

PMP10816 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB	1		PMP10816	Any	Printed Circuit Board	
C1	1	2200pF	DE6E3KJ222MN3A	MuRata	CAP, CERM, 2200 pF, 300 V, +/- 20%, E, TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm
C2	1	100pF	C1608C0G2A101J	TDK	CAP, CERM, 100pF, 100V, +/-5%, C0G/NP0, 0603	0603
C3	1	180uF	LGG2G181MELZ30	Panasonic	CAP ALUM 180UF 400V 20% SNAP	D22xL45
C4	1	220uF	400VXH220MEFCSN25X30	Rubycon	CAP ALUM 220UF 400V 20% SNAP	25.4x25mm
C5, C101, C102	3	0.022uF	C3216X7R2J223K	TDK	CAP, CERM, 0.022 uF, 630 V, +/- 10%, X7R, 1206	1206
C6, C7, C8, C9	4	680uF	ELX2630ELL681MK35S	United Chemi-Con	CAP ALUM 680UF 63V 20% RADIAL	D12.5xL25
C10, C11	2	1uF	GRM31CR72A105KA01L	MuRata	CAP, CERM, 1 uF, 100 V, +/- 10%, X7R, 1206	1206
C12, C15	2	100pF	DE2B3KY101KB3BM02F	Murata	CAP CER 100PF 250VAC 10% RADIAL	5x7.5 mm
C13, C16	2	220pF	DE2B3KY221KA3BU02F	Murata	CAP CER 220PF 300VAC 10% RADIAL	5x7.5 mm
C14	1	0.33uF	ECQ-U2A334ML	Panasonic	CAP, Film, 0.33uF, 275V, +/-20%, TH	RCAP, 17.5x17.5x9.5mm
C17	1	1000pF	C0805C102K1RACTU	Kemet	CAP, CERM, 1000pF, 100V, +/-10%, X7R, 0805	0805
C18	1	100uF	EEU-EB1E101S	Panasonic	CAP, AL, 100 uF, 25 V, +/- 20%, TH	6.3x11.2mm
C20	1	120pF	06035A121JAT2A	AVX	CAP, CERM, 120pF, 50V, +/-5%, C0G/NP0, 0603	0603
C21	1	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
D1, D2	2	600V	MUR860G	ON Semiconductor	Diode, Ultrafast, 600 V, 8 A, TH	TO-220AC
D3	1	420V	GBU8J-BP	Micro Commercial Component	Diode, Switching-Bridge, 420V, 8A, TH	GBU
D4, D101	2	600V	ES3J	Fairchild	DIODE GEN PURP 600V 3A SMC	SMC
D8	1	200V	ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200V, 1A, SMA	SMA
F1	1		37216300001	Littelfuse	Fuse, 6.3 A, 250 V, TH	TR5 fuse 8.5mm DIA
H1, H2, H4	3		513002B02500G	Aavid	BOARD LEVEL HEATSINK .5" TO-220	12.70x50.80x34.92 mm
H3	1		504222B00000G	Aavid	Heat Sink, TO-220	850x1450x780mil
J1	1		1-1318301-3	TE Connectivity	Header, 312mil, 3x1, Tin, TH	19.7x10.7 x8.5 mm
J2	1	2x1	1715721	Phoenix Contact	Conn Term Block, 2POS, 5.08mm, TH	2POS Terminal Block
L1	1	100uH	RFS1317-104KL	Coilcraft	Inductor, Shielded, Ferrite, 100 uH, TH	13.3mm DIA
L2	1	1uH	7447462010	Wurth Elektronik eiSos	Inductor, Unshielded Drum Core, Ferrite, 1uH, 8A, 0.006 ohm, TH	D6 x 8.5mm
L3	1	10mH	744825510	Wurth Elektronik eiSos	Coupled inductor, 10 mH, 5 A, 0.055 ohm, TH	30x35x21mm
Q1	1	650V	IPW65R045C7FKSA1	Infineon Technologies	MOSFET 650V 46A TO-247-3	TO-247
Q2	1	20V	FMMT718TA	Diodes Inc.	Transistor, PNP, 20V, 1.5A, SOT-23	SOT-23
R1	1	DNP	CRCW08050000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.125W, 0805	0805
R2, R3, R4, R5, R101, R102, R103, R104, R105, R106, R107, R108	12	75k	CRCW251275K0JNEG	Vishay-Dale	RES, 75 k, 5%, 1 W, 2512	2512
R6, R7	2	30.0k	ERJ-8ENF3002V	Panasonic	RES, 30.0 k, 1%, 0.25 W, 1206	1206
R8	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
R9	1	52.3k	CRCW060352K3FKEA	Vishay-Dale	RES, 52.3 k, 1%, 0.1 W, 0603	0603
R10, R14	2	1.00	CRCW12061R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.25 W, 1206	1206
R11	1	17.4k	CRCW060317K4FKEA	Vishay-Dale	RES, 17.4 k, 1%, 0.1 W, 0603	0603
R15	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R16	1	10.0	CRCW120610R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.25 W, 1206	1206

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R17	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10 ohm, 5%, 0.1W, 0603	0603
R18	1	100k	CRCW0805100KJNEA	Vishay-Dale	RES, 100k ohm, 5%, 0.125W, 0805	0805
R19	1	332	CRCW0603332RFKEA	Vishay-Dale	RES, 332, 1%, 0.1 W, 0603	0603
R20, R21	2	0.13	MCR100JZHFLR130	Rohm	RES SMD 0.13 OHM 1% 1W 2512	2512
RT1	1	5 ohm	B57237S509M	EPCOS Inc	ICL 5 OHM 20% 5A 15MM	Disc_11.5mmx6mm
T1	1	90 uH	RLTI-1131	Renco Electronics	Transformer, 90 uH, TH	2000x1950mil
TP1	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28710DR	Texas Instruments	Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, D0007A	D0007A
C19	0	10pF	C0603C100J5GACTU	Kemet	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0603	0603
D5, D6	0	1000V	1N4007	Fairchild Semiconductor	Diode, P-N, 1000V, 1A, TH	DO-41
D7	0	70V	BAV70-V	Vishay-Semiconductor	Diode, Switching, 70V, 0.25A, SOT-23	SOT-23
R12	0	61.9k	CRCW060361K9FKEA	Vishay-Dale	RES, 61.9 k, 1%, 0.1 W, 0603	0603
R13	0	3.9k	CRCW06033K90JNEA	Vishay-Dale	RES, 3.9k ohm, 5%, 0.1W, 0603	0603
RT2	0	470k ohm	B57164K474J	EPCOS Inc	Thermistor NTC, 470k ohm, 5%, Disc, 5.5x5mm	Disc, 5.5x5mm

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