

**PMP31338 REV B Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	10uF	C3225X7R1H106M250AC	TDK	CAP, CERM, 10 uF, 50 V, +/- 20%, X7R, 1210	1210
C2	1	0.15uF	GRM31MR71H154KA01L	MuRata	CAP, CERM, 0.15 uF, 50 V, +/- 10%, X7R, 1206	1206
C3	1	0.047uF	08055C473KAT2A	AVX	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, 0805	0805
C4	1	1uF		Kemet	DNP	0805
C5	1	0.1uF	C0805C104J5RACTU	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 5%, X7R, 0805	0805
C6	1	0.015uF	C0805C153K5RACTU	Kemet	CAP, CERM, 0.015 uF, 50 V, +/- 10%, X7R, 0805	0805
C7	1	3300pF	C0603C332K5RACTU	Kemet	CAP, CERM, 3300 pF, 50 V, +/- 10%, X7R, 0603	0603
C8	1	390pF		Kemet	CAP, CERM, 390 pF, 50 V, +/- 10%, X7R, 0603	0603
C9	1	1000pF	C0603X102K5RACTU	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
C10	1	470pF	C0603C471K5RACTU	Kemet	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0603	0603
C11, C17	2	33uF	UCS2W330MHD6	Nichicon	CAP, AL, 33 uF, 450 V, +/- 20%, TH	D18xL20mm
C12	1	0.1uF	B32913C5104K000	TDK	CAP, Film, 0.1 uF, 1000 V, +/- 10%, TH	26.5x7mm
C13	1	2.2uF	08053C225KAT2A	AVX	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X7R, 0805	0805
C14, C15	2	DNP	GCM31MR71E105KA37L	MuRata	DNP	1206
C16	1	330uF	EEE-FK1E331P	Panasonic	CAP, AL, 330 uF, 25 V, +/- 20%, 0.16 ohm, AEC-Q200 Grade 2, SMD	SMT Radial F
D1	1	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	SOD-123
D2	1	1000V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000 V, 1 A, SMA	SMA
D3	1	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
D4, D5	2	1000V	S1MB-13-F	Diodes Inc.	Diode, Standard Recovery Rectifier, 1000 V, 1 A, SMB	SMB
D6	1		CD214B-FS3K		Diode SMB 800V	
L1	1	470uH	MSS1514V-474	Coilcraft	Inductor, Drum Core, Ferrite, 470 uH,	14.8x8.6x14.8mm
L2	1	120uH	7687480120	Würth	WE-TI HV Radial Leaded Wire Wound Inductor (High Voltage) 220uH	RADIAL
Q1	1	MMBT2907	MMBT2907ALT1G	ON Semiconductor	Transistor, PNP, 60 V, 0.6 A, SOT-23	SOT-23
Q2, Q3	2	SMBT 2222A	SMBT 2222A E6327	Infineon Technologies	Transistor, NPN, 40 V, 0.6 A, AEC-Q101, SOT-23	SOT-23
Q4	1		IPD95R2K0P7	Infineon Technologies	Trans MOSFET N-CH 950V 4A 3-Pin(2+Tab) DPAK T/R	DPAK
R1	1	0	CRCW08050000Z0EAHP	Vishay-Dale	RES, 0, 5%, 0.333 W, 0805	0805
R2, R3, R4	3	0	RC0603FR-07140KL	Yageo	RES,	0603
R5	1	3.01k	RC0603FR-073K01L	Yageo	RES, 3.01 k, 1%, 0.1 W, 0603	0603
R6, R14	2	DNP	RC0603FR-07140KL	Yageo	RES,	0603
R7, R13	2	1.00k	RC0603FR-071KL	Yageo	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R8, R11, R15, R17	4	499k	CRCW1206499KFKEA	Vishay-Dale	RES, 499 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R9	1	71.5k	CRCW060371K5FKTA	Vishay Dale	71.5 kOhms ±1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	0603
R10	1	6.49k	CRCW06036K49FKEA	Vishay-Dale	RES, 6.49 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R12	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R16	1	16.9k	RC0603FR-0716K9L	Yageo	RES, 16.9 k, 1%, 0.1 W, 0603	0603
R18	1	10	CRCW080510R0JNEA	Vishay-Dale	RES, 10, 5%, 0.125 W, 0805	0805
R19	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R20	1	0.82	ERJ-8RQFR82V	Panasonic	RES, 0.82, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R21	1	10 ohm	FKN3WSJT-73-10R		Industrial Axial Cemented Leaded Wirewound Resistors 5%	AXIAL
R22	1	DNP	DNP	Panasonic	RES, 0.56, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R23, R24, R28, R29	4	1.0Meg	CRCW12061M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R25	1		V20H510AUTO	Littelfuse	820V 10kA Varistor 1 Circuit Through Hole Disc 20mm	RADIAL
R26, R27	2	3.01k	CRCW08053K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP1, TP3, TP4	3		5000	Keystone Electronics	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2	1		5125	Keystone Electronics	Test Point, Multipurpose, Brown, TH	Brown Multipurpose Testpoint
TP5	1		5127	Keystone Electronics	Test Point, Multipurpose, Blue, TH	Blue Multipurpose Testpoint
TP6	1		5001	Keystone Electronics	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC287502DBV	Texas Instruments	Continuous Conduction Mode (CCM) Secondary Side Regulated (SSR) Current-Mode Offline Flyback Controller	SOT23-6
U2	1		TL431	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 125 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A
XF1	1	2A 1kV	56000001009	Littelfuse	Fuse Holder, TR5, TH	TR5 Fuse Holder

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