

PMP40731 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP40731	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	3	22uF	GCM31CR71A226KE02	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C7, C9, C10	3	10uF	CGA5L1X7R1H106K160AC	TDK	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C8	1	330uF	PCG1A331MCL1GS	Nichicon	CAP, AL, 330 uF, 10 V, +/- 20%, 0.023 ohm, SMD	8x10
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
C24	1	100uF	EEE-FT1V101AP	Panasonic	CAP, AL, 100 uF, 35 V, +/- 20%, 0.26 ohm, AEC-Q200 Grade 2, SMD	D6.3xL5.8mm
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	74437336010	Würth Elektronik	Inductor, Wirewound, 1 uH, 7.3 A, 0.013 ohm, SMD	5.7x2.8x5.2mm
L2	1	4.7uH	ETQP4M4R7KVK	Panasonic	Inductor, Shielded, Metal Composite, 4.7uH, 15.1 A, 0.018 ohm, AEC-Q200 Grade 0, SMD	8.5x8mm
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	49.9k	CRCW040249K9FKED	Vishay-Dale	RES, 49.9 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		TPS25858QRPQRQ1	Texas Instruments	Dual 3A USB Type-C Charging Ports Controller with Programmable Current Limit and Thermal Management, RPQ0025A (VQFN-25)	RPQ0025A

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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