

LCMXO2-4000ZE-3TG144C



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Part Number: [LCMXO2-4000ZE-3TG144C](#)

Manufacturer: [Lattice Semiconductor](#)

Description: IC FPGA 114 I/O 144TQFP

Data sheet:  [Product Selector Guide](#)
 [MachXO2™ Family Datasheet](#)
 [MachXO2 Family Qualification Summary](#)
 [MachXO2 Family Handbook](#)
 [Leaded Pkg PCB Layout Guide](#)

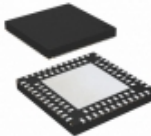
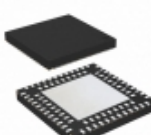
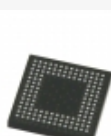
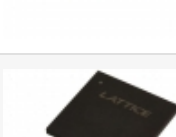
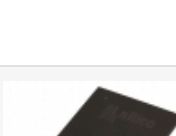
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	LCMXO2-4000ZE-3TG144C	Manufacturer	Lattice Semiconductor
Description	IC FPGA 114 I/O 144TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	7980 pcs	Data sheet	Product Selector Guide MachXO2™ Family Datasheet MachXO2 Family Qualification Summary MachXO2 Family Handbook Leaded Pkg PCB Layout Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	1.14 V ~ 1.26 V
Total RAM Bits	94208	Supplier Device Package	144-TQFP (20x20)
Series	MachXO2	Package / Case	144-LQFP
Operating Temperature	0°C ~ 85°C (TJ)	Number of Logic Elements/Cells	4320
Number of LABs/CLBs	540	Number of I/O	114
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	9 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Base Part Number	LCMXO2-4000		
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	Part#: LCMXO2-4000ZE-3QN84C Description: IC FPGA 68 I/O 84QFN	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-640HC-4TG100C Description: IC FPGA 70 I/O 100TQFP	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-4000ZE-3QN84I Description: IC FPGA 68 I/O 84QFN	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-640HC-4MG132C2U Description: IC PLD 640LUTS 132-CSBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-4000ZE-3BG332C Description: IC FPGA 274 I/O 332CABGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-4000ZE-3MG132I Description: IC FPGA 104 I/O 132CSBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-4000ZE-3TG144I Description: IC FPGA 114 I/O 144TQFP	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-4000ZE-3FG484I Description: IC FPGA 278 I/O 484FBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-640HC-4TG100I Description: IC FPGA 70 I/O 100TQFP	Manufacturers: Lattice Semiconductor	RFQ
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	Part#: LCMXO2-640HC-4MG132I Description: IC FPGA 79 I/O 132CSBGA	Manufacturers: Lattice Semiconductor	RFQ
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	Part#: LCMXO2-640HC-5MG132C Description: IC FPGA 79 I/O 132CSBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-4000ZE-3FTG256C Description: IC FPGA 206 I/O 256FTBGA	Manufacturers: Lattice Semiconductor	RFQ
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	Part#: LCMXO2-4000ZE-3FG484C Description: IC FPGA 278 I/O 484FBGA	Manufacturers: Lattice Semiconductor	RFQ
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