

PMP30198 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB	1		PMP30198	Any	Printed Circuit Board	
C1	1	680uF	UCL1E681MNL1GS	Nichicon	CAP, AL, 680 µF, 25 V, +/- 20%, SMD	D10xL13.5mm
C2	1	DNP	QMK212B7102KD-T	Taiyo Yuden	CAP, CERM, 1000 pF, 250 V, +/- 10%, X7R, 0805	0805
C3, C7	2	DNP	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	Used in PnP output and some BOM reports
C4	1	10uF	EEUEE2W100U	Panasonic	CAP, AL, 10 µF, 450 V, +/- 20%, TH	Cap, 10x20mm
C5	1	0.1uF	R46KF310050P0K	Kemet	CAP, Film, 0.1 µF, 560 V, +/- 10%, TH	13x12x6mm
C6	1	47uF	EEE-FK1E470P	Panasonic	CAP, AL, 47 µF, 25 V, +/- 20%, 0.36 ohm, AEC-Q200 Grade 2, SMD	SMT Radial D
C8	1	0.1uF	08055C104JAT2A	AVX	CAP, CERM, 0.1 µF, 50 V, +/- 5%, X7R, 0805	0805
C9	1	56uF	EEUFC1V560	Chemi-Con	CAP, AL, 56 µF, 35 V,	D5xL11.5mm
C10	1	3300pF	DE1E3KX332MN4AP01F	MuRata	CAP, CERM, 3300 pF, 300VAC, Y1	D10xT7mm
C11	1	DNP	06035A100JAT2A	AVX	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0603	0603
C12	1	DNP	C0603C470J5GACTU	Kemet	CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C13	1	4.7uF	GRM21BR71A475KA73L	MuRata	CAP, CERM, 4.7 µF, 10 V, +/- 10%, X7R, 0805	0805
C14	1	2.2uF	GRM31CR71H225KA88L	MuRata	CAP, CERM, 2.2 µF, 50 V, +/- 10%, X7R, 1206	1206
D1, D6	2	200V	SS1200-LTP	Micro Commercial Component	Diode, Schottky, 200 V, 1 A, SMA	SMA
D2	1	20V	BZX84C20LT1G	ON Semiconductor	Diode, Zener, 20 V, 225 mW, SOT-23	SOT-23
D3	1	140V	SMBJ140A-13-F	Diodes Inc.	Diode, TVS, Uni, 140 V,	SMB
D4	1	600V	MB6S	Micro Commercial Component	Diode, Switching-Bridge, 600 V, 0.5 A, TO269AA	TO269AA
D5	1	600V	US1J-13-F	Diodes Inc.	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D7	1	24V	BZX84C24LT1G	ON Semiconductor	Diode, Zener, 24 V, 225 mW, SOT-23	SOT-23
D8	1	200V	BAV21W-7-F	Diodes Inc.	Diode, Switching, 200 V, 0.2 A, SOD-123	SOD-123
FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
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
H9, H10, H11, H12	4		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
L1, L2	2	1mH	744732102	Würth Elektronik	Inductor, Wirewound, Ferrite, 1 mH, 0.33 A, 3.4 ohm, TH	D9.5xH8mm
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
R1	1	DNP	RC1206FR-07120KL	Yageo America	RES, 120 k, 1%, 0.25 W, 1206	1206
R2, R7	2	10k	CRCW080510K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.125 W, 0805	0805
R3	1	10 ohm	B57236S0100M000	EPCOS Inc	Thermistor NTC, 10 ohm, 20%, Disc_11.5mmx6mm	Disc_11.5mmx6mm
R4, R6	2	10.0k	RC1206FR-0710KL	Yageo America	RES, 10.0 k, 1%, 0.25 W, 1206	1206
R5	1	0	CRCW120610R0JNEA	Vishay-Dale	RES, 10, 5%, 0.25 W, 1206	1206
R8	1	10	CRCW080533R0JNEA	Vishay-Dale	RES, 10, 5%, 0.125 W, 0805	0805
R9	1	110k	CRCW0603110KFKEA	Vishay-Dale	RES, 110 k, 1%, 0.1 W, 0603	0603
R10	1	30.9k	CRCW060330K9FKEA	Vishay-Dale	RES, 30.9 k, 1%, 0.1 W, 0603	0603
R11	1	1.50k	CRCW06031K50FKEA	Vishay-Dale	RES, 1.50 k, 1%, 0.1 W, 0603	0603
R12	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R13	1	332k	CRCW0603332KFKEA	Vishay-Dale	RES, 332 k, 1%, 0.1 W, 0603	0603
R14	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
T1	1	1.3mH	750316710	Würth Elektronik	Transformer, 1300 uH, TH	24.38x20.32mm
TP1, TP5, TP7	3	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP2	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint

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TP3, TP4, TP6	3		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28910DR	Texas Instruments	High-Voltage Flyback Switcher with Primary-Side Regulation and Constant-Current Control, D0007A	D0007A
U2	1		LP2951-33DRGR	Texas Instruments	Adjustable Micropower Voltage Regulators with Shutdown, DRG0008A (WSON-8)	DRG0008A

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