

## PMP9496 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP9496	Any	Printed Circuit Board	
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	06031C102KAT2A	AVX	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	0603
C17	1	2.2uF	GRM188R71A225KE15D	MuRata	CAP, CERM, 2.2uF, 10V, +/-10%, X7R, 0603	0603
C18	1	150uF	10TPB150ML	Panasonic	CAP, 150uF, 10V, +/-20%, 0.04 ohm, SMD	Tant Cap, 7343_28
C19	1	10uF	GRM21BR71A106KE51L	MuRata	CAP, CERM, 10uF, 10V, +/-10%, X7R, 0805	0805
C20	1	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0402	0402
C102	1	0.01uF	06031C103KAT2A	AVX	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, 0603	0603
D1	1	/FAULT	LTST-C190GKT	Lite-On	LED, Green, SMD	1.6x0.8x0.8mm
D2	1	/STATUS	LTST-C190GKT	Lite-On	LED, Green, SMD	1.6x0.8x0.8mm
FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
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
J1	1	1x3	PBC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Gold, TH	PBC03SAAN
J2	1		676430910	Molex	Connector, Receptacle, USB Standard, R/A, Top Mount TH	Standard USB Rcpt
J3	1		48037-1000	Molex	Connector, Plug, USB Type A, R/A, Top Mount SMT	USB Type A right angle
J4	1		PEC04DAAN	Sullins Connector Solutions	Header, 100mil, 4x2, Tin, TH	Header, 4x2, 100mil, Tin
L1	1	11uH	744273102	Würth Elektronik eiSos	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	1		985DH-1026	Toko	Coupled inductor, 0.28A, 0.36 ohm, SMD	2.2x1.3x1.4mm
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	3	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R3, R7	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
R6	1	1.24k	CRCW06031K24FKEA	Vishay-Dale	RES, 1.24 k, 1%, 0.1 W, 0603	0603
R8	1	48.7k	RC0603FR-0748K7L	Yageo America	RES, 48.7 k, 1%, 0.1 W, 0603	0603
R9	1	12.7k	CRCW060312K7FKEA	Vishay-Dale	RES, 12.7 k, 1%, 0.1 W, 0603	0603
R10, R11	2	2.2k	CRCW04022K20JNED	Vishay-Dale	RES, 2.2k ohm, 5%, 0.063W, 0402	0402
R12	1	80.6k	CRCW060380K6FKEA	Vishay-Dale	RES, 80.6 k, 1%, 0.1 W, 0603	0603
R13	1	22.1k	CRCW040222K1FKED	Vishay-Dale	RES, 22.1k ohm, 1%, 0.063W, 0402	0402
R14, R15, R16, R17	4	100k	CRCW0402100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.063W, 0402	0402

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP1, TP5	2	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2, TP4, TP7, TP9	4	Double	1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP3, TP8	2	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		LM53603AQPWP	Texas Instruments	6th GENERATION BUCK REGULATOR, PWP0016H	PWP0016A
U2	1		TPS2549Q1RTE	Texas Instruments	Automotive USB Charging Port Controller with Integrated Power Switch & Cable Compensation, RTE0016C	RTE0016C

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