

5SGXMA7K3F40C3



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Part Number: 5SGXMA7K3F40C3

Manufacturer: [Altera \(Intel® Programmable Solutions Group\)](#)

Description: IC FPGA 696 I/O 1517FBGA

Data sheet:

 [Stratix V Device Handbook](#)

 [Stratix V Device Datasheet](#)

 [Stratix V Devices Errata](#)

 [Stratix V Device Overview](#)

 [Virtual JTAG Megafuntion User Guide](#)

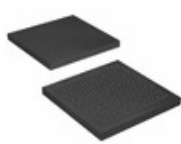
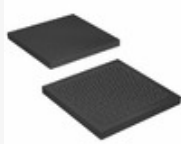
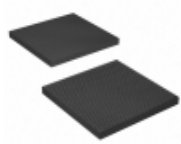
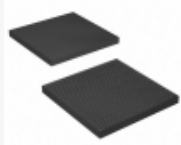
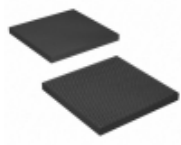
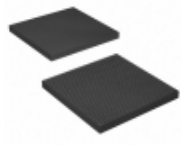
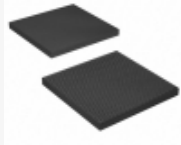
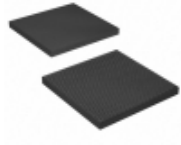
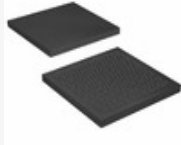
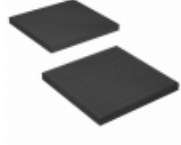
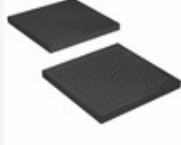
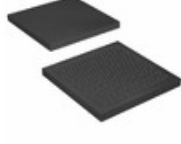
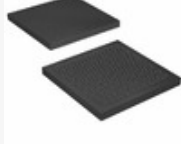
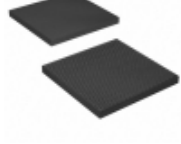
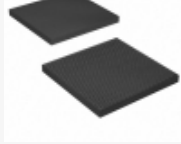
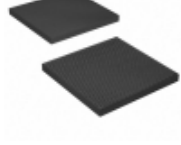
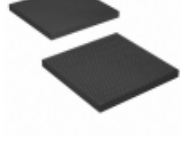
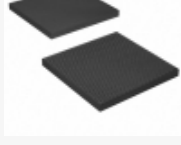
RoHs Status: Contains lead / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                  |                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5SGXMA7K3F40C3                            | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC FPGA 696 I/O 1517FBGA                  | Lead Free Status / RoHS Status   | Contains lead / RoHS Compliant                                                                                                                                                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 13 pcs                                    | Data sheet                       | <a href="#">Stratix V Device Handbook</a><br><a href="#">Stratix V Device Datasheet</a><br><a href="#">Stratix V Devices Errata</a><br><a href="#">Stratix V Device Overview</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 0.82 V ~ 0.88 V                                                                                                                                                                                                                         |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 59939840                                  | 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   | 622000                                                                                                                                                                                                                                  |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 234720                                    | Number of I/O                    | 696                                                                                                                                                                                                                                     |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                           |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Contains lead / RoHS Compliant            | Base Part Number                 | 5SGXMA7                                                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                  |                                                                             |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">5SGXMA7K3F35C3</a><br>Description: IC FPGA 432 I/O 1152FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">5SGXMA7K3F35I4N</a><br>Description: IC FPGA 432 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">5SGXMA7K3F40I3N</a><br>Description: IC FPGA 696 I/O 1517FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">5SGXMA7K3F40I3LN</a><br>Description: IC FPGA 696 I/O 1517FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">5SGXMA7N1F40C2N</a><br>Description: IC FPGA 600 I/O 1517FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">5SGXMA7N1F40C1N</a><br>Description: IC FPGA 600 I/O 1517FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">5SGXMA7K3F35I3LN</a><br>Description: IC FPGA 432 I/O 1152FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">5SGXMA7K3F35C3N</a><br>Description: IC FPGA 432 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">5SGXMA7K3F35C4</a><br>Description: IC FPGA 432 I/O 1152FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">5SGXMA7K3F40C2</a><br>Description: IC FPGA 696 I/O 1517FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">5SGXMA7N1F40C2LN</a><br>Description: IC FPGA 600 I/O 1517FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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