

PMP20339 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB1	1		PMP20339	Any	Printed Circuit Board	
C1, C2	2	120uF	20SEPF120M+TSS	Panasonic	CAP POLYMER 120UF 20% 20V T/H	6.3x5.5mm
C3	1	2.2uF	GRM316R61E225KA12D	MuRata	CAP, CERM, 2.2 μ F, 25 V, +/- 10%, X5R, 1206	1206
C4	1	27uF	400BXW27MEFC10X25	Rubycon	CAP, AL, 27 μ F, 400 V, +/- 20%, TH	RCAP, 10x25mm
C5	1	470uF	RS80J471MDNASQJT	Nichicon	CAP ALUM POLY 470UF 20% 6.3V T/H	5x7 mm
C6	1	4.7uF	CGB3B1X5R1A475K055AC	TDK	CAP, CERM, 4.7 μ F, 10 V, +/- 10%, X5R, 0603	0603
C7	1	22uF	CL10A226MP8NUNE	Samsung	CAP, CERM, 22 μ F, 10 V, +/- 20%, X5R, 0603	0603
C8	1	2200pF	DE1E3KX222MA5BA01	MuRata	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, Disc 10x8mm	Disc 10x8mm
C9	1	22uF	GRT31CR61E226KE01L	MuRata	CAP, CERM, 22 μ F, 25 V, +/- 10%, X5R, AEC-Q200 Grade 3, 1206	1206
C10	1	4.7uF	GRM319R61H475KA12	MuRata	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X5R, 1206	1206
D1	1	200V	SS1200-LTP	Micro Commercial Component	DIODE SCHOTTKY 200V 1A SMA	SMA
D3	1	120V	5.0SMDJ120A	Littelfuse	Diode, TVS, Uni, 120 V, 5000 W, SMC	SMC
D4	1	600V	MDB6S	Fairchild Semiconductor	Diode, Switching-Bridge, 600 V, 1 A, MICRODIP_4	MICRODIP_4
D5	1	100V	SS1H10-E3/61T	Vishay-Semiconductor	Diode, Schottky, 100V, 1A, SMA	SMA
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		37205000001	Littelfuse	Fuse, 0.5 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
J1	1		923345-07-C	3M	Jumper Wire, 700mil spacing, Violet, pkg of 150, TH	700 mil Jumper Wire
J2, J3	2		923345-03-C	3M	Jumper Wire, 300mil spacing, Orange, pkg of 200	300 mil Jumper Wire
L1	1	10mH	744862100	Würth Elektronik	COMMON MODE CHOKE 450MA 2 LN T/H	17x12.32x15.32 mm
Q1	1	600V	AOD1N60	AOS	MOSFET N-CH 600V 1.3A TO252	DPAK
R1	1	1.00k	CRCW12061K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.25 W, 1206	1206
R2	1	10.0	RC0603FR-0710RL	Yageo America	RES, 10.0, 1%, 0.1 W, 0603	0603
R3	1	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	0603
R4	1	511	CRCW0603511RFKEA	Vishay-Dale	RES, 511, 1%, 0.1 W, 0603	0603
R5	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
R6	1	100	CRCW1206100RFKEA	Vishay-Dale	RES, 100, 1%, 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	80.6k	RC0603FR-0780K6L	Yageo America	RES, 80.6 k, 1%, 0.1 W, 0603	0603
R13	1	953	CRCW0603953RFKEA	Vishay-Dale	RES, 953, 1%, 0.1 W, 0603	0603
R14	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R15	1	2.21	CRCW08052R21FKEA	Vishay-Dale	RES, 2.21, 1%, 0.125 W, 0805	0805
T1	1		RLTI-1186	Renco Electronics	Transformer, 1.35 mH, TH	790x540mil
TP1, TP3, TP4	3		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP5, TP6	3		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28700DBVR	Texas Instruments	Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, DBV0006A	DBV0006A
D2	0	7.5V	1SMA5922BT3G	ON Semiconductor	Diode, Zener, 7.5 V, 1.5 W, AEC-Q101, SMA	SMA

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