

Variant: 001
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PMP23342 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB1	1		PMP23342	Any	Printed Circuit Board	
2	AGND, PGND	4		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
3	C1	1	330uF	EEE-FC1E331P	Panasonic	CAP, AL, 330 uF, 25 V, +/- 20%, 0.15 ohm, SMD	SMT Radial G
4	C2, C3, C4, C5	4	47uF	C3216X6R1E476M160AC	TDK	CAP, CERM, 47 uF, 25 V, +/- 20%, X5R, 1206_190	1206_190
5	C6, C7	2	4.7uF	GRM188R6YA475KE15D	MuRata	CAP, CERM, 4.7 uF, 35 V, +/- 10%, X5R, 0603	603
6	C8, C19	2	330uF	T520Y337M010ATE035	Kemet	CAP, Tantalum Polymer, 330 uF, 10 V, +/- 20%, 0.035 ohm, 7343-40 SMD	7343-40
7	C9, C10, C11, C12, C13, C14, C15, C16, C20, C21, C22, C23, C24, C25, C26, C27	16	100uF	GRM31CR60J107ME39L	MuRata	CAP, CERM, 100 uF, 6.3 V, +/- 20%, X5R, 1206	1206
8	C17, C28	2	10uF	GCM21BR71A106KE22L	MuRata	CAP, CERM, 10 uF, 10 V, +/- 10%, X7R, 0805	805
9	C18, C29	2	1uF	GRM185R60J105KE26D	MuRata	CAP, CERM, 1 uF, 6.3 V, +/- 10%, X5R, 0603	603
10	C30	1	2.2uF	C1608X6S1C225K080AC	TDK	CAP, CERM, 2.2 uF, 16 V, +/- 10%, X6S, 0603	603
11	INJ1-, INJ2-, PGOOD1, PGOOD2	4		5012	Keystone Electronics, Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
12	INJ1+, INJ2+, PVIN	3		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
13	J1, J9	2		6.03121E+13	Würth Electronics	SMA Connector Jack, Female Socket 50Ohm Surface Mount Solder	CONN_SMA
14	J2, J3, J4, J8	4		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
15	J5, J7	2		PEC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Tin, TH	Header, 3 PIN, 100mil, Tin
16	J6	1		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
17	L1, L2	2	50 ohm	BLM31SN500SN1L	MuRata	Ferrite Bead, 50 ohm @ 100 MHz, 12 A, 1206	1206
18	R1, R6, R8, R14, R15	5	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
19	R2, R9	2	10	CRCW040210R0FKED	Vishay-Dale	RES, 10.0, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
20	R4, R10	2	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
21	R5	1	26.1k	CRCW040226K1FKED	Vishay-Dale	RES, 26.1 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
22	R7, R12	2	34.8k	CRCW040234K8FKED	Vishay-Dale	RES, 34.8 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
23	R13	1	14.0k	CRCW040214K0FKED	Vishay-Dale	RES, 14.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
24	R16	1	15.4k	CRCW040215K4FKED	Vishay-Dale	RES, 15.4 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
25	R17	1	17.4k	CRCW040217K4FKED	Vishay-Dale	RES, 17.4 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
26	U1, U2	2	27 uF	NFM31PC276B0J3L	MuRata	FILTER LC HIGH FREQ 27uF 1206	3.2x1.6mm
27	U3	1		TPSM5D1806RDB	Texas Instruments	4.5-V to 18-V Input, Dual 6-A Output Power Module with Current Sharing	QFN-FCMOD51
28	H1, H2, H3, H4	0		4824	Keystone	HEX STANDOFF 6-32 NYLON 1-1/2"	HEX STANDOFF 6-32 NYLON 1-1/2 inch
29	R3, R11	0	0	5108	Keystone	RES, 0, 1%, 0.5 W, 1206	1206

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