

PMP30191 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	33uF	EKXG451ELL330MM20S	United-Chemicon	CAP, AL, 33 μ F, 450 V, +/- 20%, TH	D18xL20mm
C5	1	150uF	50ZLH150MEFC10X12.5	Rubycon	CAP, AL, 150 μ F, 50 V, +/- 20%, 0.061 ohm, TH	10x12.5mm
C6	1	0.47uF	GRM21BR72A474KA73L	MuRata	CAP, CERM, 0.47 μ F, 100 V, +/- 10%, X7R, 0805	0805
C9	1	2200pF	DE6E3KJ222MN3A	MuRata	CAP, CERM, 2200 pF, 300 V, +/- 20%, E, TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm
C10, C19	2	100uF	EEU-EB1E101S	Panasonic	CAP, AL, 100 μ F, 25 V, +/- 20%, TH	6.3x11.2mm
C11	1	2.2uF	GRM21BR61E225KA12L	MuRata	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X5R, 0805	0805
C12, C13	2	10uF	885012208069	Wurth Elektronik	CAP, CERM, 10 μ F, 25 V, +/- 10%, X7R, 1206	1206
C15	1	68pF	GRM1885C1H680JA01D	MuRata	CAP, CERM, 68 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
C17, C100	2	0.022uF	GRM188R71H223KA01D	MuRata	CAP, CERM, 0.022 uF, 50 V, +/- 10%, X7R, 0603	0603
C20	1	10uF	GMK316AB7106KL	Taiyo Yuden	CAP, CERM, 10uF, 35V, +/-10%, X7R, 1206	1206
C21	1	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 μ F, 25 V, +/- 5%, X7R, 0603	0603
D1	1	MBRS3201T3G	MBRS3201T3G	ON Semiconductor	Diode, Schottky, 200 V, 3 A, SMC	SMC
D2	1	180V	SMCJ180A	Micro Commercial Components	Diode, TVS, Uni, 180 V, 1500 W, SMC	SMC
D3	1	US1K-13-F	US1K-13-F	Diodes Inc.	Diode, Fast Rectifier, 800 V, 1 A, SMA	SMA
D5, D8	2	SS110-TP	SS110-TP	Micro Commercial Components	Diode, Schottky, 100 V, 1 A, SMA	SMA
D6	1	BAS21	BAS21-TP	Micro Commercial Components	Diode, P-N, 200V, 200A, SOT-23	SOT-23
D10	1	18V	MMSZ5248B-7-F	Diodes Inc.	Diode, Zener, 18V, 500mW, SOD-123	SOD-123
J1, J5	2		1715721	Phoenix Contact	Terminal Block, 5.08 mm, 2x1, TH	2POS Terminal Block
J4	1		1715734	Phoenix Contact	TERM BLOCK 3POS 5.08MM, TH	15.24x13.8x9.8mm
Q1	1	IPP80R1K4P7	IPP80R1K4P7	Infineon Technologies	MOSFET, N-CH, 800V, 4A, TO-220AB	TO-220AB
R4	1	0	CRCW0603000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R5	1	48.7k	RC0603FR-0748K7L	Yageo America	RES, 48.7 k, 1%, 0.1 W, 0603	0603
R6	1	15.0k	CRCW060315K0FKEA	Vishay-Dale	RES, 15.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7	1	49.9	RC0603FR-0749R9L	Yageo America	RES, 49.9, 1%, 0.1 W, 0603	0603
R8, R16	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R9	1	1.00	CRCW12101R00FKEAHP	Vishay-Dale	RES, 1.00, 1%, 0.75 W, AEC-Q200 Grade 0, 1210	1210
R10	1	1.50k	RC0603FR-071K5L	Yageo America	RES, 1.50 k, 1%, 0.1 W, 0603	0603
R13	1	332k	RC0603FR-07332KL	Yageo America	RES, 332 k, 1%, 0.1 W, 0603	0603
R20	1	221k	CRCW0603221KFKEA	Vishay-Dale	RES, 221 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R21	1	562k	RC0603FR-07562KL	Yageo America	RES, 562 k, 1%, 0.1 W, 0603	0603
R24	1	44.2k	RT0603DRE0744K2L	Yageo America	RES, 44.2 k, 0.5%, 0.1 W, 0603	0603
R100	1	39.2k	RC0603FR-0739K2L	Yageo America	RES, 39.2 k, 1%, 0.1 W, 0603	0603
R101	1	150k	CRCW0603150KFKEA	Vishay-Dale	RES, 150 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R?	1	22.1k	RG1608P-2212-B-T5	Susumu Co Ltd	RES, 22.1 k, 0.1%, 0.1 W, 0603	0603
T1	1	1mH	750316596	Würth Elektronik	Transformer, 1000 uH, TH	25x22.2mm
TP1	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP3	1	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
U1	1	UCC28740DR	UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A (SOIC-7)	D0007A
U4	1	PC817X4NSZ0F	PC817X4NSZ0F	Sharp Electronics	Opto-Isolator, 1 Channel, TH	DIP-4
U6	1	TL431AIDBZR	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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