

Variant: 001
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PMP4190 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB	1		PMP4190	Any	Printed Circuit Board	
2	C2, C7	4	22uF	GRM32ER71A226ME20L	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, 1210	1210
3	C3	2	1000pF	C0603C102K5RACTU	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
4	C9	2	4700pF	1812GC472KA1	AVX	CAP, CERM, 4700 pF, 2000 V, +/- 10%, X7R, 1812	1812
5	C10	2	0.1uF	C1608X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
6	C14	2	100pF	CL10B101KB8NNNC	Samsung Electro-Mechanics	CAP, CERM, 100 pF, 50 V,+/- 10%, X7R, 0603	0603
7	C16	2	1uF	CGJ3E1X7R1E105K080AC	TDK	CAP, CERM, 1 uF, 25 V,+/- 10%, X7R, 0603	0603
8	C17	2	0.01uF	885012206089	Würth Elektronik	CAP, CERM, 0.01 uF, 50 V,+/- 10%, X7R, 0603	0603
9	C20	2	4.7uF	885012207025	Würth Elektronik	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X7R, 0805	0805
10	C100	2	0.022uF	C0603X223K5RACTU	Kemet	CAP, CERM, 0.022 uF, 50 V, +/- 10%, X7R, 0603	0603
11	D1	2	100V	ES1B-13-F	Diodes Inc.	Diode, Superfast Rectifier, 100 V, 1 A, SMA	SMA
12	D2	2		RBS1LAM40ATR	Rohm	DIODE SCHOTTKY 20V 1A PMDTM	SOD128
13	D3	2	100V	BAS16LT1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOT-23	SOT-23
14	J1, J2	4		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
15	R1	2	1.00k	RC1206FR-071KL	Yageo America	RES, 1.00 k, 1%, 0.25 W, 1206	1206
16	R4	2	10.0	RC0603FR-0710RL	Yageo	RES, 10.0, 1%, 0.1 W, 0603	0603
17	R5	2	90.9k	RC0603FR-0790K9L	Yageo	RES, 90.9 k, 1%, 0.1 W, 0603	0603
18	R11	2	1.00k	RC0603FR-071KL	Yageo	RES, 1.00 k, 1%, 0.1 W, 0603	0603
19	R12	2	2.00k	RC0603FR-072KL	Yageo	RES, 2.00 k, 1%, 0.1 W, 0603	0603
20	R13, R23	4	20.0k	RC0603FR-0720KL	Yageo	RES, 20.0 k, 1%, 0.1 W, 0603	0603
21	R15, R17	4	499	RC0603FR-07499RL	Yageo	RES, 499, 1%, 0.1 W, 0603	0603
22	R22	2	10.0k	RC0603FR-0710KL	Yageo	RES, 10.0 k, 1%, 0.1 W, 0603	0603
23	R100	2	49.9k	RC0603FR-0749K9L	Yageo	RES, 49.9 k, 1%, 0.1 W, 0603	0603
24	R101	2	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
25	R201	2	511	RC0603FR-07511RL	Yageo	RES, 511, 1%, 0.1 W, 0603	0603
26	T1	2		G084001LF	GCI Technologies	FLYBACK TRANSFORMER	SMD8
27	TP1, TP3	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
28	TP2, TP4	4		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
29	U2	2		TPS61175PWP	Texas Instruments	3-A High Voltage Boost Converter with Soft-start and Programmable Switching Frequency, PWP0014E (TSSOP-14)	PWP0014E
30	U3	2		TCMT1107	Vishay-Semiconductor	Optocoupler, 3.75 kV, 80-160% CTR, SMT	SOP-4
31	U4	2		TL431AIDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A

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