

PMP30276 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C3	2	15uF	EEU-EE2V150	Used in BOM report	CAP, [Technology], 15uF, 350V, +/-xx%, xxOhm ESR, [MountType]	Used in PnP output and some BOM reports
C2	1	DNP	DNP	TDK	CAP, Film	26.5x10.5mm
C4	1	0.22uF	R474N322050A1K	TDK	CAP, Film, 0.22 μF, 440VAC,+/- 10%, TH	26.5x10.5mm
C5	1	180uF	16SVPF180M	Panasonic	CAP, Aluminum Polymer, 180 μF, 16 V,+/- 20%, 0.022 ohm, F61 SMD	F61
C6, C9, C10, C12	4	DNP	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	Used in PnP output and some BOM reports
C7	1	4.7uF	C3216X7R1H475K160AC	TDK	CAP, CERM, 4.7 μF, 50 V,+/- 10%, X7R, 1206	1206
C8	1	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1 μF, 50 V, +/- 10%, X7R, 0603	0603
C11	1	0.022uF	C0603C223K5RACTU	Kemet	CAP, CERM, 0.022 μF, 50 V,+/- 10%, X7R, 0603	0603
C13	1	0.047uF	C1608X7R1H473K080AA	TDK	CAP, CERM, 0.047 μF, 50 V,+/- 10%, X7R, 0603	0603
C14, C15	2	4700pF	DE2E3KY472MB3BM02F	MuRata	CAP, CERM, 4700 pF, X1 250 VAC/Y2 300 VAC, +/- 20%, E, 10x5x13mm	10x5x13mm
C101	1	470uF	EEHZK1E471P	Panasonic	CAP, Polymer Hybrid, 470 μF, 25 V,	10x10
C102	1	1uF	GRM21BR71E105KA99L	MuRata	CAP, CERM, 1 μF, 25 V,+/- 10%, X7R, 0805	0805
D1	1	800V	MB8S-TP	Micro Commercial Component	Diode, Switching-Bridge, 800 V, 0.5 A, TO269AA	TO269AA
D2	1	180V	SMCJ180A-TP	Micro Commercial Component	Diode, TVS, Uni, 180 V,	SMC
D3	1		MBRD5150TR	SMC Diode Solutions	Diode, Schottky, 150V, 5A, [PackageReference]	Used in PnP output and some BOM reports
D4	1	800V	US1K-13-F	Diodes Inc.	Diode, Fast Rectifier, 800 V, 1 A, SMA	SMA
D5	1	200V	ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200 V, 1 A, SMA	SMA
D101	1	30V	BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
F1	1		37205000001	Littelfuse	Fuse, 0.5 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
L1	1	220uH	768772221	Würth Elektronik	Inductor, Unshielded Drum Core, Powdered Iron, 220	Dia 8x10mm
L2	1	3.3mH	744822233	Würth Elektronik	Coupled inductor, 3300uH, 1.5 A	14.7x13mm
Q1	1	800V	IPD80R4K5P7ATMA1	Infineon Technologies	MOSFET, N-CH, 800 V, DPAK	DPAK
R1, R2, R4, R5	4	1.5Meg	CRCW08051M50JNEA	Vishay-Dale	RES, 1.5 M, 5%, 0.125 W, 0805	0805
R3	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
R6	1	0	CRCW25120000Z0EG	Vishay-Dale	RES, 0, 5%, 1 W, AEC-Q200 Grade 0, 2512	2512
R7	1	33	CRCW080533R0JNEA	Vishay-Dale	RES, 33, 5%, 0.125 W, 0805	0805
R8	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R9	1	121k	CRCW0603121KFKEA	Vishay-Dale	RES, 121 k, 1%, 0.1 W, 0603	0603
R10	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R11	1	10.0	RC0805FR-0710RL	Yageo America	RES, 10.0, 1%, 0.125 W, 0805	0805
R12	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R13	1	1.33k	CRCW06031K33FKEA	Vishay-Dale	RES, 1.33 k, 1%, 0.1 W, 0603	0603
R14	1	30.1k	CRCW060330K1FKEA	Vishay-Dale	RES, 30.1 k, 1%, 0.1 W, 0603	0603
R15	1	3.01k	CRCW06033K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, 0603	0603

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R16, R17, R21	3	DNP	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
R18	1	1.20	ERJ-6RQF1R2V	Panasonic	RES, 1.20, 1%, 0.125 W, 0805	0805
R19	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R20	1	13.0k	CRCW060313K0FKEA	Vishay-Dale	RES, 13.0 k, 1%, 0.1 W, 0603	0603
R22	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R101	1	100k	CRCW0805100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.125 W, 0805	0805
T1	1	1.5mH	750370833	Würth Elektronik	Transformer, 1500 uH, TH	21.24x20.78mm
TP1, TP2, TP3, TP5	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4, TP6	2		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A	D0007A
U2	1		FOD817A	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, TH	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U3	1		ATL431AIDBZR	Texas Instruments	2.5V Low Iq Adjustable Precision Shunt Regulator, DBZ0003A (SOT-23-3)	DBZ0003A

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