

## PMP9492 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP9492	Any	Printed Circuit Board	
2, 3, TP1, TP5, TP10, TP11, TP14, TP17	8	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
C1	1	47uF	EEE-FK1H470XP	Panasonic	CAP, AL, 47uF, 50V, +/-20%, 0.68 ohm, SMD	SMT Radial D8
C2	1	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0603	0603
C3	1	1uF	C3216X7R2A105M160AA	TDK	CAP, CERM, 1uF, 100V, +/-20%, X7R, 1206	1206
C4	1	0.1uF	C1608X7R1H104K	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C5, C6	2	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	1206
C7, C8, C100	3	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	1210
C9, C10	2	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C11	1	0.47uF	C0603C474K8RACTU	Kemet	CAP, CERM, 0.47uF, 10V, +/-10%, X7R, 0603	0603
C12	1	180uF	APXC6R3ARA181MF60G	Nippon Chemi-Con	CAP, AL, 180uF, 6.3V, +/-20%, 0.022 ohm, SMD	F60
C13, C14, C15	3	22uF	C3225X7R1C226M	TDK	CAP, CERM, 22uF, 16V, +/-20%, X7R, 1210	1210
C16, C101	2	1000pF	06031C102JAT2A	AVX	CAP, CERM, 1000 pF, 100 V, +/- 5%, X7R, 0603	0603
C17	1	2.2uF	GRM188R71A225KE15D	MuRata	CAP, CERM, 2.2uF, 10V, +/-10%, X7R, 0603	0603
C18	1	0.033uF	GRM188R71E333KA01D	MuRata	CAP, CERM, 0.033uF, 25V, +/-10%, X7R, 0603	0603
C19, C20	2	10uF	GRM31CR71A106KA01L	MuRata	CAP, CERM, 10uF, 10V, +/-10%, X5R, 1206	1206
C21	1	0.47uF	GRM188R71A474KA61D	MuRata	CAP, CERM, 0.47uF, 10V, +/-10%, X7R, 0603	0603
C22, C24	2	2.2uF	GRM188R61A225KE34D	MuRata	CAP, CERM, 2.2 uF, 10 V, +/- 10%, X5R, 0603	0603
C23	1	1uF	C0603C105K8PACTU	Kemet	CAP, CERM, 1 uF, 10 V, +/- 10%, X5R, 0603	0603
C25, C27	2	47uF	GRM31CR60J476ME19L	MuRata	CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1206	1206
C26, C28	2	22uF	GRM31CR71A226KE15L	MuRata	CAP, CERM, 22uF, 10V, +/-10%, X7R, 1206	1206
H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
H9, H10, H11, H12	4		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
J1	1	1x3	PBC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Gold, TH	PBC03SAAN
L1	1	11uH	744273102	Würth Elektronik	Coupled inductor, 11 uH, 2.5 A, 0.03 ohm, SMD	SMD, 4-Leads, Body 9.5x8.3mm
L2	1	2.2uH	FDV0630-2R2M	Toko	Inductor, Shielded, Powdered Iron, 2.2uH, 5.3A, 0.021 ohm, SMD	Inductor, 6.7x3x6.7mm
L3, L4	2	3.3uH	LPS6225-332MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 3.3uH, 1.35A, 0.05 ohm, SMD	LPS6225
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
LF1	1	2.2uH	74408943022	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 2.2uH, 3A, 0.026 ohm, SMD	4.8x3.8x4.8mm
R1, R2, R4, R7	4	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R3, R6	2	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
R5	1	4.99	CRCW06034R99FKEA	Vishay-Dale	RES, 4.99, 1%, 0.1 W, 0603	0603
R9, R11	2	10k	RC0603JR-0710KL	Yageo America	RES, 10k ohm, 5%, 0.1W, 0603	0603
R10	1	4.99	RC0805FR-074R99L	Yageo America	RES, 4.99 ohm, 1%, 0.125W, 0805	0805
R12, R14	2	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9k ohm, 1%, 0.1W, 0603	0603
R13	1	12.4k	CRCW060312K4FKEA	Vishay-Dale	RES, 12.4k ohm, 1%, 0.1W, 0603	0603
R15	1	21.0k	CRCW060321K0FKEA	Vishay-Dale	RES, 21.0k ohm, 1%, 0.1W, 0603	0603
R16, R17	2	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10k ohm, 5%, 0.1W, 0603	0603

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP2, TP4, TP7, TP9, TP13, TP15, TP16, TP18	8	Double	1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP3, TP8, TP12, TP19, TP20	5	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP6	1	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
U1	1		LM536033QPWP	Texas Instruments	6th GENERATION BUCK REGULATOR, PWP0016H	PWP0016A
U2	1		LM26420XSQ/NOPB	Texas Instruments	Dual 2.0A, High Frequency Synchronous Step-Down DC-DC Regulator, 16-pin LLP, Pb-Free	SQB16A
U3	1	TPS60150DRV	TPS60150DRV	Texas Instruments	IC, 150mA Charge Pump	SON
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
R8	0	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99k ohm, 1%, 0.1W, 0603	0603

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