

ICE40HX640-VQ100



Part Number: [ICE40HX640-VQ100](#)

Manufacturer: [Lattice Semiconductor](#)

Description: IC FPGA 67 I/O 100VQFP

Data sheet:  [Product Selector Guide](#)
 [Package Diagrams](#)
 [Leaded Pkg PCB Layout Guide](#)
 [ICE40™ HX Series Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

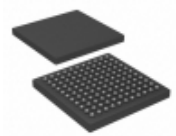
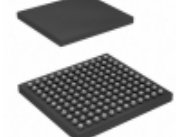
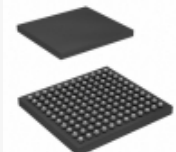
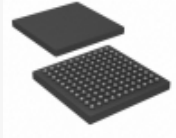
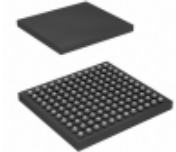
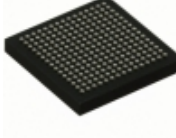
Ship From: Hong Kong

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See Product Specifications for product details.
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Request For Quotation

PRODUCT PARAMETER			
Part Number	ICE40HX640-VQ100	Manufacturer	Lattice Semiconductor
Description	IC FPGA 67 I/O 100VQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4598 pcs	Data sheet	Product Selector Guide Package Diagrams Leaded Pkg PCB Layout Guide ICE40™ HX Series Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply	1.14 V ~ 1.26 V
Total RAM Bits	32768	Supplier Device Package	100-TQFP (14x14)
Series	HX	Package / Case	100-LQFP
Other Names	220-1559	Operating Temperature	-40°C ~ 100°C (TJ)
Number of Logic Elements/Cells	640	Number of LABs/CLBs	80
Number of I/O	67	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Base Part Number	ICE40		
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	Part#: ICE40HX8K-BG121 Description: ICE40HX ULTRA LOW-POWER, 7680 LU	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX1K-STICK-EVN Description: BOARD EVAL FPGA ICESTICK	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX4K-CB132 Description: IC FPGA 95 I/O 132CSBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX8K-CB132 Description: IC FPGA 95 I/O 132CSBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40LM1K-CM36TR1K Description: IC FPGA 28 I/O 36UCBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX4K-BG121 Description: ICE40HX ULTRA LOW-POWER, 3520 LU	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX1K-CB132 Description: IC FPGA 95 I/O 132CSBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX8K-B-EVN Description: ICE40-HX8K BREAKOUT BOARD	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX8K-CM225 Description: IC FPGA 178 I/O 225UCBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX1K-VQ100 Description: IC FPGA 72 I/O 100VQFP	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX4K-BG121TR Description: ICE40HX ULTRA LOW-POWER, 3520 LU	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX8K-BG121TR Description: ICE40HX ULTRA LOW-POWER, 7680 LU	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX4K-TQ144 Description: IC FPGA 107 I/O 144TQFP	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40LM1K-CM36 Description: IC FPGA 28 I/O 36UCBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40LM1K-CM49 Description: IC FPGA LP 3502LUTS 1.2V 49UCBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX8K-CT256 Description: IC FPGA 206 I/O 256CABGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX1K-BLINK-EVN Description: BOARD EVAL ICEBLINK40-HX1K	Manufacturers: Lattice Semiconductor	RFQ
	Part#: ICE40HX8K-DRAGON-EVN Description: BOARD EVAL FOR ICE40HX	Manufacturers: Lattice Semiconductor	RFQ

Related keywords for ICE40HX640-VQ100

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