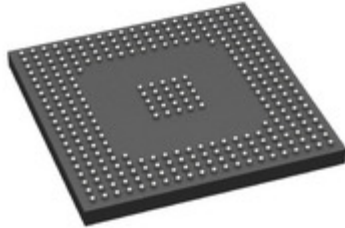


5CGXFC5F7M11C8N



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [5CGXFC5F7M11C8N](#)

**Manufacturer:** [Intel® FPGAs](#)

**Description:** IC FPGA 129 I/O 301MBGA

**Data sheet:**  [Cyclone V Device Overview](#)  
 [Cyclone V GX,GT,E Errata](#)  
 [Cyclone V Device Datasheet](#)  
 [Cyclone V Device Handbook](#)  
 [Virtual JTAG Megafuntion User Guide](#)

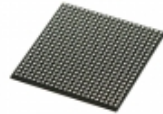
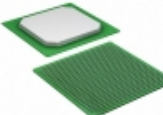
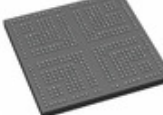
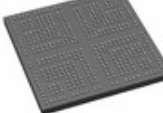
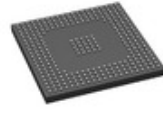
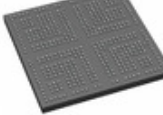
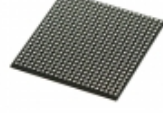
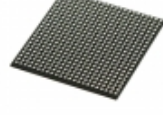
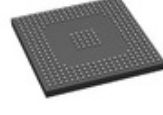
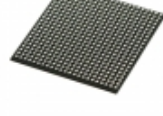
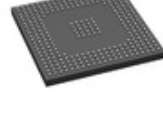
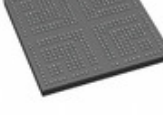
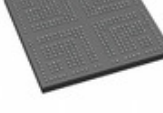
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                  |                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5CGXFC5F7M11C8N                           | Manufacturer                     | <a href="#">Intel® FPGAs</a>                                                                                                                                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC FPGA 129 I/O 301MBGA                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                  | 727 pcs                                   | Data sheet                       | <a href="#">Cyclone V Device Overview</a><br><a href="#">Cyclone V GX,GT,E Errata</a><br><a href="#">Cyclone V Device Datasheet</a><br><a href="#">Cyclone V Device Handbook</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.07 V ~ 1.13 V                                                                                                                                                                                                                         |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5001216                                   | Supplier Device Package          | 301-MBGA (11x11)                                                                                                                                                                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cyclone® V GX                             | Package / Case                   | 301-TFBGA                                                                                                                                                                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                               | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 77000                                                                                                                                                                                                                                   |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                 | 29080                                     | Number of I/O                    | 129                                                                                                                                                                                                                                     |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                       | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                           |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                | Base Part Number                 | 5CGXFC5                                                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                |                                                                             |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">5CGXFC5C6U19C7N</a><br>Description: IC FPGA 224 I/O 484UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC5C7U19C8N</a><br>Description: IC FPGA 224 I/O 484UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC5C6U19I7N</a><br>Description: IC FPGA 224 I/O 484UBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC5C7F27C8N</a><br>Description: IC FPGA 336 I/O 672FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC7B6M15I7N</a><br>Description: IC FPGA 240 I/O 484MBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC7B6M15C6N</a><br>Description: IC FPGA 240 I/O 484MBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC5F6M11C7N</a><br>Description: IC FPGA 129 I/O 301MBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC7B7M15C8N</a><br>Description: IC FPGA 240 I/O 484MBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC5C6U19C6N</a><br>Description: IC FPGA 224 I/O 484UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC5C7F23C8N</a><br>Description: IC FPGA 240 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC5F6M11C6N</a><br>Description: IC FPGA 129 I/O 301MBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC7C6U19A7N</a><br>Description: IC FPGA 240 I/O 484UBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC5C7M13C8N</a><br>Description: IC FPGA 175 I/O 383MBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC7C6U19C6N</a><br>Description: IC FPGA 240 I/O 484UBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC7C6F23C6N</a><br>Description: IC FPGA 240 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC7C6F23I7N</a><br>Description: IC FPGA 240 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC5F6M11I7N</a><br>Description: IC FPGA 129 I/O 301MBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC7B6M15I7</a><br>Description: IC FPGA 240 I/O 484MBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC7B6M15C7N</a><br>Description: IC FPGA 240 I/O 484MBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5CGXFC7C6F23C7N</a><br>Description: IC FPGA 240 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |

|                                             |                             |                          |                       |
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| Related keywords for <b>5CGXFC5F7M11C8N</b> |                             |                          |                       |
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