

LCMXO2-256HC-6SG32CAIC



Part Number: [LCMXO2-256HC-6SG32CAIC](#)

Manufacturer: [Lattice Semiconductor](#)

Description: IC FPGA 21 I/O 32QFN

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

RoHs Status: Lead free / RoHS Compliant

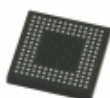
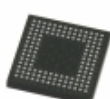
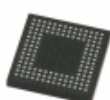
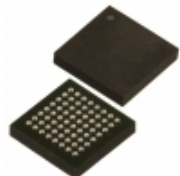
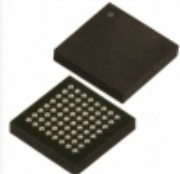
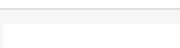
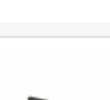
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See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	LCMXO2-256HC-6SG32CAIC	Manufacturer	Lattice Semiconductor
Description	IC FPGA 21 I/O 32QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	24410 pcs	Data sheet	Product Selector Guide MachXO2™ Family Datasheet MachXO2 Family Qualification Summary Leaded Pkg PCB Layout Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	2.375 V ~ 3.465 V
Supplier Device Package	32-QFNS (5x5)	Series	MachXO2
Package / Case	32-UFQFN Exposed Pad	Operating Temperature	0°C ~ 85°C (TJ)
Number of Logic Elements/Cells	256	Number of LABs/CLBs	32
Number of I/O	21	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		
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RELATED PRODUCTS			
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	Part#: LCMXO2-256HC-6SG32I Description: IC FPGA 21 I/O 32QFN	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-256HC-6MG132I Description: IC FPGA 55 I/O 132CSBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-256HC-6SG48I Description: MACHXO2 HIGH PERFORMANCE 256 LUT	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-256ZE-1MG132I Description: IC FPGA 55 I/O 132CSBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-256HC-6MG132C Description: IC FPGA 55 I/O 132CSBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-256HC-5SG32I Description: IC FPGA 21 I/O 32QFN	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-256HC-6TG100I Description: IC FPGA 55 I/O 100TQFP	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LCMXO2-256HC-5UMG64I Description: IC FPGA 44 I/O 64UCBGA	Manufacturers: Lattice Semiconductor	RFQ
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	Part#: LCMXO2-256HC-5SG48C Description: MACHXO2 HIGH PERFORMANCE 256 LUT	Manufacturers: Lattice Semiconductor	RFQ

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