



Altera (Intel® Programmable

Solutions Group)



Image may be representation. See specifications for product details.

EP4SGX290FH29C3

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:                     | EP4SGX290FH29C3                                                                                                                                                                                                                                                                                                                                                                                            |
| Manufacturer/Brand:              | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                               |
| Product description              | IC FPGA 289 I/O 780HBGA <div><a href="#">PDF</a> 1.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 2.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 3.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 4.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 5.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 6.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 7.EP4SGX290FH29C3.pdf</div> |
| Datasheets:                      |                                                                                                                                                                                                                                                                                                                                                                                                            |
| RoHs Status                      |  Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                       |
| Ship From                        | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                  |
| Shipment Way                     | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                      |
| <div>REQUEST FOR QUOTATION</div> |                                                                                                                                                                                                                                                                                                                                                                                                            |

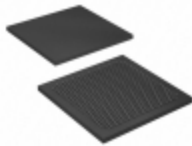
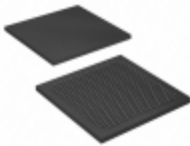
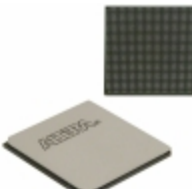
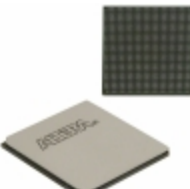
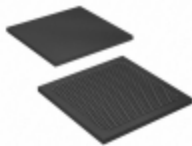
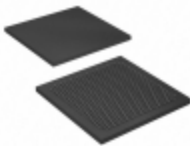
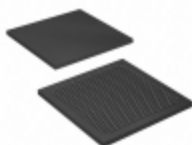
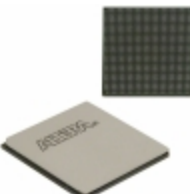
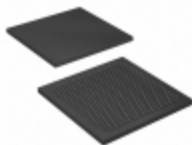
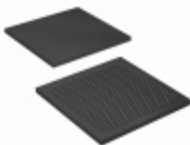
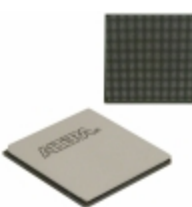
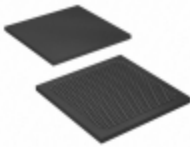
Specifications of EP4SGX290FH29C3

|                                  |                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP4SGX290FH29C3                                                                                                                                                                                                                                                                                                                                                                    |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                       |
| DESCRIPTION                      | IC FPGA 289 I/O 780HBGA                                                                                                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                 |
| DATA SHEET                       | <div><a href="#">PDF</a> 1.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 2.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 3.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 4.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 5.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 6.EP4SGX290FH29C3.pdf</div> <div><a href="#">PDF</a> 7.EP4SGX290FH29C3.pdf</div> |
| VOLTAGE - SUPPLY                 | 0.87 V ~ 0.93 V                                                                                                                                                                                                                                                                                                                                                                    |
| TOTAL RAM BITS                   | 17661952                                                                                                                                                                                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 780-HBGA (33x33)                                                                                                                                                                                                                                                                                                                                                                   |
| SERIES                           | Stratix® IV GX                                                                                                                                                                                                                                                                                                                                                                     |
| PACKAGE / CASE                   | 780-BBGA, FCBGA                                                                                                                                                                                                                                                                                                                                                                    |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                                                                                                                                                                                    |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 291200                                                                                                                                                                                                                                                                                                                                                                             |
| NUMBER OF LABS/CLBS              | 11648                                                                                                                                                                                                                                                                                                                                                                              |
| NUMBER OF I/O                    | 289                                                                                                                                                                                                                                                                                                                                                                                |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                                                                                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                 |
| BASE PART NUMBER                 | EP4SGX290                                                                                                                                                                                                                                                                                                                                                                          |

Related Tags

|                                                              |                                                       |                                                                  |
|--------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group) EP4SGX290FH29C3 | EP4SGX290FH29C3 Distributor                           | EP4SGX290FH29C3 Supplier                                         |
| EP4SGX290FH29C3 Price                                        | EP4SGX290FH29C3 Pictures                              | EP4SGX290FH29C3 Image                                            |
| EP4SGX290FH29C3 PDF Datasheet                                | EP4SGX290FH29C3 Download Datasheet                    | EP4SGX290FH29C3 Datasheet                                        |
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Related Products

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| <div></div> <div><b>EP4SGX290FH29C2X</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 289 I/O 780HBGA<br/>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div><b>EP4SGX290FH29C3N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 289 I/O 780HBGA<br/>In stock: Out stock</div> <div>RFQ</div>  |
| <div></div> <div><b>EP4SGX290FF35I3</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 564 I/O 1152FBGA<br/>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div><b>EP4SGX290FF35I4N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 564 I/O 1152FBGA<br/>In stock: Out stock</div> <div>RFQ</div> |
| <div></div> <div><b>EP4SGX290FH29I4</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 289 I/O 780HBGA<br/>In stock: Out stock</div> <div>RFQ</div>  | <div></div> <div><b>EP4SGX290FH29I3N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 289 I/O 780HBGA<br/>In stock: Out stock</div> <div>RFQ</div>  |
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| <div></div> <div><b>EP4SGX290FH29C4</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 289 I/O 780HBGA<br/>In stock: Out stock</div> <div>RFQ</div>  | <div></div> <div><b>EP4SGX290FH29C2XN</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 289 I/O 780HBGA<br/>In stock: Out stock</div> <div>RFQ</div> |
| <div></div> <div><b>EP4SGX290FF35I4</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 564 I/O 1152FBGA<br/>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div><b>EP4SGX290FH29C4N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 289 I/O 780HBGA<br/>In stock: Out stock</div> <div>RFQ</div>  |