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PMP9463 Xilinx Ultrascale Kintex MGT BOM

Designator	Description	Manufacturer	PartNumber	Quantity
!PCB1	Printed Circuit Board	Any	SAT0104	1
C1, C2, C12, C15, C30, C37, C40, C53, C56, C59	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0402	MuRata	GRM155R61E104KA87D	10
C3	CAP, CERM, 220pF, 50V, +/-10%, X7R, 0402	MuRata	GRM155R71H221KA01D	1
C4, C32	CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0402	MuRata	GRM155R71E472KA01D	2
C5, C27, C29, C33, C50, C52, C54, C67, C69	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	MuRata	GRM155R61A105KE15D	9
C6, C7, C8, C34, C35, C36	CAP, CERM, 22uF, 16V, +/-20%, X5R, 1206	MuRata	GRM31CR61C226ME15L	6
C13, C38	CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0402	MuRata	GRM1555C1H470JA01D	2
C14, C39	CAP, CERM, 560pF, 50V, +/-5%, C0G/NP0, 0402	MuRata	GRM1555C1H561JA01D	2
C16, C41	CAP, TA, 330uF, 2V, +/-20%, 0.003 ohm, SMD	Panasonic	EEF-GX0D331R	2
C18, C43, C60	CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402	MuRata	GRM1555C1H331JA01D	3
C19, C20, C21, C44, C45, C46	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210	MuRata	GRM32ER60J107ME20L	6
C25, C48	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402	MuRata	GRM155R71H102KA01D	2
C26, C49	CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E472KA01D	2
C31	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603	MuRata	GRM188R61E104KA01D	1
C55	CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805	MuRata	GRM21BR61A226ME44	1
C57	CAP, CERM, 27pF, 50V, +/-5%, C0G/NP0, 0402	MuRata	GRM1555C1H270JA01D	1
C58	CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402	MuRata	GRM155R72A471KA01D	1
C61, C62	CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1210	MuRata	GRM32ER60J476ME20L	2
C65	CAP, CERM, 1200pF, 50V, +/-10%, X7R, 0402	MuRata	GRM155R71H122KA01D	1
C66	CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402	MuRata	GRM155R71H152KA01D	1
D1	Diode, Schottky, 30V, 0.2A, SOD-323	ON Semiconductor	BAT54HT1G	1
J1	Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch	Samtec	BSE-040-01-L-D-A	1
J2	Connector, Powerstrip F, 8 pin	Samtec	MPS-08-7.70-01-L-V	1
L1, L2	Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD	Vishay-Dale	IHLP2525CZERR82M01	2
L3	Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD	Wurth Elektronik eiSos	74437324082	1
R1, R2	RES, 3.92k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW04023K92FKED	2
R3, R28, R50	RES, 10 ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW040210R0JNED	3
R4, R29, R51	RES, 100k ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW0402100KJNED	3
R5, R6, R30, R52	RES, 10.0k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040210K0FKED	4
R8, R33	RES, 21.5k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040221K5FKED	2
R9, R34, R56	RES, 5.1 ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW04025R10JNED	3
R10, R35, R39, R57	RES, 10.0k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-103-B-T5	4

Designator	Description	Manufacturer	PartNumber	Quantity
R11, R36	RES, 0.33 ohm, 1%, 0.25W, 1206	Panasonic	ERJ-8RQFR33V	2
R12	RES, 866 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402866RFKED	1
R13, R15, R38, R40, R60, R62	RES, 100 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402100RFKED	6
R14	RES, 15.0k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-153-B-T5	1
R17	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	1
R18, R42, R49, R53	RES, 36.5k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040236K5FKED	4
R19, R43, R48	RES, 54.9k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040254K9FKED	3
R20, R44, R47	RES, 84.5k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040284K5FKED	3
R21, R45, R46	RES, 130k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402130KFKED	3
R22, R23, R24	RES, 100k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603100KJNEA	3
R25, R64, R65	RES, 10k ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW040210K0JNED	3
R26	RES, 0 ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW04020000Z0ED	1
R31	RES, 15.4k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040215K4FKED	1
R37	RES, 825 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402825RFKED	1
R55	RES, 28.0k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040228K0FKED	1
R58	RES, 1.00 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031R00FKEA	1
R59	RES, 619 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402619RFKED	1
R61	RES, 4.99k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-4991-B-T5	1
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12	Test Point, Miniature, SMT	Keystone	5015	12
U1	LinCMOS Timer, D0008A	Texas Instruments	TLC555CD	1
U2, U6, U9	3.0-V TO 20-V PMBus SYNCHRONOUS BUCK CONTROLLER, RHL0024A	Texas Instruments	TPS40400RHL	3
U3, U7, U10	MOSFET, N/P-CH, 25V, 20A, 3.4x1.4x3.4mm	Texas Instruments	CSD86330Q3D	3
U4, U8	IC, Dual, 14 Ohms SP4T Analog Switch	TI	TS3A5017RGY	2
U5	Power Sequencer, 6-pin SOT-23	National Semiconductor	LM3880MF-1AA	1

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