

PMP40025 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	0.22uF	890324025027CS	Wurth Elektronik	CAP, Film, 0.22 µF, 275 V, +/- 10%, TH	18x6x11.5mm
C2, C3	2	47uF	ESMG451ELL470MLP1S	Chemi-Con	CAP, AL, 47 µF, 450 V, +/- 20%, TH	D16xL35.5mm
C4	1	470uF	EEU-FC1J471	Panasonic	CAP, AL, 470 µF, 63 V, +/- 20%, 0.059 ohm, AEC-Q200 Grade 2, TH	D16xL20mm
C6	1	0.1uF	C0805C104K1RACTU	Kemet	CAP, CERM, 0.1 µF, 100 V, +/- 10%, X7R, 0805	0805
C7, C8	2	4.7uF	GRM319R61H475KA12	MuRata	CAP, CERM, 4.7 µF, 50 V, +/- 10%, X5R, 1206	1206
C9	1	2200pF	DE1E3KX222MA4BL01	MuRata	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, Cap, 7x12x9 mm	Cap, 7x12x9 mm
C10	1	1000pF	C3216C0G2J102J	TDK	CAP, CERM, 1000 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
C11	1	1000pF	08055A102FAT2A	AVX	CAP, CERM, 1000 pF, 50 V, +/- 1%, C0G/NP0, 0805	0805
C12	1	4.7uF	C2012X5R1E475K125AB	TDK	CAP, CERM, 4.7 µF, 25 V, +/- 10%, X5R, 0805	0805
C13	1	1000pF	C1608C0G2A102J080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
C14	1	470pF	GRM31A7U2J471JW31D	MuRata	CAP, CERM, 470 pF, 630 V, +/- 5%, U2J, 1206	1206
C15	1	100uF	ECA-2AM101	Panasonic	CAP, AL, 100 µF, 100 V, +/- 20%, TH	D10xL16mm
D1	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
D3	1	600V	ES1J-LTP	Micro Commercial Component	Diode, Superfast Rectifier, 600 V, 1 A, SMA	SMA
D4	1	200V	BAS20HT1G	ON Semiconductor	Diode, Switching, 200 V, 0.2 A, AEC-Q101, SOD-323	SOD-323
D5	1	30V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
D6	1	600V	FEP16JT	ON Semiconductor	Diode, Ultrafast, 600 V, 4 A, TH	TO-220AB
D7	1	180V	1SMB5955BT3G	ON Semiconductor	Diode, Zener, 180 V, 550 mW, SMB	SMB
D8	1	12V	1SMA5927BT3G	ON Semiconductor	Diode, Zener, 12 V, 1.5 W, SMA	SMA
F1	1		39213150000	Littelfuse	Fuse, 3.15 A, 250VAC/VDC, TH	8x8.5x4mm
J1, J2	2		282841-2	TE Connectivity	Terminal Block, 2x1, 5.08mm, TH	10.16x15.2x9mm
L1	1	33uH	DO3308P-333MLB	Coilcraft	Inductor, Drum Core, Ferrite, 33 µH, 1.2 A, 0.25 ohm, SMD	DO3308P
L2	1	1mH	744821201	Wurth Elektronik	Coupled inductor, 1 mH, 2 A, 0.045 ohm, TH	15 x 18 x 7.5mm
L3	1	600 ohm	FBMH3225HM601NT	Taiyo Yuden	Ferrite Bead, 600 ohm @ 100 MHz, 3 A, 1210	1210
Q1	1	650V	TK11A65D	TOSHIBA	MOSFET, N-CH, 650 V, 11 A, TO-220AB	TO-220AB
Q2	1	60 V	MMBT3906	Fairchild Semiconductor	Transistor, PNP, 60 V, 0.8 A, SOT-23	SOT-23
Q3, Q4	2	40 V	MMBT3904	Fairchild Semiconductor	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
R1	1	100k	CRCW1206100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.25 W, 1206	1206
R2	1	510k	RC0603FR-07510KL	Yageo America	RES, 510 k, 1%, 0.1 W, 0603	0603
R3	1	510k	CRCW0805510KJNEA	Vishay-Dale	RES, 510 k, 5%, 0.125 W, 0805	0805
R4	1	2.00	CRCW08052R00FKEA	Vishay-Dale	RES, 2.00, 1%, 0.125 W, 0805	0805
R5	1	68k	CRCW080568K0JNEA	Vishay-Dale	RES, 68 k, 5%, 0.125 W, 0805	0805
R6	1	390k	RC0603FR-07390KL	Yageo America	RES, 390 k, 1%, 0.1 W, 0603	0603
R7	1	2.00	RC1206FR-072RL	Yageo America	RES, 2.00, 1%, 0.25 W, 1206	1206
R8	1	1.00k	RC1206FR-071KL	Yageo America	RES, 1.00 k, 1%, 0.25 W, 1206	1206
R9	1	27k	CRCW060327K0JNEA	Vishay-Dale	RES, 27 k, 5%, 0.1 W, 0603	0603
R10	1	150k	RC0603FR-07150KL	Yageo America	RES, 150 k, 1%, 0.1 W, 0603	0603
R11, R12	2	0.5	CSR1206FKR500	Stackpole Electronics Inc	RES, 0.5, 1%, 0.5 W, 1206	1206
R13	1	10	CRCW120610R0JNEA	Vishay-Dale	RES, 10, 5%, 0.25 W, 1206	1206
R14	1	100k	CRCW0805100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.125 W, 0805	0805
R15, R16	2	1.0Meg	CRCW12061M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.25 W, 1206	1206
R17	1	10.0k	RC0603FR-0710KL	Yageo America	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R18	1	2.00	CRCW06032R00FKEA	Vishay-Dale	RES, 2.00, 1%, 0.1 W, 0603	0603
R19	1	1.00Meg	RC0603FR-071ML	Yageo America	RES, 1.00 M, 1%, 0.1 W, 0603	0603

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R20	1	100k	RC1206FR-07100KL	Yageo America	RES, 100 k, 1%, 0.25 W, 1206	1206
R21, R22	2	100	RC1206FR-07100RL	Yageo America	RES, 100, 1%, 0.25 W, 1206	1206
T1	1	160uH	750343192	Würth Elektronik	RM10,	TH
U1	1		UCC24650DBVR	Texas Instruments	200-V Wake-Up Monitor for Fast Transient PSR, DBV0005A	DBV0005A
U2	1		UCC28730DR	Texas Instruments	Constant-Voltage Constant-Current Flyback Controller With PSR and Wake-Up Monitoring, D0007A	D0007A

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