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PMP10572

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C1, C10, C11	3	10uF	CAP, CERM, 10uF, 16V, +/-10%, X7R, 0805	0805	C2012X5R1E106K125A B	TDK
C2	1	10uF	CAP, CERM, 10uF, 25V, +/-10%, X5R, 1206	1206	GRM31CR61E106KA12 L	MuRata
C3	1	100pF	CAP, CERM, 100pF, 1000V, +/-5%, U2J, 1206	1206	GRM31A7U3A101JW31 D	MuRata
C4, C9	2	1500pF	CAP, CERM, 1500pF, 50V, +/-5%, COG/NP0, 0603	0603	C1608C0G1H152J	TDK
C5, C22	2	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, C21, C23	3	0.1uF	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	0805	C2012X7R2A104K	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
C15	1	68uF	CAP, AL, 68uF, 6.3V, +/-20%, 1 ohm, SMD	SMT Radial D	EEE-FC0J680P	Panasonic
C25	1	10uF	CAP, AL, 10uF, 63V, +/-20%, 120 ohm, SMD	6.3x5.8	EEHZA1J100P	Panasonic
Cs	1	100pF	CAP, CERM, 100pF, 100V, +/-5%, COG/NP0, 0603	0603	C1608C0G2A101J	TDK
D1	1	100V	Diode, Schottky, 100V, 2A, SMB	SMB	B2100-13-F	Diodes Inc.
D2	1	100V	Diode, Schottky, 100V, 1A, PowerDI123	PowerDI123	DFLS1100-7	Diodes Inc.
D10, D11	2	100V	Diode, Switching-Bridge, 100V, 0.8A, MiniDIP	MiniDIP	HD01-T	Diodes Inc.
D21	1	60V	Diode, TVS, Uni, 60V, 400W, SMA	SMA	SMAJ60A	Littelfuse
D30	1	100V	Diode, Schottky, 100V, 1A, SMA	SMA	B1100-13-F	Diodes Inc.
J1	1		Header, 100mil, 4x1, Tin, TH	Header, 4x1, 100mil, TH	826631-4	TE Connectivity
J3	1		Header, 100mil, 6x1, Tin, TH	Header, 6x1, 100mil, TH	826631-6	TE Connectivity
R2	1	1.27k	RES, 1.27k ohm, 1%, 0.125W, 0805	0805	ERJ-6ENF1271V	Panasonic
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, 0.1%, 0.1W, 0603	0603	RG1608P-4992-B-T5	Susumu Co Ltd
R7	1	442k	RES, 442k ohm, 1%, 0.1W, 0603	0603	CRCW0603442KFKEA	Vishay-Dale
R8	1	46.4k	RES, 46.4k ohm, 1%, 0.1W, 0603	0603	CRCW0603464KFKEA	Vishay-Dale
R9	1	10k	RES, 10k ohm, 5%, 0.1W, 0603	0603	CRCW060310K0JNEA	Vishay-Dale
R10	1	2.05k	RES, 2.05k ohm, 1%, 0.125W, 0805	0805	ERJ-6ENF2051V	Panasonic
R21	1	24.9k	RES, 24.9k ohm, 1%, 0.1W, 0603	0603	CRCW060324K9FKEA	Vishay-Dale
R22	1	10k	RES, 10k ohm, 5%, 0.1W, 0603	0603	RC0603JR-0710KL	Yageo America
R23	1	237k	RES, 237k ohm, 0.1%, 0.1W, 0603	0603	RT0603BRD07237KL	Yageo America
R25	1	90.9	RES, 90.9 ohm, 1%, 0.1W, 0603	0603	CRCW0603909FKEA	Vishay-Dale
R29	1	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	CRCW0603000Z0EA	Vishay-Dale
Rs	1	5.11	RES, 5.11 ohm, 1%, 0.125W, 0805	0805	CRCW08055R11FKEA	Vishay-Dale
T1	1		Power over Ethernet Transformer MNC-Tech, EP-1021SG	EP10	EP-1021SG	MNC-Tech
U1	1		IC, PWM, COT Controller	DNT0012B	LM5160A	Texas Instruments
U2	1		IEEE 802.3at PoE High-Power PD Interface, DDA0008E	DDA0008E	TPS2378DDA	Texas Instruments
C31	0	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603	C1608X7R1C105K	TDK
C35	0	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	GRM188R71H104KA93 D	MuRata
R27	0	4.99k	RES, 4.99k ohm, 1%, 0.1W, 0603	0603	CRCW06034K99FKEA	Vishay-Dale
R28	0	2.26k	RES, 2.26k ohm, 1%, 0.1W, 0603	0603	CRCW06032K26FKEA	Vishay-Dale
R31	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	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
U3	0		Low-Voltage (1.24V) Adjustable Precision Shunt Regulator, 5-pin SOT-23	MF05A	LMV431ACM5	National Semiconductor
U4	0		High Isolation Voltage Single Transistor Type OptoCoupler	PS2501L	PS2501L-1-A	California Eastern Laboratories

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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