-	Texas Instr	UMENTS

PMP22301 REV B Bill of Materials

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N/A			PMP2	2301 REV B Bill of	Materials 111011	RUMENIS
Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C23	1	100pF	GRM21A5C2E101JW01D	MuRata	CAP, CERM, 100 pF, 250 V, +/- 5%, C0G/NP0, 0805	0805
C8, C9, C10	3	1000pF	C1608X7R2A102K080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	0603
C2, C3, C4, C5	4	0.01uF	885012206114	Wurth Elektronik	CAP, CERM, 0.01 µF, 100 V,+/- 10%, X7R, 0603	0603
C32	1	0.027uF	GRM188R71E273KA01D	MuRata	CAP, CERM, 0.027 uF, 25 V, +/- 10%, X7R, 0603	0603
C31	1	0.047uF	GRM188R71E473KA01D	MuRata	CAP, CERM, 0.047 uF, 25 V, +/- 10%, X7R, 0603	0603
C25	1	0.1uF	C1608X7R1E104K080AA	TDK	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
C30	1	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C12	1	330pF	GRM21A5C2E331JW01D	MuRata	CAP, CERM, 330 pF, 250 V,+/- 5%, C0G/NP0, 0805	0805
C7, C16, C29		0.1uF	885012207128	Wurth Elektronik	CAP, CERM, 0.1 µF, 100 V,+/- 10%, X7R, 0805	0805
C22, C26, C28, C33	4	1uF	885012207103	Wurth Elektronik	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	0805
C14, C15, C34	3	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 uF, 100 V, +/- 10%, X7R, 1210	1210
C18, C19, C20,		4.7uF	GRM32ER71H475KA88L	MuRata	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1210	1210
C21				1	,	
C1, C6	2	1000pF	GR443QR73D102KW01L	MuRata	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1812	1812
C11, C24		2200pF	C4532X7R3D222K130KA	TDK	CAP, CERM, 2200 pF, 2000 V, +/- 10%, X7R, 1812	1812
C17		22uF	35SVPF22M	Panasonic	CAP, Aluminum Polymer, 22 uF, 35 V, +/- 20%, 0.035 ohm, F61 SMD	F61
C27		22uF	EEE-FK1E220R	Panasonic	CAP, AL, 22 uF, 25 V, +/- 20%, 0.7 ohm, AEC-Q200 Grade 2, SMD	SMT Radial C
C13		47uF	EEE-FK1J470P	Panasonic	CAP, AL, 47 uF, 63 V, +/- 20%, 0.65 ohm, AEC-Q200 Grade 2, SMD	SMT Radial F
D1	1	100V	B2100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 2 A, SMB	SMB
D2, D3, D4, D5, D6, D7, D8, D9	8	100V	B1100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 1 A, SMA	SMA
D10	1	150V	FSV10150V	Fairchild Semiconductor	Diode, Schottky, 150 V, 10 A, AEC-Q101, TO-277A	TO-277A
D11	1	200V	ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200 V, 1 A, SMA	SMA
D12, D13	2	100V	MMSD4148T1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOD-123	SOD-123
D14		58V	SMBJ58A-13-F	Diodes Inc.	Diode, TVS, Uni, 58 V, 93.6 Vc, SMB	SMB
D15	1	30V	BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
J1, J2	2		1-406541-1	TE Connectivity	RJ45, No LED, tab up, R/A, TH	16.26x14.54x15.75
J3, J5	2		691214110002	Wurth Elektronik	Terminal Block, 3.5mm, 2x1, Tin, TH	Receptacle, 3.5mm, 2x1, TH
J4	1		999-11-110-10-000000	Mill-Max	Shorting Jumper, 2.54mm, 2 Position, Gold, TH	Shorting Jumper, 2.54mm, 2 Position, Gold, TH
J6	1		61300211121	Wurth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
L1, L2, L3, L4	4	600 ohm	742792040	Wurth Elektronik	Ferrite Bead, 600 ohm @ 100 MHz, 2 A, 0805	0805
L5		2.2uH	74438356033	Wurth Elektronik	Inductor, Shielded, 3.3 uH, 3.6 A, 0.0399 ohm, SMD	4.1x4.1mm
Q1	1	150V	FDMS86252	Fairchild Semiconductor	MOSFET, N-CH, 150 V, 4.6 A, PQFN08A	PQFN08A
R26	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R15	1	4.7	CRCW06034R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R1, R2, R3, R4, R5, R6, R7, R8	8	75.0	CRCW060375R0FKEA	Vishay-Dale	RES, 75.0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R12	1	100	CRCW0603100RJNEA	Vishay-Dale	RES, 100, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R18	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R34	1	1.15k	CRCW06031K15FKEA	Vishay-Dale	RES, 1.15 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R27	1	1.50k	CRCW06031K50FKEA	Vishay-Dale	RES, 1.50 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R30	1	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603

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Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R31		4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R29	1	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R24, R28, R32,	4	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R33						
R25	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R20	1	28.0k	CRCW060328K0FKEA	Vishay-Dale	RES, 28.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R22	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R19	1	69.8k	CRCW060369K8FKEA	Vishay-Dale	RES, 69.8 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R21	1	274k	CRCW0603274KFKEA	Vishay-Dale	RES, 274 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R16	1	301k	CRCW0603301KFKEA	Vishay-Dale	RES, 301 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R13	1	20	CRCW080520R0JNEA	Vishay-Dale	RES, 20, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R23	1	63.4	CRCW080563R4FKEA	Vishay-Dale	RES, 63.4, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R11	1	39k	CRCW080539K0JNEA	Vishay-Dale	RES, 39 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R14	1	75	CRCW201075R0JNEF	Vishay-Dale	RES, 75, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R9, R10	2	100	CRCW2010100RJNEF	Vishay-Dale	RES, 100, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R17	1	0.1	ERJ-L1WKF12CU	Panasonic	RES, 0.12, 1%, 1 W, 2512	2512
T1	1	350uH	7490220121	Wurth Elektronik	Transformer, 350 uH, SMT	14.7x18.29mm
T2	1		750318587	Wurth	Transformer, SMT Flyback for PoE/PD, 25W, 24V, 1A	SMT_TRANSFORME
						R 20MM57 20MM57
U1	1		TPS23754PWP	Texas Instruments	IEEE 802.3at, High Efficiency, PoE Interface and DC/DC Controller,	PWP0020D
					PWP0020D (HTSSOP-20)	
U2	1		PC357N4J000F	Sharp Microelectronics	Optocoupler, 3.75 kV, 300-600% CTR, SMT	4.4x2.6x3.6mm
U3	1		TCMT1107	Vishay-Semiconductor	Optocoupler, 3.75 kV, 80-160% CTR, SMT	SOP-4
U4	1		TL431LIAIDBZR	Texas Instruments	Programmable Shunt Regulator with Optimized Reference Current,	DBZ0003A
					DBZ0003A (SOT-23-3)	
L6	0	330nH	744383430033	Wurth Elektronik	Inductor, Shielded, 330 nH, 2.5 A, 0.053 ohm, SMD	1.6x2.0mm

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