

PMP30092 REV B Bill of Materials

DNP=DO NOT POPULATE

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C2	1	0.33uF	B32922C3334M	TDK	CAP, Film, 0.33 μ F, 630 V, +/- 20%, TH	B32922_14.5mm
C3	1	DNP	DNP	Nichicon	CAP, AL, 27 μ F, 400 V, +/- 20%, TH	12.5x20mm
C4	1	270uF	LGW2G271MELB35	Nichicon	CAP, AL, 270 μ F, 400 V, +/- 20%, TH	D30xL35mm
C5	1	10pF	12062A100JAT2A	AVX	CAP, CERM, 10 pF, 200 V, +/- 5%, C0G/NP0, 1206	1206
C6, C7	2	680uF	UHW1V681MPD6	Nichicon	CAP, AL, 680 μ F, 35 V, +/- 20%, 0.019 ohm, TH	TH, 2-Leads, 10.5x22mm, Pin Spacing 5mm
C8	1	470uF	UHW1V471MPD	Nichicon	CAP, AL, 470 μ F, 35 V, +/- 20%, 0.03 ohm, TH	D10xL16mm
C9	1	1uF	C3216X7R1H105K160AB	TDK	CAP, CERM, 1 μ F, 50 V, +/- 10%, X7R, 1206	1206
C10	1	1000pF	GRM31BR72J102KW01L	MuRata	CAP, CERM, 1000 pF, 630 V, +/- 10%, X7R, 1206	1206
C11	1	33uF	EEE-FC1V330P	Panasonic	CAP, AL, 33 μ F, 35 V, +/- 20%, 0.4 ohm, SMD	SMT Radial E
C12	1	1uF	C1206C105K3RACTU	Kemet	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 1206	1206
C13	1	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
C14	1	DNP	Used in BOM report	Used in BOM report	CAP, [Technology], xxxF, xxV, +/-xx%, xxOhm ESR, [MountType]	Used in PnP output and some BOM reports
C15	1	0.1uF	08055C104KAT2A	AVX	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0805	0805
C16	1	150pF	C0603C151J5GACTU	Kemet	CAP, CERM, 150 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C17	1	3300pF	DE1E3KX332MN4AP01F	MuRata	CAP, CERM, 3300 pF, 300 V, +/- 20%, E, D10xT7mm	D10xT7mm
C101	1	DNP	GRM31BR72J102KW01L	MuRata	CAP, CERM, 1000 pF, 630 V, +/- 10%, X7R, 1206	1206
D1	1	600V	GBU606	Diodes Inc.	Diode, Switching-Bridge, 600 V, 6 A, TH	GBU
D2	1	85V	SMCJ85A	Littelfuse	Diode, TVS, Uni, 85 V, 1500 W, SMC	SMC
D3	1	100V	SMCJ100A	Littelfuse	Diode, TVS, Uni, 100 V, 1500 W, SMC	SMC
D4	1	600V	MURS160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 2 A, SMB	SMB
D5	1	30V	MMSZ5255B-7-F	Diodes Inc.	Diode, Zener, 30 V, 500 mW, SOD-123	SOD-123
D6, D7	2	1000V	1N4007	Fairchild Semiconductor	Diode, P-N, 1000 V, 1 A, TH	DO-41
D8	1	100V	ES1B-13-F	Diodes Inc.	Diode, Superfast Rectifier, 100 V, 1 A, SMA	SMA
D9	1		BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100 V, 0.25 A, SOD-323	SOD-323
D10	1	200V	MBR20200CTTU	Fairchild Semiconductor	Diode, Schottky, 200 V, 10 A, TH	TO-220AB
D11	1	70V	BAV70-E3-08	Vishay-Semiconductor	Diode, Switching, 70 V, 0.25 A, AEC-Q101, SOT-23	SOT-23
F1	1		37213150001	Littelfuse	Fuse, 3.15 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
H1	1		SK 178 30 SA	Fischer	HEATSINK, Fischer, 7K/W	35x16x30mm
H2, H3	2		V6560X	Assman WSW	HEATSINK, ALUM, ANOD, for TO-220	29x12mm
H4	1		573300D00010G	Aavid	Heatsink, DDPak/TO-263, SMT	Heatsink, DDPak
L1, L3	2	47uH	DO5040H-473MLB	Coilcraft	Inductor, Drum Core, Ferrite, 47 μ H, 3.7 A, 0.05 ohm, SMD	DO5040H
L2	1	10mH	744825510	Würth Elektronik	Coupled inductor, 10 mH, 5 A, 0.055 ohm, TH	30x35x21mm
L101	1	1mH	744823601	Würth Elektronik	Coupled inductor, 1 mH, 6 A, 0.013 ohm, TH	13x22x17.5mm
Q1	1	800V	IPA80R650	Infineon Technologies	MOSFET, N-CH, 800 V, TO-220AB	TO-220AB
Q2	1	DNP	DNP	ON Semiconductor	Transistor, PNP, 150 V, 0.5 A, SOT-23	SOT-23
R1	1	20	CRCW251220R0JNEG	Vishay-Dale	RES, 20, 5%, 1 W, AEC-Q200 Grade 0, 2512	2512
R2	1	20.0k	RC0603FR-0720KL	Yageo America	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R3	1	10.0	CRCW080510R0FKFA	Vishay-Dale	RES, 10.0, 1%, 0.125 W, 0805	0805
R4, R7	2	100k	CRCW1206100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.25 W, 1206	1206
R5	1	4.99	RC0805FR-074R99L	Yageo America	RES, 4.99, 1%, 0.125 W, 0805	0805
R6	1	1k	STD	Vishay-Dale	RES, 1k, 5%, 0.125 W, 0805	0805
R8	1	47	ERJ-6GEYJ470V	Panasonic	RES, 47, 5%, 0.125 W, 0805	0805

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R9	1	DNP	DNP	Vishay-Dale	RES, 100, 1%, 0.125 W, 0805	0805
R10	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R11	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R12	1	24.3k	CRCW060324K3FKEA	Vishay-Dale	RES, 24.3 k, 1%, 0.1 W, 0603	0603
R13	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R14	1	3.92k	CRCW06033K92FKEA	Vishay-Dale	RES, 3.92 k, 1%, 0.1 W, 0603	0603
R15, R16	2	0.3	CSRN2512FKR300	Stackpole Electronics Inc	RES, 0.3, 1%, 2 W, 2512	2512
R17	1	30.9k	CRCW060330K9FKEA	Vishay-Dale	RES, 30.9 k, 1%, 0.1 W, 0603	0603
R18	1	10pF	Used in BOM report	Used in BOM report	Cap, COG, 0603	Used in PnP output and some BOM reports
R19	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
RT1	1	470k ohm	NCP18WM474J03RB	MuRata	Thermistor NTC, 470k ohm, 5%, 0603	0603
RV1	1	430V	B72214S0271K101	TDK	Varistor, 430V, 4.5KA, TH	Disc, 14x5mm
T1	1	250uH	750316326R01	Würth Elektronik	Transformer, 250 uH, TH	TH, 14-Leads, Body 44x36.5mm, Pitch 5mm
TP1, TP2, TP3, TP4	4		1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
U1	1		UCC28633DR	Texas Instruments	High-Power Flyback Controller with Primary-Side Regulation and Peak-Power Mode, D0007A	D0007A
U2	1		UCC24650DBVR	Texas Instruments	200-V Wake-Up Monitor for Fast Transient PSR, DBV0005A	DBV0005A

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