

PMP30094 REV B Bill of Materials

DNP=DO NOT POPULATE TBD=TO BE DEFINED

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C8, C13	3	0.1uF	B32921C3104M	EPCOS Inc	CAP, Film, 0.1 μ F, 305 V, +/- 20%, TH	13x6x12mm
C2, C3	2	22uF	GRM31CR71A226ME15L	MuRata	CAP, CERM, 22 μ F, 10 V, +/- 20%, X7R, 1206	1206
C4	1	470uF	EEE-FK1A471P	Panasonic	CAP, AL, 470 μ F, 10 V, +/- 20%, 0.16 ohm, SMD	SMT Radial F
C5	1	0.22uF	B32653A224J	EPCOS Inc	CAP, Film, 0.22 μ F, 1000 V, +/- 5%, TH	26.50x20.50x11mm
C6, C9	2	33uF	EKMG401ELL330ML25S	Chemi-Con	CAP, AL, 33 μ F, 400 V, +/- 20%, TH	D16xL25mm
C7	1	1500pF	GRM31BR73A152KW01L	MuRata	CAP, CERM, 1500 pF, 1000 V, +/- 10%, X7R, 1206	1206
C10, R1, R12, R15	4	DNP	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference], RES, xxx ohm, x%, xW, [PackageReference], RES, xxx ohm, x%, xW, [PackageReference], RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
C11	1	100uF	EEE-FC1A101P	Panasonic	CAP, AL, 100 μ F, 10 V, +/- 20%, 0.4 ohm, SMD	SMT Radial E
C12	1	10uF	C3216X7R1C106K160AC	TDK	CAP, CERM, 10 μ F, 16 V, +/- 10%, X7R, 1206_190	1206_190
C14	1	47uF	EEE-FC1V470P	Panasonic	CAP, AL, 47 μ F, 35 V, +/- 20%, 0.4 ohm, SMD	SMT Radial E
C15, D9, D10, R24, R26, R27, R29, R33, R38, R39	10		Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference], Diode, Schottky, xxV, xxA, [PackageReference], Diode, Zener, xxV, xxxmW, [PackageReference], RES, xxx ohm, x%, xW, [PackageReference], RES, xxx ohm, x%, xW, [PackageReference], RES, xxx ohm, x%, xW, [PackageReference], RES, xxx ohm, x%, xW, [PackageReference], RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
C16, C17	2	3300pF	DE1E3KX332MN4AP01F	MuRata	CAP, CERM, 3300 pF, 300 V, +/- 20%, E, D10xT7mm	D10xT7mm
C18	1	470pF	GRM155R71H471KA01D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0402	0402
C19	1	0.047uF	GRM188R71H473KA61D	MuRata	CAP, CERM, 0.047 μ F, 50 V, +/- 10%, X7R, 0603	0603
C20, C21	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
C22	1	0.15uF	C1608X7R1H154K080AB	TDK	CAP, CERM, 0.15 μ F, 50 V, +/- 10%, X7R, 0603	0603
C23	1	22pF	06035A220JAT2A	AVX	CAP, CERM, 22 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
C24	1	1uF	08055C105KAT2A	AVX	CAP, CERM, 1 μ F, 50 V, +/- 10%, X7R, 0805	0805
D1, D4	2	800V	MB8S-TP	Micro Commercial Component	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	80V	8TQ080S	Vishay-Semiconductor	Diode, Schottky, 80V, 8A, DDPAK	DDPAK
D3	1	800V	US1K-13-F	Diodes Inc.	Diode, Fast Rectifier, 800 V, 1 A, SMA	SMA
D5	1	100V	B1100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 1 A, SMA	SMA
D6	1	200V	ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200 V, 1 A, SMA	SMA
D7	1	10V	SMAJ10A	Littelfuse	Diode, TVS, Uni, 10 V, 400 W, SMA	SMA
D8	1	16V	BZX84C16LT1G	ON Semiconductor	Diode, Zener, 16 V, 225 mW, SOT-23	SOT-23
L1, L2, L4, L5, L7, L8	6	1000uH	744772102	Würth Elektronik	Inductor, Wirewound, Ferrite, 1000 μ H, TH	D7.8xL9.5mm
L3	1	short	DO3308P-472MLB	Coilcraft	Inductor, Drum Core, Ferrite, 4.7 μ H, 3.2 A, 0.04 ohm, SMD	DO3308P
L6	1	SHORT	DO1608C-222MLB	Coilcraft	Inductor, Drum Core, Ferrite, 2.2 μ H, 2.3 A, 0.07 ohm, SMD	DO1608C
Q1	1	400 V	FMMT458TA	Diodes Inc.	Transistor, NPN, 400 V, 0.225 A, SOT-23	SOT-23
Q2	1	40 V	MMBT3906-7-F	Diodes Inc.	Transistor, PNP, 40 V, 0.2 A, SOT-23	SOT-23
Q3	1	950V	STB10N95K5	STMicroelectronics	MOSFET, N-CH, 950 V, DDPAK	DDPAK
Q4, Q5	2	40 V	MMBT3904-7-F	Diodes Inc.	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
R2, R6, R10, R13, R17, R20	6	DNP	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	0805

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R3, R4, R11, R18, R21, R22	6	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, 0805	0805
R5, R8	2	976k	CRCW1206976KFKEA	Vishay-Dale	RES, 976 k, 1%, 0.25 W, 1206	1206
R7	1	330	CRCW2010330RJNEF	Vishay-Dale	RES, 330, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R9	1	100k	CRCW2010100KFKEF	Vishay-Dale	RES, 100 k, 1%, 0.75 W, 2010	2010
R14, R16	2	931k	CRCW1206931KFKEA	Vishay-Dale	RES, 931 k, 1%, 0.25 W, 1206	1206
R19	1	30.1	CRCW080530R1FKEA	Vishay-Dale	RES, 30.1, 1%, 0.125 W, 0805	0805
R23	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R25, R35	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R28	1	324k	CRCW0603324KFKEA	Vishay-Dale	RES, 324 k, 1%, 0.1 W, 0603	0603
R30	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R31	1	TBD	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
R32	1	10.0k	RCG060310K0FKEA	Vishay Draloric	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R34	1	2.05k	CRCW06032K05FKEA	Vishay-Dale	RES, 2.05 k, 1%, 0.1 W, 0603	0603
R36	1	1.13k	CRCW06031K13FKEA	Vishay-Dale	RES, 1.13 k, 1%, 0.1 W, 0603	0603
R37	1	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, 0603	0603
R40	1	24.3k	RC0603FR-0724K3L	Yageo America	RES, 24.3 k, 1%, 0.1 W, 0603	0603
R41	1	1.20	ERJ-6RQF1R2V	Panasonic	RES, 1.20, 1%, 0.125 W, 0805	0805
R42	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32 k, 1%, 0.1 W, 0603	0603
RF1, RF2, RF3	3	10	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	1.1mH	750316395	Würth Elektronik	Transformer, 1100 uH, TH	25x22.2mm
TP1, TP3	2		1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP2, TP4, TP6, TP8	4	Double	1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP5, TP9, TP10	3		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP7	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28600D	Texas Instruments	Quasi-Resonant Flyback Green-Mode Controller with Current Control, 99 % Duty Cycle, -40 to +105 degC, 8-pin SOIC (D), Green (RoHS & no Sb/Br)	D0008A
U2	1		FOD817AS	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, SMT	DIP-4L Gullwing
U3	1		LMV431AIMF/NOPB	Texas Instruments	Low-Voltage (1.24V) Adjustable Precision Shunt Regulators, 3-pin SOT-23, Pb-Free	MF03A

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