

PMP31164 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2	2	100uF	ESMQ451VSN101MP25S	Chemi-Con	CAP, AL, 100 uF, 450 V, +/- 20%, TH	Cap 22x25mm
C3, C4, C5	3	0.1uF	ECQ-U2A104ML	Panasonic	CAP, Film, 0.1 uF, 275 V, +/- 20%, TH	17.5x5.5x12.5mm
C6	1	1000pF	C0603C102K5RACTU	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
C7, C13	2	4.7uF	C2012X5R1E475K125AB	TDK	CAP, CERM, 4.7 uF, 25 V, +/- 10%, X5R, 0805	0805
C9	1	0.047uF	06033C473JAT2A	AVX	CAP, CERM, 0.047 uF, 25 V, +/- 5%, X7R, 0603	0603
C10	1	680pF	GRM1885C1H681JA01D	MuRata	CAP, CERM, 680 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C11	1	0.1uF	C1608X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
C12	1	1500pF	GRM1885C1H152JA01D	MuRata	CAP, CERM, 1500 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
D1	1	S3JB-13-F	S3JB-13-F	Diodes Inc.	Diode, Standard, 600 V, 3 A, SMB	SMB
D2	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
D3	1	650V	IDL02G65C5UMA1	Infineon Technologies	Diode, Schottky, 650 V, 2 A, PG-VSON-4	PG-VSON-4
D4	1	200V	BAS20HT1G	ON Semiconductor	Diode, Switching, 200 V, 0.2 A, AEC-Q101, SOD-323	SOD-323
F1	1		37213150001	Littelfuse	Fuse, 3.15 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
J1, J2	2		39357-0002	Molex	Terminal Block, 3.5 mm, 2x1, Tin, TH	Terminal Block, 3.5 mm, 2x1, TH
L1	1	10mH	744823210	Würth Elektronik	Coupled inductor, 10 mH, 2 A, 0.125 ohm, TH	13x22x17.5mm
L2	1	100uH	7447709101	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 100 uH, 2.5 A, 0.1 ohm, SMD	SMD
L3	1	1mH	TBD	TBD	Inductor, Ferrite, 1mH, 0.3 Ohm, te, 330 uH, 4 A(sat), TH	PQ26/20
Q1	1	AOB280A60L	AOB280A60L	Alpha & Omega	MOSFET, N-CH, 650 V, 56 A, DDPAK	DDPAK
R1, R4, R6	3	330k	RC1206FR-07330KL	Yageo America	RES, 330 k, 1%, 0.25 W, 1206	1206
R2	1	2.21	CRCW08052R21FKEA	Vishay-Dale	RES, 2.21, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R3	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5, R7	2	0.25	CSRN2010FKR250	Stackpole Electronics Inc	RES, 0.25, 1%, 1 W, 2010	2010
R8	1	221	CRCW0603221RFKEA	Vishay-Dale	RES, 221, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R9	1	47.0k	RC0603FR-0747KL	Yageo	RES, 47.0 k, 1%, 0.1 W, 0603	0603
R10	1	14.0k	CRCW060314K0FKEA	Vishay-Dale	RES, 14.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R11	1	15.0k	RC0603FR-0715KL	Yageo	RES, 15.0 k, 1%, 0.1 W, 0603	0603
RT1	1	4.7	B57237S0479M000	TDK	Thermistor NTC, 4.70 ohm, 20%, 15x7mm	15x7mm
RV1	1	275VAC	B72220S0271K101	TDK	Varistor 275 VAC, 100 A, TH	Disc 21.5mm
TP1, TP6	2		5000	Keystone Electronics	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP4	2		5012	Keystone Electronics	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
U1	1		UCC28180DR	Texas Instruments	8-PIN CONTINUOUS CONDUCTION MODE (CCM) PFC CONTROLLER, D0008A (SOIC-8)	D0008A

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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