

## PMP10949 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB600	1		PMP10949	Any	Printed Circuit Board	
C600	1	2.2uF	450MPK225J	Rubycon	CAP, Film, 2.2 $\mu$ F, 450 V, +/- 5%, TH	18.00x20.00x13.50mm
C601, C619	2	1uF	GRM188R61E105KA12D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0603	0603
C602	1	1500pF	DE2E3KY152MN3AM02	MuRata	CAP, CERM, 1500 pF, 250 V, +/- 20%, E, TH, 2- Leads, Body 7x5mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 7x5mm, Pin Spacing 7.5mm
C603	1	0.22uF	12065C224KAT2A	AVX	CAP, CERM, 0.22 $\mu$ F, 50 V, +/- 10%, X7R, 1206	1206
C604, C608	2	1uF	0805YD105KAT2A	AVX	CAP, CERM, 1 $\mu$ F, 16 V, +/- 10%, X5R, 0805	0805
C605	1	4.7uF	ECQ-E2475KF	Panasonic	CAP, Film, 4.7 $\mu$ F, 250 V, +/- 10%, TH	26.00x23.00x12.00mm
C606, C607	2	470uF	LGX2E471MELB25	Nichicon	CAP ALUM 470UF 250V 20% SNAP	RCAP, 30x30mm
C609, C610	2	0.033uF	121MPE333J	Rubycon	CAP, Film, 0.033uF, 1250V, +/-5%, TH	18x9.5x18mm
C611	1	100pF	GRM31A7U3A101JW31D	MuRata	CAP, CERM, 100pF, 1000V, +/-5%, U2J, 1206	1206
C612	1	0.47uF	C0603C474K4RACTU	Kemet	CAP, CERM, 0.47uF, 16V, +/-10%, X7R, 0603	0603
C613	1	0.01uF	C0603C103K5RACTU	Kemet	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	0603
C614	1	100pF	C1608C0G1H101J	TDK	CAP, CERM, 100pF, 50V, +/-5%, COG/NP0, 0603	0603
C615	1	0.022uF	C1608X7R1H223K	TDK	CAP, CERM, 0.022 $\mu$ F, 50 V, +/- 10%, X7R, 0603	0603
C616	1	0.22uF	08053C224JAT2A	AVX	CAP, CERM, 0.22uF, 25V, +/-5%, X7R, 0805	0805
C617	1	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 $\mu$ F, 25 V, +/- 5%, X7R, 0603	0603
C618	1	1uF	C3216X7R1H105K	TDK	CAP, CERM, 1uF, 50V, +/-10%, X7R, 1206	1206
C620, C622	2	220pF	06031C221KAT2A	AVX	CAP, CERM, 220 pF, 100 V, +/- 10%, X7R, 0603	0603
C621	1	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 $\mu$ F, 25 V, +/- 10%, X7R, 0603	0603
D600	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D601, D604	2	0.35V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323
D602, D605	2	600V	RHRP860	Fairchild	DIODE FAST REC 600V 8A TO220AC	TO-220AC
D603, D612	2	600V	1N5406	Vishay-Semiconductor	Diode, Switching-Bridge, 600 V, 3 A, TH	DO-201AD
D606, D609	2	0.63V	BAV99WT1G	Fairchild Semiconductor	Diode, P-N, 70V, 0.2A, SOT-323	SOT-323
D607	1	39V	MMSZ5259B-7-F	Diodes Inc.	Diode, Zener, 39 V, 500 mW, SOD-123	SOD-123
D608, D610, D611	3	56V	MMSZ5263BT1G	ON Semiconductor	DIODE ZENER 56V 500MW SOD123	SOD-123
H600, H601	2		513201B02500G	Aavid	HEATSINK TO-218/TO-247 W/PINS 2"	12.70x50.80x34.92mm
H602, H603	2		530614B00000G	Aavid	Heat Sink, TO-220, TH	TO-220 Heat Sink
H604, H605, H606, H607	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H608, H609, H610, H611	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
J600, J601, J602, J603, J604, J605	6	2x1	1715721	Phoenix Contact	Conn Term Block, 2POS, 5.08mm, TH	2POS Terminal Block
L600	1	41uH	86H-15141	Delta Electronics Inc.	Inductor, Wirewound, 41 $\mu$ H, 4 A, TH	D39.6xH14.5mm
Q601, Q603	2	650V	IPW60R099C6	Infineon Technologies	MOSFET N-CH 600V 37.9A TO247	TO-247
Q606	1	60V	2N7002-7-F	Diodes Inc.	MOSFET, N-CH, 60 V, 0.17 A, SOT-23	SOT-23
R600, R603, R605	3	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R601, R604	2	20.0k	CRCW080520K0FKEA	Vishay-Dale	RES, 20.0k ohm, 1%, 0.125W, 0805	0805
R602	1	100k	CRCW2512100KJNEG	Vishay-Dale	RES, 100 k, 5%, 1 W, 2512	2512
R606, R609	2	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R607	1	1.0Meg	CRCW06031M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.1 W, 0603	0603

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R608	1	4.32k	CRCW06034K32FKEA	Vishay-Dale	RES, 4.32 k, 1%, 0.1 W, 0603	0603
R610, R615	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R611	1	15	CRCW060315R0JNEA	Vishay-Dale	RES, 15 ohm, 5%, 0.1W, 0603	0603
R612, R617	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R613, R614	2	49.9k	CRCW120649K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.25 W, 1206	1206
R616	1	100k	CRCW0402100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.063W, 0402	0402
R618	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R619	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0k ohm, 1%, 0.063W, 0402	0402
R620	1	3.40k	CRCW06033K40FKEA	Vishay-Dale	RES, 3.40 k, 1%, 0.1 W, 0603	0603
R621	1	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49k ohm, 1%, 0.1W, 0603	0603
R622, R623	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R624, R625	2	48.7k	CRCW120648K7FKEA	Vishay-Dale	RES, 48.7 k, 1%, 0.25 W, 1206	1206
R626	1	3.3	CRCW12063R30JNEA	Vishay-Dale	RES, 3.3, 5%, 0.25 W, 1206	1206
T601	1	150 uH	86H-15013B	Delta Electronics Inc.	Transformer, 150 uH, TH	36.5x41mm
TP600, TP602	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP601, TP603, TP606	3	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP604	1	Orange	5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
TP605	1	Yellow	5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
U600, U603	2		PC817X4NSZ0F		Opto-Isolator, 1 Channel, TH	DIP-4
U601	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
U602	1		TL431AIDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A
U604	1		UCC27714D	Texas Instruments	High-Speed,4A, 600V High-side Low-side Gate Driver Device, D0014A	D0014A

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