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PMP23488 REV B Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPC2500	1		PMP23488	Any	Printed Circuit Board	
2	C100, C101, C102	3	0.22uF	C1608XSR1H24K080AB	TDK	CAP, CERAM, 0.22 uF, 50 V, +/- 10%, X5R, 0603	0603
3	C103, C104, C105	3	82uF	450HXXW2MEFR10X60	Rubycon	82 uF 450 V Aluminum Electrolytic Capacitors Radial, Can 2000 Hrs @ 105°C	RADIAL
4	C106, C107, C108, C109	4	0.022uF	GRM32QRT22J223KXW01L	MuRata	CAP, CERAM, 0.022 uF, 630 V, +/- 10%, X7R, 1210	1210
5	C110, C111, C112, C117	4			Wurth Elektronik	WCAP-FTX2 Film Capacitor, THT, L13 x W4.5 x H6.5mm, 47nF, 275V	
6	C113, C113K, C114, C114K, C115, C116, C7	7	100nF	F861BB104K310A	KEMET	0.1 uF Film Capacitor 310V 630V Polypropylene (PP), Metallized Radial	RADIAL
7	C118, C119, C120, C121	4	220pF	DEB3KJ221H03A	MuRata	CAP, CERAM, 220 pF, 300 V, +/- 10%, B, TH, 2- Leads, Body 8x7mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 8x7mm, Pin Spacing 7.5mm
8	C122, C123	2	100pF	DE2B3K101H1KNSA02F	MuRata	CAP, CERAM, 100 pF, X1 250 VAC/Y2 300 VAC, +/- 10%, B, TH	TH, 2- Leads, Body 7x6mm, Pin Spacing 7.5mm
9	C124, C125	2	2.2pF	0603SA2R2CAT2A	AVX	CAP, CERAM, 2.2 pF, 50 V, +/- 11%, COG/NP0, 0603	0603
10	C126	1	150pF	C0603C391K0RACTU	Kemet	CAP, CERAM, 150 pF, 50 V, +/- 10%, X7A, 0603	0603
11	C127	1	2.2uF	C1608XSR1V225K080AC	TDK	CAP, CERAM, 2.2 uF, 35 V, +/- 10%, X5R, 0603	0603
12	C128, C129, C138	3	1200pF	GRM188SC1H122JA01D	MuRata	CAP, CERAM, 1200 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
13	C130	1	1.5uF	C1608XSR1V150K080AC	TDK	CAP, CERAM, 1.5 uF, 35 V, +/- 10%, X5R, 0603	0603
14	C131	1	0.01uF	C1206C10KSRRACTU	Kemet	CAP, CERAM, 0.01 uF, 50 V, +/- 10%, X7R, 1206	1206
15	C132	1	0.22uF	C1608XSR1E225K080AC	TDK	CAP, CERAM, 0.22 uF, 35 V, +/- 10%, X7R, 0603	0603
16	C134	1	470pF	06031C471KAT2A	AVX	CAP, CERAM, 470 pF, 100 V, +/- 10%, X7R, 0603	0603
17	C136	1	880pF	GRM188SC1E8B1JA01D	MuRata	CAP, CERAM, 880 pF, 25 V, +/- 5%, COG/NP0, 0603	0603
18	C200, C201	2	0.47uF	C1608XSR1H474K080AC	TDK	CAP, CERAM, 0.47 uF, 50 V, +/- 10%, X7R, 0603	0603
19	C202, C203	2	100pF	06033C101KAT2A	AVX	CAP, CERAM, 100 pF, 25 V, +/- 10%, X7R, 0603	0603
20	C300, C305, C310	3	100pF	0603SA101FAT2A	AVX	CAP, CERAM, 100 pF, 50 V, +/- 11%, COG/NP0, 0603	0603
21	C301, C302, C303, C304, C306, C307, C308, C309, C311, C312, C313, C314	12	22uF	GMK325BJ226MM-P	Taiyo Yuden	CAP, CERAM, 22 uF, 35 V, +/- 20%, X5R, 1210	1210
22	C315, C316, C317, C318	4	22uF	C3216XSR1E226M160AB	TDK	CAP, CERAM, 22 uF, 25 V, +/- 20%, X5R, 1206, 190	1206, 190
23	C400	1	10uF	GRM31CR7E106KA12L	MuRata	CAP, CERAM, 10 uF, 25 V, +/- 10%, X7R, 1206	1206
24	D100, D104	2	600V	GBUJ3	Fairchild Semiconductor	Diode, Switching-Bridge, 600 V, 6 A, TH	GBU
25	D101	1	100V	1N4149W-7-F	Diodes Inc.	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	SOD-123
26	D102	1	600V	MUR8307-3G	ON Semiconductor	Diode, Ultrafast, 600 V, 3 A, SMC	SMC
27	D103, D105	2		MUR860G	On Semiconductor	Diode 600 V 8A Through Hole TO-220-2	TO-220-2
28	D106, D107	2	1000V	1N4007-ES73	Vishay-Semiconductor	Diode, P-N, 1000 V, 1 A, TH	DO-41
29	D400	1	60V	1S14MA025B7G	ON Semiconductor	Diode, Zener, 60 V, 500 mW, SMD	SMD
30	D401, D402	2	30V	BAT54WS-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
31	F100	1		021608.MXEP	Infelusee	Fuse, 8 A, 250 VAC, TH	Fuse, 20x5.2mm
32	H500, H501, H502, H503	4		NF PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
33	J100, J101	2		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
34	J302, J306, J313, J317	4		ED120/4DS	On-Shore Technology	Terminal Block, 5.08 mm, 4x1, Brass, TH	4x1 5.08 mm Terminal Block
35	J318	1		875-4	Keystone	Standard Banana Jack, Unsoldered, 5.5mm	Keystone, 875-4
36	L100	1		74468B0120	Würth Electronics	330 uH @ 10 kHz 2 Line Common Mode Choke Through Hole 12A DCR 60Ohm	PTH, CMC, 27MM5, 2 5MM0
37	L101	1			Würth Elektronik	RES-50 11H Rod Core Choke, 2uH, 15A, 1.7mOhm	
38	Power, On, TC0N On	2		5012	Keystone Electronics	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
39	Q100, Q101	2	600V	IPF60R022S7KSA1	Infineon Technologies	N-Channel 600 V 23A (Tc) 300W (TO) TO220	TO-220AB
40	Q105	1	60V	2N7002	Fairchild Semiconductor	MOSFET, N-CH, 60 V, 115 A, SOT-23	SOT-23
41	Q300	1	40 V	ZXTP2504DDFHTA	Diodes Inc.	Transistor, PNP, 40 V, 3 A, SOT-23	SOT-23
42	Q400	1	60V	NU61R025LTG	ON Semiconductor	Transistor, NPN, 60 V, 0.5 A, AEC-Q101, SOT-23	SOT-23
43	Q401, Q402	2	60V	2N7002-7-F	Diodes Inc.	MOSFET, N-CH, 60 V, 0.17 A, SOT-23	SOT-23
44	R100	1	3.01	RC0603FR-073R01L	Yageo	RES, 3.01 k, 1%, 0.1 W, 0603	0603
45	R101	1		RC0603FR-071R0L	Yageo	RES, 1.00 k, 1%, 0.1 W, 0603	0603
46	R102	1	7.32k	CRCW0603732CFKEA	Vishay-Dale	RES, 7.32 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
47	R103, R104	2	0.015	WSL2010R0150FEA	Vishay-Dale	RES, 0.015, 1%, 0.5 W, 2010	2010
48	R105	1	0.1	CRW03010-01X-R10ELF	Bourns	RES, 0.1, 1%, 1 W, 2010	2010
49	R106, R112	2	27.4k	RC0603FR-0727K4L	Yageo	RES, 27.4 k, 1%, 0.1 W, 0603	0603
50	R107, R108, R403, R405	4	0	CRCW120600020E4HP	Vishay-Dale	RES, 0, 0.75 W, AEC-Q200 Grade 0, 1206	1206
51	R109, R113, R117	3	2.87Meg	CRCW12062M87FKEA	Vishay-Dale	RES, 2.87 M, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
52	R110, R115, R118	3	2.74Meg	CRCW12062M74FKEA	Vishay-Dale	RES, 2.74 M, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
53	R111, R116	2	2.74Meg	CRCW06052M74FKEA	Vishay-Dale	RES, 2.74 M, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
54	R114	1		RC0603FR-0769KRL	Yageo	RES, 69.9 k, 1%, 0.1 W, 0603	0603
55	R119	1	100	RC1206FR-07100RL	Yageo America	RES, 100, 1%, 0.25 W, 1206	1206
56	R120	1	71.5k	RC1206FR-0771K5L	Yageo America	RES, 71.5 k, 1%, 0.25 W, 1206	1206
57	R121	1	12.7k	RC0603FR-0712K7L	Yageo	RES, 12.7 k, 1%, 0.1 W, 0603	0603
58	R122	1	3.01Meg	CRCW06053M01FKEA	Vishay-Dale	RES, 3.01 M, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
59	R123	1	187k	CRCW0603187KFKFA	Vishay-Dale	RES, 187 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
60	R124, R130, R131	3	0	RMCF12062T0R00	Stackpole Electronics	00 30 0.25W 1206 Thick Film Chip Resistor AEC-Q200 compliant	1206
61	R126	1	150k	RC0603FR-07150KL	Yageo	RES, 150 k, 1%, 0.1 W, 0603	0603
62	R127, R136	2	12.1k	CRCW060512K1FKEA	Vishay-Dale	RES, 12.1 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
63	R132, R134	2	133k	RC0603FR-07133KL	Yageo	RES, 133 k, 1%, 0.1 W, 0603	0603
64	R133	1	90.9k	RC0603FR-0790K9L	Yageo	RES, 90.9 k, 1%, 0.1 W, 0603	0603
65	R200, R201	2	0	RC0603JR-070RL	Yageo	RES, 0, 0.5%, 0.1 W, 0603	0603
66	R202, R203	2	120k	RC0603FR-07120KL	Yageo	RES, 120 k, 1%, 0.1 W, 0603	0603
67	R300, R402, R406	3	2.00k	RC0603FR-072KL	Yageo	RES, 2.00 k, 1%, 0.1 W, 0603	0603
68	R301	1	0	RC1206JR-070RL	Yageo America	RES, 0, 0.5%, 0.25 W, 1206	1206
69	R400, R401, R404, R407	4	10.0k	M55342K12B10E0T	TT Electronics/IRC	RES, 10.0 k, 1%, 0.1 W, 0603	0603
70	RT100	1	10	B57153S0100M000	TDK	Thermistor NTC, 10 ohm, 20%, 8.5mm Disc	8.5mm Disc
71	RV100	1	275V	S10K275E2	TDK	Varistor 275V RMS 10MM Radial, TH	10mm Radial
72	SWA, SWB, VRECA, VRECB, ZCDA, ZCDA, RTN, ZCDB, ZCDB, RTN	8		0312-0-15-34-27-10-0	Mid-Max	Pin Receptacle, .032-.048" .075" Dia, Gold, TH	Pin Receptacle
73	T100, T101	2		RLT1-1461	Renco Electronics	PFCINDUCTOR PMP23429 683W	PFC_IND_11N25_3IN0
74	T102	1		LPTH1R06-332N-5A	3L Electronic	Transformer	PTH4
75	TC0N, TP100, TP102, TP104	4		5010	Keystone Electronics	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
76	TP101, TP103, TP200	3		5011	Keystone Electronics	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
77	TP105	1		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
78	U100	1		TPS3050DWN2R	Texas Instruments	Isolated Switch Driver With Integrated 10-V Gate Supply SOIC8	SOIC8
79	U101	1		UCC2805	Texas Instruments		DO16A
80	U200, U201	2		LM33612REQR	Texas Instruments	Power Switch/Driver 1.1 A N-Channel 7.7A 38-VQFN (8x5.3)	VQFN8
81	U400	1		VO618A-3	Vishay-Semiconductor	Optocoupler, 5.3 kV, 100-200% CTR, SMT	DIP, 4-Leads, Body 8.86x4.83mm, Pitch 2.54mm
82	C133, C137	0	1200pF	CC1206KRX789BB122	Yageo America	CAP, CERAM, 1200 pF, 50 V, +/- 10%, X7R, 1206	1206
83	C135	0	1200pF	GRM188SC1H122JA01D	MuRata	CAP, CERAM, 1200 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
84	J300, J301, J303, J304, J305, J307, J308, J309, J310, J311, J312, J314, J315, J316	0		575-4	Keystone	Standard Banana Jack, Unsoldered, 5.5mm	Keystone, 575-4
85	Q102, Q103, Q104	0	600V	BSS127S-7	Diodes Inc.	MOSFET, N-CH, 600 V, 0.05 A, SOT-23	SOT-23
86	R125, R128, R129	0	2.00k	RC0603FR-072KL	Yageo	RES, 2.00 k, 1%, 0.1 W, 0603	0603
87	R204, R205	0	0	RQ0402JR-070RL	Yageo America	RES, 0, 0.5%, 0.063 W, 0402	0402
88	R408	0	0	CRCW120600020E4HP	Vishay-Dale	RES, 0, 0.75 W, AEC-Q200 Grade 0, 1206	1206