

PMP40934 REV E2 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP40934	Any	Printed Circuit Board	
C1	1	4.7µF	GRT21BC71H475KE13L	MuRata	Cap Ceramic 4.7uF 50V X7R 10% Pad SMD 0805 +125°C Automotive T/R	0805
C3, C19, C20	3	4.7µF	GRT21BC71H475KE13L	MuRata	Cap Ceramic 4.7uF 50V X7R 10% Pad SMD 0805 +125°C Automotive T/R	0805
C5, C6, C7	3	0.1µF	GRT155R71H104KE01D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C8	1	3300pF	GRM188R72A332KA01D	MuRata	CAP, CERM, 3300 pF, 100 V, +/- 10%, X7R, 0603	0603
C9	1	0.22µF	CGA2B1X7R1V224K050BC	TDK	CAP, CERM, 0.22 uF, 35 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C10, C28, C32, C37, C39, C40, C41, C44, C45, C46	10	10µF	GRT31CD71H106KE13	MuRata	CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206_190
C12, C14, C15	3	4.7µF	GCM21BR71C475KA73K	MuRata	CAP, CERM, 4.7 µF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
C13, C33, C36	3	0.1µF	GRT155R71H104KE01D	AVX	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C16, C21	2	100µF	EEE-FT1V101AP	Panasonic	CAP, AL, 100 uF, 35 V, +/- 20%, 0.26 ohm, AEC-Q200 Grade 2, SMD	D6.3xL5.8mm
C17, C18, C22, C24, C25, C26, C50, C51	8	0.1µF	GRT155R71H104KE01D	Murata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C23	1	0.47µF	CGA3E3X7R1H474K080AE	TDK	CAP, CERM, 0.47 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C27, C29, C30, C34	4	3900pF	GRM188R72A392KA01D	MuRata	CAP, CERM, 3900 pF, 100 V, +/- 10%, X7R, 0603	0603
C35, C68	2	330pF	GRM155R71H331KA01D	MuRata	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0402	0402
FB1	1		BLM21SP700SZ1D	Murata	Chip Ferrite Bead, 0805, 70Ω @ 100MHz, 0.009Ω, 25%, 6A	0805
I2C, PA_CC	2		61300311121	Würth Elektronik	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
J1	1		1757242	Phoenix Contact	Header (Shrouded), 5.08 mm, 2x1, Tin, R/A, TH	Header, 5.08 mm, 2x1, R/A, TH
J10	1		USB4085-GF-A	Global Connector Technology	USB - C (Type - C) USB 2.0 Receptacle Connector 16 Position Through Hole, Right Angle	PTH_USB-C
L1	1	4.7µH	XAL1010-472MEB	Coilcraft	Inductor, Shielded, Composite, 4.7 uH, 24 A, 0.01 ohm, SMD	Inductor, 11.3x10x10mm
L2	1	4.7µH	XFL5030-472MEC	Coilcraft	Inductor, Shielded, Composite, 4.7 µH, 2.5 A, 0.022 ohm, AEC-Q200 Grade 1, SMD	5.48x5.28mm
L3, L4, L5	3	50 ohm	BLM31SN500SZ1L	MuRata	Ferrite Bead, 50 ohm @ 100 MHz, 12 A, 1206	1206
R2	1	1.00	CRCW12061R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R3	1	47.0k	CRCW060347K0FKEA	Vishay-Dale	RES, 47.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R4	1	0	CRCW04020000Z0EDHP	Vishay-Dale	RES, 0, 0%, 0.2 W, AEC-Q200 Grade 0, 0402	0402
R5	1	10.0	CRCW040210R0FKED	Vishay-Dale	RES, 10.0, 1%, 0.063 W, 0402	0402
R6	1	10.0	RC1206FR-0710RL	Yageo America	RES, 10.0, 1%, 0.25 W, 1206	1206
R7, R8	2	3.30k	RK73H1ETTP3301F	KOA Speer	RES, 3.30 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R12	1	5.1k	CRCW06035K10JNEA	Vishay-Dale	RES, 5.1 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R14	1	0.01	WSL2010R0100FEA18	Vishay-Dale	RES, 0.01, 1%, 1 W, 2010	2010
R40	1	10k	ERJ-2GEJ103X	Panasonic	RES, 10 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
RT2	1		TMP6131QDECRQ1	Texas Instruments	Thermistor, DEC0002A (X1SON-2)	DEC0002A
U1	1		TPS25762CQRQLRQ1	Texas Instruments	Automotive Dual USB Type-C Power Delivery Controller with Buck-Boost Regulator	VQFN-HR29

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U2	1		24LC256-I/ST	Microchip	256K I2C CMOS Serial EEPROM, TSSOP-8	TSSOP-8
C4	0	3300pF	GRM188R72A332KA01D	MuRata	CAP, CERM, 3300 pF, 100 V, +/- 10%, X7R, 0603	0603
R1	0	2.20	ERJ-8RQF2R2V	Panasonic	RES, 2.20, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206

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