

LCMXO2-2000HE-5TG144I



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Part Number: [LCMXO2-2000HE-5TG144I](#)

Manufacturer: [Lattice Semiconductor](#)

Description: IC FPGA 111 I/O 144TQFP

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

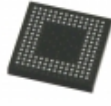
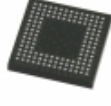
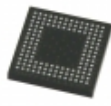
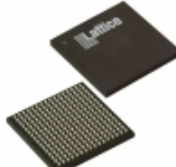
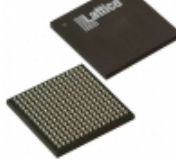
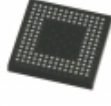
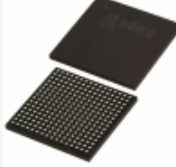
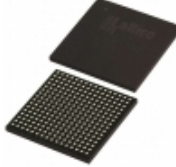
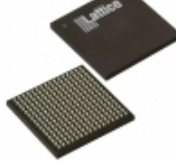
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	LCMXO2-2000HE-5TG144I	Manufacturer	Lattice Semiconductor
Description	IC FPGA 111 I/O 144TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	6952 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	75776	Supplier Device Package	144-TQFP (20x20)
Series	MachXO2	Package / Case	144-LQFP
Operating Temperature	-40°C ~ 100°C (TJ)	Number of Logic Elements/Cells	2112
Number of LABs/CLBs	264	Number of I/O	111
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	LCMXO2-2000		
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	Part#: LCMXO2-2000HE-4TG144I Description: IC FPGA 111 I/O 144TQFP	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-2000HE-6MG132I Description: IC FPGA 104 I/O 132CSBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-2000HE-5TG144C Description: IC FPGA 111 I/O 144TQFP	Manufacturers: Lattice Semiconductor	RFQ
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	Part#: LCMXO2-2000HE-6FTG256I Description: IC FPGA 206 I/O 256FTBGA	Manufacturers: Lattice Semiconductor	RFQ
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