

Filename: PMP8570RevB - BoM.xls

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Buck-Boost 10..32V -> 28V @ 2.5A

Quantity	Designator	Value	Description	Package	PartNumber	Manufacturer
5	C1, C2, C3, C4, C5	2.2uF	CAP, CERM, 2.2uF, 100V, +/-20%, X7R, 1812	1812	C4532X7R2A225M	TDK
4	C6, C13, C16, C17	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	GRM188R71H104KA93D	MuRata
4	C7, C8, C9,	3.3uF	CAP, CERM, 3.3uF, 50V, +/-10%, X7R, 1210	1210	GRM32DR71H335KA88L	MuRata
4	C11-1, C11-2, C12-1,	47uF	CAP, TA, 47uF, 35V, +/-10%, 0.3 ohm, SMD	7343-43	T495X476K035ATE200	Kemet
1	C14	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	GRM1885C1H101JA01D	MuRata
1	C15	150pF	CAP, CERM, 150pF, 50V, +/-5%, C0G/NP0, 0603	0603	GRM1885C1H151JA01D	MuRata
1	C18	330pF	CAP, CERM, 330pF, 50V, +/-10%, X7R, 0603	0603	GRM188R71H331KA01D	MuRata
2	C20, C21	1uF	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0805	0805	GRM216R61E105KA12D	MuRata
1	C22	6800pF	CAP, CERM, 6800pF, 50V, +/-10%, X7R, 0603	0603	GRM188R71H682KA01D	MuRata
2	D2, D3	0.9V	Diode, Schottky, 40V, 6A, DPAK	DPAK	MBRD660CT	ON Semi
4	J1, J2, J3, J4	15A	Terminal screw, vertical, snap-in	7693	7693	Keystone
1	L1	47 uH	Inductor, Power Coke	21.5x21.8 mm	7443634700	WE
2	Q1, Q2	BSC123N08NS3	MOSFET, N-Chan, 60V, 22 A, 4.3 mOhm	QFN-8 POWER	BSC123N08NS3	Texas Instruments
1	R2	32.4k	RES, 32.4k ohm, 1%, 0.1W, 0603	0603	CRCW060332K4FKEA	Vishay-Dale
1	R3	1.00M	RES, 1.00Meg ohm, 1%, 0.1W, 0603	0603	CRCW06031M00FKEA	Vishay-Dale
2	R4, R5	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	CRCW06030000Z0EA	Vishay-Dale
2	R6-1, R6-2	0.025	RES, 0.025 ohm, 1%, 1W, 2010	2010	CSRN2010FK25L0	Stackpole
1	R8	100k	RES, 100k ohm, 1%, 0.1W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale
1	R9	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
1	R10	45.3k	RES, 45.3k ohm, 1%, 0.1W, 0603	0603	CRCW060345K3FKEA	Vishay-Dale
1	R11	5.11k	RES, 5.11k ohm, 1%, 0.1W, 0603	0603	CRCW06035K11FKEA	Vishay-Dale
1	R12	39.2k	RES, 39.2k ohm, 1%, 0.1W, 0603	0603	CRCW060339K2FKEA	Vishay-Dale
1	R14	4.53k	RES, 4.53k ohm, 1%, 0.1W, 0603	0603	CRCW06034K53FKEA	Vishay-Dale
2	TP8, TP9	White	Test Point, TH, Multipurpose, White	Keystone5012	5012	Keystone
1	U1	LM25118M	IC, Wide Voltage Range Buck-Boost Controller	HTSSOP	LM25118M	Texas Instruments

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