

## PMP30428 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	560uF	16SVF560M	Panasonic	CAP, Aluminum Polymer, 560 $\mu$ F, 16 V,+/- 20%, 0.014 ohm, 8x11.9 SMD	8x11.9
C3	1	1uF	C0805C105K4RACTU	Kemet	CAP, CERM, 1 $\mu$ F, 16 V,+/- 10%, X7R, 0805	0805
C4, C8	2	47uF	UVZ2F470MHD	Nichicon	CAP, AL, 47 $\mu$ F, 315 V, +/- 20%, TH	D16xL25mm
C5, C7	2	2200pF	VY2222M35Y5UG6TV5	Vishay-Bccomponents	CAP, CERM, 2200 pF, X1 440 VAC/Y2 300 VAC, +/- 20%, Y5U, Body9x5mm	Body9x5mm
C6	1	0.1uF	ECQ-E4104JF	Panasonic	CAP, Film, 0.1 uF, 400 V,+/- 5%, TH	12x6.3mm
C9, C10	2	2.2uF	C0805C225K8RACTU	Kemet	CAP, CERM, 2.2 $\mu$ F, 10 V,+/- 10%, X7R, 0805	0805
C11	1	0.1uF	GRM219R71C104KA01D	MuRata	CAP, CERM, 0.1 $\mu$ F, 16 V,+/- 10%, X7R, 0805	0805
C12	1	2200pF	CD45-E2GA222M-NKA	TDK	CAP, CERM, 2200 pF, X1 440 VAC/Y1 400 VAC, +/- 20%, E, D9xT6mm	D9xT6mm
C13	1	3.3uF	C3216X7R1H335K160AC	TDK	CAP, CERM, 3.3 $\mu$ F, 50 V,+/- 10%, X7R, 1206	1206
C14	1	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 $\mu$ F, 50 V,+/- 10%, X7R, 0603	0603
C15	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
D1	1	150V	MBRD5150	ON Semiconductor	Diode, Schottky, 150V, DPAK	DPAK
D2	1	15V	MMSZ5245BS-7-F	Diodes Inc.	Diode, Zener, 15 V, 200 mW, SOD-323	SOD-323
D3	1	1000V	ABS10-G	Comchip Technology	Diode, Switching-Bridge, 1000 V, 1 A, 6.2x5.0mm	6.2x5.0mm
D5	1	60V	MBR0560-TP	Micro Commercial Component	Diode, Schottky, 60 V, 3 A, SOD-123	SOD-123
D6	1	300V	ES1F	Diodes Inc.	Diode, Superfast Rectifier, 400 V, 1 A, SMA	SMA
D7	1	200V	BAS21-7-F	Diodes Inc.	Diode, Switching, 200 V, 0.2 A, SOT-23	SOT-23
D8	1	20V	MMSZ5250B-7-F	Diodes Inc.	Diode, Zener, 20 V, 500 mW, SOD-123	SOD-123
D101	1	130V	SMCJ130A-TP	Micro Commercial Component	Diode, TVS, Uni, 130 V, SMC	SMC
D102	1	600V	US1J-13-F	Diodes Inc.	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
L1, L3	2	220uH	7447462221	Würth Elektronik	Inductor, Unshielded Drum Core, Ferrite, 220 uH, 0.5 A, 0.96 ohm, TH	D6 x 8.5mm
L2	1	10mH	744862100	Würth Elektronik	Coupled inductor, 10 mH, 1.65 ohm, TH	Body 11x17mm
Q1	1	800V	STD4N80K5	STMicroelectronics	MOSFET, N-CH, 800 V, DPAK	DPAK
R1, R7, R11, R12	4	1.0Meg	CRCW08051M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.125 W, 0805	0805
R2, R8, R10	3	2.0Meg	CRCW08052M00JNEA	Vishay-Dale	RES, 2.0 M, 5%, 0.125 W, 0805	0805
R3	1	DNP	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
R6	1	TBD	TBD	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
R13	1	63.4	CRCW060363R4FKEA	Vishay-Dale	RES, 63.4, 1%, 0.1 W, 0603	0603
R14	1	36.5k	CRCW060336K5FKEA	Vishay-Dale	RES, 36.5 k, 1%, 0.1 W, 0603	0603
R15	1	22	CRCW080522R0JNEA	Vishay-Dale	RES, 22, 5%, 0.125 W, 0805	0805
R16	1	105k	CRCW0603105KFKEA	Vishay-Dale	RES, 105 k, 1%, 0.1 W, 0603	0603
R17	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R18	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R19	1	1.21k	CRCW06031K21FKEA	Vishay-Dale	RES, 1.21 k, 1%, 0.1 W, 0603	0603
R20	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, 0603	0603
R21	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R22	1	0.82	ERJ-6RQFR91V	Panasonic	RES, 0.91, 1%, 0.125 W, 0805 current sense	0805
R101	1	20.0	CRCW201020R0FKEF	Vishay-Dale	RES, 20.0, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010

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RV1	1		S14K420	TDK	VARISTOR	15.5x6.1mm
T1	1	600uH	750317406	Wurth Elektronik	Transformer, 600 uH, TH	25x21.5mm
TP1	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		TPS72301DBVR	Texas Instruments	Single Output LDO, 200 mA, Adjustable -10 to -1.2 V Output, -10 to -2.7 V Input, 5-pin SOT-23 (DBV), -40 to 125 degC, Green (RoHS & no Sb/Br)	DBV0005A
U2	1		UCC28700DBVR	Texas Instruments	Constant-Voltage, Constant-Current PWM With Primary-Side Regulation, DBV0006A (SOT-23-6)	DBV0006A

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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