

Filename: PMP30352RevD - BoM.xls
 Variant: None
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PMP30352 REV D Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C3, C8, C9	4	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
2	C2	1	150uF	PCV1V151MCL1GS	Nichicon	CAP, Aluminum Polymer, 150 μ F, 35 V, +/- 20%, 0.028 ohm, AEC-Q200 Grade 2, D10xL12.7mm SMD	D10xL12.7mm
3	C4	1	680pF	GRM2165C2A681JA01D	MuRata	CAP, CERM, 680 pF, 100 V, +/- 5%, C0G/NP0, 0805	0805
4	C5, C7	2	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 μ F, 100 V, +/- 10%, X7R, 0603	0603
5	C6	1	47uF	PCV1J470MCL2GS	Nichicon	CAP, Aluminum Polymer, 47 μ F, 63 V, +/- 20%, 0.03 ohm, AEC-Q200 Grade 2, D10xL10mm SMD	D10xL10mm
6	C10	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 0603	0603
7	C11, C12	2	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
8	C13	1	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01 μ F, 50 V, +/- 10%, X7R, 0603	0603
9	C14	1	0.22uF	GRM188R71H224KAC4D	MuRata	CAP, CERM, 0.22 μ F, 50 V, +/- 10%, X7R, 0603	0603
10	C15	1	56pF	GRM1885C1H560JA01D	MuRata	CAP, CERM, 56 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
11	D1	1	60V	SS5P6-M3/86A	Vishay-Semiconductor	Diode, Schottky, 60 V, 5 A, TO-277A	TO-277A
12	FID1, FID2, FID3, FID4	4		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
13	J1, J2	2		61300211121	Wurth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
14	L1	1	15uH	XAL1010-153MEB	Coilcraft	Inductor, Shielded, Composite, 15 μ H, 13.8 A, 0.02 ohm, SMD	Inductor, 11.3x10x10mm
15	Q1	1	60V	SQJA60EP	Vishay-Siliconix	MOSFET, N-CH, 60 V, 30 A, AEC-Q101, PowerPAK SO-8L	PowerPAK SO-8L
16	R1	1	6.8	CRCW20106R80JNEF	Vishay-Dale	RES, 6.8, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
17	R2	1	909k	CRCW0603909KFKEA	Vishay-Dale	RES, 909 k, 1%, 0.1 W, 0603	0603
18	R3, R4	2	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
19	R5	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
20	R6	1	232k	CRCW0603232KFKEA	Vishay-Dale	RES, 232 k, 1%, 0.1 W, 0603	0603
21	R7	1	0.016	RL3720WT-R016-F	Susumu Co Ltd	RES, 0.016, 1%, 1 W, 1508	1508
22	R8	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
23	R9, R10	2	150k	CRCW0603150KFKEA	Vishay-Dale	RES, 150 k, 1%, 0.1 W, 0603	0603
24	R11	1	4.75k	CRCW06034K75FKEA	Vishay-Dale	RES, 4.75 k, 1%, 0.1 W, 0603	0603
25	TP1, TP2	2		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
26	U1	1		TPS40210QDGQRQ1	Texas Instruments	4.5-V TO 52-V INPUT CURRENT MODE BOOST CONTROLLER, DGQ0010D	DGQ0010D