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PMP20516 REV A Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C2, C3, C4,	10	22uF	12103D226MAT2A	AVX	CAP, CERM, 22 μF, 25 V, +/- 20%, X5R, 1210	1210
	C5, C26, C27,						
	C28, C29, C30						
2	C6, C7, C8, C23,	6	330uF	6TPF330M9L	Panasonic	CAP, Tantalum Polymer, 330 µF, 6.3 V, +/- 20%, 0.009 ohm,	7.3x2.8x4.3mm
	C24, C25					7.3x2.8x4.3mm SMD	
3	C9, C10, C13	3	0.1uF	GRM155R61H104ME14D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 20%, X5R, 0402	0402
4	C11	1	1uF	885012206076	Wurth Elektronik	CAP, CERM, 1 μF, 25 V, +/- 10%, X7R, 0603	0603
5	C12	1	4.7uF	GRM188R61A475ME15	MuRata	CAP, CERM, 4.7 μF, 10 V, +/- 20%, X5R, 0603	0603
6	C14	1	0.1uF	885012205037	Wurth Elektronik	CAP, CERM, 0.1 μF, 16 V, +/- 10%, X7R, 0402	0402
7	C16	1	0.047uF	GRM155R71E473KA88D	MuRata	CAP, CERM, 0.047 μF, 25 V, +/- 10%, X7R, 0402	0402
8	C17	1	1000pF	885012205044	Wurth Elektronik	CAP, CERM, 1000 pF, 25 V, +/- 10%, X7R, 0402	0402
9	C18	1	3300pF	GRM188R71E332KA01D	MuRata	CAP, CERM, 3300 pF, 25 V, +/- 10%, X7R, 0603	0603
10	C19	1	22pF	C0805C220KBRACTU	Kemet	CAP, CERM, 22 pF, 630 V, +/- 10%, X7R, 0805	0805
11	C31, C32	2	2200pF	885012205027	Wurth Elektronik	CAP, CERM, 2200 pF, 16 V,+/- 10%, X7R, 0402	0402
12	J1	1		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm
							Terminal Block
13	J6, J7	2		71003-TB	Thomas & Betts	Locktite Copper Cone Screw Lug for Conductor Range 14-8, TH	Locktite Copper Cone
							Screw Lug for
							Conductor Range 14-
							8, TH
14	L1, L2	2	1.5uH	IHLP6767GZER1R5M11	Vishay-Dale	Inductor, Shielded, Powdered Iron, 1.5 µH, 31 A, 0.00162 ohm, SMD	17.15x7.0x17.15mm
15	Q1, Q2	2		CSD87353Q5D	Texas Instruments	Synchronous Buck NexFET Power Block, DQY0008A	DQY0008A
16	R1, R2	2	3.3	CRCW04023R30JNED	Vishay-Dale	RES, 3.3, 5%, 0.063 W, 0402	0402
17	R3	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
18	R5	1	90.9k	CRCW040290K9FKED	Vishay-Dale	RES, 90.9 k, 1%, 0.063 W, 0402	0402
19	R6	1	1.82k	PCF0402-12-1K82BT1	TT Electronics/IRC	RES, 1.82 k, 0.1%, 0.063 W, 0402	0402
20	R7	1	10.0k	CRCW040210K0DHEDP	Vishay-Dale	RES, 10.0 k, 0.5%, 0.063 W, 0402	0402
21	R11, R23	2	8.87k	CRCW04028K87FKED	Vishay-Dale	RES, 8.87 k, 1%, 0.063 W, 0402	0402
22	R12	1	66.5k	CRCW040266K5FKED	Vishay-Dale	RES, 66.5 k, 1%, 0.063 W, 0402	0402
23	R13	1	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.063 W, 0402	0402
24	R14, R17	2	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
25	R15	1	3.01k	CRCW04023K01FKED	Vishay-Dale	RES, 3.01 k, 1%, 0.063 W, 0402	0402
26	R16	1	2.67k	CRCW04022K67FKED	Vishay-Dale	RES, 2.67 k, 1%, 0.063 W, 0402	0402
27	R24, R25	2	1.0	CRCW12061R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.25 W, 1206	1206
28	TP1, TP2, TP3,	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature
29	TP5			5000	IZ a contact a	Total Deliat Affabrasa Milita Till	Testpoint
29	TP4, TP6, TP7	3		5002	Keystone	Test Point, Miniature, White, TH	White Miniature
30	TP8, TP9, TP10,	4		5001	Mariatana.	Test Point, Miniature, Black, TH	Testpoint Black Miniature
30	TP11	4		5001	Keystone	Test Point, Miniature, Black, Th	Testpoint
31	U1	1		TPS40322RHBR	Texas Instruments	Duel Output or Two Phone Cynobropous Busk Controller BHR0022D	RHB0032D
32	C15	0	100pF	06033C101KAT2A	AVX	Dual Output or Two-Phase Synchronous Buck Controller, RHB0032D CAP, CERM, 100 pF, 25 V, +/- 10%, X7R, 0603	0603
33	C20	0	1000pF	885012205044	Wurth Elektronik	CAP, CERM, 100 pF, 25 V, +/- 10%, X/R, 0402	0402
33	C21	0	22pF	C0805C220KBRACTU	Kemet	CAP, CERM, 1000 pr, 25 V, +/- 10%, X/R, 0402 CAP, CERM, 22 pF, 630 V, +/- 10%, X/R, 0805	0805
35	C22	0	3300pF	GRM188R71E332KA01D	MuRata	CAP, CERM, 3300 pF, 25 V, +/- 10%, X/R, 0603	0603
36	R4, R8	0	DNP	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
37	R9	0	10.0k	CRCW040210K0FKED	Vishay-Dale Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
38	R10	0	90.9k	CRCW040210K0FKED	Vishay-Dale Vishay-Dale	RES, 90.9 k, 1%, 0.063 W, 0402	0402
39	R18	0	49.9	CRCW040290R9FKED	Vishay-Dale Vishay-Dale	RES, 49.9, 1%, 0.063 W, 0402	0402
40	R19. R22	0	20.0k	CRCW040249K9FKED	Vishay-Dale Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
41	R20	0	3.01k	CRCW04023K01FKED	Vishay-Dale Vishay-Dale	RES, 3.01 k, 1%, 0.063 W, 0402	0402
42	R21	0	2.67k	CRCW04022K67FKED	Vishay-Dale Vishay-Dale	RES, 2.67 k, 1%, 0.063 W, 0402	0402
12	1.7-1		2.07 K	C. C. TO TOLLETON INED	. is.idy baio	1.120, 2.0. 11, 170, 0.000 11, 0.102	U .UL

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