1210
C506	1	0.1uF	08055C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0805	0805
C507	1	1uF	GMK212B7105KG-T	Taiyo Yuden	CAP, CERM, 1uF, 35V, +/-10%, X7R, 0805	0805
C508	1	0.1uF	12065C104KAT2A	AVX	CAP, CERM, 0.1 $\mu$ F, 50 V, +/- 10%, X7R, 1206	1206
C509, C510	2	22pF	C0603C220J5GACTU	Kemet	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C511	1	0.033uF	121MPE333J	Rubycon	CAP, Film, 0.033uF, 1250V, +/-5%, TH	18x9.5x18mm
C512	1	100pF	VJ1808Y101KXEAT5Z	Vishay-Vitramon	CAP, CERM, 100pF, 500V, +/-10%, X7R, 1808	1808
C513	1	0.47uF	C0603C474K4RACTU	Kemet	CAP, CERM, 0.47uF, 16V, +/-10%, X7R, 0603	0603
C514	1	2200pF	DE6E3KJ222MN3A	MuRata	CAP, CERM, 2200 pF, 300 V, +/- 20%, E, TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm
C515	1	0.01uF	C0603C103K5RACTU	Kemet	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	0603
C516	1	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 $\mu$ F, 25 V, +/- 5%, X7R, 0603	0603
C517	1	2200pF	C0603C222K5RAC	Kemet	CAP, CERM, 2200pF, 50V, +/-10%, X7R, 0603	0603
C518	1	0.22uF	08053C224JAT2A	AVX	CAP, CERM, 0.22uF, 25V, +/-5%, X7R, 0805	0805
C519	1	1uF	C0603C105K4PACTU	Kemet	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0603	0603
C520	1	100pF	C1608C0G1H101J	TDK	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603
C521	1	22uF	25ML22MEFC5X5	Rubycon	CAP, AL, 22 $\mu$ F, 25 V, +/- 20%, TH	RCAP, 5x5mm
C522	1	3300pF	06031C332KAT2A	AVX	CAP, CERM, 3300pF, 100V, +/-10%, X7R, 0603	0603
D500	1	600V	BYG20J-E3/TR	Vishay-Semiconductor	Diode, Ultrafast, 600V, 1.5A, SMA	SMA
D501, D504	2	0.35V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323
D502, D503	2	100V	VF40100C-E3/4W	Vishay-Semiconductor	Diode, Schottky, 100 V, 20 A, TH	TO-220AB
D505	1	0.63V	BAV99WT1G	Fairchild Semiconductor	Diode, P-N, 70V, 0.2A, SOT-323	SOT-323
D506	1	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
F500	1		37212000001	Littelfuse	Fuse, 2 A, 250 V, TH	TR5 fuse 8.5mm DIA
H500	1		578622B03200G	Aavid	Twin Channel Style Heat Sink, TO-220, Vertical	Twin Channel Style Heat Sink, TO-220
H501	1		513002B02500G	Aavid	BOARD LEVEL HEATSINK .5" TO-220	12.70x50.80x34.92mm
J500	1		1715734	Phoenix Contact	TERM BLOCK 3POS 5.08MM, TH	15.24x13.8x9.8mm
J501, J502	2	2x1	1715721	Phoenix Contact	Conn Term Block, 2POS, 5.08mm, TH	2POS Terminal Block
L500	1	1uH	7443320100	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 1 $\mu$ H, 24 A, 0.0012 ohm, SMD	12.1x9.5x11.4mm
Q500, Q501	2		STP14NM50N	ST	MOSFET N-CH 500V 12A TO-220	TO-220AB
Q502	1		FMMT620TA	Diodes	TRANS NPN 80V 1.5A SOT23-3	SOT-23
R500	1	2.2	CRCW08052R20JNEA	Vishay-Dale	RES, 2.2, 5%, 0.125 W, 0805	0805
R501	1	3.0	CRCW06033R00JNEA	Vishay-Dale	RES, 3.0 ohm, 5%, 0.1W, 0603	0603
R502	1	1.00	ERJ-6RQF1R0V	Panasonic	RES, 1.00 ohm, 1%, 0.125W, 0805	0805
R503, R507	2	20.0k	CRCW080520K0FKEA	Vishay-Dale	RES, 20.0k ohm, 1%, 0.125W, 0805	0805
R504, R505	2	51.1	CRCW060351R1FKEA	Vishay-Dale	RES, 51.1, 1%, 0.1 W, 0603	0603
R506	1	3.3	CRCW12063R30JNEA	Vishay-Dale	RES, 3.3, 5%, 0.25 W, 1206	1206
R508	1	4.99k	CRCW08054K99FKEA	Vishay-Dale	RES, 4.99k ohm, 1%, 0.125W, 0805	0805
R509	1	511	CRCW0603511R1FKEA	Vishay-Dale	RES, 511, 1%, 0.1 W, 0603	0603
R510, R519	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603

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R511	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R512	1	15	CRCW060315R0JNEA	Vishay-Dale	RES, 15 ohm, 5%, 0.1W, 0603	0603
R513	1	25.5k	CRCW060325K5FKEA	Vishay-Dale	RES, 25.5k ohm, 1%, 0.1W, 0603	0603
R514	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R515	1	200	CRCW0603200RFKEA	Vishay-Dale	RES, 200 ohm, 1%, 0.1W, 0603	0603
R516	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0k ohm, 1%, 0.1W, 0603	0603
R517	1	3.40k	CRCW06033K40FKEA	Vishay-Dale	RES, 3.40k ohm, 1%, 0.1W, 0603	0603
R518	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R520	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	0603
R521	1	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49k ohm, 1%, 0.1W, 0603	0603
T500	1	360uH	G135043LF	GCI Technologies	Transformer, 360uH, TH	31.5x30.8x24.5 mm
TP501	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP503, TP508	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP506	1	Orange	5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
TP507	1	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
U500	1		UCC27714D	Texas Instruments	High-Speed,4A, 600V High-side Low-side Gate Driver Device, D0014A	D0014A
U501	1		UCC25600D	Texas Instruments	High-Performance Resonant Mode Controller with Voltage Control, 50 % Duty Cycle, -40 to +125 degC, 8-pin SOIC (D), Green (RoHS & no Sb/Br)	D0008A
U502	1		PC817X4NSZ0F		Opto-Isolator, 1 Channel, TH	DIP-4
U503	1		TL431ACDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, 0 to 70 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A

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