



Altera (Intel® Programmable

Solutions Group)

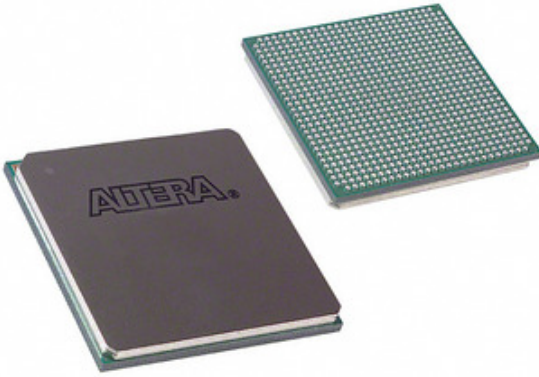


Image may be representation. See specifications for product details.

EP4SGX180DF29C3N

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EP4SGX180DF29C3N                                                                                                                                                                                                                                                                                                                                                                                                  |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                                      |
| Product description | IC FPGA 372 I/O 780FBGA <div><a href="#">PDF</a> 1.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 2.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 3.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 4.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 5.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 6.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 7.EP4SGX180DF29C3N.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                      |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                         |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                             |

REQUEST FOR QUOTATION

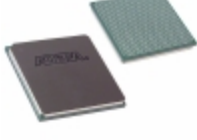
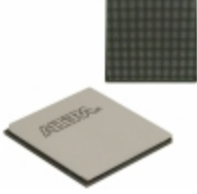
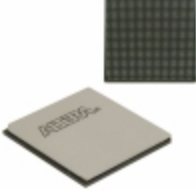
Specifications of EP4SGX180DF29C3N

|                                  |                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP4SGX180DF29C3N                                                                                                                                                                                                                                                                                                                                                                          |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                              |
| DESCRIPTION                      | IC FPGA 372 I/O 780FBGA                                                                                                                                                                                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       | <div><a href="#">PDF</a> 1.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 2.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 3.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 4.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 5.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 6.EP4SGX180DF29C3N.pdf</div> <div><a href="#">PDF</a> 7.EP4SGX180DF29C3N.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                                                                                                                                                                                                                                                                                                                                                                           |
| OTHER NAMES                      | 544-2628                                                                                                                                                                                                                                                                                                                                                                                  |
| OPERATING TEMPERATURE            | 0°C ~ 85°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   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                |
| BASE PART NUMBER                 | EP4SGX180                                                                                                                                                                                                                                                                                                                                                                                 |

Related Tags

|                                                               |                                                       |                                                                   |
|---------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group) EP4SGX180DF29C3N | EP4SGX180DF29C3N Distributor                          | EP4SGX180DF29C3N Supplier                                         |
| EP4SGX180DF29C3N Price                                        | EP4SGX180DF29C3N Pictures                             | EP4SGX180DF29C3N Image                                            |
| EP4SGX180DF29C3N PDF Datasheet                                | EP4SGX180DF29C3N Download Datasheet                   | EP4SGX180DF29C3N Datasheet                                        |
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Related Products

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| <div></div> <div><b>EP4SGX180DF29I3</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 372 I/O 780FBGA<br/>In stock: Out stock</div> <div>RFQ</div>   | <div></div> <div><b>EP4SGX180DF29C2XN</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 372 I/O 780FBGA<br/>In stock: Out stock</div> <div>RFQ</div> |
| <div></div> <div><b>EP4SGX180DF29C3</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 372 I/O 780FBGA<br/>In stock: Out stock</div> <div>RFQ</div>   | <div></div> <div><b>EP4SGX180DF29I4</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 372 I/O 780FBGA<br/>In stock: Out stock</div> <div>RFQ</div>   |
| <div></div> <div><b>EP4SGX180DF29C2X</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 372 I/O 780FBGA<br/>In stock: Out stock</div> <div>RFQ</div>  | <div></div> <div><b>EP4SGX180DF29C4</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 372 I/O 780FBGA<br/>In stock: Out stock</div> <div>RFQ</div>   |
| <div></div> <div><b>EP4SGX180DF29I3N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 372 I/O 780FBGA<br/>In stock: Out stock</div> <div>RFQ</div>  | <div></div> <div><b>EP4SGX180DF29C4N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 372 I/O 780FBGA<br/>In stock: Out stock</div> <div>RFQ</div>  |
| <div></div> <div><b>EP4SGX180DF29I4N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 372 I/O 780FBGA<br/>In stock: Out stock</div> <div>RFQ</div>  | <div></div> <div><b>EP4SGX110HF35I4</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 488 I/O 1152FBGA<br/>In stock: Out stock</div> <div>RFQ</div>  |
| <div></div> <div><b>EP4SGX110HF35I3N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 488 I/O 1152FBGA<br/>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div><b>EP4SGX110HF35I4N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 488 I/O 1152FBGA<br/>In stock: Out stock</div> <div>RFQ</div> |