

Variant: 001
Generated: 12/13/2024 6:09 PM
TID #: N/A



PMP41117 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C35	2	150uF	NPXH0701E151MJTM	Yongming	CAP 25V 150uF D 5.5X7mm	5.5X7mm
2	C2, C23	2	150pF	CGA2B2C0G1H151J050BA	TDK	CAP, CERM, 150 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402	0402
3	C3, C5	2	0.1uF	0402BB104KW500	Passive Plus	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	0402
4	C4, C6	2	0.047uF	C1005X5R1H473K050BB	TDK	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X5R, 0402	0402
5	C27, C28, C33, C36, C42, C59	6	10uF	GMK212BBJ106KG-T	Taiyo Yuden	CAP, CERM, 10 uF, 35 V, +/- 10%, X5R, 0805	0805
6	C29, C38, C39, C40	4	0.1uF	GMK105BJ104KV-F	Taiyo Yuden	CAP, CERM, 0.1 uF, 35 V, +/- 10%, X5R, 0402	0402
7	C34, C53	2	2.2uF	GRM155R61E225KE11D	MuRata	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X5R, 0402	0402
8	C44, C46	2	1uF	GRM155R61E105KA12D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X5R, 0402	0402
9	C47, C55, C60, C62	4	220pF	GRM155R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0402	0402
10	C57, C58	2	3300pF	CGA2B2X7R1H332K050BA	TDK	CAP, CERM, 3300 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
11	D6, D11	2	40V	RB521SM-40T2R	Rohm	Diode, Schottky, 40 V, 0.2 A, SOD-523	SOD-523
12	D8, D9, D10, D12	4		STS321050B331	Eaton	18V Clamp 22A (8/20uS) Ipp Tvs Diode Surface Mount SOD-323	SOD-323
13	J3, J5	2		USB4145-03-0230-C	GCT	USB Connectors USB-C Rec 3u Vert 16P SMT 2.3mm TH stakes H7.46mm T+R+Cap	CONN_USB
14	L2, L3	2	4.7uH	XGL6060-472MEC	Coilcraft	Inductor, Shielded, 4.7 uH, 0.01 ohm, SMD XGL6060-472MEC	6.5x6.5x5.1mm
15	Q2, Q4	2	60V	2N7002KW	Fairchild Semiconductor	MOSFET, N-CH, 60 V, 0.31 A, SOT-323	SOT-323
16	Q3, Q5	2	30V	CSD17575Q3	Texas Instruments	MOSFET, N-CH, 30 V, 60 A, DQG0008A (VSON-CLIP-8)	DQG0008A
17	R1, R3, R18, R20, R40, R44, R51, R55	8	1	CRCW04021R00JNED	Vishay-Dale	RES, 1.0, 5%, 0.063 W, 0402	0402
18	R2, R4	2	30.1k	CRCW040230K1FKED	Vishay-Dale	RES, 30.1 k, 1%, 0.063 W, 0402	0402
19	R23, R24	2	0.005	WSL08055L000FEA	Vishay-Dale	RES, 0.005, 1%, 0.25 W, 0805	0805
20	R26, R27	2	100k	CRCW0402100KDHP	Vishay-Dale	RES, 100 k, 0.5%, 0.063 W, 0402	0402
21	R28, R29	2	5.62k	CRCW04025K62FKED	Vishay-Dale	RES, 5.62 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
22	R30, R33	2	14.3k	CRCW040214K3FKED	Vishay-Dale	RES, 14.3 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
23	R45, R52, R56, R57, R59, R62	6	1.00k	MCR01MZPF1001	Rohm	RES, 1.00 k, 1%, 0.063 W, 0402	0402
24	R46, R63	2	1.0Meg	RMCF0402FT1M00	Stackpole Electronics Inc	RES, 1.00 M, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
25	R47, R48, R64, R66	4	47	CRCW040247R0JNED	Vishay-Dale	RES, 47, 5%, 0.063 W, 0402	0402
26	R49	1	10k	NTCG043JF103FTB	TDK	Chip NTC Thermistors (Sensor), Resistance (at 25°C)=10kΩ, Resistance Tolerance (at 25°C)=±1%	SMD2
27	R54, R58	2	200k	CRCW0402200KFED	Vishay-Dale	RES, 200 k, 1%, 0.063 W, 0402	0402
28	U1, U2	2		TPS56837HRPAR	Texas Instruments	4.5-V to 28-V Input, 8-A Synchronous Buck Converter	VQFN-HR10
29	U6	1		TLV709A33DBVR	Texas Instruments	150-mA 30-V low-dropout (LDO) linear regulator with 3.2-μA supply current 5-SOT-23 -40 to 125	SOT23-5
30	U7	1		IP2738	Injonics	IP2738 dual port USB PD controller	QFN

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