

PMP40681 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP40681	Any	Printed Circuit Board	
C1, C6	2	0.1uF	GCM155R71H104KE02D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C2, C3, C4, C18	4	22uF	GCM31CR71A226KE02	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C5, C7, C9, C10, C11, C17	6	10uF	CGA5L1X7R1H106K160AC	TDK	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C12, C14	2	2.2uF	GRM188R71A225KE15J	MuRata	CAP, CERM, 2.2 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C13, C16	2	1uF	GCM188R71C105KA64D	MuRata	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C15	1	0.1uF	GCM155R71C104JA55D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 5%, X7R, AEC-Q200 Grade 1, 0402	0402
C21	1	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C22, C23	2	0.1uF	GCM188R71C104KA37J	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
J1, J2	2		1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
J3, J4	2		632723300011	Würth Elektronik	Connector, Receptacle, USB Type C, R/A	Connector, Receptacle, USB Type C, R/A, THT/SMT
L1	1	1uH	XAL4020-102MEB	Coilcraft	Inductor, Shielded, Composite, 1 uH, 8.75 A, 0.01 ohm, AEC-Q200 Grade 1, SMD	4x2.1x4mm
L2	1	1uH	XAL8080-102MEB	Coilcraft	Inductor, Shielded, Composite, 1 uH, 31.38 A, 0.0021 ohm, SMD	8.1 x 8 x 8.6mm
R1, R6, R8	3	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R2	1	20k	CRCW040220K0JNED	Vishay-Dale	RES, 20 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R3, R9, R10	3	5.1k	CRCW04025K10JNED	Vishay-Dale	RES, 5.1 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R4	1	39.2k	CRCW040239K2FKED	Vishay-Dale	RES, 39.2 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R5	1	18.7k	CRCW040218K7FKED	Vishay-Dale	RES, 18.7 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R7	1	8.87k	CRCW04028K87FKED	Vishay-Dale	RES, 8.87 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
RT1	1	470k	NCP15WM474J03RC	MuRata	Thermistor NTC, 470k ohm, 5%, 0402	0402
U1	1		TPS25850QRPQRQ1	Texas Instruments	Dual 3A USB Type-C Charging Ports Controller with Programmable Current Limit and Thermal Management, RPQ0025A (VQFN-25)	RPQ0025A
C19, C20	0	22uF	GCM31CR71A226KE02	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206

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