

LCMXO2-7000HE-6TG144C



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Part Number: LCMXO2-7000HE-6TG144C

Manufacturer: Lattice Semiconductor

Description: IC FPGA 114 I/O 144TQFP

Data sheet:

Product Selector Guide

MachXO2™ Family Datasheet

Package Diagrams

MachXO2 Family Qualification Summary

MachXO2 Family Handbook

Leaded Pkg PCB Layout Guide

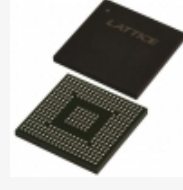
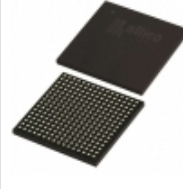
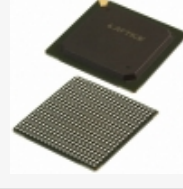
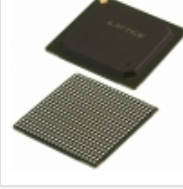
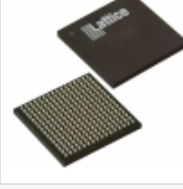
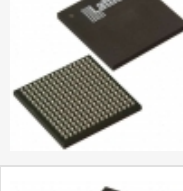
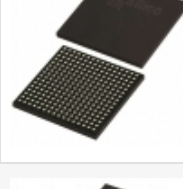
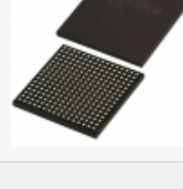
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                  |                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                   | LCMXO2-7000HE-6TG144C                     | Manufacturer                     | <a href="#">Lattice Semiconductor</a>                                                                                                                                                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC FPGA 114 I/O 144TQFP                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 6075 pcs                                  | Data sheet                       | <a href="#">Product Selector Guide</a><br><a href="#">MachXO2™ Family Datasheet</a><br><a href="#">Package Diagrams</a><br><a href="#">MachXO2 Family Qualification Summary</a><br><a href="#">MachXO2 Family Handbook</a><br><a href="#">Leaded Pkg PCB Layout Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.14 V ~ 1.26 V                                                                                                                                                                                                                                                           |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                | 245760                                    | Supplier Device Package          | 144-TQFP (20x20)                                                                                                                                                                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | MachXO2                                   | Package / Case                   | 144-LQFP                                                                                                                                                                                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                         | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 6864                                                                                                                                                                                                                                                                      |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                           | 858                                       | 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                                                                                                                                                                                                                                                                                                                                                                                                              | LCMXO2-7000                               |                                  |                                                                                                                                                                                                                                                                           |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Lattice Semiconductor series electronic components. We have 6075 pieces of Lattice Semiconductor LCMXO2-7000HE-6TG144C in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: info@Components-World.com |                                           |                                  |                                                                                                                                                                                                                                                                           |

| RELATED PRODUCTS                                                                   |                                                                                        |                                                      |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">LCMXO2-7000HE-5TG144C</a><br>Description: IC FPGA 114 I/O 144TQFP   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-6BG332I</a><br>Description: IC FPGA 278 I/O 332CABGA  | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-6FTG256C</a><br>Description: IC FPGA 206 I/O 256FTBGA | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-6FG484I</a><br>Description: IC FPGA 334 I/O 484FBGA   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-6FG484C</a><br>Description: IC FPGA 334 I/O 484FBGA   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000ZE-1BG332I</a><br>Description: IC FPGA 278 I/O 332CABGA  | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000ZE-1BG256I</a><br>Description: IC FPGA 206 I/O 256CABGA  | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000ZE-1FG484C</a><br>Description: IC FPGA 334 I/O 484FBGA   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-6BG332C</a><br>Description: IC FPGA 278 I/O 332CABGA  | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000ZE-1FG484I</a><br>Description: IC FPGA 334 I/O 484FBGA   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-6FTG256I</a><br>Description: IC FPGA 206 I/O 256FTBGA | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000ZE-1BG332C</a><br>Description: IC FPGA 278 I/O 332CABGA  | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-6BG256I</a><br>Description: IC FPGA 206 I/O 256CABGA  | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-B-EVN</a><br>Description: BOARD BREAKOUT MACHX02      | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-6BG256C</a><br>Description: IC FPGA 206 I/O 256CABGA  | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-5TG144I</a><br>Description: IC FPGA 114 I/O 144TQFP   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO2-7000HE-6TG144I</a><br>Description: IC FPGA 114 I/O 144TQFP   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
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|---------------------------------------------|---------------------------------------------------------|--------------------------------|-----------------------------|
| Related keywords for LCMXO2-7000HE-6TG144C  |                                                         |                                |                             |
| Lattice Semiconductor LCMXO2-7000HE-6TG144C | LCMXO2-7000HE-6TG144C distributor                       | LCMXO2-7000HE-6TG144C supplier | LCMXO2-7000HE-6TG144C price |
| LCMXO2-7000HE-6TG144C download datasheet    | LCMXO2-7000HE-6TG144C datasheet                         | LCMXO2-7000HE-6TG144C stock    | buy LCMXO2-7000HE-6TG144C   |
| Lattice Semiconductor LCMXO2-7000HE-6TG144C | Lattice Semiconductor Corporation LCMXO2-7000HE-6TG144C |                                |                             |