

PMP40542 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP40542	Any	Printed Circuit Board	
C2, C4, C5, C12, C16, C18, C19, C26	8	0.1uF	CGA2B3X7R1E104K050BB	TDK	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C3, C17	2	2.2uF	GRT155R61E225KE13D	MuRata	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X5R, AEC-Q200 Grade 3, 0402	0402
C6, C7, C20, C21	4	22uF	GRT31CR61E226KE01L	MuRata	CAP, CERM, 22 uF, 25 V, +/- 10%, X5R, AEC-Q200 Grade 3, 1206	1206
C8, C22	2	10uF	GRM21BC81C106KA73L	MuRata	CAP, CERM, 10 µF, 16 V, +/- 10%, X6S, 0805	0805
C9, C23, C29	3	0.1uF	CGA3E2X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C10, C24	2	10uF	CGA5L1X7R1H106K160AC	TDK	CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C11, C13, C14, C25, C27, C28	6	0.22uF	C1005X5R1E224M050BC	TDK	CAP, CERM, 0.22 uF, 25 V, +/- 20%, X5R, 0402	0402
J2, J3	2		632723300011	Würth Elektronik	Connector, Receptacle, USB Type C, R/A	Connector, Receptacle, USB Type C, R/A, THT/SMT
L1, L2	2	10uH	XAL6060-103MEB	Coilcraft	Inductor, Shielded, Composite, 10 µH, 7 A, 0.02982 ohm, AEC-Q200 Grade 1, SMD	IND_6.4x6.1x6.6
R2, R15	2	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
R3, R16	2	0.015	CSR1206FK15L0	Stackpole Electronics Inc	RES, 0.015, 1%, 0.5 W, 1206	1206
R4, R17	2	301	CRCW0402301RFKED	Vishay-Dale	RES, 301, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R5, R18	2	49.9k	ERJ-2RKF4992X	Panasonic	RES, 49.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
R6, R7, R19, R20	4	100k	CRCW0402100KFED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R10, R23	2	12.1k	CRCW040212K1FKED	Vishay-Dale	RES, 12.1 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R11, R24	2	2.74k	CRCW04022K74FKED	Vishay-Dale	RES, 2.74 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
U1, U2	2		TPS25833QWRHBRQ1	Texas Instruments	USB Type-C and BC1.2 5V 3.5A Output, 36V Input Synchronous Buck with Cable Compensation, RHB0032R (VQFN-32)	RHB0032R
C1, C15	0	100pF	GCM1885C2A101JA16D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
R1, R14	0	10.0	ERJ-8ENF10R0V	Panasonic	RES, 10.0, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R8, R9, R21, R22	0	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
R13, R26	0	5.1k	CRCW04025K10JNED	Vishay-Dale	RES, 5.1 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402

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