

PMP30165 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C9	2	0.01uF	C0603C103J5RACTU	Kemet	CAP, CERM, 0.01 μ F, 50 V, +/- 5%, X7R, 0603	0603
C2	1	10uF	EEE-FK1E100R	Panasonic	CAP, AL, 10 μ F, 25 V, +/- 20%, 1.35 ohm, AEC-Q200 Grade 2, SMD	SMT Radial B
C3	1	2200pF	GRM188R71H222KA01D	MuRata	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0603	0603
C4	1	4.7uF	C3216X7R1H475K160AC	TDK	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, 1206	1206
C5	1	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
C6, C18	2	DNP	DNP	Panasonic	CAP, AL, 47 μ F, 16 V, +/- 20%, 0.36 ohm, AEC-Q200 Grade 2, SMD, CAP, AL, 10 μ F, 50 V, +/- 20%, 0.88 ohm, AEC-Q200 Grade 2, SMD	SMT Radial D
C7	1	4.7uF	GRM31CR71C475KA01L	MuRata	CAP, CERM, 4.7 μ F, 16 V, +/- 10%, X7R, 1206	1206
C8, C16, C20, R5	4	DNP	DNP	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference], CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference], CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference], RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
C10	1	0.022uF	GRM188R71H223KA01D	MuRata	CAP, CERM, 0.022 μ F, 50 V, +/- 10%, X7R, 0603	0603
C11	1	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 μ F, 25 V, +/- 10%, X7R, 1210	1210
C12	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
C13	1	1uF	08055C105KAT2A	AVX	CAP, CERM, 1 μ F, 50 V, +/- 10%, X7R, 0805	0805
C14	1	DNP	DNP	Panasonic	CAP, AL, 10 μ F, 25 V, +/- 20%, 1.35 ohm, AEC-Q200 Grade 2, SMD	SMT Radial B
C15	1	2.2uF	GRM31MR71E225KA93L	MuRata	CAP, CERM, 2.2 μ F, 25 V, +/- 10%, X7R, 1206	1206
C17	1	DNP	DNP	MuRata	CAP, CERM, 3300 pF, 300 V, +/- 20%, E, D10xT7mm	D10xT7mm
C19	1	2.2uF	GRM31CR71H225KA88L	MuRata	CAP, CERM, 2.2 μ F, 50 V, +/- 10%, X7R, 1206	1206
D1	1	30V	B130-13-F	Diodes Inc.	Diode, Schottky, 30 V, 1 A, SMA	SMA
D2	1	40V	MBR0540T1G	ON Semiconductor	Diode, Schottky, 40 V, 0.5 A, SOD-123	SOD-123
D3	1	80V	MBR0580-TP	Micro Commercial Component	Diode, Schottky, 80 V, 0.5 A, SOD-123	SOD-123
D101	1	8.2V	BZX84B8V2LT1G	ON Semiconductor	Diode, Zener, 8.2 V, 225 mW, SOT-23	SOT-23
D102	1	13V	BZX84C13LT1G	ON Semiconductor	Diode, Zener, 13 V, 225 mW, SOT-23	SOT-23
D103	1	36V	BZX84C36LT1G	ON Semiconductor	Diode, Zener, 36 V, 225 mW, SOT-23	SOT-23
R1	1	590k	CRCW0603590KFKEA	Vishay-Dale	RES, 590 k, 1%, 0.1 W, 0603	0603
R2	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R3	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R4	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R6	1	9.31k	CRCW06039K31FKEA	Vishay-Dale	RES, 9.31 k, 1%, 0.1 W, 0603	0603
T1	1	150uH	750316586r01	Würth Elektronik	Transformer, 150 uH, TH	25x22.2mm
TP1, TP2, TP4, TP7	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3, TP5, TP6, TP8	4		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		LM5160QPWPRQ1	Texas Instruments	Wide Input 65-V, 1.5-A Synchronous Buck / Fly-Buck Converter, PWP0014A	PWP0014A

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