

**Bill of Materials of PMP9773**

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
C1	1	22uF	CAP, CERM, 22 µF, 10 V, +/- 20%, X5R, 0603	0603	GRM188R61A226ME15D	MuRata		
C2	1	0.01uF	CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, 0402	0402	GRM155R71H103KA88D	MuRata		
C3	1	2.2uF	CAP, CERM, 2.2 µF, 25 V, +/- 10%, X5R, 0402	0402	GRM155R61E225KE11D	MuRata		
C4	1	0.047uF	CAP, CERM, 0.047uF, 10V, +/-10%, X5R, 0402	0402	GRM155R61A473KA01D	MuRata		
C5	1	0.1uF	CAP, CERM, 0.1uF, 16V, +/-10%, X5R, 0402	0402	GRM155R61C104KA88D	MuRata		
C6, C12	2	1uF	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0603	0603	GRM188R61E105KA12D	MuRata		
C7, C8, C9	3	22uF	CAP, CERM, 22 µF, 25 V, +/- 20%, X5R, 0805	0805	GRM21BR61E226ME44	MuRata		
C10	1	0.22uF	CAP, CERM, 0.22 µF, 10 V, +/- 10%, X5R, 0402	0402	GRM155R61A224KE19D	MuRata		
C11	1	100pF	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402	GRM1535C1H101JDD5D	MuRata		
J1, J2	2				Connector		-	-
L1	1	1.5uH	Inductor, Shielded Drum Core, Superflux, 1.5 µH, 11 A, 0.0078 ohm, SMD	WE-HC4	744311150	Wurth Elektronik eiSos		
R1	1	4.7k	RES, 4.7 k, 5%, 0.063 W, 0402	0402	CRCW04024K70JNED	Vishay-Dale		
R2, R11	2	1.00Meg	RES, 1.00 M, 1%, 0.063 W, 0402	0402	CRCW04021M00FKED	Vishay-Dale		
R3, R13	2	100k	RES, 100k ohm, 1%, 0.063W, 0402	0402	CRCW0402100KFKED	Vishay-Dale		
R5	1	316k	RES, 316 k, 1%, 0.063 W, 0402	0402	CRCW0402316KFKED	Vishay-Dale		
R6	1	100k	RES, 100 k, 1%, 0.063 W, 0402	0402	CRCW0402100KFKED	Vishay-Dale		
R7	1	332k	RES, 332 k, 1%, 0.063 W, 0402	0402	CRCW0402332KFKED	Vishay-Dale		
R8	1	95.3k	RES, 95.3 k, 1%, 0.063 W, 0402	0402	CRCW040295K3FKED	Vishay-Dale		
R9, R12	2	127k	RES, 127 k, 1%, 0.063 W, 0402	0402	CRCW0402127KFKED	Vishay-Dale		
R10	1	3.01k	RES, 3.01 k, 1%, 0.063 W, 0402	0402	CRCW04023K01FKED	Vishay-Dale		
R14	1	390k	RES, 390 k, 5%, 0.063 W, 0402	0402	CRCW0402390KJNED	Vishay-Dale		
U1	1		13.2-V Output, Synchronous Boost Converter with 10-A Switch, RHL0020A	RHL0020A	TPS61088RHLR	Texas Instruments		
U2	1		12V eFuse with Integrated Blocking FET Driver, Auto Retry, DRC0010J	DRC0010J	TPS2592AADRC	Texas Instruments		
U3	1				CHY100	Power Integrations	-	-
R4	0						-	-

**Notes:**

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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