

## PMP10962 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB100	1		Use PMP10962 REVA	Any	Printed Circuit Board	
C1, C3	2	2.2uF	GRM188R61C225KAAD	MuRata	CAP, CERM, 2.2 $\mu$ F, 16 V, +/- 10%, X5R, 0603	0603
C2, C4	2	1uF	C1005X5R1C105K050BC	TDK	CAP, CERM, 1 $\mu$ F, 16 V, +/- 10%, X5R, 0402	0402
C5, C6, C8, C9	4	22pF	C1005C0G1H220J050BA	TDK	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C7, C11, C22, C30, C41, C49, C60, C68	8	1000pF	GRM155R71H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0402	0402
C10	1	2200pF	C1005X7R1H222K	TDK	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0402	0402
C12, C13, C14, C15, C16, C17, C31, C32, C33, C34, C35, C36, C50, C51, C52, C53, C54, C55	18	47uF	GRM32ER61C476KE15L	MuRata	CAP, CERM, 47 $\mu$ F, 16 V, +/- 10%, X5R, 1210	1210
C18, C37, C56	3	22uF	GRM31CR61C226KE15L	MuRata	CAP, CERM, 22 $\mu$ F, 16 V, +/- 10%, X5R, 1206	1206
C19, C38, C57	3	1uF	C0603C105K3RACTU	Kemet	CAP, CERM, 1 $\mu$ F, 25 V, +/- 10%, X7R, 0603_095	0603_095
C20, C39, C58	3	3300pF	06031C332JAT2A	AVX	CAP, CERM, 3300 pF, 100 V, +/- 5%, X7R, 0603	0603
C21, C40, C59	3	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 $\mu$ F, 25 V, +/- 5%, X7R, 0603	0603
C23, C24, C25, C42, C43, C44, C61, C62, C63	9	470uF	EEF-GX0E471R	Panasonic	CAP, Aluminum Polymer, 470 $\mu$ F, 2.5 V, +/- 20%, 0.003 ohm, SMD_7.3x1.9x4.3mm SMD	SMD_7.3x1.9x4.3mm
C26, C27, C45, C46, C64, C65	6	100uF	C3225X5R0J107M	TDK	CAP, CERM, 100 $\mu$ F, 6.3 V, +/- 20%, X5R, 1210	1210
C28, C47, C66, C100, C101	5	0.1uF	C1005X7R1H104K	TDK	CAP, CERM, 0.1 $\mu$ F, 50 V, +/- 10%, X7R, 0402	0402
C29, C48, C67	3	4.7uF	C0603C475K8PACTU	Kemet	CAP, CERM, 4.7 $\mu$ F, 10 V, +/- 10%, X5R, 0603	0603
FID100, FID101, FID102	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
J100, J101, J102	3		1715747	Phoenix Contact	Terminal Block, 5.08mm, 4x1, TH	Terminal Block, 5.08mm, 4x1, TH
J103, J104, J107	3		800-10-002-10-001000	Mill-Max	Header, 100mil, 2x1, TH	Header, 2x1, 100mil, TH
J105, J108	2		U.FL-R-SMT-1	Hirose Electric Co. Ltd.	Connector, Ultra-Mini Coaxial, SMD	Ultra small CO-AX SMD
J106	1		N2510-6002-RB	3M	Header (shrouded), 100mil, 5x2, High-Temperature, Gold, TH	5x2 Shrouded header
L1, L2, L3	3	210nH	PA2607.211NLT	Pulse Engineering	Inductor, Ferrite, 210 nH, 41 A, 0.00029 ohm, SMD	10.31x7.65mm
Q100	1	30V	FDMC7660	Fairchild Semiconductor	MOSFET, N-CH, 30 V, 40 A, QFN-8	QFN-8
R1, R11	2	100	ERJ-2RKF1000X	Panasonic	RES, 100, 1%, 0.1 W, 0402	0402
R2, R4, R26, R30, R34	5	2.2	CRCW04022R20JNED	Vishay-Dale	RES, 2.2, 5%, 0.063 W, 0402	0402
R3, R6, R8	3	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.063 W, 0402	0402
R5	1	2.43k	CRCW04022K43FKED	Vishay-Dale	RES, 2.43 k, 1%, 0.063 W, 0402	0402
R7, R9, R102	3	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R10	1	4.64k	CRCW04024K64FKED	Vishay-Dale	RES, 4.64 k, 1%, 0.063 W, 0402	0402
R12	1	75.0k	CRCW040275K0FKED	Vishay-Dale	RES, 75.0 k, 1%, 0.063 W, 0402	0402
R13	1	127k	CRCW0402127KFKED	Vishay-Dale	RES, 127 k, 1%, 0.063 W, 0402	0402

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R14	1	43.2k	CRCW040243K2FKED	Vishay-Dale	RES, 43.2 k, 1%, 0.063 W, 0402	0402
R15	1	26.7k	CRCW040226K7FKED	Vishay-Dale	RES, 26.7 k, 1%, 0.063 W, 0402	0402
R16	1	9.31k	CRCW04029K31FKED	Vishay-Dale	RES, 9.31 k, 1%, 0.063 W, 0402	0402
R17	1	16.5k	CRCW040216K5FKED	Vishay-Dale	RES, 16.5 k, 1%, 0.063 W, 0402	0402
R18	1	51.1k	CRCW040251K1FKED	Vishay-Dale	RES, 51.1 k, 1%, 0.063 W, 0402	0402
R19	1	121k	CRCW0402121KFKED	Vishay-Dale	RES, 121 k, 1%, 0.063 W, 0402	0402
R20, R22	2	39k	CRCW040239K0JNED	Vishay-Dale	RES, 39 k, 5%, 0.063 W, 0402	0402
R21, R25, R38	3	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R23	1	150k	CRCW0402150KFKED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, 0402	0402
R24	1	24.3k	CRCW040224K3FKED	Vishay-Dale	RES, 24.3 k, 1%, 0.063 W, 0402	0402
R27, R31, R35	3	1.00	CRCW04021R00FKED	Vishay-Dale	RES, 1.00, 1%, 0.063 W, 0402	0402
R28, R29, R32, R33, R36, R37	6	1.00	CRCW06031R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.1 W, 0603	0603
R100, R101	2	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.063 W, 0402	0402
R103	1	0.01	ERJ-M1WSF10MU	Panasonic	RES, 0.01, 1%, 1 W, 2512	2512
U1	1	TPS53647R TAR	TPS53647RTAR	Texas Instruments	4-Phase, D-CAP+™ Step-Down Buck Controller with NVM and PMBus Interface, RTA0040B	RTA0040B
U2, U3, U4	3	CSD95372B	CSD95372BQ5M	Texas Instruments	Synchronous Buck NexFET Power Stage, DQP0012A	DQP0012A

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