

PMP40680 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C6, C21, C22, C23, C24	6	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C2, C3, C4, C5, C8, C25, C36	7	22uF	GRM31CR71A226ME15L	MuRata	CAP, CERM, 22 uF, 10 V, +/- 20%, X7R, 1206	1206
C7	1	10uF	CGA5L1X7R1H106K160AC	TDK	CAP, CERM, 10 μ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C9, C11, C30, C35	4	10uF	GRT31CR61H106KE01L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X5R, AEC-Q200 Grade 1, 1206	1206
C12, C14	2	2.2uF	885012106018	Würth Elektronik	CAP, CERM, 2.2 uF, 16 V, +/- 20%, X5R, 0603	0603
C13, C16	2	10uF	C2012X7R1A106M125AC	TDK	CAP, CERM, 10 uF, 10 V, +/- 20%, X7R, 0805	0805
C15, C31	2	0.1uF	GRM155R71C104JA88D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 5%, X7R, 0402	0402
C17, C19	2	2.2uF	GCM31CR71H225KA55L	MuRata	CAP, CERM, 2.2 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C18, C20	2	2200pF	C0603C222K5RACTU	Kemet	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0603	0603
C27	1	22uF	EMVK350ADA220MF55G	Chemi-Con	CAP, AL, 22 uF, 35 V, +/- 20%, SMD	F55
C28	1	4700pF	GCM188R71H472KA37D	MuRata	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C33	1	2200pF	C0603X222K5RACTU	Kemet	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0603	0603
C37	1	0.1uF	C0402C104K4RACAUTO	Kemet	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
D1	1	40V	B540C-13-F	Diodes Inc.	Diode, Schottky, 40 V, 5 A, SMC	SMC
J1	1		1757242	Phoenix Contact	Header (Shrouded), 5.08 mm, 2x1, Tin, R/A, TH	Header, 5.08 mm, 2x1, R/A, TH
J3, J4	2		632723300011	Würth Elektronik	Connector, Receptacle, USB Type C, R/A	Connector, Receptacle, USB Type C, R/A, THT/SMT
L1	1	880 ohm	74279252	Würth Elektronik	Ferrite Bead, 880 ohm @ 100 MHz, 4 A, 1812	1812
L2	1	1uH	XAL5030-102MEB	Coilcraft	Inductor, Shielded, CAPPR7.5-16X20, 1 μ H, 11.1 A, 0.0094 ohm, AEC-Q200 Grade 1, SMD	5.3x31.x5.5mm
L3	1	4.7uH	XAL8080-472ME	Coilcraft	Inductor, Shielded, Composite, 4.7 uH, 10.5 A, 0.00889 ohm, SMD	8.1 x 8 x 8.6mm
R1	1	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R2	1	20k	CRCW040220K0JNED	Vishay-Dale	RES, 20 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R3, R5, R6	3	5.1k	CRCW04025K10JNED	Vishay-Dale	RES, 5.1 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R4, R8	2	39k	ERJ-2GEJ393X	Panasonic	RES, 39 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
R7	1	49.9k	RC0603FR-0749K9L	Yageo	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R9, R10	2	0	MCR01MZPJ000	Rohm	RES, 0, 5%, 0.063 W, 0402	0402
RT1	1	470k	NCP18WM474J03RB	MuRata	Thermistor NTC, 470k ohm, 5%, 0603	0603
U1	1		TPS25850QRPQRQ1	Texas Instruments	Dual 3A USB Type-C Charging Ports Controller with Programmable Current Limit and Thermal Management, RPQ0025A (VQFN-25)	RPQ0025A
C10, C34	0	10uF	GRT31CR61H106KE01L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X5R, AEC-Q200 Grade 1, 1206	1206
C26	0	4.7uF	CGA5L3X7R1H475K160AE	TDK	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C29	0	3300pF	GRM188R71H332KA01D	MuRata	CAP, CERM, 3300 pF, 50 V, +/- 10%, X7R, 0603	0603
C32	0	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C38	0	2200pF	CGA2B2X7R1H222K050BA	TDK	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
L4, L5	0	880 ohm	74279252	Würth Elektronik	Ferrite Bead, 880 ohm @ 100 MHz, 4 A, 1812	1812

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
L6	0	4.7uH	XAL6060-472MEB	Coilcraft	Inductor, Shielded, Composite, 4.7 μ H, 10.5 A, 0.0144 ohm, AEC-Q200 Grade 1, SMD	IND_6.4x6.1x6.6
L7	0	1uH	NC	Coilcraft	Inductor, Shielded, CAPPR7.5-16X20, 1 μ H, 11.1 A, 0.0094 ohm, AEC-Q200 Grade 1, SMD	5.3x31.x5.5mm

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