

Variant: 001
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PMP23338 REV B Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package/Reference
1	PCB100	1		PMP23338	Any	Printed Circuit Board	
2	TP1, TP2V	2		8000	KeyStone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
3	C100, C101, C102, C108, C109, C110	6	3.3uF	8003C104JAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	803
4	C102, C108, C109, C110	4	2200pF	DE5E9K222M43A	MuRata	CAP, CERM, 2200 pF, 300 V, +/-20%, E, TH, 3-Leads, Body 9x7mm, Pin Spacing 7.5mm	TH, 2-Leads, Body 9x7mm, Pin Spacing 7.5mm
5	C104, C107, C121	3	1uF	580010R150M062	TKR	TKR 1uF Multilayer Ceramic Capacitor MLC-A-500V 2c 200% SMD	SMD2
6	C105	1	0.47uF	B3200344740000	TDK	CAP FILM 0.47uF 10% 630VDC RAD	B32002, 16.5mm, 10
7	C108	1	1.5uF	B3200341500000	TDK	CAP FILM 1.5uF 10% 630VDC RADIAL	B32003, 26.5mm
8	C110, C113	2	100pF	8007Y010MATA2	AVX	CAP CERM 100pF 15V +/-20% X8R 0603	805
9	C111, C118, C119, C142, C143, C149	6	1.5uF	800Y150R1010KAA020	MuRata	CAP CERM 1.5uF 10V +/-10% X7R 0602	402
10	C142	1	1uF	GRM188R60J100K6200	MuRata	CAP CERM 1uF 6.3V +/-10% X8R 0603	803
11	C114, C120, C123, C130	4	100pF	400Y010R150M1R050	TDK	100 pF 400 V Aluminum Electrolytic Capacitors Radial, Can 3000 Pcs B	100SHL 100°C
12	C114, C120	2	1uF	C100B0N1E105000008	TDK	CAP CERM 1uF 25V +/-10% X7R 0603	803
13	C117, C118	2	1000pF	060324100KAT2A	AVX	CAP CERM 1000 pF 50 V +/-10% COG/NP0 0603	803
14	C118	1	0.01uF	CM0324100KRACTU	Kemet	CAP CERM 0.01uF 50V +/-10% X8R 0603	803
15	C104, C126, C138	3	1000pF	060317C100KAT2A	AVX	CAP CERM 100 pF 16 V +/-10% X7R 0602	402
16	C138	1	47uF	GRU02R6TC40NKE1SL	MuRata	CAP CERM 47 uF 16 V +/-10% X8R 1210	1210
17	C127	1	1uF	C0603100KRACTU	Kemet	CAP CERM 1 uF 25 V +/-10% X7R 0603	805
18	C129	1	100pF	1312131000Q000000	Samsung Electro-Mechanics	CAP CERM 22 pF 6.3 V +/-10% X7R 0605	805
19	C129, C146	2	0.1uF	SCM188PL020K6200	MuRata	CAP CERM 0.1uF 6.3 V +/-10% X7R AEC-Q200 Grade 1, 0603	803
20	C131, C137	2	1000pF	GRM188R1E100KAT10	MuRata	CAP CERM 1000 pF 25 V +/-10% X7R 0603	803
21	C132	1	1000pF	GRM188R1E100KAT10	MuRata	CAP CERM 1000 pF 25 V +/-10% X7R 0603	803
22	C135	1	0.1uF	800Y1010R150M1R050	AVX	CAP CERM 0.1 uF, 16 V +/-10% X7R 0603	402
23	C136	1	0.01uF	CM0324100KRACTU	MuRata	CAP CERM 0.01 uF 50 V +/-10% X8R 0603	402
24	C146, C139	2	100pF	CM0324100KRACTU	Kemet	CAP CERM 10 pF 10 V +/-2.5% COG/NP0 0402	402
25	C146	1	0.01uF	CM0324100KRACTU	MuRata	CAP CERM 0.01 uF 50 V +/-10% X8R 0603	1210
26	C165	2	0.1uF	CM0324100KRACTU	Kemet	CAP CERM 0.01 uF 16 V +/-10% X7R 0602	402
27	C130, C132	2	1.5uF	GRM155R01E100KAT10	MuRata	CAP CERM 0.1uF 6.3V +/-10% X7R 0402	402
28	C161, C164, C165, C166	4	100pF	04020100KAT2A	AVX	CAP CERM 10 pF 50 V +/-2.5% COG/NP0 AEC-Q200 Grade 1, 0402	402
29	C169	1	1000pF	GRM155R01E100KAT10	MuRata	CAP CERM 4700 pF 50 V +/-10% X8R 0402	402
30	C171, C174, C182, C183	5	470pF	CGA2020R17H4700000A	TDK	CAP CERM 470 pF 50 V +/-10% X7R AEC-Q200 Grade 1, 0402	402
31	C189	1	1uF	C100B0N1E105000008	TDK	CAP CERM 1 uF 25 V +/-10% X7R 0603	803
32	C118	1	100pF	CM0324100KRACTU	MuRata	CAP CERM 0.01uF 50 V +/-10% X7R 0603	402
33	C100, C101, C102, C108, C109, C110	6	3.3uF	8003C104JAT2A	AVX	CAP CERM 0.1 uF 16 V +/-10% X7R 0603	402
34	C101, D105	2	40V	MBR1405R P10	ON Semiconductor	Diode Schottky, 40 V, 1 A, DO-213PL	SCS-123PL
35	D103, D107	2		1312131000Q000000	TDK	Diode GEN PURPOSE 60V 100mA	
36	D106	1		PF400UA000N	ON Semiconductor	Diode Array 1 Pair Common Cathode Standard 600V 30A Through Hole	SC-65
37	D108	1	500V	PKF1800-7	Avicore Inc.	Module, Standard Rectifier Rectifier, 600 V, 1 A, PowerPak123	PowerPak123
38	D103, D106, D107, HS_FLT, HS_NMP, S_NMP	6		5003	KeyStone Electronics, KeyStone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
39	F100	1		9520025 MOEP_vn	ChiaHua	ISA AC-450V DC Fuse Cartridge, Ceramic Through Hole 30A, 3AG, 1H x 1-1/4" (Acq)	30A, 1H
40	HEFET_J01, HEFET_LB1	2		8004	KeyStone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
41	I100, I101	1		4-1.5E-06-DV-BE-A	Samtec	10 Position Microstrip, Right-Entry Connector, Surface Mount	10P
42	I102	1		100V-0054	Quark Electronics Corporation	AC, Rectifier, 10A 100VAC	200VAC, 7mm
43	J201	1		HEC-10B-01-LV-A-BL	Samtec	C2000 pin connector-125MBSE connector, SMT	C2000 pin numbering
44	J202	1		PROCOBAN	Infiniti Connector Solutions	Module, 2-Edm, 2x4, 0.04, TH	Module, 2-Edm, 2x4, 0.04, TH
45	J203	1		PROCOBAN	Infiniti Connector Solutions	Module, 100ml, 3x2, 0.04, TH	Module, 100ml, 3x2, 0.04, TH
46	L100	1	22uH	PALE58.223L	Pulse Electronics	Inductor Buck/Boost, Toroid, TH, 22uH 10% 8A	PTH_20MM, 11MM
47	L101	1		PAZ059AL	Pulse Electronics	IND, CUR-SENSE, 4MH, 25A, TOR, TH	PTH_TRANSFORMER, 30MM, 10MM
48	L103	1	200uH	PALE58.254L	Pulse Electronics	Inductor Power 200uH 12V TH	PTH_20MM, 23MM
49	L150	1	0.3mH	PAZ057AL	Pulse Electronics	INDUCTOR CUR-SENSE 0.3mH TOR TH	PTH_25MM, 12MM
50	Line_VoId	2	50u	5000	KeyStone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
51	Naught_P0ND	2	Black	5001	KeyStone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
52	P0ND	5		5001	KeyStone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
53	P0ND_VoId	2		171521	Phoenix Contact	Terminal Block, 5.08 mm, 2x1, TH	2POS Terminal Block
54	Q100, Q101, Q102, Q103	4		PT80R022B73MA1	Infineon	N-Channel 600V 23A (Tg 380W (Tc) Surface Mount PQ-HSOF-8-2	HSOF-8
55	Q104	1		PP10R030P77K61A1	Infineon Technologies	MOSEFT N-CH 80V 48A TO220-3	TO_220AB
56	R100, R111, R112, R124, R125	5	10.0k	CR040201000P0K0A	Vishay Dale	RES, 10.0 k, 1%, 0.1 W, 0402	803
57	R101, R102, R106, R107, R130, R301, R360, R364, R365, R367	12	100k	RC1206FR-07340RL	Yageo Electronics	RES, 144 k, 1%, 0.25 W, 1206	1206
58	R104	1	0.11	CR040206811P0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.1 W, 0402	803
59	R108, R116	2	10	CR040206810P0K0K0A	Vishay Dale	RES, 10.0 k, 1%, 0.1 W, 0402	803
60	R109	1	0.05	CR040206805P0K0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.25 W, 1206	1206
61	R110	1	0.11	CR040206811P0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.25 W, 1206	1206
62	R114, R119	2	0.05	CR040206805P0K0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.25 W, 1206	1206
63	R115	1	0.05	CR040206805P0K0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.25 W, 1206	1206
64	R117, R118	2	0.05	CR040206805P0K0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.25 W, 1206	1206
65	R119	1	0.05	CR040206805P0K0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.25 W, 1206	1206
66	R121	1	0.05	CR040206805P0K0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.25 W, 1206	1206
67	R122	1	0.05	CR040206805P0K0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.25 W, 1206	1206
68	R123, R126	2	0.05	CR040206805P0K0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.25 W, 1206	1206
69	R128	1	0.05	CR040206805P0K0K0A	Vishay Dale	RES, 5.11 k, 1%, 0.25 W, 1206	1206
70	R134, R136	2	1.0k	CR04020681000P0K0A	Vishay Dale	RES, 1.0 k, 1%, 0.25 W, 1206	1206
71	R137, R138, R144	3	0	CR04020680000P0K0A	Vishay Dale	RES, 0, 1%, 0.25 W, 1206	1206
72	R143, R147	2	0	CR04020680000P0K0A	Vishay Dale	RES, 0, 1%, 0.25 W, 1206	1206
73	R149	1	0	CR04020680000P0K0A	Vishay Dale	RES, 0, 1%, 0.25 W, 1206	1206
74	R160, R161, R162, R163, R164, R165, R166, R167, R168	9	10k	RC0120630R-10K0A	Vishay Dale	RES, 10.0 k, 1%, 0.25 W, 1206	1206
75	R300, R301	2	10k	CR04020681000P0K0A	Vishay Dale	RES, 10.0 k, 1%, 0.25 W, 1206	1206
76	R302, R304	2	10.0k	CR04020681000P0K0A	Vishay Dale	RES, 10.0 k, 1%, 0.25 W, 1206	1206
77	R303, R305, R340, R353	4	10.0k	CR04020681000P0K0A	Vishay Dale	RES, 10.0 k, 1%, 0.25 W, 1206	1206
78	R306, R307	2	10.0k	CR04020681000P0K0A	Vishay Dale	RES, 10.0 k, 1%, 0.25 W, 1206	1206
79	R308, R310	2	10.0k	CR04020681000P0K0A	Vishay Dale	RES, 10.0 k, 1%, 0.25 W, 1206	1206
80	R312, R360	2	10.0k	CR04020681000P0K0A	Vishay Dale	RES, 10.0 k, 1%, 0.25 W, 1206	1206
81	R313	1	10.0k	CR04020681000P0K0A	Vishay Dale	RES, 10.0 k, 1%, 0.25 W, 1206	1206
82	R314, R315, R316, R317, R318, R319, R320, R321, R322, R323, R324, R325, R326, R327, R328, R329, R330, R331, R332, R333, R334, R335, R336, R337, R338, R339, R340, R341, R342, R343, R344, R345, R346, R347, R348, R349, R350, R351, R352, R353, R354, R355, R356, R357, R358, R359, R360, R361, R362, R363, R364, R365, R366, R367, R368, R369, R370, R371, R372, R373, R374, R375, R376, R377, R378, R379, R380, R381, R382, R383, R384, R385, R386, R387, R388, R389, R390, R391, R392, R393, R394, R395, R396, R397, R398, R399, R400, R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R420, R421, R422, R423, R424, R425, R426, R427, R428, R429, R430, R431, R432, R433, R434, R435, R436, R437, R438, R439, R440, R441, R442, R443, R444, R445, R446, R447, R448, R449, R450, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R465, R466, R467, R468, R469, R470, R471, R472, R473, R474, R475, R476, R477, R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490, R491, R492, R493, R494, R495, R496, R497, R498, R499, R500, R501, R502, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R527, R528, R529, R530, R531, R532, R533, R534, R535, R536, R537, R538, R539, R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600, R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692, R693, R694, R695, R696, R697, R698, R699, R700, R701, R702, R703, R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R715, R716, R717, R718, R719, R720, R721, R722, R723, R724, R725, R726, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R739, R740, R741, R742, R743, R744, R745, R746, R747, R748, R749, R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, R760, R761, R762, R763, R764, R765, R766, R767, R768, R769, R770, R771, R772, R773, R774, R775, R776, R777, R778, R779, R780, R781, R782, R783, R784, R785, R786, R787, R788, R789, R790, R791, R792, R793, R794, R795, R796, R797, R798, R799, R800, R801, R802, R803, R804, R805, R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817, R818, R819, R820, R821, R822, R823, R824, R825, R826, R827, R828, R829, R830, R831, R832, R833, R834, R835, R836, R837, R838, R839, R840, R841, R842, R843, R844, R845, R846, R847, R848, R849, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R864, R865, R866, R867, R868, R869, R870, R871, R872, R873, R874, R875, R876, R877, R878, R879, R880, R881, R882, R883, R884, R885, R886, R887, R888, R889, R890, R891, R892, R893, R894, R895, R896, R897, R898, R899, R900, R901, R902, R903, R904, R905, R906, R907, R908, R909, R910, R911, R912, R913, R914, R915, R916, R917, R918, R919, R920, R921, R922, R923, R924, R925, R926, R927, R928, R929, R930, R931, R932, R933, R934, R935, R936, R937, R938, R939, R940, R941, R942, R943, R944, R945, R946, R947, R948, R949, R950, R951, R952, R953, R954, R955, R956, R957, R958, R959, R960, R961, R962, R963, R964, R965, R966, R967, R968, R969, R970, R971, R972, R973, R974, R975, R976, R977, R978, R979, R980, R981, R982, R983, R984, R985, R986, R987, R988, R989, R990, R991, R992, R993, R994, R995, R996, R997, R998, R999, R1000, R1001, R1002, R1003, R1004, R1005, R1006, R1007, R1008, R1009, R1010, R1011, R1012, R1013, R1014, R1015, R1016, R1017, R1018, R1019, R1020, R1021, R1022, R1023, R1024, R1025, R1026, R1027, R1028, R1029, R1030, R1031, R1032, R1033, R1034, R1035, R1036, R1037, R1038, R1039, R1040, R1041, R1042, R1043, R1044, R1045, R1046, R1047, R1048, R1049, R1050, R1051, R1052, R1053, R1054, R1055, R1056, R1057, R1058, R1059, R1060, R1061, R1062, R1063, R1064, R1065, R1066, R1067, R1068, R1069, R1070, R1071, R1072, R1073,						