

PMP11594 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2	2	0.1uF	C0603C104K5RACTU	Kemet	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
C3	1	150uF	EEFCX0J181R	Panasonic	CAP, AL, 150 μ F, 6.3 V, +/- 20%, 15 ohm, SMD	7.3x1.8x4.3mm
C4	1	0.022uF	GRM188R71H223KA01D	MuRata	CAP, CERM, 0.022 μ F, 50 V, +/- 10%, X7R, 0603	0603
C5	1	4.7uF	GRM319R61H475KA12	MuRata	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X5R, 1206	1206
C6	1	0.1uF	C1608X7R1E104K	TDK	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X7R, 0603	0603
C8	1	330pF	GRM188R71H331KA01D	MuRata	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0603	0603
C17, C18	2	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 μ F, 25 V, +/- 5%, X7R, 0603	0603
C19	1	10uF	C0805C106K8PACTU	Kemet	CAP, CERM, 10 μ F, 10 V, +/- 10%, X5R, 0805	0805
D1	1	45V	SBR10U45SP5	Diodes Inc.	Diode, Super Barrier Rectifier, 45 V, 10 A, PowerDI5	PowerDI5
GND, VIN+	0			Keystone	Terminal, TH	
J2	1		UT12113-11602-7H	Foxconn	Connector, Receptacle, USB TYPE C, R/A, SMT	Connector, Receptacle, USB TYPE C, R/A, SMT
L1	1	4.7uH	XAL6060-472MEB	Coilcraft	Inductor, Shielded, Composite, 4.7 μ H, 10.5 A, 0.015 ohm, SMD	IND_6.4x6.1x6.6
R1	1	39.0k	RC0603FR-0739KL	Yageo America	RES, 39.0 k, 1%, 0.1 W, 0603	0603
R2	1	51.0k	RC0603FR-0751KL	Yageo America	RES, 51.0 k, 1%, 0.1 W, 0603	0603
R4	1	100k	CRCW0603100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.1 W, 0603	0603
R5	1	10.0k	RC0603FR-0710KL	Yageo America	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R6	1	1.20k	RC0603FR-071K2L	Yageo America	RES, 1.20 k, 1%, 0.1 W, 0603	0603
R7	1	6.20k	RC0603FR-076K2L	Yageo America	RES, 6.20 k, 1%, 0.1 W, 0603	0603
R8	1	620	RC0603FR-07620RL	Yageo America	RES, 620, 1%, 0.1 W, 0603	0603
R9	1	49.9	RC0603FR-0749R9L	Yageo America	RES, 49.9, 1%, 0.1 W, 0603	0603
R10	1	6.2	CRCW08056R20JNEA	Vishay-Dale	RES, 6.2, 5%, 0.125 W, 0805	0805
R30	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R39	1	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	0603
R44, R45	0	5.1k	RC0603JR-075K1L	Yageo America	RES, 5.1 k, 5%, 0.1 W, 0603	0603
U1	1		TPS25810RVC	Texas Instruments	USB Type-C DFP Controller and Power Switch with Load Detection, RVC0020A	RVC0020A
U2	1		TPS2514ADB	Texas Instruments	USB Dedicated Charging Port Controller, DBV0006A	DBV0006A
U3	1		LMR14030SQDDARQ1	Texas Instruments	SIMPLE SWITCHER 40 V 3.5 A, 2.2 MHz Step-Down Converter with 40 μ A IQ, DDA0008E	DDA0008E
U7	1		TPD2E001DRLRG4	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

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