

MPS Reference Design for Xilinx BOM

Quantity	Designator	Value	Description	Package	Manufacturer	Manufacturer P/N
3	C1, C6, C10	22uF	Ceramic Cap, 25V, X5R	0805	muRata	GRM21BR61E226ME44L
4	C2, C7, C11, C17	47uF	Ceramic Cap, 6.3V, X5R	0805	muRata	GRM21BR60J476ME15L
3	C2A, C7A, C11A	NS	Ceramic Cap	0805		
3	C3, C9, C12	22pF	Ceramic Cap, 50V, C0G	0402	muRata	GRM1555C1H220JA01
1	C4, C13	10uF	Ceramic Cap, 25V, X5R	0805	muRata	GRM21BR61E106KA73L
1	C5	22uF	Ceramic Cap, 16V, X5R	0805	muRata	GRM219R61C226ME15L
1	C5A	NS	Ceramic Cap	0805		
2	C14, C16	0.1uF	Ceramic Cap, 16V, X7R	0603	muRata	GRM188R71C104KA01D
1	C15	4.7uF	Ceramic Cap, 16V, X7R	0805	muRata	GRM21BR71C475KA73L
3	C18, C19, C20	1uF	Ceramic Cap, 10V, X7R	0603	muRata	GRM188R71A105KA61D
1	C21	NS	Electrolytic Cap.	B6		
2	R1, R9	100k	Film Resistor, 1%	0402	Yageo	RC0402FR-07100KL
3	R2, R14, R21	52.3k	Film Resistor, 1%	0402	Yageo	RC0402FR-0752K3L
8	R3, R10, R15, R17, R22, R24, R30, R31	0	Film Resistor, 1%	0402	Yageo	RC0402FR-070RL
3	R4, R16, R23	10k	Film Resistor, 1%	0402	Yageo	RC0402FR-0710KL
4	R5, R6, R18, R25	51k	Film Resistor, 1%	0402	Yageo	RC0402FR-0751KL
1	R7	76.8k	Film Resistor, 1%	0402	Yageo	RC0402FR-0776K8L
5	R8, R13, R20, R28, R29	NS	Film Resistor	0402		
1	R11	102k	Film Resistor, 1%	0402	Yageo	RC0402FR-07102KL
1	R12	82k	Film Resistor, 1%	0402	Yageo	RC0402FR-0782KL
1	R19	11.3k	Film Resistor, 1%	0402	Yageo	RC0402FR-0711K3L
1	R26	34k	Film Resistor, 1%	0402	Yageo	RC0402FR-0734KL
1	R27	20	Film Resistor, 1%	0402	Yageo	RC0402FR-0720RL
14	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP14, TP15, TP16, TP17	TP1MM	Test Point	TP1MM	Any	Any
3	U1, U3, U4	MPM3630	Synchronous Step-Down Module	QFN20	MPS	MPM3630GQV
1	U2	MPM3610	Synchronous Step-Down Module	QFN20	MPS	MPM3610AGQV
1	U5	MP20073DH	Termination Regulator	MSOP8EP	MPS	MP20073DH
1	U6	MP20043-J	LDO Regulator	TQFN8	MPS	MP20043DGT-J-LF-Z