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PMP20199 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP20199	Any	Printed Circuit Board	
C1, C2	2	47uF	EEU-EE2G470S	Panasonic	CAP, AL, 47uF, 400V, +/-20%, TH	18x20mm
C3	1	0.22uF	890324025027CS	Wurth Elektronik	CAP, Film, 0.22 µF, 275 V, +/- 10%, TH	18x6x11.5mm
C4, C5	2	120uF	EKZN800ELL121MJ16S	Chemi-Con	CAP, AL, 120 µF, 80 V, +/- 20%, 0.09 ohm, TH	D10xL16mm
C6	1	1uF	GRM31CR72A105KA01L	MuRata	CAP, CERM, 1 µF, 100 V, +/- 10%, X7R, 1206	1206
C7	1	2200pF	DE2E3KY222MA2BM01	MuRata	CAP, CERM, 2200pF, 250V, +/-20%, KY, Radial D8x5mm	Radial D8x5mm
C8	1	4.7uF	GRM188R61C475KAAJ	MuRata	CAP, CERM, 4.7 µF, 16 V, +/- 10%, X5R, 0603	0603
C9, C15, C16, C18	4	0.01uF	C1608X7R2A103K	TDK	CAP, CERM, 0.01uF, 100V, +/-10%, X7R, 0603	0603
C10, C13, C17, C20	4	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C11, C23	2	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0402	0402
C12	1	1uF	C1005X5R1E105K050BC	TDK	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0402	0402
C14	1	10uF	GRM31CR61H106KA12L	MuRata	CAP, CERM, 10 µF, 50 V, +/- 10%, X5R, 1206_190	1206_190
C19	1	1000pF	1812GC102KA1	AVX	CAP, CERM, 1000pF, 2000V, +/-10%, X7R, 1812	1812
C21, C22	2	0.1uF	C2012X7R2A104K	TDK	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	0805
D1	1	1.1V	DF1506S-T	Diodes Inc.	Diode, Switching-Bridge, 600V, 1.5A, DF-S	DF-S
D2	1	100V	SMCJ100A	Littelfuse	Diode, TVS, Uni, 100V, 1500W, SMC	SMC
D3	1	1.05V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600V, 1A, SMA	SMA
D4	1	400V	MURS340T3G	ON Semiconductor	Diode, Ultrafast, 400 V, 3 A, SMC	SMC
D5, D9	2	200V	BAS21-TP	Micro Commercial Component	Diode, P-N, 200V, 200A, SOT-23	SOT-23
D6	1	58V	SMBJ58A-13-F	Diodes Inc.	Diode, TVS, Uni, 58V, 600W, SMB	SMB
D8	1	Blue	LB Q39G-L2N2-35-1	OSRAM	LED, Blue, SMD	BLUE 0603 LED
F1	1		0443003.DR	Littelfuse	Fuse, 3 A, 250 V, SMD	FUSE 10.1x3.12x3.13mm
F2	1		C1S 1.5	Bel Fuse	Fuse, 1.5A, 63V, SMD	1206
J1	1		770W-X2/10	Qualtek Electronics Corporatio	AC Receptacle, 2.5A, R/A, TH	AC, Reception 14.5x15x22 mm
J2, J3	2		1-406541-1	AMP	RJ-45, Right Angle, No LED, tab up	16.26x14.54x15.75
J4	1		TSW-105-07-G-D	Samtec	Header, 100mil, 5x2, Gold, TH	5x2 Header
L1	1	33uH	CDRH6D28NP-330NC	Sumida	Inductor, Shielded Drum Core, Ferrite, 33uH, 0.97A, 0.165 ohm, SMD	CDRH6D28
L2	1	10mH	744821110	Wurth Elektronik	Coupled inductor, 10 mH, 0.7 A, 0.35 ohm, +/- 30%, TH	15 x 18 x 7.5mm
L3	1	uH	ACM7060-301-2PL-TL	TDK	Coupled inductor, 5A, 0.01 ohm, SMD	6x3.5x7 mm
Q1	1	600V	AOD7S60	AOS	MOSFET, N-CH, 600V, 7A, DPAK	DPAK
Q2	1	100V	FDMC3612	Fairchild Semiconductor	MOSFET, N-CH, 100V, 3.3A, 3.3x1x3.3mm	3.3x1x3.3mm
R1, R11	2	2.00Meg	CRCW12062M00FKEA	Vishay-Dale	RES, 2.00 M, 1%, 0.25 W, 1206	1206
R2	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
R3	1	30.1	CRCW040230R1FKED	Vishay-Dale	RES, 30.1 ohm, 1%, 0.063W, 0402	0402
R4	1	75.0k	CRCW040275K0FKED	Vishay-Dale	RES, 75.0 k, 1%, 0.063 W, 0402	0402
R5	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00k ohm, 1%, 0.063W, 0402	0402
R6	1	31.6k	CRCW040231K6FKED	Vishay-Dale	RES, 31.6 k, 1%, 0.063 W, 0402	0402
R7	1	0.36	CSRN2010FKR360	Stackpole Electronics Inc	RES, 0.36, 1%, 1 W, 2010	2010
R8, R12, R14, R23, R24, R25	6	10.0k	ERJ-2RKF1002X	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0402	0402
R9	1	22	CRCW120622R0JNEA	Vishay-Dale	RES, 22, 5%, 0.25 W, 1206	1206
R10, R13, R16, R17	4	75.0	CRCW040275R0FKED	Vishay-Dale	RES, 75.0, 1%, 0.063 W, 0402	0402

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R18	1	47	CRCW040247R0JNED	Vishay-Dale	RES, 47, 5%, 0.063 W, 0402	0402
R19	1	22.1	CRCW040222R1FKED	Vishay-Dale	RES, 22.1, 1%, 0.063 W, 0402	0402
R20	1	499	CRCW0603499RFKEA	Vishay-Dale	RES, 499, 1%, 0.1 W, 0603	0603
R21, R22	2	0.51	CRM0805-FX-R510ELF	Bourns	RES, 0.51 ohm, 1%, 0.25W, 0805	0805
R26	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
T1	1	140uH	RLTI-1141	Renco Electronics	Transformer, 140uH, TH	1110x685x895mil
T2	1	350uH	H6096NL	Pulse Engineering	TRANSFORMER/CMC MOD, GIGABIT POE+, SMT	12.2X6.6X18.16 mm
TP3, TP5	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP6	1	Yellow	5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
U1	1		UCC28700DBVR	Texas Instruments	Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, DBV0006A	DBV0006A
U2	1		TPS23861PW	Texas Instruments	QUAD IEEE 802.3at POWER-OVER-ETHERNET PSE CONTROLLER, PW0028A	PW0028A
U3	1		TPS71533DCK	Texas Instruments	50 mA, 24 V, 3.2-mA Supply Current Low-Dropout Linear Regulator, DCK0005A	DCK0005A

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