

## PMP30164 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C6, C8	3	0.1uF	B32921C3104M	EPCOS Inc	CAP, Film, 0.1 $\mu$ F, 305 V, +/- 20%, TH	13x6x12mm
C2	1	0.22uF	B32653A224J	EPCOS Inc	CAP, Film, 0.22 $\mu$ F, 1000 V, +/- 5%, TH	26.50x20.50x11mm
C3, C7	2	22uF	UCS2G220MHD1TO	Nichicon	CAP, AL, 22 $\mu$ F, 400 V, +/- 20%, TH	D12.5xL20mm
C4	1	470uF	EEU-FM1E471LBJ	Panasonic	CAP, AL, 470 $\mu$ F, 25 V, +/- 20%, 0.03 ohm, TH	8.0x20mm
C5, C10	2	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 $\mu$ F, 25 V, +/- 10%, X7R, 1210	1210
C9	1	680uF	10AX680M8X10.8	Rubycon	CAP, AL, 680 $\mu$ F, 10 V, +/- 20%, TH	D8xL10.8mm
C11, C14	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	10uF	10uF 50V X7R	MuRata	CAP, CERM, 10 $\mu$ F, 50 V, +/- 10%, X7R, 1206	1206
C13	1	0.015uF	GRM188R71H153KA01D	MuRata	CAP, CERM, 0.015 $\mu$ F, 50 V, +/- 10%, X7R, 0603	0603
C15	1	0.33uF	GRM219R71H334KA88D	MuRata	CAP, CERM, 0.33 $\mu$ F, 50 V, +/- 10%, X7R, 0805	0805
C16	1	4700pF	C0603C472K5RACTU	Kemet	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0603	0603
C17, C18	2	3300pF	DE1E3KX332MN4AP01F	MuRata	CAP, CERM, 3300 pF, 300 V, +/- 20%, E, D10xT7mm	D10xT7mm
C101	1	2.2uF	GRM219R71C225KE15	MuRata	CAP, CERM, 2.2 $\mu$ F, 16 V, +/- 10%, X7R, 0805	0805
D1, D6	2	800V	MB8S-TP	Micro Commercial Comp	Diode, Switching-Bridge, 800 V, 0.5 A, 4-Pin TO269AA, Body 4.95 x 4.2 mm, Pitch 2.555 mm	4-Pin TO269AA, Body 4.95 x 4.2 mm, Pitch 2.555 mm
D2	1	130V	SMCJ130A-TP	Micro Commercial Comp	Diode, TVS, Uni, 120 V, 1500 W, SMC	SMC
D3	1	200V	MBRS4201T3G	ON Semiconductor	Diode, Schottky, 200 V, 4 A, SMC	SMC
D4	1	15V	1SMA5929BT3G	ON Semiconductor	Diode, Zener, 15 V, 500 mW, SMA	SMA
D5	1	800V	US1K-13-F	Diodes Inc.	Diode, Fast Rectifier, 800 V, 1 A, SMA	SMA
D7	1	100V	MBRS3100T3G	ON Semiconductor	Diode, Schottky, 100 V, 3 A, SMC	SMC
D8	1	400V	US1G-13-F	Diodes Inc.	Diode, Ultrafast, 400 V, 1 A, SMA	SMA
D101	1	6.2V	MMSZ5234B-7-F	Diodes Inc.	Diode, Zener, 6.2 V, 500 mW, SOD-123	SOD-123
D102	1	30V	BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
L1, L2, L3, L4, L5, L6	6	1000uH	7447480102	Würth Elektronik	Inductor, Wirewound, Ferrite, 100 $\mu$ H, 2.4 A, 0.1 ohm, TH	10.5x14.5mm
Q1	1	40 V	DNP	ON Semiconductor	Transistor, NPN, 40 V, 0.6 A, SOT-23	SOT-23
Q2	1	950V	STD6N95K5	STMicroelectronics	MOSFET, N-CH, 950 V, 9 A, DPAK	DPAK
Q3	1	60 V	DNP	Fairchild Semiconductor	Transistor, PNP, 60 V, 0.8 A, SOT-23	SOT-23
R1, R5, R7, R9, R12, R15	6	DNP	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	0805
R2, R3, R8, R13, R16, R17	6	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, 0805	0805
R4, R6, R11, R14	4	3.0Meg	CRCW12063M00JNEA	Vishay-Dale	RES, 3.0 M, 5%, 0.25 W, 1206	1206
R10, R101	2	100	CRCW2512100RFKEG	Vishay-Dale	RES, 100, 1%, 1 W, AEC-Q200 Grade 0, 2512	2512
R18	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R19	1	33	CRCW080533R0JNEA	Vishay-Dale	RES, 33, 5%, 0.125 W, 0805	0805
R20	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R21	1	90.9k	CRCW060390K9FKEA	Vishay-Dale	RES, 90.9 k, 1%, 0.1 W, 0603	0603
R22	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R23	1	DNP	CRCW06032K49FKEA	Vishay-Dale	DNP	0603
R24, R25	2	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R26, R29	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603

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R27	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, 0603	0603
R28	1	10.0k	RCG060310K0FKEA	Vishay Draloric	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R30	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32 k, 1%, 0.1 W, 0603	0603
R31	1	0.56	ERJ-xxx	Panasonic	RES, 0.56 1%, 0.25 W, 1210	1210
R32	1	249k	CRCW0603249KFKEA	Vishay-Dale	RES, 249 k, 1%, 0.1 W, 0603	0603
R33	1	22.1k	CRCW060322K1FKEA	Vishay-Dale	RES, 22.1 k, 1%, 0.1 W, 0603	0603
R102	1	0.68	ERJ-xxx	Panasonic	RES, 0.68 1%, 0.25 W, 1210	1210
R103	1	100k	CRCW0805100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.125 W, 0805	0805
RF1, RF2, RF3	3	0	FW20A10R0JACT-ND	Bourns	RES, 10, 5%, 32W, Fusible, TH, RES, 10, 5%, 2 W, Fusible, TH, RES, 10, 5%, 2 W, Fusible, TH	Axial
RV1, RV2, RV3	3	DNP	S10K275E2	EPCOS Inc	Varistor 275V RMS 10MM Radial, TH	10mm Radial
T1	1	600uH	750316585	Würth Elektronik	Transformer, 600 uH, TH	25x22.2mm
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8	8	Double	1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP9	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP10	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto- Coupler Feedback, D0007A	D0007A
U2	1		FOD817A	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, TH	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U3	1		LMV431AIMFX/NOPB	Texas Instruments	Low-Voltage (1.24V) Adjustable Precision Shunt Regulators, 3-pin SOT-23, Pb-Free	MF03A

DNP = DO NOT POPULATE

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