

PMP10739 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP10739	Any	Printed Circuit Board	
C1	1	10uF	UVR1V100MDD1TA	Nichicon	CAP, AL, 10uF, 35V, +/-20%, TH	CAPPR2-5x11
C3, C4	2	10uF	200LLE10MEFC8X11.5	Rubycon	CAP, AL, 10 uF, 200 V, +/- 20%, TH	RCAP_8x11.5mm
C5	1	150uF	EEU-FR1E151B	Panasonic	CAP ALUM 150UF 25V 20% RADIAL	6.3x11.2mm
C6	1	1uF	08055C105KAT2A	AVX	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	0805
D1	1	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100V, 0.15A, SOD-123	SOD-123
D2	1	200V	ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200 V, 1 A, SMA	SMA
D4	1	200V	ES2D-13-F	Diodes Inc.	Diode, Ultrafast, 200 V, 2 A, SMB	SMB
L1	1	47uH	ME3220-473KLB	Coilcraft	Inductor, Drum Core, Ferrite, 47 uH, 0.45 A, 1.8 ohm, SMD	ME3220
L2	1	120uH	744777212	Würth Elektronik	Inductor, Shielded Drum Core, Metal Composite, 120 uH, 0.67 A, 0.4 ohm, SMD	WE-PD-M
Q1	1	250V	FDD6N25TM	Fairchild Semiconductor	MOSFET, N-CH, 250 V, 4.4 A, DPAK	DPAK
R1	1	36.5k	CRCW060336K5FKEA	Vishay-Dale	RES, 36.5 k, 1%, 0.1 W, 0603	0603
R2	1	301k	CRCW1206301KFKEA	Vishay-Dale	RES, 301 k, 1%, 0.25 W, 1206	1206
R3	1	17.8k	CRCW060317K8FKEA	Vishay-Dale	RES, 17.8 k, 1%, 0.1 W, 0603	0603
R4	1	301	CRCW0603301RFKEA	Vishay-Dale	RES, 301 ohm, 1%, 0.1W, 0603	0603
R5, R7	2	0.75	UCR03EVPFLR750	Rohm Semiconductor	RES, 0.75 ohm, 1%, 0.125W, 0805	0603
R6	1	5.1k	CRCW12065K10JNEA	Vishay-Dale	RES, 5.1k ohm, 5%, 0.25W, 1206	1206
R8, R9	2	1.0Meg	CRCW12061M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.25 W, 1206	1206
TP1, TP2	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3, TP4	2	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
TP5	1	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
U1	1		UCC28700DBV	Texas Instruments	Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, DBV0006A	DBV0006A
C2	0	22pF	06035A220JAT2A	AVX	CAP, CERM, 22pF, 50V, +/-5%, C0G/NP0, 0603	0603
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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