

PMP12003 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPCBA?	1		PMP9291 Rev4 PCB	Any	PMP9291 Rev4 PCB	N/A
-Vout	1	Orange	5013	Keystone	Test Point, Multipurpose, Orange, TH	Orange Multipurpose Testpoint
C30	1	1000pF	VJ1210Y102KXGAT5Z	Vishay-Vitramon	Ceramic, X7R, 1000V, 10%	1210
C31, C32, C37, C38	4	2.2uF	GRM21BR71E225KA73L	MuRata	CAP, CERM, 2.2 μ F, 25 V, +/- 10%, X7R, 0805	0805
C33	1	0.01uF	GRM188R71C103KA01D	MuRata	CAP, CERM, 0.01uF, 16V, +/-10%, X7R, 0603	0603
C34	1	0.01uF	C0603C103J5RACTU	Kemet	CAP, CERM, 0.01uF, 50V, +/-5%, X7R, 0603	0603
C35	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 0603	0603
C36	1	1000pF	06035A102KAT2A	AVX	CAP, CERM, 1000pF, 50V, +/-10%, C0G/NP0, 0603	0603
C39a, C39b	2	4.7uF	UMK316AB7475KL-T	Taiyo Yuden	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, 1206_190	1206_190
C40	1	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0402	0402
GND, GND2, GNDin	3	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
Q13	1	40V	SBRT3U40P1-7	Diodes Inc.	Diode, Super Barrier Rectifier, 40 V, 3 A, AEC-Q101, PowerDI123	PowerDI123
R1, R32	2	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.25W, 1206	1206
R29	1	7.50k	CRCW06037K50FKEA	Vishay-Dale	RES, 7.50 k, 1%, 0.1 W, 0603	0603
R30	1	324k	CRCW0603324KFKEA	Vishay-Dale	RES, 324 k, 1%, 0.1 W, 0603	0603
R31	1	100k	CRCW0805100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.125 W, 0805	0805
R33	1	76.8k	CRCW060376K8FKEA	Vishay-Dale	RES, 76.8 k, 1%, 0.1 W, 0603	0603
R35	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0k ohm, 1%, 0.1W, 0603	0603
SW1, SW2	2	Yellow	5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
T1	1	25uH	750315703	Würth Elektronik	1:1 XFMR; 1A Isat. Primary	
U2	1		LM5017MRX/NOPB	Texas Instruments	100V, 600mA Constant On-Time Synchronous Buck Regulator, DDA0008B	DDA0008B
Vin, Vo2	2	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
D6	0	45V	CD0603-B0240	Bourns	Diode, Schottky, 45V, 0.2A, 0603 Diode	0603 Diode
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
R34	0	8.25k	CRCW08058K25FKEA	Vishay-Dale	RES, 8.25k ohm, 1%, 0.125W, 0805	0805

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