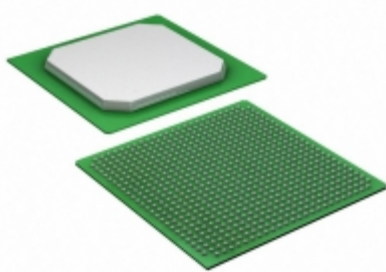


EP4CGX150DF27C8N



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [EP4CGX150DF27C8N](#)

**Manufacturer:** [Altera \(Intel® Programmable Solutions Group\)](#)

**Description:** IC FPGA 393 I/O 672FBGA

**Data sheet:**  [Cyclone IV FPGA Overview](#)  
 [Cyclone IV Device Datasheet](#)  
 [Virtual JTAG Megafuntion User Guide](#)  
 [Cyclone IV Device Family Errata](#)  
 [Cyclone IV Device Handbook](#)

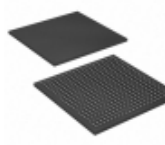
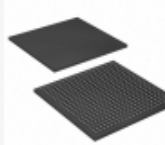
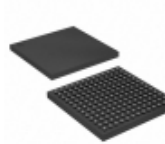
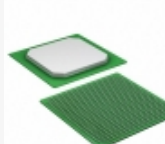
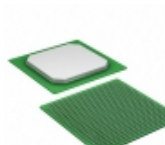
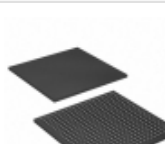
**RoHS Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                  |                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | EP4CGX150DF27C8N                          | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC FPGA 393 I/O 672FBGA                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 251 pcs                                   | Data sheet                       | <a href="#">Cyclone IV FPGA Overview</a><br><a href="#">Cyclone IV Device Datasheet</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a><br><a href="#">Cyclone IV Device Family Errata</a><br><a href="#">Cyclone IV Device Handbook</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.16 V ~ 1.24 V                                                                                                                                                                                                                                 |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6635520                                   | Supplier Device Package          | 672-FBGA (27x27)                                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cyclone® IV GX                            | Package / Case                   | 672-BGA                                                                                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 149760                                                                                                                                                                                                                                          |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9360                                      | Number of I/O                    | 393                                                                                                                                                                                                                                             |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                   |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                      |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | EP4CGX150                                 |                                  |                                                                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                 |                                                                             |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EP4CGX150CF23I7</a><br>Description: IC FPGA 270 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150CF23C7N</a><br>Description: IC FPGA 270 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX15BF14A7N</a><br>Description: IC FPGA 72 I/O 169FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF27I7</a><br>Description: IC FPGA 393 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF27C7</a><br>Description: IC FPGA 393 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150CF23I7N</a><br>Description: IC FPGA 270 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150CF23C8</a><br>Description: IC FPGA 270 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF31C8N</a><br>Description: IC FPGA 475 I/O 896FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX110DF31I7N</a><br>Description: IC FPGA 475 I/O 896FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX15BF14C6</a><br>Description: IC FPGA 72 I/O 169FBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF27C8</a><br>Description: IC FPGA 393 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF31C8</a><br>Description: IC FPGA 475 I/O 896FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF31C7</a><br>Description: IC FPGA 475 I/O 896FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150CF23C7</a><br>Description: IC FPGA 270 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF31I7N</a><br>Description: IC FPGA 475 I/O 896FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150CF23C8N</a><br>Description: IC FPGA 270 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF31C7N</a><br>Description: IC FPGA 475 I/O 896FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF27C7N</a><br>Description: IC FPGA 393 I/O 672FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF27I7N</a><br>Description: IC FPGA 393 I/O 672FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CGX150DF31I7</a><br>Description: IC FPGA 475 I/O 896FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |

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