PMP11107_RevA_BOM.xlsx

4/29/2015

PMP11107 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C2, C3	2	0.01uF	C1608X7R2A103K	TDK	CAP, CERM, 0.01uF, 100V, +/-10%, X7R, 0603	603
C29	1	0.068uF	GRM188R71E683KA01D	MuRata	CAP, CERM, 0.068uF, 25V, +/-10%, X7R, 0603	603
C27	1	0.15uF	GRM188R71E154KA01D	MuRata	CAP, CERM, 0.15uF, 25V, +/-10%, X7R, 0603	603
C21	1	0.1uF	C1608X7R1C104K	TDK	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0603	603
C4, C5, C7, C8	4	1000pF	C1608X7R2A102K	TDK	CAP, CERM, 1000pF, 100V, +/-10%, X7R, 0603	603
C28	1	100pF	C1608C0G1H101J	TDK	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	603
C19	1	1uF	C1608X7R1C105K	TDK	CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0603	603
C30	1	1uF	C1608X5R1A105K	TDK	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0603	603
C18, C25	2	2200pF	C1608X7R1H222K	TDK	CAP, CERM, 2200pF, 50V, +/-10%, X7R, 0603	603
C10, C20	2	470pF	C1608C0G1H471J	TDK	CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0603	603
C17, C26	2	0.1uF	C2012X7R2A104K	TDK	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	805
C12, C13, C22, C23	4	100uF	C3225X5R0J107M	TDK	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210	1210
C15, C16	2	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210
C1, C6	2	1000pF	1812GC102KA1	AVX	CAP, CERM, 1000pF, 2000V, +/-10%, X7R, 1812	1812
C9, C24	2	2200pF	C4532X7R3D222K	TDK	CAP, CERM, 2200 pF, 2000 V, +/- 10%, X7R, 1812	1812
C11	1	22uF	EEE-FK1C220R	Panasonic	CAP, AL, 22 µF, 16 V, +/- 20%, 0.7 ohm, SMD	SMT Radial C
C14	1	22uF	EEE-FK2A220P	Panasonic	CAP, AL, 22uF, 100V, +/-20%, 1.3 ohm, SMD	SMT Radial F
D1, D2	2		HD04-T	Diodes Inc.	Diode, Switching-Bridge, 400V, 0.8A, MiniDIP	MiniDIP
D3, D7	2		ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200V, 1A, SMA	SMA
D4, D5, D6, D8, D9, D10	6		MMSD4148T1G	ON Semiconductor	Diode, Switching, 100V, 0.2A, SOD-123	SOD-123
D11	1	58V	SMAJ58A	Diodes Inc.	Diode, TVS, Uni, 58 V, 400 W, SMA	SMA
D12	1		BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30V, 0.2A, SOT-23	SOT-23
J1, J2	2		1-406541-1	AMP	RJ-45, Right Angle, No LED, tab up	16.26x14.54x15.75
J3, J4, J5	3		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L1, L2, L3, L4	4	30 ohm	MMZ2012R300A	TDK	1.5A Ferrite Bead, 30 ohm @ 100MHz, SMD	805
L5	0	DNP	LPS4018-332MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 3.3 µH, 1.9 A, 0.08 ohm, SMD	LPS4018
Q1, Q4	2		MMBT3906-7-F	Diodes Inc.	Transistor, PNP, 40V, 0.2A, SOT-23	SOT-23
Q2, Q5	2		FDS6298	Fairchild Semiconductor	MOSFET, N-CH, 30 V, 13 A, SOIC-8	SOIC-8
Q3	1		FDC86244	Fairchild Semiconductor	MOSFET, N-CH, 150 V, 2.3 A, SuperSOT-6	SuperSOT-6
R24	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	603
R5, R11	2	4.7	CRCW06034R70JNEA	Vishay-Dale	RES, 4.7 ohm, 5%, 0.1W, 0603	603
R13	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10 ohm, 5%, 0.1W, 0603	603
R1, R2, R3, R4	4	75	CRCW060375R0FKEA	Vishay-Dale	RES, 75.0 ohm, 1%, 0.1W, 0603	603
R22	1	90.9	CRCW060390R9FKEA	Vishay-Dale	RES, 90.9, 1%, 0.1 W, 0603	603
R25	1	237	CRCW0603237RFKEA	Vishay-Dale	RES, 237 ohm, 1%, 0.1W, 0603	603
R29	1	348	CRCW0603348RFKEA	Vishay-Dale	RES, 348 ohm, 1%, 0.1W, 0603	603
R18	1	825	CRCW0603825RFKEA	Vishay-Dale	RES, 825 ohm, 1%, 0.1W, 0603	603
R30	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	603
R26, R27	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	603
R17	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	603
R15	1	16.9k	CRCW060316K9FKEA	Vishay-Dale	RES, 16.9 k, 1%, 0.1 W, 0603	603
R28	1	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00k ohm, 1%, 0.1W, 0603	603
R19	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, 0603	603
R12	1	392k	CRCW0603392KFKEA	Vishay-Dale	RES, 392 k, 1%, 0.1 W, 0603	603
R7, R16	2	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99k ohm, 1%, 0.1W, 0603	603
R31	1	5.90k	CRCW06035K90FKEA	Vishay-Dale	RES, 5.90k ohm, 1%, 0.1W, 0603	603
R14	1	59.0k	CRCW060359K0FKEA	Vishay-Dale	RES, 59.0 k, 1%, 0.1 W, 0603	603

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R8	1	0	ERJ-6GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.125W, 0805	805
R20, R21	2	1	CRCW08051R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.125 W, 0805	805
R6	1	20	CRCW080520R0JNEA	Vishay-Dale	RES, 20 ohm, 5%, 0.125W, 0805	805
R9	1	39k	CRCW080539K0JNEA	Vishay-Dale	RES, 39k ohm, 5%, 0.125W, 0805	805
R10, R23	2	3.3	CRCW12063R30JNEA	Vishay-Dale	RES, 3.3 ohm, 5%, 0.25W, 1206	1206
T1	1		H2019FNLT	Pulse Engineering	Transformer, 350uH, SMT	358x236x500mil
T2	1		LDT0567-50	Linkcom Manufacturing Co.	Transformer, Flyback, PoE Class 3	15.14x14x13.5mm
U1	1		TPS23753APW	Texas Instruments	IEEE 802.3-2005 PoE Interface and Isolated Converter Controller with Enhanced ESD Ride-Through, -40 to 125 degC, 14-pin SOP (PW14), Green (RoHS & no Sb/Br)	PW0014A
U2	1		FOD817AS	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, TH-4	DIP-4L Gullwing
U3	1		TLV431AIDBV	Texas Instruments	LOW-VOLTAGE ADJUSTABLE PRECISION SHUNT REGULATOR, DBV0005A	DBV0005A

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