

## PMP30629 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C14, C15	3	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	603
C2, C4, C10, C11, C12, C13	6	4.7uF	C3216X7R1H475K160AC	TDK	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1206	1206
C3	1	22uF	EEE-FK1H220P	Panasonic	CAP, AL, 22 uF, 50 V, +/- 20%, 0.88 ohm, AEC-Q200 Grade 2, SMD	SMT Radial D
C5, C8, R4, R6, R8, R10	6	DNP	DNP	N/A	DNP	603
C6	1	0.039uF	GRM188R71C393KA01D	MuRata	CAP, CERM, 0.039 uF, 16 V, +/- 10%, X7R, 0603	603
C7	1	100pF	GCM1885C2A101JA16D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	603
C9	1	68pF	C0603C680J5GACTU	Kemet	CAP, CERM, 68 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
C100	1	4700pF	VJ1210Y472KXGAT5Z	Vishay-Vitramon	CAP, CERM, 4700 pF, 1000 V, +/- 10%, X7R, 1210	1210
C101, R101, R102	3	DNP	DNP	N/A	DNP	DNP
D1	1	40V	MSS1P4-M3/89A	Vishay-Siliconix	Diode, Schottky, 40 V, 1 A, MicroSMP	MicroSMP
D2	1	100V	US1B-13-F	Diodes Inc.	Diode, Ultrafast, 100 V, 1 A, SMA	SMA
D3	1	DNP	DNP	N/A	DNP	SMA
D4	1	40V	SSA24-E3/61T	Vishay-Semiconductor	Diode, Schottky, 40 V, 2 A, SMA	SMA
D100	1	36V	SMAJ36A	Littelfuse	Diode, TVS, Uni, 36 V, 58.1 Vc, 400 W, 6.9 A, SMA	SMA
D101	1	18V	MMSZ4705T1G	ON Semiconductor	Diode, Zener, 18 V, 500 mW, SOD-123	SOD-123
J1, J2, J3	3		393570002	Molex	Terminal Block, 3.5 mm, 2x1, Tin, TH	Terminal Block, 3.5 mm, 2x1, TH
L1	1	22 ohm @ 100 MHz	742792021	Würth Elektronik	Ferrite Bead, 22 ohm @ 100 MHz, 6 A, 0805	805
L2	1	10uH	744042100	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 10 uH, 1 A, 0.12 ohm, SMD	WE-TPC-M1
R1	1	86.6k	CRCW060386K6FKEA	Vishay-Dale	RES, 86.6 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R2	1	8.45k	CRCW060384K45FKEA	Vishay-Dale	RES, 8.45 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R3	1	12.1k	CRCW060312K1FKEA	Vishay-Dale	RES, 12.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R5	1	154k	CRCW0603154KFKEA	Vishay-Dale	RES, 154 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R7	1	160	CRCW0603160RJNEA	Vishay-Dale	RES, 160, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R9	1	220	CRCW0603220RJNEA	Vishay-Dale	RES, 220, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R11	1	5.36k	CRCW06035K36FKEA	Vishay-Dale	RES, 5.36 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R100, R103, R105	3	0	CRCW20100000Z0EF	Vishay-Dale	RES, 0, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R104	1	12.1	CRCW060312R1FKEA	Vishay-Dale	RES, 12.1, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
T1	1	27uH	750318208	Würth Elektronik Midcom	Transformer 8-Terminal, SMD, Horizontal, EP Style Bobbins, EP7	EP7
TP1	1		5117	Keystone	Test Point, Miniature, Blue, TH	Blue Miniature Testpoint
TP2	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP3	1		5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
U1	1	LM5180NGUR	LM5180NGUR	Texas Instruments	70-VIN PSR Flyback DC/DC Converter With 100-V, 1.5-A Integrated Power MOSFET, NGU0008C (WSON-8)	NGU0008C

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