

## PMP23262 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	270µF	EEH-ZC1V271V	Panasonic	270 µF 35 V Aluminum - Polymer Capacitors Radial, Can - SMD 20mOhm 4000 Hrs @ 125°C	SMT_ECAP_8MM3_8 MM3
C2, C3	2	0.1uF	C0805C104K1RACTU	Kemet	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, 0805	0805
C4, C5, C6, C7, C8, C14, C15, C16, C23, C24, C25	11	10uF	UMJ325KB7106KMHT	Taiyo Yuden	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
C9	1	0.47uF	GRM21BR72A474KA73L	MuRata	CAP, CERM, 0.47 uF, 100 V, +/- 10%, X7R, 0805	0805
C10	1	0.47uF	GCM188R71C474KA55D	MuRata	CAP, CERM, 0.47 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C11, C12, C13	3	2.2uF	GRM188R71A225KE15D	MuRata	CAP, CERM, 2.2 uF, 10 V, +/- 10%, X7R, 0603	0603
C17, C18, C19, C20, C21, C22	6	0.01uF	CGA2B3X7S2A103K050BB	TDK	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7S, AEC-Q200 Grade 1, 0402	0402
C26, C27, C33, C39	4	0.1uF	CGA3E2X7R1E104K080AA	TDK	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C28, C34	2	0.068uF	CGA3E2X7R1H683K080AA	TDK	CAP, CERM, 0.068 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C29, C30, C31, C32, C35, C36, C37, C38, C38B, C38C	10	47uF	CGA6P1X7S0J476M250AC	TDK	CAP, CERM, 47 uF, 6.3 V, +/- 20%, X7S, AEC-Q200 Grade 1, 1210	1210
C40, C41	2	33pF	06031A330JAT2A	AVX	CAP, CERM, 33 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
C42, C42A, C42B, C42C, C42D, C42E, C42F, C42G, C42H, C42J	10	330uF	T598D337M006ATE025	Kemet	CAP, Tantalum Polymer, 330 uF, 6.3 V, +/- 20%, 0.025 ohm, AEC-Q200 Grade 1, 7343-31 SMD	7343-31
C44, C45	2	0.22uF	CL10B224K08VPNC	Samsung	CAP, CERM, 0.22 µF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C46, R16	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603L
C47	1	3300pF	06031C332JAT2A	AVX	CAP, CERM, 3300 pF, 100 V, +/- 5%, X7R, 0603	0603
C48, C49	2	220pF	06031C221KAT2A	AVX	CAP, CERM, 220 pF, 100 V, +/- 10%, X7R, 0603	0603
D1, D2	2	60V	PMEG6010CEJ,115	Nexperia	Diode, Schottky, 60 V, 1 A, SOD-323F	SOD-323F
H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
J1	1		1040	Keystone	TEST POINT SLOTTED .118", TH	Test point, TH Slot Test point
J2	1		1714971	Phoenix Contact	Receptacle, 9.52mm, 2x1, TH	Receptacle, 9.52mm, 2x1, TH
J3	1		EM292902-UL	Eaton	Terminal Block, 10.16mm, 2x1, Tin, R/A, TH	Terminal Block, 10.16mm, 2x1, TH
J4	1		TSW-112-07-G-S	Samtec	Header, 100mil, 12x1, Gold, TH	12x1 Header
L1	1	1.2uH	XAL1060-122MEB	Coilcraft	Inductor, Shielded, Composite, 1.2 uH, 26.3 A, 0.0025 ohm, AEC-Q200 Grade 1, SMD	Inductor, 10x6x11.3mm
L2, L3	2	0.68uH	VCHA105D-R68MS6	Cyntec	Inductor, 0.68 µH, 32 A, 0.00222 ohm, AEC-Q200 Grade 0, SMD	10.85x10mm
Q1, Q2	2		IAUC60N04S6L039ATMA1	Infineon	OptiMOS 6 Power-Transistor	PG-TDSON-8
Q3, Q4	2		IAUC100N04S6L020ATMA1	Infineon	OptiMOS 6 Power-Transistor	PG-TDSON-8
R1	1	1	RC0603FR-071RL	Yageo	RES, 1.00, 1%, 0.1 W, 0603	0603
R2	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R3, R4, R9, R10, R15, R17, R18, R19, R20	9	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5, R6	2	6.49k	CRCW06036K49FKEA	Vishay-Dale	RES, 6.49 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7, R8	2	7.68k	CRCW06037K68FKEA	Vishay-Dale	RES, 7.68 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R11, R14	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R12, R13	2	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R21	1	23.2k	CRCW060323K2FKEA	Vishay-Dale	RES, 23.2 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R22	1	22.1k	CRCW060322K1FKEA	Vishay-Dale	RES, 22.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R23	1	54.9k	CRCW060354K9FKEA	Vishay-Dale	RES, 54.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R24, R25, R26, R27	4	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
R28, R29	2	2.2	ERJ-6GEYJ2R2V	Panasonic	RES, 2.2, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
SH-J1	1		M7582-05	Harwin	Single Operation 2.54mm Pitch Open Top Jumper Socket	Single Operation 2.54mm Pitch Open Top Jumper Socket
TP1, TP2, TP3, TP4	4		5015	Keystone	Test Point, Miniature, SMT	Testpoint_Keystone_ Miniature
U1	1		LM25143QRHARQ1	Texas Instruments	Automotive 3.5-V to 42-V Dual Synchronous Buck Controller With Low IQ	VQFN40

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