

Variant: 001
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PMP23377 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB100	1		PMP23377	Any	Printed Circuit Board	
2	C51, C52	2	1800pF	GRM188R72A182KA01D	MuRata	CAP, CERM, 1800 pF, 100 V, +/- 10%, X7R, 0603	603
3	CC1, CC2, CC3, CC4, CC5, CC6, CC8, CC9, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC21, CC25, CC34, CC35, CC36, CC37	22	4.7uF	GRJ31CC72A475KE01L		CAP CER 4.7UF 100V X7S 1206	1206
4	CC7, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC59, CC62	16	0.022uF	CGA3E2X7R2A223K080AA	TDK	CAP, CERM, 0.022 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
5	CC18	1	47uF	GRM21BR61A476ME15L	MuRata	CAP, CERM, 47 uF, 10 V, +/- 20%, X5R, 0805	805
6	CC19	1	2.2uF	GRM219R61E225KA12D	MuRata	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X5R, 0805	805
7	CC20	1	68pF	06035A680JAT2A	AVX	CAP, CERM, 68 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
8	CC22	1	1000pF	GRM1885C1H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
9	CC23, CC26	2	100nF	0603YC104JAT2A	KYOCERA AVX	0.1 uF ±5% 16V Ceramic Capacitor X7R 0603 (1608 Metric)	603
10	CC24	1	2200pF	GRM188R61H222KA01D	MuRata	CAP, CERM, 2200 pF, 50 V, +/- 10%, X5R, 0603	603
11	CC28	1	0.22uF	08053C224MAT2A	AVX	CAP, CERM, 0.22 uF, 25 V, +/- 20%, X7R, 0805	805
12	CC29	1	820pF	GRM1885C1E821JA01D	MuRata	CAP, CERM, 820 pF, 25 V, +/- 5%, C0G/NP0, 0603	603
13	CC30	1	22nF	CL10B223KB8NUNC	Samsung	Cap Ceramic 22nF 50V X7R ±10% Pad SMD 0603 +125°C T/R	603
14	CC31	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	603
15	CC32, CC33	2	22uF	63PFV22M6.3X8	Rubycon	CAP ALUM POLY HYB 22UF 63V SMD	SMT Radial D
16	CC52, CC54, CC56, CC57	4	0.1uF	C0402C104K4RACAUTO	Kemet	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
17	CC60	1	47uF	GRM32ER61C476KE15L	MuRata	CAP, CERM, 47 uF, 16 V, +/- 10%, X5R, 1210	1210
18	CC61	1	1uF	C0805C105K3RACTU	Kemet	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0805	805
19	CC63	1	0.01uF	C0402C103K4RACTU	Kemet	CAP, CERM, 0.01 uF, 16 V, +/- 10%, X7R, 0402	402
20	CC64	1	22uF	CL21A226KQQNNNE	Samsung Electro-Mechanics	CAP, CERM, 22 uF, 6.3 V, +/- 10%, X5R, 0805	805
21	CC65	1	0.1uF	GRM155R70J104KA01D	MuRata	CAP, CERM, 0.1uF, 6.3V, +/-10%, X7R, 0402	402
22	CC66, CC67	2	47pF	GRM1555C1H470FA01D	MuRata	CAP, CERM, 47 pF, 50 V, +/- 1%, C0G/NP0, 0402	402
23	DC1, DC3, DC4	3		STPS30M100DJF-TR	STMicroelectronics	Diode 100 V 30A Surface Mount PowerFlat™ (5x6)	PowerFlat6
24	DC10, DC11	2	5.6V	MMSZ4690-E3-08	Vishay-Semiconductor	Diode, Zener, 5.6 V, 500 mW, SOD-123	SOD-123
25	DC11B	1		NRV0540T1G	On Semiconductor	Diode Schottky 40V 500mA Surface Mount SOD-123	SOD-123
26	LC1	1		TBD	TBD	TBD	18.3x8.9x18.2mm
27	QC1, QC2, QC3, QC4	4		LMG3100R017	Texas Instruments	100-V, 64-A GaN with Integrated Driver	VQFN-FCRLF15
28	R1, R2	2				RES Thick Film, 3.01Ω, 1%, 0.063W, 200ppm/°C, 0402	
29	R51, R52	2	2.55	CRCW12062R55FKEA	Vishay-Dale	RES, 2.55, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
30	R151, RC31, RC131, RC141	4	100k	RC0402FR-07100KL	Yageo America	RES, 100 k, 1%, 0.0625 W, 0402	402
31	RC1A, RC1B	2	0.002	KRL2012E-M-R002-G-T5	Susumu Co Ltd	RES, 0.002, 2%, 1 W, 0508	508
32	RC2, RC16	2	100	RC0603FR-07100RL	Yageo America	RES, 100, 1%, 0.1 W, 0603	603
33	RC3, RC13, RC14, RC15	4	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
34	RC4	1	270k	CRCW0603270KJNEA	Vishay-Dale	RES, 270 k, 5%, 0.1 W, 0603	603
35	RC6	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	603
36	RC7	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	603
37	RC8	1	10.7k	CRCW060310K7FKEA	Vishay-Dale	RES, 10.7 k, 1%, 0.1 W, 0603	603
38	RC9	1	2.87k	RK73H1ETTP2871F	KOA Speer	2.87 kOhms ±1% 0.1W, 1/10W Chip Resistor 0402 (1005 Metric) Automotive AEC-Q200, Moisture Resistant Thick Film	402
39	RC10	1	8.25k	CRCW06038K25FKEA	Vishay-Dale	RES, 8.25 k, 1%, 0.1 W, 0603	603
40	RC11, RC12	2	100k	CRCW0603100KFKFA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	603
41	RC11A, RC11B	2	3.3	RC1206FR-073R3L	Yageo America	RES, 3.30, 1%, 0.25 W, 1206	1206
42	RC27, RC64	2	0	JR0805X35E	Ohmite	0 Ohms Jumper 0.245W Chip Resistor 0805 (2012 Metric) - Metal Element	805
43	RC60	1	49.9k	CRCW040249K9FKED	Vishay-Dale	RES, 49.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
44	RC61, RC63	2	30.0k	CRCW040230K0FKED	Vishay-Dale	RES, 30.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
45	RC62	1	220k	RC0402FR-07220KL	Yageo America	RES, 220 k, 1%, 0.0625 W, 0402	402
46	UC1	1		LM5177DCPR	Texas Instruments	Wide VIN Bidirectional 4 Switch Buck-Boost Controller	HTSSOP38
47	UC2	1		TPSM863252RDX	Texas Instruments	3V to 16 V Input, 3-A Synchronous Step-Down Voltage Regulator Module, QFN-FCMOD7	QFN-FCMOD7

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