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PMP10170 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	5VG, AOUT, GND1, GND2, RESET, REST, VBAT,	8	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
2	C1, C2	2	4700pF	GRM188R71H472KA01D	MuRata	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0603	0603
3	C3	1	0.47uF	GRM188R71E474KA12D	MuRata	CAP, CERM, 0.47 µF, 25 V, +/- 10%, X7R, 0603	0603
4	C4, C7	2	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
5	C5	1	0.1uF	GRM319R72A104KA01D	MuRata	CAP, CERM, 0.1 µF, 100 V, +/- 10%, X7R, 1206	1206
6	C6	1	100uF	EEE-FK1H101P	Panasonic	CAP, AL, 100 µF, 50 V, +/- 20%, 0.34 ohm, SMD	SMT Radial F
7	C8	1	330uF	EEE-FK1A331P	Panasonic	CAP, AL, 330 µF, 10 V, +/- 20%, 0.16 ohm, SMD	SMT Radial F
8	C9	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603
9	C10	1	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, 0603	0603
10	C101, C102	2	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 µF, 100 V, +/- 10%, X7R, 1210	1210
11	C103	1	22uF	GCM32ER71C226KE19L	MuRata	CAP, CERM, 22 µF, 16 V, +/- 10%, X7R, 1210	1210
12	D2	1	60V	B360-13-F	Diodes Inc.	Diode, Schottky, 60 V, 3 A, SMC	SMC
13	JP1, JP2, JP3, JP4, JP5	5		61300311121	Würth Elektronik eiSos	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
14	L1	1	33uH	SLF7032T-330MR75-2PF	TDK	Inductor, Shielded Drum Core, Ferrite, 33 µH, 0.75 A, 0.16 ohm	Inductor, 7x3.2x7mm
15	L2	1	3.3uH	SLF7032T-3R3M1R9-2PF	TDK	Inductor, Shielded Drum Core, Ferrite, 3.3 µH, 1.9 A, 0.023 ohm	Inductor, 7x3.2x7mm
16	R1	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
17	R2	1	60.4k	CRCW080560K4FKEA	Vishay-Dale	RES, 60.4 k, 1%, 0.125 W, 0805	0805
18	R3, R4	2	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
19	R5	1	100k	CRCW0805100KfKEA	Vishay-Dale	RES, 100 k, 1%, 0.125 W, 0805	0805
20	U1	1		TPIC74101QPWPRQ1	Texas Instruments	BUCK/BOOST SWITCH-MODE REGULATOR, PWP0020D	PWP0020D

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