PMP30290 Rev_B BOM.xls None 8/1/2017 12:57:51 PM <Parameter TID not found>



PMP30290 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C8, C11, C23	4	1000pF	1812GC102KA1	AVX	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1812	1812
C2, C3, C9, C10,	5	1000pF	C1608X7R2A102K080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	0603
C16	4	0.04 5	COOCO CA COLLADA OTAL	17 (OAD OEDM 0.04 E 400 V // 400/ VZD 0000	0000
C4, C5, C6, C7	4	0.01uF	C0603C103K1RACTU	Kemet	CAP, CERM, 0.01 μF, 100 V, +/- 10%, X7R, 0603	0603
C12, C13	2	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 µF, 100 V, +/- 10%, X7R, 1210	1210
C14, C24	2	0.1uF	C2012X7R2A104K125AA	TDK	CAP, CERM, 0.1 μF, 100 V, +/- 10%, X7R, 0805	0805
C15	1	22uF	EMVH101ADA220MJA0G	Chemi-Con	CAP, AL, 22 μF, 100 V, +/- 20%, 0.55 ohm, SMD	JA0
C17, C18, C19	3	100uF	C1210C107M8PACTU	Wurth Elektronik	CAP, CERM, 100 μF, 10 V, +/- 20%, X5R, 1210	1210
C20, C26, C29	3	1uF	885012206052	Wurth Elektronik	CAP, CERM, 1 μF, 16 V, +/- 10%, X7R, 0603	0603
C21, C31	2	0.1uF	885012206046	Wurth Elektronik	CAP, CERM, 0.1 μF, 16 V, +/- 10%, X7R, 0603	0603
C22	1	22uF	12103D226MAT2A	AVX	CAP, CERM, 22 μF, 25 V, +/- 20%, X5R, 1210	1210
C25	1	470pF	GRM1885C1H471JA01D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C27	1	0.47uF	GRM188R71C474KA88D	MuRata	CAP, CERM, 0.47 μF, 16 V, +/- 10%, X7R, 0603	0603
C28	1	0.068uF	GRM188R71H683KA93D	MuRata	CAP, CERM, 0.068 μF, 50 V, +/- 10%, X7R, 0603	0603
C30	1	220pF	GRM1885C1H221JA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
D1	1	100V	B1100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 1 A, SMA	SMA
D2, D3, D4, D5,	8	MBR1H100S	MBR1H100SFT3G	ON Semiconductor	Diode, Schottky, 100 V, 1 A, SOD-123FL	SOD-123FL
D7, D8, D9, D10						
D6	1	58V	SMAJ58A-13-F	Diodes Inc.	Diode, TVS, Uni, 58 V, SMA	SMA
D11, D13	2	15V	MMSZ5245BS-7-F	Diodes Inc.	Diode, Zener, 15 V, 200 mW, SOD-323	SOD-323
D12, D17	2	MBR0530T1G	MBR0530T1G	ON Semiconductor	Diode, Schottky, 30 V, 0.5 A, SOD-123	SOD-123
D14	1	DNP	PDS360-13	Diodes Inc.	Diode, Schottky, 60 V, 3 A, PowerDI5	PowerDI5
D15	1		MURA120T3G	ON Semiconductor	Diode, Ultrafast, 200 V, 1 A, SMA	SMA
D16	1		MMSD4148T1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOD-123	SOD-123
D18	1	BAT54S-7-F	BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, 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	2		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
L1, L2, L3, L4	4	220 ohm	MPZ1608S221A	TDK	Ferrite Bead, 220 ohm @ 100 MHz, 2.2 A, 0603	0603
L5	1	10uH	LPS4018-103MRB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 10 µH, 1.25 A, 0.18 ohm, SMD	LPS4018
Q1	1	CSD17578Q3A	CSD17578Q3A	Texas Instruments	MOSFET, N-CH, 30 V, 14 A, DNH0008A (VSONP-8)	DNH0008A
Q2	1	FDC86244	FDC86244	Fairchild Semiconductor	MOSFET, N-CH, 150 V, 2.3 A, SuperSOT-6	SuperSOT-6
R1, R2, R3, R4, R5, R6	6	75.0	CRCW060375R0FKEA	Vishay-Dale	RES, 75.0, 1%, 0.1 W, 0603	0603
R7, R10, R11	3	10	CRCW080510R0JNEA	Vishay-Dale	RES, 10, 5%, 0.125 W, 0805	0805
R8	1	39k	CRCW080539K0JNEA	Vishay-Dale	RES, 39 k, 5%, 0.125 W, 0805	0805
R9	1	10.0	CRCW201010R0FKEF	Vishay-Dale Vishay-Dale	RES, 10.0, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R12	1	49.9	RC0603FR-0749R9L	Yageo America	RES, 49.9, 1%, 0.1 W, 0603	0603
R13, R19	2	10.0k	RC0603FR-0710KL	Yageo America	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R14	1	24.3k	RC0603FR-0724K3L	Yageo America	RES, 24.3 k, 1%, 0.1 W, 0603	0603
R15	1	681	RC0603FR-07681RL	Yageo America	RES, 681, 1%, 0.1 W, 0603	0603
R16	1	24.9k	RC0603FR-0724K9L	Yageo America	RES, 661, 1%, 0.1 W, 0603	0603
R17	4			<u> </u>		
	1	2.21k	RC0603FR-072K21L	Yageo America	RES, 2.21 k, 1%, 0.1 W, 0603	0603
R18	1	0.15	ERJ-8BSFR15V	Panasonic	RES, 0.15, 1%, 0.5 W, 1206	1206
R20	1	100k	RC0603FR-07100KL	Yageo America	RES, 100 k, 1%, 0.1 W, 0603	0603
R21	1	90.9	RC0603FR-0790R9L	Yageo America	RES, 90.9, 1%, 0.1 W, 0603	0603
R22	1	22.1k	RC0603FR-0722K1L	Yageo America	RES, 22.1 k, 1%, 0.1 W, 0603	0603
R23	1	332	RC0603FR-07332RL	Yageo America Page 1 c	RES, 332, 1%, 0.1 W, 0603	0603

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R24	1	9.09k	RC0603FR-079K09L	Yageo America	RES, 9.09 k, 1%, 0.1 W, 0603	0603
R25	1	34.0k	RC0603FR-0734KL	Yageo America	RES, 34.0 k, 1%, 0.1 W, 0603	0603
R26	1	3.65k	RC0603FR-073K65L	Yageo America	RES, 3.65 k, 1%, 0.1 W, 0603	0603
R27	1	1.50k	RC0603FR-071K5L	Yageo America	RES, 1.50 k, 1%, 0.1 W, 0603	0603
T1	1	350uH	H2019FNLT	Pulse Engineering	Transformer, 350uH, SMT	358x236x500mil
T2	1	198uH	NA6223-AL	Coilcraft	Transformer, Flyback, 198 uH	699x500x530mil
TP1	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature
						Testpoint
TP2	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature
						Testpoint
TP3	1		5002	Keystone	Test Point, Miniature, White, TH	White Miniature
						Testpoint
U1	1	TPS23752PWP	TPS23752PWP	Texas Instruments	IEEE 802.3at PoE Interface and Green-mode DC/DC Controller,	PWP0020D
					PWP0020D (TSSOP-20)	
U2	1	TCMT1107	TCMT1107	Vishay-Semiconductor	Optocoupler, 3.75 kV, 80-160% CTR, SMT	SOP-4
U3	1	TL431AIDBZRG4	TL431AIDBZRG4	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85	DBZ0003A
		_			degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	

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