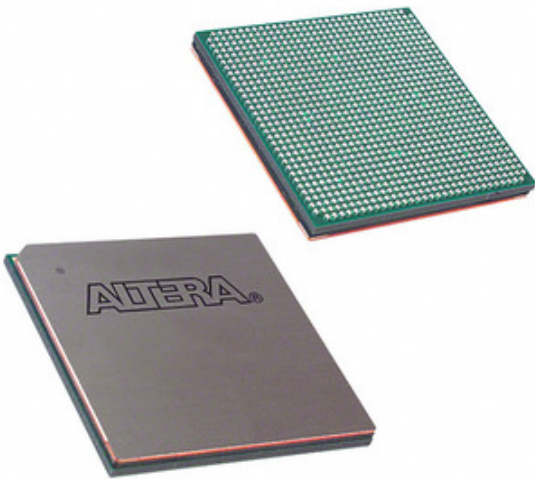




Altera (Intel® Programmable

Solutions Group)



EP1SGX40DF1020I6N

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EP1SGX40DF1020I6N                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product description | IC FPGA 624 I/O 1020FBGA<br> 1.EP1SGX40DF1020I6N.pdf<br> 2.EP1SGX40DF1020I6N.pdf<br> 3.EP1SGX40DF1020I6N.pdf<br> 4.EP1SGX40DF1020I6N.pdf |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                 |
| Stock Condition     | 26 pcs stock                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

REQUEST FOR QUOTATION

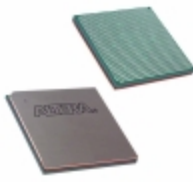
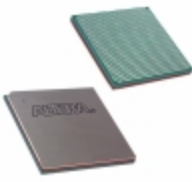
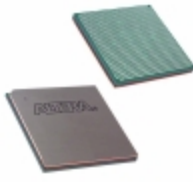
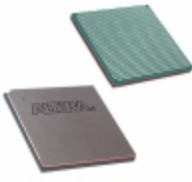
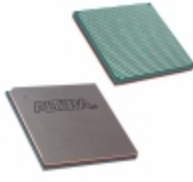
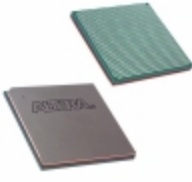
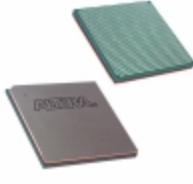
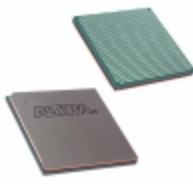
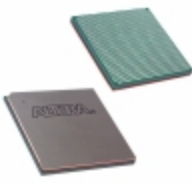
Specifications of EP1SGX40DF1020I6N

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP1SGX40DF1020I6N                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC FPGA 624 I/O 1020FBGA                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 26 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DATA SHEET                       |  1.EP1SGX40DF1020I6N.pdf<br> 2.EP1SGX40DF1020I6N.pdf<br> 3.EP1SGX40DF1020I6N.pdf<br> 4.EP1SGX40DF1020I6N.pdf |
| VOLTAGE - SUPPLY                 | 1.425 V ~ 1.575 V                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| TOTAL RAM BITS                   | 3423744                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 1020-FBGA (33x33)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SERIES                           | Stratix® GX                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PACKAGE / CASE                   | 1020-BBGA                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 41250                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| NUMBER OF LABS/CLBS              | 4125                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 624                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASE PART NUMBER                 | EP1SGX40                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

Related Tags

|                                                                   |                                                       |                                                                       |
|-------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group)<br>EP1SGX40DF1020I6N | EP1SGX40DF1020I6N Distributor                         | EP1SGX40DF1020I6N Supplier                                            |
| EP1SGX40DF1020I6N Price                                           | EP1SGX40DF1020I6N Pictures                            | EP1SGX40DF1020I6N Image                                               |
| EP1SGX40DF1020I6N PDF Datasheet                                   | EP1SGX40DF1020I6N Download Datasheet                  | EP1SGX40DF1020I6N Datasheet                                           |
| EP1SGX40DF1020I6N Stock                                           | Buy EP1SGX40DF1020I6N                                 | Buy Altera (Intel® Programmable Solutions Group)<br>EP1SGX40DF1020I6N |
| Altera (Intel® Programmable Solutions Group)<br>EP1SGX40DF1020I6N | Altera (Intel® Programmable Solutions Group) Supplier | Altera (Intel® Programmable Solutions Group) Distributor              |
| Altera (Intel® Programmable Solutions Group)<br>EP1SGX40DF1020I6N | Altera EP1SGX40DF1020I6N                              | Altera (Intel® Programmable Solutions Group)<br>EP1SGX40DF1020I6N     |

Related Products

|                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>EP1SGX40DF1020C7N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 624 I/O 1020FBGA<br/>In stock: 45 pcs<br/>RFQ</div>                                 |  <div><b>EP1SGX40GF1020C6N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 624 I/O 1020FBGA<br/>In stock: 41 pcs<br/>RFQ</div> |
|  <div><b>EP1SGX40DF1020C6</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 624 I/O 1020FBGA<br/>In stock: 31 pcs<br/>RFQ</div>  |  <div><b>EP1SGX40DF1020C5N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 624 I/O 1020FBGA<br/>In stock: 25 pcs<br/>RFQ</div> |
|  <div><b>EP1SGX40GF1020C5</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 624 I/O 1020FBGA<br/>In stock: 22 pcs<br/>RFQ</div>  |  <div><b>EP1SGX40GF1020C5N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 624 I/O 1020FBGA<br/>In stock: 24 pcs<br/>RFQ</div> |
|  <div><b>EP1SGX40GF1020C6</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 624 I/O 1020FBGA<br/>In stock: 32 pcs<br/>RFQ</div>  |  <div><b>EP1SGX40GF1020C6B</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA FBGA<br/>In stock: 5663 pcs<br/>RFQ</div>           |
|  <div><b>EP1SGX40DF1020C6BN</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA FBGA<br/>In stock: 2895 pcs<br/>RFQ</div>          |  <div><b>EP1SGX40GF1020C6BN</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA FBGA<br/>In stock: 4300 pcs<br/>RFQ</div>          |
|  <div><b>EP1SGX40DF1020C6N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 624 I/O 1020FBGA<br/>In stock: 41 pcs<br/>RFQ</div> |  <div><b>EP1SGX40DF1020C7</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 624 I/O 1020FBGA<br/>In stock: 49 pcs<br/>RFQ</div>  |