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PMP10151 REV C Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C5, C9, C11, C12	5	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
2	C2	1	4.7uF	GRM21BR71A475KA73L	MuRata	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X7R, 0805	0805
3	C3	1	2.2uF	GRM31CR71H225KA88L	MuRata	CAP, CERM, 2.2 uF, 50 V, +/- 10%, X7R, 1206	1206
4	C4	1	330uF	EEE-FK1V331P	Panasonic	CAP, AL, 330 uF, 35 V, +/- 20%, 0.08 ohm, SMD	SMT Radial G
5	C6	1	4.7uF	GRM21BR71C475KA73L	MuRata	CAP, CERM, 4.7 uF, 16 V, +/- 10%, X7R, 0805	0805
6	C7	1	0.047uF	GRM188R71H473KA61D	MuRata	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, 0603	0603
7	C8	1	1000pF	GRM188R71H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
8	C10, C101, C102	3	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0603	0603
9	C13, C14	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
10	D1	1	40V	MBR0540T1G	ON Semiconductor	Diode, Schottky, 40 V, 0.5 A, SOD-123	SOD-123
11	D2, D3	2	30V	BAT54-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
12	J1, J3	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
13	J2	1		923345-02-C	3M	Jumper Wire, 200mil spacing, Red, pkg of 200	200 mil Jumper Wire
14	J4	1		5103308-1	TE Connectivity	Header (shrouded), 100mil, 5x2, Gold, TH	5x2 Shrouded header
15	J5, J6	2		61300311121	Würth Elektronik eiSos	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
16	L1	1	33uH	MSD7342-333ML	Coilcraft	Coupled inductor, 33 uH, 0.76 A, 0.27 ohm, +/- 20%, SMD	7.5x4.6x7.5mm
17	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	8	60V	2N7002-7-F	Diodes Inc.	MOSFET, N-CH, 60 V, 0.17 A, SOT-23	SOT-23
18	R1	1	20.5k	CRCW060320K5FKEA	Vishay-Dale	RES, 20.5 k, 1%, 0.1 W, 0603	0603
19	R2	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
20	R3	1	10.0	CRCW120610R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.25 W, 1206	1206
21	R4, R5, R6	3	0	CRCW0603000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
22	R7, R8	2	90.9k	CRCW060390K9FKEA	Vishay-Dale	RES, 90.9 k, 1%, 0.1 W, 0603	0603
23	R9	1	84.5k	CRCW060384K5FKEA	Vishay-Dale	RES, 84.5 k, 1%, 0.1 W, 0603	0603
24	R10, R12, R18, R19, R20, R22, R28, R29, R30, R31, R32, R37, R38, R39, R40	15	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
25	R11	2	11.8k	CRCW060311K8FKEA	Vishay-Dale	RES, 11.8 k, 1%, 0.1 W, 0603	0603
26	R13	1	4.53k	CRCW06034K53FKEA	Vishay-Dale	RES, 4.53 k, 1%, 0.1 W, 0603	0603
27	R14, R15, R16, R17	4	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
28	R21	1	1.18k	CRCW06031K18FKEA	Vishay-Dale	RES, 1.18 k, 1%, 0.1 W, 0603	0603
29	R23	1	5.62k	CRCW06035K62FKEA	Vishay-Dale	RES, 5.62 k, 1%, 0.1 W, 0603	0603
30	R24	1	44.2k	CRCW060344K2FKEA	Vishay-Dale	RES, 44.2 k, 1%, 0.1 W, 0603	0603
31	R25	1	88.7k	CRCW060388K7FKEA	Vishay-Dale	RES, 88.7 k, 1%, 0.1 W, 0603	0603
32	R26	1	178k	CRCW0603178KFKFA	Vishay-Dale	RES, 178 k, 1%, 0.1 W, 0603	0603
33	R27	1	357k	CRCW0603357KFKFA	Vishay-Dale	RES, 357 k, 1%, 0.1 W, 0603	0603
34	R33	1	2.15k	CRCW06032K15FKEA	Vishay-Dale	RES, 2.15 k, 1%, 0.1 W, 0603	0603
35	R34	1	4.22k	CRCW06034K22FKEA	Vishay-Dale	RES, 4.22 k, 1%, 0.1 W, 0603	0603
36	R35	1	8.45k	CRCW06038K45FKEA	Vishay-Dale	RES, 8.45 k, 1%, 0.1 W, 0603	0603
37	R36	1	16.9k	CRCW060316K9FKEA	Vishay-Dale	RES, 16.9 k, 1%, 0.1 W, 0603	0603
38	R101	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
39	S1, S2	2		78B04ST	Grayhill	DIP Switch, SPST 4Pos, Slide, TH	DIP Switch, 4 Pos
40	TP1, TP4	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
41	TP2, TP5	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
42	TP3, TP6, TP7, TP8	4	Yellow	5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
43	U1	1		LM5001IDRQ1	Texas Instruments	LM5001x High-Voltage Switch-Mode Regulator, D0008A	D0008A
44	U2	1		LM10011SD/NOPB	Texas Instruments	1% Accuracy 4 / 6-Bit VID Voltage Programmer for Point of Load Regulator	DSC0010A
45	U3	1		TLV274QDRG4Q1A	Texas Instruments	550 uA/Ch, 3 MHz, Rail-to-Rail Output Operational Amplifier, 2.7 to 16 V, -40 to 125 degC	D0014A
46	U101	1		LP2980AIM5-5.0/NOPB	Texas Instruments	Micropower 50 mA Ultra Low-Dropout Regulator, 5-pin SOT-23, Pb-Free	MF05A

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