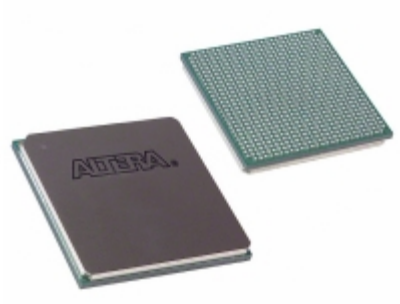


EP4SGX70DF29C4



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [EP4SGX70DF29C4](#)

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

**Description** IC FPGA 372 I/O 780FBGA

**Data sheet:**  [Stratix IV Device Family Overview](#)  
 [Stratix IV Devices](#)  
 [Stratix IV Device Handbook Vol.4](#)  
 [Stratix IV GX Errata](#)  
 [Stratix IV Device Handbook Vol1](#)  
 [Stratix IV Device Handbook Vol.1](#)  
 [Virtual JTAG Megafuntion User Guide](#)

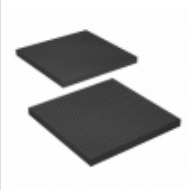
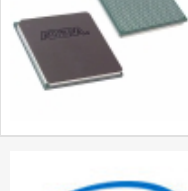
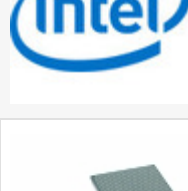
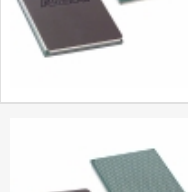
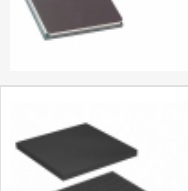
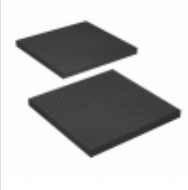
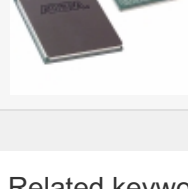
**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

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

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                  |                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EP4SGX70DF29C4                            | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                                                                                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC FPGA 372 I/O 780FBGA                   | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 116 pcs                                   | Data sheet                       | <a href="#">Stratix IV Device Family Overview</a><br><a href="#">Stratix IV Devices</a><br><a href="#">Stratix IV Device Handbook Vol.4</a><br><a href="#">Stratix IV GX Errata</a><br><a href="#">Stratix IV Device Handbook Vol1</a><br><a href="#">Stratix IV Device Handbook Vol.1</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 0.87 V ~ 0.93 V                                                                                                                                                                                                                                                                                                                                   |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7564880                                   | Supplier Device Package          | 780-FBGA (29x29)                                                                                                                                                                                                                                                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stratix® IV GX                            | Package / Case                   | 780-BBGA, FCBGA                                                                                                                                                                                                                                                                                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 72600                                                                                                                                                                                                                                                                                                                                             |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2904                                      | Number of I/O                    | 372                                                                                                                                                                                                                                                                                                                                               |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                     |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Contains lead / RoHS non-compliant        | Base Part Number                 | EP4SGX70                                                                                                                                                                                                                                                                                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                  |                                                                             |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EP4SGX530NF45I4</a><br>Description: IC FPGA 920 I/O 1932FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70HF35C3</a><br>Description: IC FPGA 488 I/O 1152FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX530NF45I3N</a><br>Description: IC FPGA 920 I/O 1932FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70DF29C3</a><br>Description: IC FPGA 372 I/O 780FBGA    | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70DF29I3N</a><br>Description: IC FPGA 372 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70DF29C3G</a><br>Description: 780-PIN FBGA              | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70DF29I3</a><br>Description: IC FPGA 372 I/O 780FBGA    | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70DF29I4</a><br>Description: IC FPGA 372 I/O 780FBGA    | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX530NF45I3</a><br>Description: IC FPGA 920 I/O 1932FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70DF29C2XN</a><br>Description: IC FPGA 372 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70DF29I4N</a><br>Description: IC FPGA 372 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70DF29C4N</a><br>Description: IC FPGA 372 I/O 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70HF35C2N</a><br>Description: IC FPGA 488 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70HF35C2G</a><br>Description: IC FPGA 488 I/O 1152FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX530NF45I4N</a><br>Description: IC FPGA 920 I/O 1932FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70HF35C2</a><br>Description: IC FPGA 488 I/O 1152FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70HF35C3N</a><br>Description: IC FPGA 488 I/O 1152FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70DF29C3N</a><br>Description: IC FPGA 372 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX530NF45C4N</a><br>Description: IC FPGA 920 I/O 1932FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX70DF29C2X</a><br>Description: IC FPGA 372 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |

|                                              |                                              |                          |                                              |
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