

LCMXO640C-5T144C



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Part Number: [LCMXO640C-5T144C](#)

Manufacturer: [Lattice Semiconductor](#)

Description: IC FPGA 113 I/O 144TQFP

Data sheet:  [Package Diagrams](#)  
 [Leaded Pkg PCB Layout Guide](#)  
 [LCMXO\\_MachXO Family Datasheet](#)

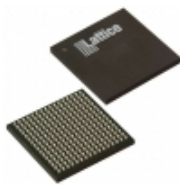
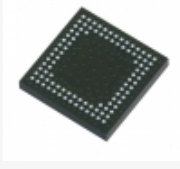
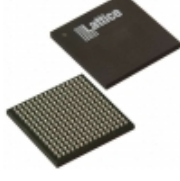
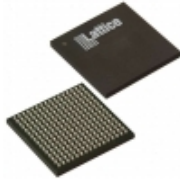
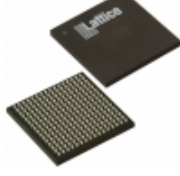
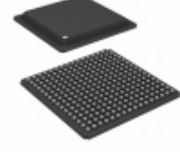
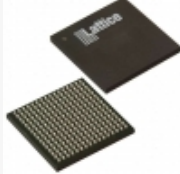
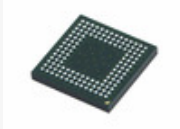
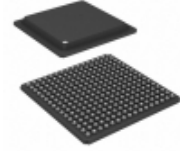
RoHs Status: Contains lead / RoHS non-compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LCMXO640C-5T144C                          | Manufacturer                   | <a href="#">Lattice Semiconductor</a>                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC FPGA 113 I/O 144TQFP                   | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5312 pcs                                  | Data sheet                     | <a href="#">Package Diagrams</a><br><a href="#">Leaded Pkg PCB Layout Guide</a><br><a href="#">LCMXO_MachXO Family Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 1.71 V ~ 3.465 V                                                                                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 144-TQFP (20x20)                          | Series                         | MachXO                                                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 144-LQFP                                  | Operating Temperature          | 0°C ~ 85°C (TJ)                                                                                                                  |
| Number of Logic Elements/Cells                                                                                                                                                                                                                                                                                                                                                                                                                                          | 640                                       | Number of LABs/CLBs            | 80                                                                                                                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 113                                       | Mounting Type                  | Surface Mount                                                                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                                                               |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LCMXO640                                  |                                |                                                                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                      |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">LCMXO640C-5BN256C</a><br>Description: IC FPGA 159 I/O 256CABGA   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640C-5MN100C</a><br>Description: IC FPGA 74 I/O 100CSBGA    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640C-5F256C</a><br>Description: IC FPGA 159 I/O 256FBGA     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640C-5TN100C</a><br>Description: IC FPGA 74 I/O 100TQFP     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640E-3BN256I</a><br>Description: IC FPGA 159 I/O 256CABGA   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640C-5T100C</a><br>Description: IC FPGA 74 I/O 100TQFP      | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640E-3F256I</a><br>Description: IC FPGA 159 I/O 256FBGA     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640C-5FN256C</a><br>Description: IC FPGA 159 I/O 256FBGA    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640E-3BN256C</a><br>Description: IC FPGA 159 I/O 256CABGA   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640C-L-EV</a><br>Description: KIT STD EVALUATION MACHXO 640 | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640E-3B256C</a><br>Description: IC FPGA 159 I/O 256CABGA    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640C-5M100C</a><br>Description: IC FPGA 74 I/O 100CSBGA     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640C-5FT256C</a><br>Description: IC FPGA 159 I/O 256FTBGA   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640C-5MN132C</a><br>Description: IC FPGA 101 I/O 132CSBGA   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640E-3FN256C</a><br>Description: IC FPGA 159 I/O 256FBGA    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640E-3B256I</a><br>Description: IC FPGA 159 I/O 256CABGA    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640C-5TN144C</a><br>Description: IC FPGA 113 I/O 144TQFP    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LCMXO640C-5FTN256C</a><br>Description: IC FPGA 159 I/O 256FTBGA  | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LCMXO640E-3F256C</a><br>Description: IC FPGA 159 I/O 256FBGA     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |

Related keywords for LCMXO640C-5T144C

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| LCMXO640C-5T144C download datasheet    | LCMXO640C-5T144C datasheet                         | LCMXO640C-5T144C stock    | buy LCMXO640C-5T144C   |
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