

**PMP30280 REV B Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2	2	100uF	EKXG401ELL101MMN3S	Chemi-Con	CAP, AL, 100 µF, 400 V, +/- 20%, TH	D18xL31.5mm
C3	1	0.22uF	B32922C3224K	TDK	CAP, Film, 0.22 µF, 630 V,+/- 10%, TH	B32922_12.5mm
C4	1	330uF	875115250001	Würth Elektronik	CAP, Aluminum Polymer, 330 µF, 10 V,+/- 20%, 0.02 ohm, D8xL7.7mm SMD	D8xL7.7mm
C5	1	1000pF	C0805C102JBRACU	Kemet	CAP, CERM, 1000 pF, 630 V,+/- 5%, X7R, 0805	0805
C6, C101	2	1uF	0805ZC105KAT2A	AVX	CAP, CERM, 1 µF, 10 V,+/- 10%, X7R, 0805	0805
C7	1	47uF	EKZN350ELL470ME11D	Chemi-Con	CAP, AL, 47 µF, 35 V, +/- 20%, 0.38 ohm, TH	D5xL11mm
C8	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 µF, 50 V,+/- 10%, X7R, 0805	0805
C9	1	6.8uF	EEE-FC1V6R8R	Panasonic	CAP, AL, 6.8 µF, 35 V, +/- 20%, 1.8 ohm, SMD	SMT Radial C
C10	1	1uF	08055C105KAT2A	AVX	CAP, CERM, 1 µF, 50 V,+/- 10%, X7R, 0805	0805
C11	1	100pF	06035A101FAT2A	AVX	CAP, CERM, 100 pF, 50 V,+/- 1%, C0G/NPO, 0603	0603
C12	1	0.047uF	C1608X7R1H473K080AA	TDK	CAP, CERM, 0.047 µF, 50 V,+/- 10%, X7R, 0603	0603
C13	1	1uF	08055C105KAT2A	AVX	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, 0805	0805
C14	1	470pF	06035A471JAT2A	AVX	CAP, CERM, 470 pF, 50 V,+/- 5%, C0G/NPO, 0603	0603
C15	1	470pF	08055C471KAT2A	AVX	CAP, CERM, 470 pF, 50 V,+/- 10%, X7R, 0805	0805
C16	1	DNP	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	Used in PnP output and some BOM reports
C17	1	3300pF	DE1E3KX332MN4AP01F	MuRata	CAP, CERM, 3300 pF, X1 250 VAC/Y1 300 VAC, +/- 20%, E, D10xT7mm	D10xT7mm
D1	1	600V	DF04S	Vishay-Semiconductor	Diode, Switching-Bridge, 400 V, 1.5A,	DF-S
D2	1	60V	MBRD580T4G	SMC Diode Solutions	Diode, Schottky, 80 V, DPAK	DPAK
D3	1	600V	US1J-13-F	Diodes Inc.	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D4	1	200V	SS1200-LTP	Micro Commercial Component	Diode, Schottky, 200 V, 1 A, SMA	SMA
D5	1	200V	BAS21-7-F	Diodes Inc.	Diode, Switching, 200 V, 0.2 A, SOT-23	SOT-23
D6	1	24V	MMSZ5252B-7-F	Diodes Inc.	Diode, Zener, 24 V, 500 mW, SOD-123	SOD-123
D101	1	4.7V	BZT52C4V7-13-F	Diodes Inc.	Diode, Zener, 4.7 V, 500 mW, SOD-123	SOD-123
F1	1		37211000001	Littelfuse	Fuse, 1 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
L1	1	SHORT	DNP	Würth Elektronik	Inductor, Unshielded Drum Core, Metal Composite, 680 µH, 0.42 A, 2.2 ohm, TH	D9.0xL8.0mm
L2	1	5mH	744821150	Würth Elektronik	Coupled inductor, 5mH	14.7x13mm
Q1	1	650V	STD9HN65M2	STMicroelectronics	MOSFET, N-CH, 650 V, 5.5 A, DPAK	DPAK
R1, R4	2	249k	CRCW1206249KFKEA	Vishay-Dale	RES, 249 k, 1%, 0.25 W, 1206	1206
R2	1	40.2	CRCW120640R2FKEA	Vishay-Dale	RES, 40.2, 1%, 0.25 W, 1206	1206
R3	1	200k	CRCW1206200KJNEA	Vishay-Dale	RES, 200 k, 5%, 0.25 W, 1206	1206
R5	1	10.0	CRCW080510R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.125 W, 0805	0805
R6	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R7, R10, R14, R18	4	DNP	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
R8	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R9	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R11	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R12	1	475	CRCW0603475R5FKEA	Vishay-Dale	RES, 475, 1%, 0.1 W, 0603	0603
R13	1	2.0k	CRCW06032K00JNEA	Vishay-Dale	RES, 2.0 k, 5%, 0.1 W, 0603	0603
R15	1	51.1k	CRCW060351K1FKEA	Vishay-Dale	RES, 51.1 k, 1%, 0.1 W, 0603	0603
R16	1	60.4k	CRCW060360K4FKEA	Vishay-Dale	RES, 60.4 k, 1%, 0.1 W, 0603	0603
R17	1	0.47	ERJ-8RQFR47V	Panasonic	RES, 0.47, 1%, 0.25 W, 1206	1206
R19	1	35.7k	CRCW060335K7FKEA	Vishay-Dale	RES, 35.7 k, 1%, 0.1 W, 0603	0603

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R101	1	3.0k	CRCW08053K00JNEA	Vishay-Dale	RES, 3.0 k, 5%, 0.125 W, 0805	0805
R102	1	9.76k	CRCW06039K76FKEA	Vishay-Dale	RES, 9.76 k, 1%, 0.1 W, 0603	0603
T1	1	2mH	750317021	Würth Elektronik	Transformer, 2000 uH, TH	33x26.3mm
TP1, TP3	2		1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP2, TP4	2	Double	1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP5, TP7	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP6, TP8	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		LM5021MM-1/NOPB	Texas Instruments	AC-DC Current Mode PWM Controller, 8-pin MSOP, Pb-Free	MUA08A
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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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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