

## PMP30833 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C7	2	22uF	EEHZC1K220P	Panasonic	CAP, Polymer Hybrid, 22 $\mu$ F, 80 V,+/- 20%, 45 mohm	SMD 8x10
C3, C10	2	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 $\mu$ F, 100 V,+/- 10%, X7R, 1210	1210
C4	1	1000pF	GRM188R72A102KA01D	MuRata	CAP, CERM, 1000 pF, 100 V,+/- 10%, X7R, 0603	0603
C5, C9	2	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 $\mu$ F, 100 V,+/- 10%, X7R, 0603	0603
C11	1	0.47uF	GRM21BR72A474KA73L	MuRata	CAP, CERM, 0.47 $\mu$ F, 100 V,+/- 10%, X7R, 0805	0805
C12	1	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 $\mu$ F, 50 V,+/- 10%, X7R, 0603	0603
C13, C113	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
C14	1	4.7uF	GRM188Z71C475KE21D	MuRata	CAP, CERM, 4.7 $\mu$ F, 16 V,+/- 10%, X7R, 0603	0603
C15	1	0.047uF	GRM188R71E473KA01D	MuRata	CAP, CERM, 0.047 $\mu$ F, 25 V,+/- 10%, X7R, 0603	0603
C16	1	47pF	GRM1885C1H470JA01D	MuRata	CAP, CERM, 47 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
C17, C18	2	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 $\mu$ F, 25 V,+/- 10%, X7R, 0603	0603
C19	1	680pF	GRM1885C1E681JA01D	MuRata	CAP, CERM, 680 pF, 25 V,+/- 5%, C0G/NP0, 0603	0603
D1, D2	2	100V	30WQ10FNPF	Vishay-Semiconductor	Diode, Schottky, 100 V, 3.5 A, DPAK	DPAK
J1, J2	2		1725656	Phoenix Contact	Terminal Block, 100mil, 2x1, 6A, 63V	THT 6.2x8.5x5.54 mm
J3	1		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
L1	1	150uH	MSS1210-154KE	Coilcraft	Inductor, Shielded, Ferrite, 150 $\mu$ H, 2.5 A, 0.176 ohm	SMD 12.3x10x12.3mm
Q1, Q2	2	100V	IPD30N10S3L-34	Infineon Technologies	MOSFET, N-CH, 100 V, 30 A, AEC-Q101, DPAK	DPAK
R1	1	3.30	CRCW12103R30FKEAHP	Vishay-Dale	RES, 3.30, 1%, 0.75 W, AEC-Q200 Grade 0, 1210	1210
R2	1	0.1	ERJ-8BWFR100V	Panasonic	RES, 0.1, 1%, 0.5 W, 1206	1206
R3, R4, R10	3	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R5	1	1.00Meg	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, 0603	0603
R6	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
R7, R16	2	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R8	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R9	1	46.4k	CRCW060346K4FKEA	Vishay-Dale	RES, 46.4 k, 1%, 0.1 W, 0603	0603
R11	1	2.37k	CRCW06032K37FKEA	Vishay-Dale	RES, 2.37 k, 1%, 0.1 W, 0603	0603
R12	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R13	1	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49 k, 1%, 0.1 W, 0603	0603
R14	1	8.87k	CRCW06038K87FKEA	Vishay-Dale	RES, 8.87 k, 1%, 0.1 W, 0603	0603
R15	1	18.2k	CRCW060318K2FKEA	Vishay-Dale	RES, 18.2 k, 1%, 0.1 W, 0603	0603
TP1, TP4	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP3, TP9	3	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP5, TP6, TP10	3	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP7	1	Orange	5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
U1	1		LM5118MHX/NOPB	Texas Instruments	3-75V Wide Vin, CMode Non-Sync BuckBoost ctrl	PWP0020A (TSSOP-20)

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