

Filename: PMP9415 Bom
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PMP9415

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C1, C2	2	10µF	CAP CER 10UF 25V 10% X7R 1206	1206	C3216X7R1E106K160A B	TDK
C3	1	1000pF	CAP, CERM, 1000pF, 2000V, +/-10%, X7R, 1210	1210	C1210C102KGRACU	Kemet
C4, C9	2	1500pF	CAP, CERM, 1500pF, 50V, +/-5%, COG/NP0, 0603	0603	GRM1885C1H152JA01 D	MuRata
C5	1	0.01uF	CAP, CERM, 0.01uF, 16V, +/-10%, X7R, 0603	0603	GRM188R71C103KA01 D	MuRata
C6	1	2.2uF	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210	C3225X7R2A225K230A B	TDK
C8	1	0.1uF	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	0805	C2012X7R2A104K	TDK
C10, C11	2	10uF	CAP CER 10UF 25V 10% X7R 1206	1206	C3216X7R1E106K160A B	TDK
C12	1	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603	GRM188R61C105KA93 D	MuRata
C13	1	0.022uF	CAP, CERM, 0.022uF, 16V, +/-10%, X7R, 0603	0603	GRM188R71C223KA01 D	MuRata
Cext	1	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H104K	TDK
Csnb	1	100pF	CAP, CERM, 100pF, 100V, +/-5%, COG/NP0, 0603	0603	C1608C0G2A101J	TDK
D1	1	0.56V	Diode, Schottky, 100V, 3A, SMB	SMB	VSSB310	International Rectifier
D2	1	100V	Diode, Schottky, 100V, 1A, PowerDI123	PowerDI123	DFLS1100-7	Diodes Inc.
FID1, FID2	2		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A
J1, J3	2		Terminal Block, 8A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm	691 111 710 002	Würth
R2	1	732	RES, 732 ohm, 1%, 0.125W, 0805	0805	CRCW0805732RFKEA	Vishay-Dale
R3	1	0	RES, 0 ohm, 5%, 0.125W, 0805	0805	CRCW0805000Z0EA	Vishay-Dale
R4	1	51.1k	RES, 51.1k ohm, 1%, 0.1W, 0603	0603	RC0603FR-0751K1L	Yageo America
R5	1	10.0	RES, 10.0 ohm, 1%, 0.1W, 0603	0603	CRCW060310R0FKEA	Vishay-Dale
R6	1	49.9k	RES, 49.9k ohm, 1%, 0.1W, 0603	0603	RC0603FR-0749K9L	Yageo America
R7	1	422k	RES, 422k ohm, 1%, 0.1W, 0603	0603	CRCW0603422KFKEA	Vishay-Dale
R8	1	53.6k	RES, 53.6k ohm, 1%, 0.1W, 0603	0603	CRCW060353K6FKEA	Vishay-Dale
R9	1	10.2k	RES, 10.2k ohm, 1%, 0.1W, 0603	0603	CRCW060310K2FKEA	Vishay-Dale
R10	1	2.05k	RES, 2.05k ohm, 1%, 0.1W, 0603	0603	CRCW06032K05FKEA	Vishay-Dale
R31	1	10	RES, 10 ohm, 5%, 0.1W, 0603	0603	CRCW060310R0JNEA	Vishay-Dale
Rsnb	1	10	RES, 10 ohm, 5%, 0.125W, 0805	0805	ERJ-6GEYJ100V	Panasonic
T1	1		Power over Ethernet Transformer WE-PoE , Ui=36-57V	EP10	750342362	Würth
U1	1		IC, PWM, COT Controller	DNT0012B	LM5160	Texas Instruments
C31	0	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603	C1608X7R1C105K	TDK
C35, C36	0	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	GRM188R71H104KA93 D	MuRata
C37	0	1000pF	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0603	0603	GRM188R71H102KA01 D	MuRata
R27	0	4.99k	RES, 4.99k ohm, 1%, 0.1W, 0603	0603	CRCW06034K99FKEA	Vishay-Dale
R29	0	10	RES, 10 ohm, 5%, 0.1W, 0603	0603	CRCW060310R0JNEA	Vishay-Dale
R32	0	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale
R35, R37	0	40.2k	RES, 40.2k ohm, 1%, 0.1W, 0603	0603	CRCW060340K2FKEA	Vishay-Dale
R36	0	41.2k	RES, 41.2k ohm, 1%, 0.1W, 0603	0603	CRCW060341K2FKEA	Vishay-Dale
R38	0	10.0K	RES, 3.01k ohm, 1%, 0.1W, 0603	0603	CRCW06033K01FKEA	Vishay-Dale
R51	0	DNP	RES, 39.0k ohm, 0.1%, 0.1W, 0603	0603	RG1608P-393-B-T5	Susumu Co Ltd
U3	0		Low-Voltage (1.24V) Adjustable Precision Shunt Regulator, 5-pin SOT-23	MF05A	LMV431ACM5	National Semiconductor
U4	0		Low Input Current, High CTR Photocoupler	PS2811-1	PS2811-1-M-A	California Eastern Laboratories

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