

PMP20106 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB1	1		PMP20106	Any	Printed Circuit Board	
C1	1	470pF	C3216C0G2J471J	TDK	CAP, CERM, 470 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
C2	1	2.2uF	UVY2W2R2MPD1TD	Nichicon	CAP ALUM 2.2UF 20% 450V RADIAL	
C3, C101	2	100uF	GRM31CR60J107ME39L	MuRata	CAP, CERM, 100 µF, 6.3 V, +/- 20%, X5R, 1206	1206
C4	1	22uF	UVR1E220MDD6TP	Nichicon	CAP ALUM 22UF 20% 25V RADIAL	4.0x11.0mm
C5	1	10uF	JMK316BJ106ML-T	Taiyo Yuden	CAP, CERM, 10 µF, 6.3 V, +/- 20%, X5R, 1206	1206
C6	1	1uF	GRM216R61E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0805	0805
C7	1	1uF	GRM188R71A105KA61D	MuRata	CAP, CERM, 1 µF, 10 V, +/- 10%, X7R, 0603	0603
C8	1	47uF	GRM32ER71A476ME15L	MuRata	CAP, CERM, 47 µF, 10 V, +/- 20%, X7R, 1210	1210
C9	1	0.1uF	12061C104JAT2A	AVX	CAP, CERM, 0.1 µF, 100 V, +/- 5%, X7R, 1206	1206
C10	1	1000pF	C0603C102J5GAC	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C12	1	4700pF	C1608C0G1E472J	TDK	CAP, CERM, 4700 pF, 25 V, +/- 5%, C0G/NP0, 0603	0603
D1	1	150V	SMD1150PL-TP	Micro Commercial Co	DIODE SCHOTTKY 150V 1A SOD123FL	SOD-123F
D2	1	40V	MBRA340T3G	ON Semiconductor	Diode, Schottky, 40 V, 3 A, SMA	SMA
D3	1	600V	1N4937-E3	Vishay-Semiconductor	Diode, Switching, 600 V, 1 A, TH	DO-41
D4	1	60V	MBR0560-TP	Micro Commercial Component	Diode, Schottky, 60 V, 3 A, SOD-123	SOD-123
R1	1	76.8k	CRCW120676K8FKEA	Vishay-Dale	RES, 76.8 k, 1%, 0.25 W, 1206	1206
R2, R4	2	5.1k	CRCW06035K10JNEA	Vishay-Dale	RES, 5.1 k, 5%, 0.1 W, 0603	0603
R3	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R5	1	2.05k	CRCW06032K05FKEA	Vishay-Dale	RES, 2.05 k, 1%, 0.1 W, 0603	0603
R6	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R7	1	130k	CRCW0603130KFKEA	Vishay-Dale	RES, 130 k, 1%, 0.1 W, 0603	0603
R8	1	22.1k	CRCW060322K1FKEA	Vishay-Dale	RES, 22.1 k, 1%, 0.1 W, 0603	0603
R9, R101	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R10	1	78.7k	CRCW060378K7FKEA	Vishay-Dale	RES, 78.7 k, 1%, 0.1 W, 0603	0603
RF1	1	10	PWR4522AS10R0JA	Bourns	RES, 10, 5%, 3 W, Axial	Axial
T1	1	6.0mH	750316133	Würth Elektronik	Transformer, 6 mH, TH	15.7x22.1mm
TP1, TP2, TP3	3		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4, TP5, TP6	3		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP7	1		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
U1	1		UCC28880DR	Texas Instruments	700-V Lowest Quiescent Current Off-Line Switcher, D0007A	D0007A
U2	1		FOD817D300	Fairchild Semiconductor	Optocoupler, 5 kV, 300-600% CTR, TH	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U3	1		LMV431AIMF	Texas Instruments	Low-Voltage (1.24V) Adjustable Precision Shunt Regulator, 3-pin SOT-23	MF03A
C11	0	220pF	C0603C221K5GACTU	Kemet	CAP, CERM, 220 pF, 50 V, +/- 10%, C0G/NP0, 0603	0603

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