


PMP10812 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C16	1	470pF	C1608C0G2A471J	TDK	CAP, CERM, 470 pF, 100 V, +/- 5%, COG/NPO, 0603	603
C1, C2, C17	3	1000pF	C1608X7R2A102K	TDK	CAP, CERM, 1000pF, 100V, +/-10%, X7R, 0603	603
C15	1	4700pF	GRM188R71H472KA01D	MuRata	CAP, CERM, 4700pF, 50V, +/-10%, X7R, 0603	603
C3, C4	2	0.01uF	C1608X7R2A103K	TDK	CAP, CERM, 0.01uF, 100V, +/-10%, X7R, 0603	603
C19	1	0.01uF	C1608X7R1H103K	TDK	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	603
C6	1	0.022uF	C1608X7R1H223K	TDK	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0603	603
C5	1	0.47uF	GRM188R71C474KA88D	MuRata	CAP, CERM, 0.47uF, 16V, +/-10%, X7R, 0603	603
C7, C10, C14, C18	4	0.1uF	C2012X7R2A104K	TDK	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	805
C12, C13	2	10uF	C3216X5R1A106M	TDK	CAP, CERM, 10 uF, 10 V, +/- 20%, X5R, 1206	1206
C8, C9	2	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210
C11	1	22uF	EEE-FK1K220P	Panasonic	CAP, AL, 22 uF, 80 V, +/- 20%, 1.3 ohm, SMD	SMT Radial F
D1, D2	2		HD01-T	Diodes Inc.	Diode, Switching-Bridge, 100V, 0.8A, MiniDIP	MiniDIP
D3, D4, D5, D6, D7, D8, D9, D10	0	DNP	B1100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 1 A, SMA	SMA
D11	1	58V	SMAJ58A	Diodes Inc.	Diode, TVS, Uni, 58V, 400W, SMA	SMA
D12	1		B2100-13-F	Diodes Inc.	Diode, Schottky, 100V, 2A, SMB	SMB
D13	1		B1100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 1 A, SMA	SMA
J1, J2	2		1-406541-1	AMP	RJ-45, Right Angle, No LED, tab up	16.26x14.54x15.75
J3, J4, J5	3		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH, Header, 100mil, 2x1, Tin plated, TH, Header, 100mil, 2x1, Tin plated, TH	Header, 2 PIN, 100mil, Tin
L1, L2, L5, L6	4		MPZ1608S221A	TDK	Ferrite Bead, 220 ohm @ 100 MHz, 2.2 A, 0603	603
L3	1	3.3uH	EPL2014-332MLB	Coilcraft	Inductor, Shielded, Ferrite, 3.3 uH, 1.1 A, 0.15 ohm, SMD	EPL2014
L4	1	47uH	MSS1038-473MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 47uH, 2.2A, 0.13 ohm, SMD	MSS1038
R5	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	603
R1, R2, R3, R4	4	75	CRCW060375R0FKEA	Vishay-Dale	RES, 75.0 ohm, 1%, 0.1W, 0603	603
R11	1	137	CRCW0603137RFKEA	Vishay-Dale	RES, 137 ohm, 1%, 0.1W, 0603	603
R10	1	3.65k	CRCW06033K65FKEA	Vishay-Dale	RES, 3.65 k, 1%, 0.1 W, 0603	603
R9	1	9.09k	CRCW06039K09FKEA	Vishay-Dale	RES, 9.09 k, 1%, 0.1 W, 0603	603
R14	1	13.3k	CRCW060313K3FKEA	Vishay-Dale	RES, 13.3 k, 1%, 0.1 W, 0603	603
R6	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9k ohm, 1%, 0.1W, 0603	603
R8, R12	2	36.5k	CRCW060336K5FKEA	Vishay-Dale	RES, 36.5 k, 1%, 0.1 W, 0603	603
R7	1	169k	CRCW0603169KFKEA	Vishay-Dale	RES, 169 k, 1%, 0.1 W, 0603	603
R13	1	237k	CRCW0603237KFKEA	Vishay-Dale	RES, 237k ohm, 1%, 0.1W, 0603	603
T1	1		H2019FNLT	Pulse Engineering	Transformer, 350uH, SMT	358x236x500mil
U1	1		LM5010SD/NOPB	Texas Instruments	High Voltage 1A Step Down Switching Regulator, 10-pin LLP, Pb-Free	SDC10A
U2	1		TPS2378DDA	Texas Instruments	IEEE 802.3at PoE High-Power PD Interface, DDA0008E	DDA0008E

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