

**PMP20182 REV A Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	0.01uF	06031C103MAT2A	AVX	CAP, CERM, 0.01 µF, 100 V, +/- 20%, X7R, 0603	0603
C2	1	0.22uF	06033D224KAT2A	AVX	CAP, CERM, 0.22 µF, 25 V, +/- 10%, X5R, 0603	0603
C3	1	47uF	UVR1C470MDD1TD	Nichicon	CAP ALUM 47UF 20% 16V RADIAL	6.3x9mm
C4	1	1uF	12063C105KAT2A	AVX	CAP, CERM, 1uF, 25V, +/-10%, X7R, 1206	1206
C5	1	1uF	GCM31MR71E105KA37L	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C6	1	220pF	GRM1885C1H221JA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C7	1	560pF	06035A561JAT2A	AVX	CAP, CERM, 560 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C8	1	470uF	16YXG470MEFC10X12.5	Rubycon	CAP ALUM 470UF 20% 16V RADIAL	10x16mm
C9	1	10uF	UCS2G100MPD	Nichicon	CAP ALUM 10UF 20% 400V RADIAL	10x20mm
C101	1	1uF	GRM216R61E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0805	0805
D1	1	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100V, 0.15A, SOD-123	SOD-123
D2, D5	2	600V	RS1J	Fairchild Semiconductor	DIODE GEN PURP 600V 1A SMA	SMA
D3	1	6.8V	MMSZ5235B-7-F	Diodes Inc.	Diode, Zener, 6.8 V, 500 mW, SOD-123	SOD-123
D4	1	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100V, 0.2A, SOD-323	SOD-323
D6	1	600V	MDB6S	Fairchild Semiconductor	Diode, Switching-Bridge, 600 V, 1 A, MICRODIP_4	MICRODIP_4
F1	1		37203150001	Littelfuse	Fuse, 0.315 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
L1	1	220uH	SDR1006-221KL	Bourns	Inductor, Drum Core, Ferrite, 220 µH, 0.66 A, 0.73 ohm, SMD	SDR1006
Q1	1	500V	IXTY1R6N50D2	IXYS	MOSFET N-CH 500V 1.6A DPAK	DPAK
Q2	1	500V	AOD3N50	AOS	MOSFET, N-CH, 500 V, 2.8 A, DPAK	DPAK
R1	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R2	1	9.53k	CRCW06039K53FKEA	Vishay-Dale	RES, 9.53 k, 1%, 0.1 W, 0603	0603
R3, R4	2	75	PNP300JR-73-75R	Yageo	RES 75 OHM 3W 5% AXIAL	Axial resistor
R5, R6	2	220k	CRCW2010220KJNEF	Vishay-Dale	RES, 220 k, 5%, 0.75 W, 2010	2010
R7	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R8	1	511	CRCW0603511RFKEA	Vishay-Dale	RES, 511 ohm, 1%, 0.1W, 0603	0603
R9	1	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49k ohm, 1%, 0.1W, 0603	0603
R10	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R11	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
R12	1	1.00	CRCW12061R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.25 W, 1206	1206
R13, R14	2	5.1k	CRCW12065K10JNEA	Vishay-Dale	RES, 5.1 k, 5%, 0.25 W, 1206	1206
R15	1	33.2	CRM2512-FX-33R0ELF	Bourns Inc.	RES SMD 33 OHM 1% 2W 2512	2512
R101	1	301k	ERJ-8ENF3013V	Panasonic	RES, 301 k, 1%, 0.25 W, 1206	1206
TP1, TP3	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP4	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC2813D-0	Texas Instruments	IC REG CTRLR BST FLYBK PWM 8SOIC	D0008A

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