



Altera (Intel® Programmable

Solutions Group)



Image may be representation. See specifications for product details.

5SGXMA9N1F45C2N

|                     |                                                                                                                                                                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | 5SGXMA9N1F45C2N                                                                                                                                                                                                                                           |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                              |
| Product description | IC FPGA 840 I/O 1932FBGA<br><a href="#">PDF</a> 1.5SGXMA9N1F45C2N.pdf<br><a href="#">PDF</a> 2.5SGXMA9N1F45C2N.pdf<br><a href="#">PDF</a> 3.5SGXMA9N1F45C2N.pdf<br><a href="#">PDF</a> 4.5SGXMA9N1F45C2N.pdf<br><a href="#">PDF</a> 5.5SGXMA9N1F45C2N.pdf |
| Datasheets:         |                                                                                                                                                                                                                                                           |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                              |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                 |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                     |

REQUEST FOR QUOTATION

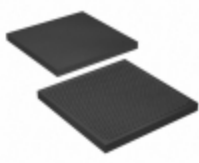
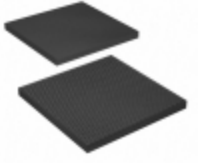
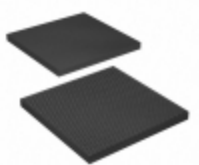
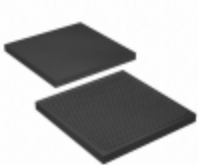
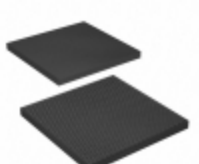
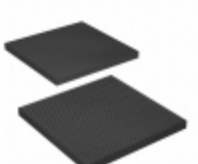
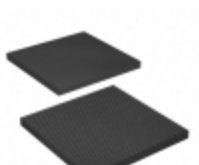
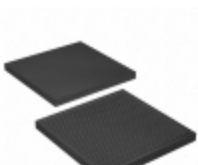
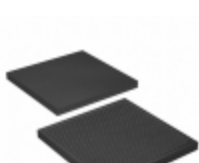
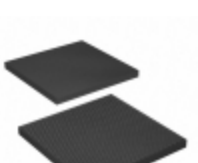
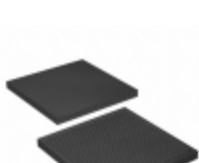
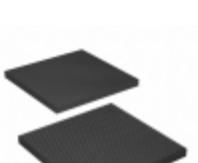
Specifications of 5SGXMA9N1F45C2N

|                                  |                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 5SGXMA9N1F45C2N                                                                                                                                                                                                               |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                  |
| DESCRIPTION                      | IC FPGA 840 I/O 1932FBGA                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                    |
| DATA SHEET                       | <a href="#">PDF</a> 1.5SGXMA9N1F45C2N.pdf<br><a href="#">PDF</a> 2.5SGXMA9N1F45C2N.pdf<br><a href="#">PDF</a> 3.5SGXMA9N1F45C2N.pdf<br><a href="#">PDF</a> 4.5SGXMA9N1F45C2N.pdf<br><a href="#">PDF</a> 5.5SGXMA9N1F45C2N.pdf |
| VOLTAGE - SUPPLY                 | 0.87 V ~ 0.93 V                                                                                                                                                                                                               |
| TOTAL RAM BITS                   | 64210944                                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 1932-FBGA, FC (45x45)                                                                                                                                                                                                         |
| SERIES                           | Stratix® V GX                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 1932-BBGA, FCBGA                                                                                                                                                                                                              |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                               |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 840000                                                                                                                                                                                                                        |
| NUMBER OF LABS/CLBS              | 317000                                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 840                                                                                                                                                                                                                           |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                    |
| BASE PART NUMBER                 | 5SGXMA9                                                                                                                                                                                                                       |

Related Tags

|                                                              |                                                       |                                                                  |
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| 5SGXMA9N1F45C2N PDF Datasheet                                | 5SGXMA9N1F45C2N Download Datasheet                    | 5SGXMA9N1F45C2N Datasheet                                        |
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Related Products

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|  <div>5SGXMA9K3H40I3LN<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 696 I/O 1517HBGA<br/>In stock: Out stock<br/>RFQ</div> |  <div>5SGXMA9N2F45C2N<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 840 I/O 1932FBGA<br/>In stock: Out stock<br/>RFQ</div> |
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