

PMP4466 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2	2	12uF	EEUED2G100	Panasonic	CAP, AL, 10 µF, 400 V, +/- 20%, 2.864788 ohm, TH	10x20
C10	1	100pF	DE1B3KX101K	MuRata	CAP, CERM, 100 pF, 250 V, +/- 20%, E, Disc 10x8mm	Disc 10x8mm
C11	1	1uF	C0603C105K3RACTU	Kemet	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603_095	0603_095
C12	1	1000pF	06035A102KAT2A	AVX	CAP, CERM, 1000 pF, 50 V, +/- 10%, C0G/NP0, 0603	0603
C13, C14	2	820uF	APXE6R3ARA821MJ80G	Chemi-Con	CAP, AL, 820 µF, 6.3 V, +/- 20%, 0.014 ohm, SMD	J80
C24	1	0.022uF	C0603X223K5RACTU	Kemet	CAP, CERM, 0.022 µF, 50 V, +/- 10%, X7R, 0603	0603
C3	1	330pF	GRM31A5C2J331JW01D	MuRata	CAP, CERM, 330 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
C4	1	10uF	GMK316AB7106KL-TR	Taiyo Yuden	CAP, CERM, 10 µF, 35 V, +/- 10%, X7R, 1206_190	1206_190
C5	0	0.1uF	C1608X7R1E104K	TDK	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
C6, C23	0	0.022uF	C0603X223K5RACTU	Kemet	CAP, CERM, 0.022 µF, 50 V, +/- 10%, X7R, 0603	0603
C7	1	4.7pF	06035A4R7DAT2A	AVX	CAP, CERM, 4.7 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C9	1	0.1uF	C1608X7R1E104K	TDK	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
D1, D2, D3, D5, D9	5	600V	DFLR1600-7	Diodes Inc.	Diode, Standard Recovery Rectifier, 600 V, 1 A, PowerDI123	PowerDI123
D6	1	150V	BAS20HT1	ON Semiconductor	Diode, P-N, 150 V, 0.2 A, SOD-323	SOD-323
D7	1	40V	PDS1040L-13	Diodes Inc.	Diode, Schottky, 40 V, 10 A, PowerDI5	PowerDI5
F1	1		39213150000	Littelfuse	Fuse, 3.15 A, 250 V, TH	8x8.5x4mm
J1	1			Mill-Max	Connector, Receptacle, USB TYPE A, R/A, Top Mount SMT	USB TYPE A CONNECTOR RECEPTACLE 4POS SMD
L1	1	1.1mH	131205000043	Dongguan Yuefeng	Coupled inductor, 1.1 mH, TH	T9*5
L2	1	220uH	7447462221	Würth Elektronik	Inductor, Unshielded Drum Core, Ferrite, 220 µH, 0.5 A, 0.96 ohm, TH	D6 x 8.5mm
L3	1		HF70ACC322513	TDK	Ferrite Bead, 950 ohm @ 100 MHz, 0.5 A, 1206	1210
Q1	1	40V	CSD18509Q5B	Texas Instruments	MOSFET, N-CH, 40 V, 38 A, SON 5x6mm	SON 5x6mm
Q2	1	650V	AOD7N65	AOS	MOSFET, N-CH, 650 V, 7 A, DPAK	DPAK
R1	1	330k	CRCW1206330KJNEA	Vishay-Dale	RES, 330 k, 5%, 0.25 W, 1206	1206
R10	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R11, R20	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R12	1	20	CRCW080520R0JNEA	Vishay-Dale	RES, 20, 5%, 0.125 W, 0805	0805
R13	0	1.30k	RC0603FR-071K3L	Yageo America	RES, 1.30 k, 1%, 0.1 W, 0603	0603
R14	1	330k	RC0603FR-07330KL	Yageo America	RES, 330 k, 1%, 0.1 W, 0603	0603
R15	1	100k	RC0603FR-07100KL	Yageo America	RES, 100 k, 1%, 0.1 W, 0603	0603
R17	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R2, R16	2	150	CRCW1206150RJNEA	Vishay-Dale	RES, 150, 5%, 0.25 W, 1206	1206
R21, R22	2	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R23	1	20k	CRCW060320K0JNEA	Vishay-Dale	RES, 20 k, 5%, 0.1 W, 0603	0603
R24	1	47k	CRCW060347K0JNEA	Vishay-Dale	RES, 47 k, 5%, 0.1 W, 0603	0603
R25	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R26	1	120k	CRCW060391K0JNEA	Vishay-Dale	RES, 120 k, 5%, 0.1 W, 0603	0603
R27	1	150k	CRCW0603150KFKEA	Vishay-Dale	RES, 150 k, 1%, 0.1 W, 0603	0603
R28	1	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	0603
R3	1	1.5k	CRCW06031K50JNEA	Vishay-Dale	RES, 1.5 k, 5%, 0.1 W, 0603	0603
R37	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603

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R38	1	22k	CRCW060322K0JNEA	Vishay-Dale	RES, 22 k, 5%, 0.1 W, 0603	0603
R4	1	1.0	CRCW12061R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.25 W, 1206	1206
R40	1	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.1 W, 0603	0603
R5	1	2.0	CRCW12062R00JNEA	Vishay-Dale	RES, 2.0, 5%, 0.25 W, 1206	1206
R6	1	22	CRCW060322R0JNEA	Vishay-Dale	RES, 22, 5%, 0.1 W, 0603	0603
R7	1	68k	CRCW060368K0JNEA	Vishay-Dale	RES, 68 k, 5%, 0.1 W, 0603	0603
R8	1	39k	CRCW060339K0JNEA	Vishay-Dale	RES, 39 k, 5%, 0.1 W, 0603	0603
T1	1		BCK2001-190	Jepuls	Transformer,EFD20, TH	
U1	1		TL431AIDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A
U2	1		TCMT1107	Vishay-Semiconductor	Optocoupler, 3.75 kV, 80-160% CTR, SMD-4	SOP-4
U3	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A	D0007A
U4	1		UCC24636DBVR	Texas Instruments	SYNCHRONOUS RECTIFIER CONTROLLER WITH LOW POWER STANDBY, DBV0006A	DBV0006A

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