

## PMP10000 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C12, C18, C29, C32, C36	6	0.1uF	Std	Std	CAP, CERM, 0.1uF, 16V, +/-10%, X5R, 0402	0402
C2, C3, C4, C19, C20, C21	6	22uF	Std	Std	CAP, CERM, 22uF, 25V, +/-10%, X5R, 1210	1210
C5, C22	2	0.1uF	Std	Std	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	0603
C6, C7, C23, C24, C70	5	1000pF	Std	Std	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402	0402
C9, C10, C26, C27	4	470uF	4TPF470M5EL	Sanyo	CAP, TA, 470uF, 4V, +/-20%, 0.005 ohm, SMD	7.3x2.8x4.3mm
C11, C28, C34	3	4.7uF	Std	Std	CAP, CERM, 4.7uF, 16V, +/-10%, X5R, 0603	0603
C13, C14, C30, C31	4	22uF	Std	Std	CAP, CERM, 22uF, 16V, +/-20%, X5R, 0805	0805
C15	1	470pF	Std	Std	CAP, CERM, 470pF, 25V, +/-5%, C0G/NP0, 0402	0402
C16	1	22pF	Std	Std	CAP, CERM, 22pF, 50V, +/-5%, C0G/NP0, 0402	0402
C17	1	4700pF	Std	Std	CAP, CERM, 4700pF, 50V, +/-10%, X7R, 0402	0402
C33, C245, C246	3	1uF	Std	Std	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0603	0603
C35	1	1uF	Std	Std	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402
J1	1		ED120/2DS	On-Shore Technology	TERMINAL BLOCK 5.08MM VERT 2POS, TH	TERM_BLK, 2pos, 5.08mm
J11	1		5103308-1	TE Connectivity	Header (shrouded), 100mil, 5x2, Gold, TH	5x2 Shrouded header
L1, L2	2	220nH	PIMB104T-R22MS	Cyntec	Inductor, Powdered Iron, 220nH, 35A, 0.00095 ohm, SMD	11x3x10mm
R1, R10	2	2.2	Std	Std	RES, 2.2 ohm, 5%, 0.063W, 0402	0402
R2, R5, R7	3	49.9	Std	Std	RES, 49.9 ohm, 1%, 0.063W, 0402	0402
R6	1	4.99k	Std	Std	RES, 4.99k ohm, 1%, 0.063W, 0402	0402
R8	1	10.0k	Std	Std	RES, 10.0k ohm, 1%, 0.063W, 0402	0402
R9	1	20.0k	Std	Std	RES, 20.0k ohm, 1%, 0.063W, 0402	0402
R11	1	15.0k	Std	Std	RES, 15.0k ohm, 1%, 0.063W, 0402	0402
R12	1	40.2k	Std	Std	RES, 40.2k ohm, 1%, 0.063W, 0402	0402
R15, R16	2	38.3k	Std	Std	RES, 38.3k ohm, 1%, 0.063W, 0402	0402
R30, R102, R103, R104, R107	5	100k	Std	Std	RES, 100k ohm, 1%, 0.063W, 0402	0402
R105, R106	2	8.06k	Std	Std	RES, 8.06k ohm, 1%, 0.063W, 0402	0402
T1, T2, T3, T5	4	50A	CB35-36-CY	Panduit	Terminal 50A Lug	CB35-36-CY
TP1, TP2, TP3, TP9, TP10, TP11	6	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4, TP8	2	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP5, TP6, TP7	3	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1, U2	2		CSD95378	Texas Instruments	Synchronous Buck NexFET Power Stage, NexFET Q5M	TRANS_NexFET_Q5M
U3	1		TPS40428RHA	Texas Instruments	Dual output, 2 phase, stackable PMBUS synchronous buck driverless controller, RHA0040B	RHA0040B
U203	1		TPS73233DBV	Texas Instruments	Cap-Free, NMOS, 250mA Low Dropout Regulator with Reverse Current Protection, DBV0005A	DBV0005A

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