

**PMP40286 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	885012206027	Würth Elektronik	CAP, CERM, 2.2 µF, 10 V, +/- 10%, X7R, 0603	0603
C3	1	0.47uF	885012206024	Würth Elektronik	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, C19	2	0.1uF	885012206071	Würth Elektronik	CAP, CERM, 0.1 µF, 25 V, +/- 5%, X7R, 0603	0603
C7, C9, C15, C16, C8	5	47uF	GRM21BR61A476ME15	MuRata	CAP, CERM, 47 µF, 10 V, +/- 20%, X5R, 0805	0805
C10, C20	2	10uF	885012207026	Würth Elektronik	CAP, CERM, 10 µF, 10 V, +/- 10%, X7R, 0805	0805
C11, C12, C21	3	0.1uF	885012206071	Würth Elektronik	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
C14	1	0.022uF	885012206091	Würth Elektronik	CAP, CERM, 0.022 µF, 50 V, +/- 10%, X7R, 0603	0603
C17	1	10uF	885012207026	Würth Elektronik	CAP, CERM, 10 µF, 10 V, +/- 10%, X7R, 0805	0805
J1	1		614 104 150 121	Würth Elektronik	Connector, Receptacle, USB Type A, R/A, Bottom Mount TH	Connector, Receptacle, USB Type A, TH
J2	1		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	0	RC0603JR-070RL	Yageo America	RES, 0, 5%, 0.1 W, 0603	0603
R2	1	19.1k		Yageo America	RES, 112k, 1%, 0.1 W, 0603	0603
R3	1	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	0603
R5	1	47.0k	RC0603FR-0747KL	Yageo America	RES, 47.0 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
R9	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R10	1	200k	RC0603FR-07200KL	Yageo America	RES, 200 k, 1%, 0.1 W, 0603	0603
R11	1	2.10k	RC0603FR-072K1L	Yageo America	RES, 2.10 k, 1%, 0.1 W, 0603	0603
R12	1	20.0k	RT0603BRD0720KL	Yageo America	RES, 20.0 k, 0.1%, 0.1 W, 0603	0603
U1	1		LM73606RNPR	Texas Instruments	3.5V to 36V 5A Synchronous Step-Down Voltage Regulator, RNP0030A	RNP0030A
U2	1		TPS25810TWRVCRQ1	Texas Instruments	USB Type-C DFP Controller and Power Switch with Load Detection, RVC0020A	RVC0020A
U3	1		TPS2514AQDBVRQ1	Texas Instruments	USB Dedicated Charging Port Controller, DBV0006A	DBV0006A
U7	1		TPD2E001IDRLRQ1	Texas Instruments	Low-Capacitance +/- 15 kV ESD-Protection Array for High-Speed Data Interfaces, 2 Channels, -40 to +85 degC, 5-pin SOT (DRL), Green (RoHS & no Sb/Br)	DRL0005A
U4	1		TPS2549IRTERQ1	Texas Instruments	USB Charging Port Controller, RTE0016C (WQFN-16)	RTE0016C
R4	1	100k	RC0603FR-07100KL	Yageo America	RES, 100 k, 1%, 0.1 W, 0603	0603
R7	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603

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