

PMP21022 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2	2	560uF	16ZLJ560M8X16	Rubycon	560µF 16V Aluminum Capacitors Radial, Can 10000 Hrs @ 105°C	6.3x5.5mm
C3	1	2.2uF	GRM316R61E225KA12D	MuRata	CAP, CERM, 2.2 µF, 25 V, +/- 10%, X5R, 1206	1206
C4, C9	2	10uF	UVR2E100MPD	Rubycon	10µF 250V Aluminum Capacitors Radial, Can 2000 Hrs @ 85°C	10x17.5
C10	1	4.7uF	GRM319R61H475KA12	MuRata	CAP, CERM, 4.7 µF, 50 V, +/- 10%, X5R, 1206	1206
C11	1	22uF	GRT31CR61E226KE01L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X5R, AEC-Q200 Grade 3, 1206	1206
C100	1	0.47uF	ECQ-U2A474ML	Panasonic	CAP, Film, 0.47 µF, 275 V,+/- 20%, TH	Radial 25x8.5x18.5
D1	1	100V	SS110-TP	Micro Commercial Component	Diode, Schottky, 100 V, 1 A, SMA	SMA
D3, D7	2	600V	1N4006-T	Diodes Inc.	Diode, Standard Recovery Rectifier, 600 V, 1 A, TH	DO-41
D4	1	200V	1SMB5956BT3G	ON Semiconductor	Diode, Zener, 200 V, 550 mW, SMB	SMB
D6	1	1.7V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000V, 1A, SMA	SMA
D8	1		BAS20HT1G		DIODE SWITCH 200V 200MA SOD323	SOD-323
F1	1		37202500001	Littelfuse	Fuse, 0.25 A, 250 V, TH	TR5 fuse 8.5mm DIA
J1	1		923345-03-C	3M	Jumper Wire, 300mil spacing, Orange, pkg of 200	300 mil Jumper Wire
J2, J3	2		923345-04-C	3M	Jumper Wire, 400 mil Spacing, Yellow, Pkg of 200	Jumper Wire, 400 mil Spacing, Yellow, Pkg of 200
L100	1	68uH	744774168	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 68 µH, 0.64 A, 0.46 ohm, SMD	5.8x4.5x5.2mm
Q1	1	400 V	STN2580	STMicroelectronics	Transistor, NPN, 400 V, 1 A, SOT-223	SOT-223
R1	1	2.0k	CRCW08052K00JNEA	Vishay-Dale	RES, 2.0k ohm, 5%, 0.125W, 0805	0805
R2, R3, R5, R7	4	4.7Meg	CRCW12064M70JNEA	Vishay-Dale	RES, 4.7Meg ohm, 5%, 0.25W, 1206	1206
R6	1	330	CRCW1206330RJNEA	Vishay-Dale	RES, 330, 5%, 0.25 W, 1206	1206
R8, R10, R12	3	1.5Meg	CRCW12061M50JNEA	Vishay-Dale	RES, 1.5 M, 5%, 0.25 W, 1206	1206
R9	1	0	RC1206JR-070RL	Yageo America	RES, 0, 5%, 0.25 W, 1206	1206
R11	1	140k	CRCW0603140KFKEA	Vishay-Dale	RES, 140 k, 1%, 0.1 W, 0603	0603
R13	1	953	CRCW0603953RFKEA	Vishay-Dale	RES, 953, 1%, 0.1 W, 0603	0603
R14	1	35.7k	RC0603FR-0735K7L	Yageo America	RES, 35.7 k, 1%, 0.1 W, 0603	0603
R15	1	1.69	CRCW08051R69FKEA	Vishay-Dale	RES, 1.69, 1%, 0.125 W, 0805	0805
T1	1		750317031	Würth	Flyback Transformer, 1.7mH	
TP1, TP3	2	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP2, TP5	2	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
TP4	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP6	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28722DBVR	Texas Instruments	Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, BJT Drive, DBV0006A	DBV0006A
C5	0	470uF	RS80J471MDNASQJT	Nichicon	CAP ALUM POLY 470UF 20% 6.3V T/H	5x7 mm
C6	0	4.7uF	CGB3B1X5R1A475K055AC	TDK	CAP, CERM, 4.7 µF, 10 V, +/- 10%, X5R, 0603	0603
C7	0	22uF	CL10A226MP8NUNE	Samsung	CAP, CERM, 22 µF, 10 V, +/- 20%, X5R, 0603	0603
C8	0	2200pF	DE1E3KX222MA5BA01	MuRata	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, Disc 10x8mm	Disc 10x8mm
D2	0	7.5V	1SMA5922BT3G	ON Semiconductor	Diode, Zener, 7.5 V, 1.5 W, AEC-Q101, SMA	SMA
D5	0	100V	SS1H10-E3/61T	Vishay-Semiconductor	Diode, Schottky, 100V, 1A, SMA	SMA
L1	0	10mH	744862100	Würth Elektronik	COMMON MODE CHOKE 450MA 2 LN T/H	17x12.32x15.32 mm
R4	0	511	CRCW0603511RFKEA	Vishay-Dale	RES, 511, 1%, 0.1 W, 0603	0603

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