

PMP40467 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2	2	100uF	ELXZ630ELL101MJC5S	Chemi-Con	CAP, AL, 100 µF, 63 V, +/- 20%, AEC-Q200 Grade 2, TH	TH, 2-Leads, Body 10x12.5mm, Pin Spacing 5mm
C3	1	0.01uF	GRM31BR72J103KW01L	MuRata	CAP, CERM, 0.01 µF, 630 V,+/- 10%, X7R, 1206	1206
C4	1	2200pF	GRM31BR72J222KW01L	MuRata	CAP, CERM, 2200 pF, 630 V,+/- 10%, X7R, 1206	1206
C5, C6	2	33uF	URY2G330MRD	Nichicon	CAP, AL, 33 µF, 400 V, +/- 20%, TH	RCAP, 25x12.5mm
C7, C8, C9, C10	4	330uF	APS-160ELL331MJC5S	Chemi-Con	CAP, AL, 330 µF, 16 V, +/- 20%, 0.014 ohm, TH	Cap, 10x12.5mm
C11, C12	2	4.7uF	C3216X7R1H475K160AC	TDK	CAP, CERM, 4.7 µF, 50 V,+/- 10%, X7R, 1206	1206
C13	1	2200pF	GRM2165C1H222FA01D	MuRata	CAP, CERM, 2200 pF, 50 V,+/- 1%, COG/NPO, 0805	0805
C14	1	0.27uF	GRM219R71E274KA01D	MuRata	CAP, CERM, 0.27 µF, 25 V,+/- 10%, X7R, 0805	0805
C15	1	0.027uF	GRM219R71H273KA01D	MuRata	CAP, CERM, 0.027 µF, 50 V,+/- 10%, X7R, 0805	0805
C16	1	2200pF	DE1E3KX222MN5AA01	MuRata	CAP, CERM, 2200 pF, X1 250 VAC/Y1 300 VAC, +/- 20%, E, 10.0x8.0x14.0mm	10.0x8.0x14.0mm
C17	1	0.068uF	890324022017CS	Würth Elektronik	CAP, Film, 0.068 µF, X2 275 VAC, +/- 10%, TH	10x6mm
C18	1	0.1uF	12061C104JAT2A	AVX	CAP, CERM, 0.1 µF, 100 V,+/- 5%, X7R, 1206	1206
C19	1	0.1uF	CC0805KRX7R9BB104	Yageo America	CAP, CERM, 0.1 µF, 50 V,+/- 10%, X7R, 0805	0805
D1	1	300V	MURD530T4G	ON Semiconductor	Diode, Ultrafast, 300 V, 5 A, AEC-Q101, DPAK	DPAK
D2	1	800V	KBP308G-BP	Micro Commercial Component	Diode, Switching-Bridge, 800 V, 3 A, TH	KBPM
D3	1	150V	VS-20CTQ150SPBF	Vishay-Semiconductor	Diode, Schottky, 150 V, 10 A, DDPAK	DDPAK
D4, D7	2	1000V	1N4007	Fairchild Semiconductor	Diode, P-N, 1000 V, 1 A, TH	DO-41
D5	1	200V	MURS120-13-F	Diodes Inc.	Diode, Superfast Rectifier, 200 V, 1 A, SMB	SMB
D6	1	30V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
D8	1	25V	SMBJ5360B-TP	Micro Commercial Component	Diode, Zener, 25 V, 5 W, SMB	SMB
F1	1		39213150000	Littelfuse	Fuse, 3.15 A, 250VAC/VDC, TH	8x8.5x4mm
J1, J2, J3	3		282841-2	TE Connectivity	Terminal Block, 2x1, 5.08mm, TH	10.16x15.2x9mm
L1	1	1uH	74437321010	Würth Elektronik	Inductor, Wirewound, 1 µH, 4 A, 0.041 ohm, SMD	4.06x4.06mm
L2	1	150uH	7447709151	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 150 µH, 2.1 A, 0.2 ohm, SMD	SMD
L3	1	68uH	7447709680	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 68 µH, 3.2 A, 0.06864 ohm, SMD	SMD
L4	1	4mH	744821240	Würth Elektronik	Coupled inductor, 4 mH, 1.5 A, 0.14 ohm, +/- 30%, TH	15 x 18 x 7.5mm
Q1	1	800V	STB12N80ZT4	STMicroelectronics	MOSFET, N-CH, 800 V, 12 A, DDPAK	DDPAK
Q2	1	40 V	MMBT3906-7-F	Diodes Inc.	Transistor, PNP, 40 V, 0.2 A, SOT-23	SOT-23
R1, R2	2	750k	CRCW1206750KJNEA	Vishay-Dale	RES, 750 k, 5%, 0.25 W, 1206	1206
R3, R4	2	560k	PR01000105603JR500	Vishay-Bccomponents	RES, 560 k, 5%, 1 W, AEC-Q200 Grade 0, D2.5xL6.5mm	D2.5xL6.5mm
R5, R7, R8	3	4.02Meg	CRCW12064M02FKEA	Vishay-Dale	RES, 4.02 M, 1%, 0.25 W, 1206	1206
R6	1	56	CRCW080556R0JNEA	Vishay-Dale	RES, 56, 5%, 0.125 W, 0805	0805
R9	1	105k	CRCW0805105KFKEA	Vishay-Dale	RES, 105 k, 1%, 0.125 W, 0805	0805
R10	1	10	CRCW080510R0JNEA	Vishay-Dale	RES, 10, 5%, 0.125 W, 0805	0805
R11, R15	2	1.00k	CRCW08051K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.125 W, 0805	0805
R12	1	169k	CRCW0805169KFKEA	Vishay-Dale	RES, 169 k, 1%, 0.125 W, 0805	0805
R13	1	33.2k	CRCW080533K2FKEA	Vishay-Dale	RES, 33.2 k, 1%, 0.125 W, 0805	0805
R14	1	1.54k	CRCW08051K54FKEA	Vishay-Dale	RES, 1.54 k, 1%, 0.125 W, 0805	0805
R16	1	18.2k	CRCW080518K2FKEA	Vishay-Dale	RES, 18.2 k, 1%, 0.125 W, 0805	0805
R17	1	4.02k	CRCW08054K02FKEA	Vishay-Dale	RES, 4.02 k, 1%, 0.125 W, 0805	0805

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R18	1	249	CRCW0805249RFKEA	Vishay-Dale	RES, 249, 1%, 0.125 W, 0805	0805
R19, R20, R23	3	0.51	CRM2010-FX-R510ELF	Bourns	RES, 0.51, 1%, 1 W, 2010	2010
R21	1	44.2k	CRCW080544K2FKEA	Vishay-Dale	RES, 44.2 k, 1%, 0.125 W, 0805	0805
R22	1	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, 0805	0805
T1	1		BCK-03402L	Shenzhen Jewel Electronic an	Transformer, TH	43.2x36mm
U1	1		UCC28742DBVR	Texas Instruments	High-Efficiency Low-Cost Flyback Controller with Secondary-Side Regulation, DBV0006A (SOT-23-6)	DBV0006A
U2	1		FOD817ASD	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, SMT	DIP-4L Gullwing
U3	1		ATL431AIDBZR	Texas Instruments	2.5V Low Iq Adjustable Precision Shunt Regulator, DBZ0003A (SOT-23-3)	DBZ0003A

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