

**PMP40285 REV A Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C4, C18	3	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, 1210	1210
C2	1	2.2uF	GRM188R61A225KE34D	MuRata	CAP, CERM, 2.2 µF, 10 V, +/- 10%, X5R, 0603	0603
C3	1	0.47uF	GRM188R71A474KA61D	MuRata	CAP, CERM, 0.47 µF, 10 V, +/- 10%, X7R, 0603	0603
C5	1	0.47uF	C1608X7R1H474K080AC	TDK	CAP, CERM, 0.47 µF, 50 V, +/- 10%, X7R, 0603	0603
C6, C11, C12	3	0.1uF	C1608X7R1E104K	TDK	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
C7, C9, C15,	3	47uF	GRM21BR61A476ME15	MuRata	CAP, CERM, 47 µF, 10 V, +/- 20%, X5R, 0805	0805
C10, C19, C20	3	10uF	C0805C106K8PACTU	Kemet	CAP, CERM, 10 µF, 10 V, +/- 10%, X5R, 0805	0805
C13, C14	2	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 µF, 25 V, +/- 5%, X7R, 0603	0603
C17	1	4.7pF	06035A4R7CAT2A	AVX	CAP, CERM, 4.7 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
J1, J2	2		632 723 300 011	Würth Elektronik	Connector, Receptacle, USB Type C, R/A	Connector, Receptacle, USB Type C, R/A, THT/SMT
L1	1	6.8uH	XAL8080-682MEB	Coilcraft	Inductor, Shielded, Composite, 6.8 µH, 11.3 A, 0.0132 ohm, SMD	8.1 x 8 x 8.6mm
R1	1	1.00Meg	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, 0603	0603
R2	1	112K		Yageo America	RES, 112k, 1%, 0.1 W, 0603	0603
R3, R14	2	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	0603
R4, R15	2	100k	RC0603FR-07100KL	Yageo America	RES, 100 k, 1%, 0.1 W, 0603	0603
R5	1	243k	RC0603FR-07243KL	Yageo America	RES, 243 k, 1%, 0.1 W, 0603	0603
R6	1	3.0	CRCW06033R00JNEA	Vishay-Dale	RES, 3.0, 5%, 0.1 W, 0603	0603
R8	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
U1	1		LM73606RNPR	Texas Instruments	3.5V to 36V 5A Synchronous Step-Down Voltage Regulator, RNP0030A	RNP0030A
U2, U3	2		TPS25810-Q1	Texas Instruments	USB Type-C DFP Controller and Power Switch with Load Detection, RVC0020A	RVC0020A
U4	1		TPS2513AQDBVRQ1	Texas Instruments	USB Dedicated Charging Port Controller, DBV0006A (SOT-23-6)	DBV0006A
U5	1		TPD4E001QDBVRQ1	Texas Instruments	Low-Capacitance + / - 15-kV ESD Protection Array for High-Speed Data Interfaces, 4 Channels, -40 to +85 degC, 6-pin SOT-23 (DBV), Green (RoHS & no Sb/Br)	DBV0006A
R7	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
C8, C16	0	47uF	GRM21BR61A476ME15	MuRata	CAP, CERM, 47 µF, 10 V, +/- 20%, X5R, 0805	0805

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