

### PMP15018 Bill of Materials

Designator	QTY	Value	PartNumber	Manufacturer	Description	PackageReference
PCB	1		Rev-A	Any	Printed Circuit Board	
1.2V, 1V, 12V, PG-PU, Vin	5		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
BODE	1		5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
C1	1	100uF	EEE-FK1H101P	Panasonic	CAP, AL, 100 µF, 50 V, +/- 20%, 0.34 ohm, SMD	SMT Radial F
C3	1	10uF	GRM31CR61H106KA12L	MuRata	CAP, CERM, 10 µF, 50 V, +/- 10%, X5R, 1206_190	1206_190
C4	1	0.1uF	C0805C104K5RACTU	Kemet	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0805	0805
C5	1	0.01uF	0603ZC103KAT2A	AVX	CAP, CERM, 0.01 µF, 10 V, +/- 10%, X7R, 0603	0603
C6, C27, C49	3	0.1uF	C1608X7R1E104K080AA	TDK	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
C7	1	3300pF	06031C332JAT2A	AVX	CAP, CERM, 3300 pF, 100 V, +/- 5%, X7R, 0603	0603
C8, C9	2	22pF	06035A220JAT2A	AVX	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C10, C11, C12, C13, C21, C22, C41, C42, C43, C44	10	22uF	C2012X5R1V226M125AC	TDK	CAP, CERM, 22 µF, 35 V, +/- 20%, X5R, 0805	0805
C23, C24, C45, C46	4	0.1uF	GRM155R61E104KA87D	MuRata	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X5R, 0402	0402
C25, C47	2	4.7uF	0603ZD475KAT2A	AVX	CAP, CERM, 4.7 µF, 10 V, +/- 10%, X5R, 0603	0603
C26, C48	2	0.047uF	06033C473JAT2A	AVX	CAP, CERM, 0.047 µF, 25 V, +/- 5%, X7R, 0603	0603
C28, C29, C50, C51, C52, C53	6	100uF	GRM31CR60J107ME39L	MuRata	CAP, CERM, 100 µF, 6.3 V, +/- 20%, X5R, 1206	1206
COMP	1		5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
D1	1	60V	PDS560-13	Diodes Inc.	Diode, Schottky, 60 V, 5 A, PowerDI5	PowerDI5
J1, J2, J3, J4	4		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
L1	1	12uH	MSS1278T-123MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 12 µH, 5.2 A, 0.02 ohm, SMD	MSS1278T
L2	1	470nH	744314047	Würth Elektronik	Inductor, Shielded Drum Core, Superflux, 470 nH, 18 A, 0.0018 ohm, SMD	6.9x4.8x6.9mm
L3	1	1.2uH	744325120	Würth Elektronik	Inductor, Shielded Drum Core, Superflux, 1.2 µH, 20 A, 0.00178 ohm, SMD	WE-HC6
R1	1	294k	CRCW0603294KFKEA	Vishay-Dale	RES, 294 k, 1%, 0.1 W, 0603	0603
R2	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, 0603	0603
R3	1	196k	CRCW0603196KFKEA	Vishay-Dale	RES, 196 k, 1%, 0.1 W, 0603	0603
R4	1	24.3k	CRCW060324K3FKEA	Vishay-Dale	RES, 24.3 k, 1%, 0.1 W, 0603	0603
R5, R21, R26, R41, R45, R46	6	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R6, R24, R44	3	10.0	TNPW060310R0BEEA	Vishay-Dale	RES, 10.0, 0.1%, 0.1 W, 0603	0603
R7	1	143k	CRCW0603143KFKEA	Vishay-Dale	RES, 143 k, 1%, 0.1 W, 0603	0603
R8	1	10.2k	CRCW060310K2FKEA	Vishay-Dale	RES, 10.2 k, 1%, 0.1 W, 0603	0603
R22	1	60.4k	CRCW060360K4FKEA	Vishay-Dale	RES, 60.4 k, 1%, 0.1 W, 0603	0603
R23, R43	2	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R25	1	6.65k	CRCW06036K65FKEA	Vishay-Dale	RES, 6.65 k, 1%, 0.1 W, 0603	0603
R42	1	137k	CRCW0603137KFKEA	Vishay-Dale	RES, 137 k, 1%, 0.1 W, 0603	0603
SW-1, SW-2, SW-3	3		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
U1	1		TPS54541DPRR	Texas Instruments	4.5-V to 42-V Input, 5-A Step-Down DC-DC Converter With Soft-Start and Eco-mode, DPR0010A	DPR0010A
U2, U3	2		TPS56C215RNNR	Texas Instruments	4.5V to 17V Input, 12A Synchronous Step-Down Converter, RNN0017A	RNN0017A
[NoValue], AGND-1, AGND-2, PGND, PGND, PGND	6		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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