



Altera (Intel® Programmable

Solutions Group)

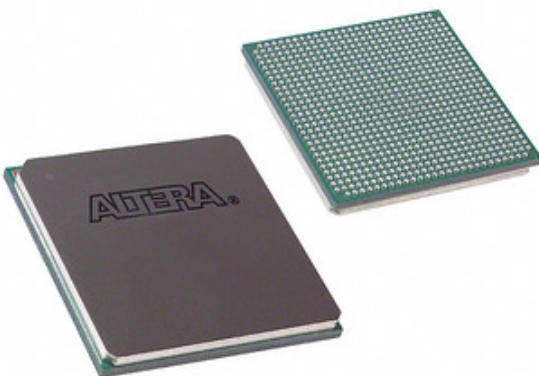


Image may be representation. See specifications for product details.

EP4SGX180DF29I3

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:                                                               | EP4SGX180DF29I3                                                                                                                                                                                                                                                                                                                                                  |
| Manufacturer/Brand:                                                        | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                     |
| Product description                                                        | IC FPGA 372 I/O 780FBGA <div><div>PDF</div>1.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>2.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>3.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>4.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>5.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>6.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>7.EP4SGX180DF29I3.pdf</div> |
| Datasheets:                                                                |                                                                                                                                                                                                                                                                                                                                                                  |
| RoHs Status                                                                |  Contains lead / RoHS non-compliant                                                                                                                                                                                                                                             |
| Stock Condition                                                            | 14 pcs stock                                                                                                                                                                                                                                                                                                                                                     |
| Ship From                                                                  | Hong Kong                                                                                                                                                                                                                                                                                                                                                        |
| <div>REQUEST FOR QUOTATION</div> <div>by Air/Sea/Express/TNT/UPS/EMS</div> |                                                                                                                                                                                                                                                                                                                                                                  |

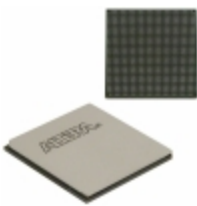
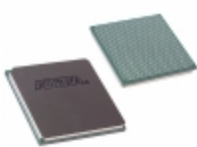
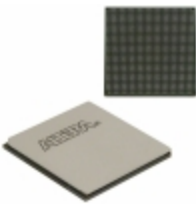
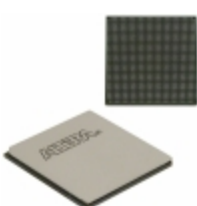
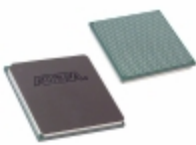
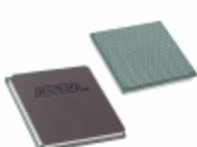
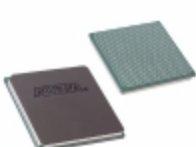
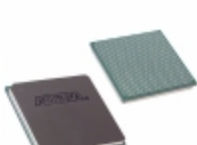
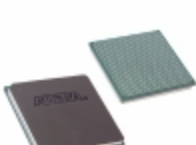
Specifications of EP4SGX180DF29I3

|                                  |                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP4SGX180DF29I3                                                                                                                                                                                                                                                                                                                          |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC FPGA 372 I/O 780FBGA                                                                                                                                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 14 pcs                                                                                                                                                                                                                                                                                                                                   |
| DATA SHEET                       | <div><div>PDF</div>1.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>2.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>3.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>4.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>5.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>6.EP4SGX180DF29I3.pdf</div> <div><div>PDF</div>7.EP4SGX180DF29I3.pdf</div> |
| VOLTAGE - SUPPLY                 | 0.87 V ~ 0.93 V                                                                                                                                                                                                                                                                                                                          |
| TOTAL RAM BITS                   | 13954048                                                                                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 780-FBGA (29x29)                                                                                                                                                                                                                                                                                                                         |
| SERIES                           | Stratix® IV GX                                                                                                                                                                                                                                                                                                                           |
| PACKAGE / CASE                   | 780-BBGA, FCBGA                                                                                                                                                                                                                                                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                                                                                                                                       |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 175750                                                                                                                                                                                                                                                                                                                                   |
| NUMBER OF LABS/CLBS              | 7030                                                                                                                                                                                                                                                                                                                                     |
| 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                 | EP4SGX180                                                                                                                                                                                                                                                                                                                                |

Related Tags

|                                                                 |                                                       |                                                                     |
|-----------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group)<br>EP4SGX180DF29I3 | EP4SGX180DF29I3 Distributor                           | EP4SGX180DF29I3 Supplier                                            |
| EP4SGX180DF29I3 Price                                           | EP4SGX180DF29I3 Pictures                              | EP4SGX180DF29I3 Image                                               |
| EP4SGX180DF29I3 PDF Datasheet                                   | EP4SGX180DF29I3 Download Datasheet                    | EP4SGX180DF29I3 Datasheet                                           |
| EP4SGX180DF29I3 Stock                                           | Buy EP4SGX180DF29I3                                   | Buy Altera (Intel® Programmable Solutions Group)<br>EP4SGX180DF29I3 |
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| Altera (Intel® Programmable Solutions Group)<br>EP4SGX180DF29I3 | Altera EP4SGX180DF29I3                                | Altera (Intel® Programmable Solutions Group)<br>EP4SGX180DF29I3     |

Related Products

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| <div></div> <div>EP4SGX180DF29I3N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 16 pcs</div> <div>RFQ</div>   | <div></div> <div>EP4SGX180DF29I4</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 18 pcs</div> <div>RFQ</div>   |
| <div></div> <div>EP4SGX180FF35C3</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 564 I/O 1152FBGA</div> <div>In stock: 20 pcs</div> <div>RFQ</div>   | <div></div> <div>EP4SGX180DF29C3</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 22 pcs</div> <div>RFQ</div>   |
| <div></div> <div>EP4SGX180DF29C3N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 24 pcs</div> <div>RFQ</div>   | <div></div> <div>EP4SGX180FF35C2X</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 564 I/O 1152FBGA</div> <div>In stock: 16 pcs</div> <div>RFQ</div> |
| <div></div> <div>EP4SGX180FF35C2XN</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 564 I/O 1152FBGA</div> <div>In stock: 17 pcs</div> <div>RFQ</div> | <div></div> <div>EP4SGX180DF29C2X</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 14 pcs</div> <div>RFQ</div>  |
| <div></div> <div>EP4SGX180DF29C4N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 27 pcs</div> <div>RFQ</div>   | <div></div> <div>EP4SGX180DF29C2XN</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 19 pcs</div> <div>RFQ</div> |
| <div></div> <div>EP4SGX180DF29C4</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 23 pcs</div> <div>RFQ</div>    | <div></div> <div>EP4SGX180DF29I4N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 19 pcs</div> <div>RFQ</div>  |