

Filename: PMP30220RevB - BoM.xls
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PMP30220 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C9	2	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
2	C2, C7	2	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603
3	C3	1	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
4	C4	1	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
5	C5	1	1uF	GRM31MR71H105KA88L	MuRata	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, 1206	1206
6	C10, C15	2	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 µF, 50 V, +/- 10%, X7R, 1206	1206
7	C11	1	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 µF, 100 V, +/- 10%, X7R, 1210	1210
8	C14	1	56uF	EEHZA1J560P	Panasonic	CAP, Polymer Hybrid, 56 µF, 63 V, +/- 20%, 30 ohm, 10x10 SMD	10x10
9	C27	1	100uF	EEE-FC1H101P	Panasonic	CAP, AL, 100 µF, 50 V, +/- 20%, 0.3 ohm, SMD	SMT Radial G
10	D1	1	100V	SS1H10-E3/61T	Vishay-Semiconductor	Diode, Schottky, 100 V, 1 A, SMA	SMA
11	J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
12	J101	1		61300211121	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
13	L2	1	100uH	MSD1278-104ML	Coilcraft	Coupled inductor, 100 µH, 3.4 A, 0.3 ohm, TH	12.3x12.3mm
14	Q3	1	100V	SI7454DP	Vishay-Siliconix	MOSFET, N-CH, 100 V, 5 A, PowerPAK SO-8	PowerPAK SO-8
15	R1	1	267k	CRCW0603267KFKEA	Vishay-Dale	RES, 267 k, 1%, 0.1 W, 0603	0603
16	R2	1	25.5k	CRCW060325K5FKEA	Vishay-Dale	RES, 25.5 k, 1%, 0.1 W, 0603	0603
17	R3	1	3.24k	CRCW06033K24FKEA	Vishay-Dale	RES, 3.24 k, 1%, 0.1 W, 0603	0603
18	R4	1	29.4k	CRCW060329K4FKEA	Vishay-Dale	RES, 29.4 k, 1%, 0.1 W, 0603	0603
19	R5	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
20	R6	1	4.75	CRCW06034R75FKEA	Vishay-Dale	RES, 4.75, 1%, 0.1 W, 0603	0603
21	R7, R14, R15	3	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
22	R9	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
23	R10	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
24	R11	1	0.04	CSRN2512FK40L0	Stackpole Electronics Inc	RES, 0.04, 1%, 2 W, 2512	2512
25	TP1, TP8, TP11	3		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
26	TP2, TP10	2		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
27	TP4, TP7	2		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
28	U1	1		TPS40210QDGQRQ1	Texas Instruments	Automotive Wide Input Range Current Mode Boost Controller, DGQ0010D (VSSOP-10)	DGQ0010D

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