Filename: PMP30271RevB - BoM.xls
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PMP30271 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, C5	2	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
3	C3	1	10pF	GRM1885C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
4	C4	1	0.033uF	GRM188R71H333KA61D	MuRata	CAP, CERM, 0.033 µF, 50 V,+/- 10%, X7R, 0603	0603
5	C7	1	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0603	0603
6	C8, C10, C12, C14	4	4.7uF	GRM32ER71H475KA88L	MuRata	CAP, CERM, 4.7 µF, 50 V, +/- 10%, X7R, 1210	1210
7	C27	1	100uF	EEE-FK1V101P	Panasonic	CAP, AL, 100 µF, 35 V, +/- 20%, 0.16 ohm, AEC-Q200 Grade 2, SMD	SMT Radial F
8	D1	1	60V	VS-10BQ060HM3/5BT	Vishay-Semiconductor	Diode, Schottky, 60 V, 1 A, AEC-Q101, SMB	SMB
9	J1, J3	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
10	L1	1	47uH	MSS1260T-473MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 47 µH, 2.5 A, 0.08 ohm, SMD	12x6x12mm
11	Q3	1	60V	SQ4850EY	Vishay-Siliconix	MOSFET, N-CH, 60 V, 12 A, SOIC-8	SOIC-8
12	R1	1	243k	CRCW0603243KFKEA	Vishay-Dale	RES, 243 k, 1%, 0.1 W, 0603	0603
13	R2	1	4.32k	CRCW06034K32FKEA	Vishay-Dale	RES, 4.32 k, 1%, 0.1 W, 0603	0603
14	R3	1	3.01k	CRCW06033K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, 0603	0603
15	R5	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
16	R6	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
17	R7, R15	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
18	R9	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
19	R10	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
20	R11	1	0.04	CSRN2010FK40L0	Stackpole Electronics Inc	RES, 0.04, 1%, 1 W, 2010	2010
21	U1	1		TPS40210QDGQRQ1	Texas Instruments	4.5-V TO 52-V INPUT CURRENT MODE BOOST CONTROLLER, DGQ0010D	DGQ0010D

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