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Variant: None

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PMP10189 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C8, C20, C23	4	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01 μ F, 50 V, +/- 10%, X7R, 0603	0603
2	C2, C4, C5, C6, C7, C11, C17, C21	8	1uF	GRM32CR72A105KA35L	MuRata	CAP, CERM, 1 μ F, 100 V, +/- 10%, X7R, 1210	1210
3	C3	1	47uF	EEE-FK1K470P	Panasonic	CAP, AL, 47 μ F, 80 V, +/- 20%, 0.7 ohm, SMD	SMT Radial G
4	C9, C24	2	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1 μ F, 16 V, +/- 10%, X7R, 0603	0603
5	C10	1	1000pF	GRM188R71H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
6	C12, C13, C14, C18, C22	5	10uF	GRM21BR71A106KE51L	MuRata	CAP, CERM, 10 μ F, 10 V, +/- 10%, X7R, 0805	0805
7	C15, C16, C19	3	390pF	GRM1885C1H391JA01D	MuRata	CAP, CERM, 390 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
8	C25	1	470pF	GRM188R71H471KA01D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0603	0603
9	FID1, FID2, FID3, FID4	4		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
10	J1, J2, J3, J4, J5, J6	6		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
11	L1, L3, L4, L5	4	3.3uH	LPS3010-332MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 3.3 μ H, 0.9 A, 0.22 ohm, SMD	LPS3010
12	L2	1	150uH	MSS1038-154KLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 150 μ H, 1.2 A, 0.51 ohm, SMD	MSS1038
13	L6	1	47uH	LPS3015-473MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 47 μ H, 0.39 A, 1.55 ohm, SMD	LPS3015
14	R1	1	84.5k	CRCW060384K5FKEA	Vishay-Dale	RES, 84.5 k, 1%, 0.1 W, 0603	0603
15	R2	1	442k	CRCW0603442KFKEA	Vishay-Dale	RES, 442 k, 1%, 0.1 W, 0603	0603
16	R3	1	22.1k	CRCW060322K1FKEA	Vishay-Dale	RES, 22.1 k, 1%, 0.1 W, 0603	0603
17	R4, R9, R10, R13, R18	5	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
18	R5, R6, R11, R14	4	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
19	R7, R16	2	52.3k	CRCW060352K3FKEA	Vishay-Dale	RES, 52.3 k, 1%, 0.1 W, 0603	0603
20	R8	1	16.9k	CRCW060316K9FKEA	Vishay-Dale	RES, 16.9 k, 1%, 0.1 W, 0603	0603
21	R12	1	31.6k	CRCW060331K6FKEA	Vishay-Dale	RES, 31.6 k, 1%, 0.1 W, 0603	0603
22	R15	1	16.2k	CRCW060316K2FKEA	Vishay-Dale	RES, 16.2 k, 1%, 0.1 W, 0603	0603
23	R17	1	5.90k	CRCW06035K90FKEA	Vishay-Dale	RES, 5.90 k, 1%, 0.1 W, 0603	0603
24	TP1, TP3, TP5, TP7, TP9, TP11	6	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
25	TP2, TP4, TP6, TP8, TP10, TP12	6	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
26	U1, U5	2		LM5017MRX/NOPB	Texas Instruments	100V, 600mA Constant On-Time Synchronous Buck Regulator, DDA0008B	DDA0008B
27	U2	1		TLV62080DSG	Texas Instruments	1.2A High Efficient Step Down Converter in 2x2mm SON Package, DSG0008A	DSG0008A
28	U3, U4	2		TPS62160DGKR	Texas Instruments	Buck Step Down Regulator with 3 to 17 V Input and 0.9 to 6 V Output, -40 to 85 degC, 8-Pin VSOP (DGK), Green (RoHS & no Sb/Br)	DGK0008A

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