



Altera (Intel® Programmable

Solutions Group)

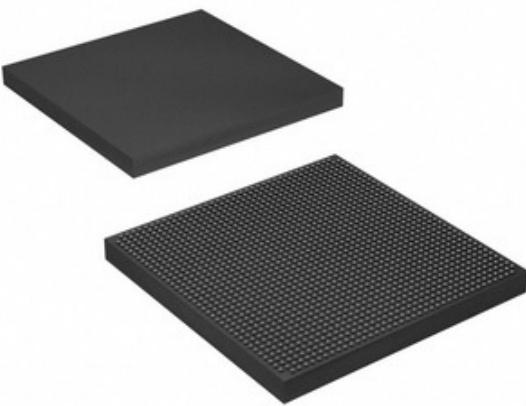


Image may be representation. See specifications for product details.

EP4SGX180KF40I3N

Part Number:EP4SGX180KF40I3N

Manufacturer/Brand:Altera (Intel® Programmable Solutions Group)

Product descriptionIC FPGA 744 I/O 1517FBGA

1.EP4SGX180KF40I3N.pdf

2.EP4SGX180KF40I3N.pdf

3.EP4SGX180KF40I3N.pdf

4.EP4SGX180KF40I3N.pdf

5.EP4SGX180KF40I3N.pdf

6.EP4SGX180KF40I3N.pdf

7.EP4SGX180KF40I3N.pdf

Datasheets:

Lead free / RoHS Compliant

RoHs Status

Stock Condition17 pcs stock

Ship FromHong Kong

REQUEST FOR QUOTATION

ex/TNT/UPS/EMS

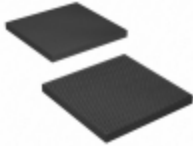
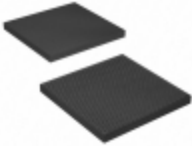
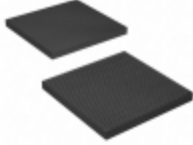
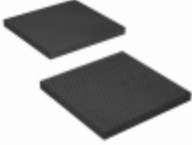
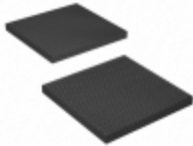
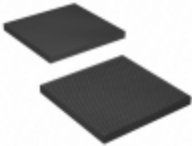
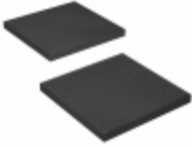
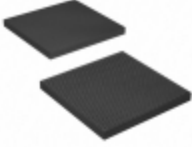
Specifications of EP4SGX180KF40I3N

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP4SGX180KF40I3N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DESCRIPTION                      | IC FPGA 744 I/O 1517FBGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 17 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       | <div>1.EP4SGX180KF40I3N.pdf</div> <div>2.EP4SGX180KF40I3N.pdf</div> <div>3.EP4SGX180KF40I3N.pdf</div> <div>4.EP4SGX180KF40I3N.pdf</div> <div>5.EP4SGX180KF40I3N.pdf</div> <div>6.EP4SGX180KF40I3N.pdf</div> <div>7.EP4SGX180KF40I3N.pdf</div> |
| VOLTAGE - SUPPLY                 | 0.87 V ~ 0.93 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| TOTAL RAM BITS                   | 13954048                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 1517-FBGA (40x40)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SERIES                           | Stratix® IV GX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PACKAGE / CASE                   | 1517-BBGA, FCBGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 175750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NUMBER OF LABS/CLBS              | 7030                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NUMBER OF I/O                    | 744                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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

|                                                                  |                                                       |                                                                      |
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Related Products

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| <div></div> <div>EP4SGX230DF29C2XN</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 13 pcs</div> <div>RFQ</div>   | <div></div> <div>EP4SGX230DF29C3</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>EP4SGX180KF40C3N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 744 I/O 1517FBGA</div> <div>In stock: 20 pcs</div> <div>RFQ</div>   | <div></div> <div>EP4SGX180KF40C3</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 744 I/O 1517FBGA</div> <div>In stock: 18 pcs</div> <div>RFQ</div>  |
| <div></div> <div>EP4SGX180KF40C4N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 744 I/O 1517FBGA</div> <div>In stock: 24 pcs</div> <div>RFQ</div>   | <div></div> <div>EP4SGX180KF40C4</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 744 I/O 1517FBGA</div> <div>In stock: 20 pcs</div> <div>RFQ</div>  |
| <div></div> <div>EP4SGX180KF40I3</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 744 I/O 1517FBGA</div> <div>In stock: 12 pcs</div> <div>RFQ</div>    | <div></div> <div>EP4SGX180KF40C2N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 744 I/O 1517FBGA</div> <div>In stock: 17 pcs</div> <div>RFQ</div> |
| <div></div> <div>EP4SGX230DF29C2X</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 13 pcs</div> <div>RFQ</div>    | <div></div> <div>EP4SGX180KF40I4N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 744 I/O 1517FBGA</div> <div>In stock: 20 pcs</div> <div>RFQ</div> |
| <div></div> <div>EP4SGX230DF29C3ES</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 6373 pcs</div> <div>RFQ</div> | <div></div> <div>EP4SGX180KF40I4</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 744 I/O 1517FBGA</div> <div>In stock: 15 pcs</div> <div>RFQ</div>  |