

L FEC6E-4TN144I



Part Number: [L FEC6E-4TN144I](#)

Manufacturer [Lattice Semiconductor](#)

Description IC FPGA 97 I/O 144TQFP

Data sheet:  [Package Diagrams](#)  
 [Leaded Pkg PCB Layout Guide](#)  
 [ECP, EC Family](#)

RoHs Status: Lead free / RoHS Compliant

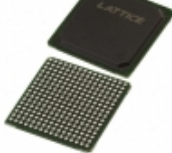
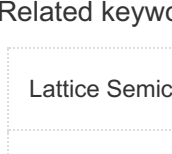
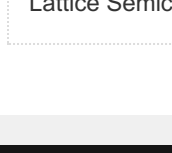
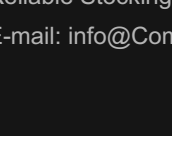
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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                |                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                            | L FEC6E-4TN144I                           | Manufacturer                   | <a href="#">Lattice Semiconductor</a>                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC FPGA 97 I/O 144TQFP                    | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5645 pcs                                  | Data sheet                     | <a href="#">Package Diagrams</a><br><a href="#">Leaded Pkg PCB Layout Guide</a><br><a href="#">ECP, EC Family</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 1.14 V ~ 1.26 V                                                                                                   |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 94208                                     | Supplier Device Package        | 144-TQFP (20x20)                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EC                                        | Package / Case                 | 144-LQFP                                                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 100°C (TJ)                        | Number of Logic Elements/Cells | 6100                                                                                                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 97                                        | Mounting Type                  | Surface Mount                                                                                                     |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                        |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                       | L FEC6                                    |                                |                                                                                                                   |
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| RELATED PRODUCTS                                                                   |                                                                                   |                                                      |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------|---------------------|
|  | Part#: <a href="#">L FEC6E-4Q208C</a><br>Description: IC FPGA 147 I/O 208QFP      | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-4T144C</a><br>Description: IC FPGA 97 I/O 144TQFP      | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-L-EV</a><br>Description: BOARD EVAL FOR LATTICEEC6 STD | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-4FN484C</a><br>Description: IC FPGA 224 I/O 484FBGA    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-5Q208C</a><br>Description: IC FPGA 147 I/O 208QFP      | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-4T144I</a><br>Description: IC FPGA 97 I/O 144TQFP      | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-4QN208I</a><br>Description: IC FPGA 147 I/O 208QFP     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-4Q208I</a><br>Description: IC FPGA 147 I/O 208QFP      | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-5FN484C</a><br>Description: IC FPGA 224 I/O 484FBGA    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-4FN484I</a><br>Description: IC FPGA 224 I/O 484FBGA    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-5QN208C</a><br>Description: IC FPGA 147 I/O 208QFP     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-5TN144C</a><br>Description: IC FPGA 97 I/O 144TQFP     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-4QN208C</a><br>Description: IC FPGA 147 I/O 208QFP     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-5F256C</a><br>Description: IC FPGA 195 I/O 256FBGA     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-5F256C</a><br>Description: IC FPGA 195 I/O 256FBGA     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-5F256C</a><br>Description: IC FPGA 195 I/O 256FBGA     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-5TN144C</a><br>Description: IC FPGA 97 I/O 144TQFP     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-4FN256I</a><br>Description: IC FPGA 195 I/O 256FBGA    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-4TN144C</a><br>Description: IC FPGA 97 I/O 144TQFP     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">L FEC6E-5F484C</a><br>Description: IC FPGA 224 I/O 484FBGA     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |

| Related keywords for L FEC6E-4TN144I  |                                                   |                          |                       |
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