

PMP30545 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2	2	33uF	ULD2W330MHD6	Used in BOM report	CAP, [Technology], xxxF, xxV, +/-xx%, xxOhm ESR, [MountType]	Used in PnP output and some BOM reports
C3	1	470uF	EEU-FR1V471B	Panasonic	CAP, AL, 470 µF, 35 V, +/- 20%, TH	10x16mm
C4, C7	2	2.2uF	GRM31CR71H225KA88L	MuRata	CAP, CERM, 2.2 µF, 50 V,+/- 10%, X7R, 1206	1206
C5	1	0.1uF	B32921C3104M	TDK	CAP, Film, 0.1 µF, 305 V,+/- 20%, TH	13x6x12mm
C6	1	100uF	EEE-FC1V101P	Panasonic	CAP, AL, 100 µF, 35 V, +/- 20%, 0.15 ohm, SMD	SMT Radial G
C8	1	1500pF	DE2E3KY152MN3AM02F	MuRata	CAP, CERM, 1500 pF, X1 250 VAC/Y2 300 VAC, +/- 20%, E, TH, 2-Leads, Body 7x5mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 7x5mm, Pin Spacing 7.5mm
C9	1	0.1uF	C0805C104J5RACTU	Kemet	CAP, CERM, 0.1 µF, 50 V,+/- 5%, X7R, 0805	0805
C10	1	2.2uF	C2012X7R1H225K125AC	TDK	CAP, CERM, 2.2 µF, 50 V,+/- 10%, X7R, 0805	0805
C11, C13	2	DNP	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	Used in PnP output and some BOM reports
C12	1	0.01uF	C0603C103J5RACTU	Kemet	CAP, CERM, 0.01 µF, 50 V, +/- 5%, X7R, 0603	0603
C14	1	6800pF	C0603C682J5RACTU	Kemet	CAP, CERM, 6800 pF, 50 V,+/- 5%, X7R, 0603	0603
C101	1	2200pF	C0603C222K5RAC	Kemet	CAP, CERM, 2200 pF, 50 V,+/- 10%, X7R, 0603	0603
D1	1	150V	30WQ15FN	Vishay-Semiconductor	Diode, Schottky, 150 V, DPAK	DPAK
D2	1	400V	DF04S-E3	Vishay-Semiconductor	Diode, Switching-Bridge, 400 V, 1 A, DF-S	DF-S
D3	1	150V	SMBJ150A-13-F	Diodes Inc.	Diode, TVS, Uni, 150 V, 243 Vc, SMB	SMB
D4	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMA	SMA
D5, D6	2	150V	STPS1150A	STMicroelectronics	Diode, Schottky, 150 V, 1 A, SMA	SMA
D101	1	30V	MMSZ5256B-7-F	Diodes Inc.	Diode, Zener, 30 V, 500 mW, SOD-123	SOD-123
F1	1		37012000410	Littelfuse	Fuse, 2 A, 250VAC/VDC, TH	8.5x8.0mm
L1	1	33uH	7447713330	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 33 µH, 1.35 A, 0.17 ohm, SMD	SMD
L2	1		DNP	Würth Elektronik	Coupled inductor, 2.2 mH, 0.07 ohm, TH	14.7x13mm
Q1	1	650V	STD9HN65M2	STMicroelectronics	MOSFET, N-CH, 650 V, 5.5 A, DPAK	DPAK
Q2, Q3	2	40 V	MMBT3906	Fairchild Semiconductor	Transistor, PNP, 40 V, 0.2 A, SOT-23	SOT-23
R1, R3, R4	3	1.5Meg	CRCW08051M50JNEA	Vishay-Dale	RES, 1.5 M, 5%, 0.125 W, 0805	0805
R2	1	1.0	SPP1UL1R00JLF	TT Electronics/IRC	RES, 1.0, 5%, 1 W, TH, 2-Leads, Axial, Dia 3.8mm, Pin Spacing 15.2mm	TH, 2-Leads, Axial, Dia 3.8mm, Pin Spacing 15.2mm
R5	1	40.2	CRCW201040R2FKEF	Vishay-Dale	RES, 40.2, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R6	1	10	CRCW080510R0JNEA	Vishay-Dale	RES, 10, 5%, 0.125 W, 0805	0805
R7	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R8, R10, R11	3	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R9	1	82.5k	CRCW060382K5FKEA	Vishay-Dale	RES, 82.5 k, 1%, 0.1 W, 0603	0603
R12	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R13	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R14	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R15	1	1.21k	CRCW06031K21FKEA	Vishay-Dale	RES, 1.21 k, 1%, 0.1 W, 0603	0603
R16	1	30.1k	CRCW060330K1FKEA	Vishay-Dale	RES, 30.1 k, 1%, 0.1 W, 0603	0603
R17, R22	2	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	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, 0603	0603

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R19	1	0.62	ERJ-8RQFR68V	Panasonic	RES, 0.68, 1%, 0.25 W, 1206	1206
R20	1	20.5k	CRCW060320K5FKEA	Vishay-Dale	RES, 20.5 k, 1%, 0.1 W, 0603	0603
R21	1	32.4k	CRCW060332K4FKEA	Vishay-Dale	RES, 32.4 k, 1%, 0.1 W, 0603	0603
R23	1	4.02k	CRCW06034K02FKEA	Vishay-Dale	RES, 4.02 k, 1%, 0.1 W, 0603	0603
R101	1	4.99k	CRCW08054K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.125 W, 0805	0805
T1	1	650uH	750317945	Würth Elektronik	Transformer, 650 uH, TH	25x22.2mm
TP1, TP2, TP4, TP5, TP6, TP7	6		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28742DBVR	Texas Instruments	High-Efficiency Low-Cost Flyback Controller with Secondary-Side Regulation, DBV0006A (SOT-23-6)	DBV0006A
U2	1		TL431AIDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A

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