



Altera (Intel® Programmable

Solutions Group)



Image may be representation. See specifications for product details.

5SGXEA5K1F40C2LN

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | 5SGXEA5K1F40C2LN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product description | IC FPGA 696 I/O 1517FBGA <div> 1.5SGXEA5K1F40C2LN.pdf</div> <div> 2.5SGXEA5K1F40C2LN.pdf</div> <div> 3.5SGXEA5K1F40C2LN.pdf</div> <div> 4.5SGXEA5K1F40C2LN.pdf</div> <div> 5.5SGXEA5K1F40C2LN.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Stock Condition     | 13 pcs stock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

REQUEST FOR QUOTATION

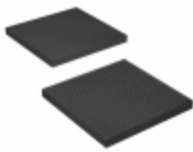
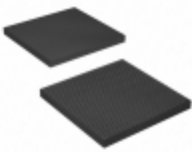
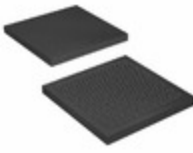
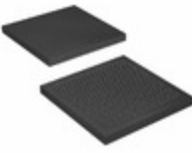
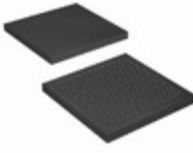
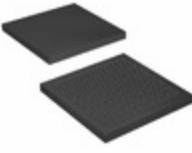
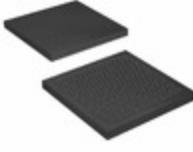
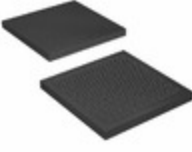
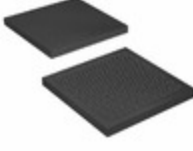
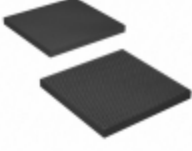
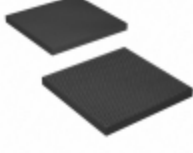
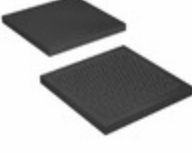
Specifications of 5SGXEA5K1F40C2LN

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 5SGXEA5K1F40C2LN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DESCRIPTION                      | IC FPGA 696 I/O 1517FBGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 13 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DATA SHEET                       | <div> 1.5SGXEA5K1F40C2LN.pdf</div> <div> 2.5SGXEA5K1F40C2LN.pdf</div> <div> 3.5SGXEA5K1F40C2LN.pdf</div> <div> 4.5SGXEA5K1F40C2LN.pdf</div> <div> 5.5SGXEA5K1F40C2LN.pdf</div> |
| VOLTAGE - SUPPLY                 | 0.82 V ~ 0.88 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| TOTAL RAM BITS                   | 53105664                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 1517-FBGA (40x40)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SERIES                           | Stratix® V GX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 1517-BBGA, FCBGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 490000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NUMBER OF LABS/CLBS              | 185000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 696                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASE PART NUMBER                 | 5SGXEA5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

Related Tags

|                                                                  |                                                       |                                                                      |
|------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group)<br>5SGXEA5K1F40C2LN | 5SGXEA5K1F40C2LN Distributor                          | 5SGXEA5K1F40C2LN Supplier                                            |
| 5SGXEA5K1F40C2LN Price                                           | 5SGXEA5K1F40C2LN Pictures                             | 5SGXEA5K1F40C2LN Image                                               |
| 5SGXEA5K1F40C2LN PDF Datasheet                                   | 5SGXEA5K1F40C2LN Download Datasheet                   | 5SGXEA5K1F40C2LN Datasheet                                           |
| 5SGXEA5K1F40C2LN Stock                                           | Buy 5SGXEA5K1F40C2LN                                  | Buy Altera (Intel® Programmable Solutions Group)<br>5SGXEA5K1F40C2LN |
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Related Products

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| <div></div> <div>5SGXEA5K1F40C2L</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 696 I/O 1517FBGA<br/>In stock: 12 pcs</div> <div>RFQ</div>  | <div></div> <div>5SGXEA5K1F40I2N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 696 I/O 1517FBGA<br/>In stock: 9 pcs</div> <div>RFQ</div>   |
| <div></div> <div>5SGXEA5K1F35C2LN</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 432 I/O 1152FBGA<br/>In stock: 11 pcs</div> <div>RFQ</div> | <div></div> <div>5SGXEA5K2F35C2LN</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 432 I/O 1152FBGA<br/>In stock: 15 pcs</div> <div>RFQ</div> |
| <div></div> <div>5SGXEA5K2F35C2N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 432 I/O 1152FBGA<br/>In stock: 13 pcs</div> <div>RFQ</div>  | <div></div> <div>5SGXEA5K2F35C1N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 432 I/O 1152FBGA<br/>In stock: 10 pcs</div> <div>RFQ</div>  |
| <div></div> <div>5SGXEA5K2F35C2L</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 432 I/O 1152FBGA<br/>In stock: 14 pcs</div> <div>RFQ</div>  | <div></div> <div>5SGXEA5K1F35C2L</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 432 I/O 1152FBGA<br/>In stock: 12 pcs</div> <div>RFQ</div>  |
| <div></div> <div>5SGXEA5K1F35C2N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 432 I/O 1152FBGA<br/>In stock: 13 pcs</div> <div>RFQ</div>  | <div></div> <div>5SGXEA5K1F40C1N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 696 I/O 1517FBGA<br/>In stock: 11 pcs</div> <div>RFQ</div>  |
| <div></div> <div>5SGXEA5K1F40C2N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 696 I/O 1517FBGA<br/>In stock: 12 pcs</div> <div>RFQ</div>  | <div></div> <div>5SGXEA5K1F35I2N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 432 I/O 1152FBGA<br/>In stock: 10 pcs</div> <div>RFQ</div>  |