## PMP4488 BOM

Designator	Quantity	Description	Footprint	PartNumber	Manufacturer
C1, C2	2	CAP, CERM, 0.1 μF, 50 V, +/- 10%, X7R, 0603	0603	C0603C104K5RACTU	Kemet
C3	1	CAP, AL, 150 μF, 6.3 V, +/- 20%, 15 ohm, SMD	CAPAE_SP-Cap_Standard	EEFCX0J181R	Panasonic
C4	1	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603	GRM1885C1H101JA01D	MuRata
C5	1	CAP, CERM, 4.7 μF, 50 V, +/- 10%, X5R, 1206	1206	GRM319R61H475KA12	MuRata
C6	1	CAP, CERM, 0.1 μF, 25 V, +/- 10%, X7R, 0603	0603	C1608X7R1E104K	TDK
С7	1	CAP, CERM, 6800 pF, 50 V, +/- 10%, X7R, 0603	0603	GRM188R71H682KA01D	MuRata
C8	1	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0603	0603	GRM188R71H331KA01D	MuRata
C17, C18	2	CAP, CERM, 0.1 µF, 25 V, +/- 5%, X7R, 0603	0603	06033C104JAT2A	AVX
C19	1	CAP, CERM, 10 μF, 10 V, +/- 10%, X5R, 0805	0805_HV	C0805C106K8PACTU	Kemet
D1	1	Diode, Super Barrier Rectifier, 45 V, 10 A, PowerDI5	PowerDI5	SBR10U45SP5	Diodes Inc.
J2	1	Connector, Receptacle, USB TYPE C, R/A, SMT	Foxconn_UT12113-11602-7H	UT12113-11602-7H	Foxconn
L1	1	Inductor, Shielded, Composite, 4.7 µH, 10.5 A, 0.015 ohm, SMD	XAL6060	XAL6060-472MEB	Coilcraft
R1	1	RES, 39.0 k, 1%, 0.1 W, 0603	0603	RC0603FR-0739KL	Yageo America
R2	1	RES, 240 k, 1%, 0.1 W, 0603	0603	RC0603FR-07240KL	Yageo America
R3	1	RES, 11.0 k, 1%, 0.1 W, 0603	0603	RC0603FR-0711KL	Yageo America
R4	1	RES, 100 k, 5%, 0.1 W, 0603	0603	CRCW0603100KJNEA	Vishay-Dale
R5	1	RES, 10.0 k, 1%, 0.1 W, 0603	0603	RC0603FR-0710KL	Yageo America
R6	1	RES, 1.21 k, 1%, 0.1 W, 0603	0603	CRCW06031K21FKEA	Vishay-Dale
R7	1	RES, 8.25 k, 1%, 0.1 W, 0603	0603	RC0603FR-078K25L	Yageo America
R8	1	RES, 200, 1%, 0.1 W, 0603	0603	RC0603FR-07200RL	Yageo America
R9	1	RES, 49.9, 1%, 0.1 W, 0603	0603	RC0603FR-0749R9L	Yageo America
R10	1	RES, 6.2, 5%, 0.125 W, 0805	0805_HV	CRCW08056R20JNEA	Vishay-Dale
R30	1	RES, 100 k, 1%, 0.1 W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale
R39, R44, R45	3	RES, 10 k, 5%, 0.1 W, 0603	0603	CRCW060310K0JNEA	Vishay-Dale
U1	1	USB Type-C DFP Controller and Power Switch with Load Detection, RVC0020A	RVC0020A	TPS25810RVC	Texas Instruments
U2	1	USB Dedicated Charging Port Controller, DBV0006A	DBV0006A_N	TPS2514ADBV	Texas Instruments
U3	1	42 V Input, 3.5 A, Step Down DC-DC Converter with Eco-mode, DDA0008E	DDA0008E_N	TPS54340DDA	Texas Instruments
U7	1	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	TPD2E001DRLRG4	Texas Instruments

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