

5AGXFB7K4F40C5N



**Part Number:** 5AGXFB7K4F40C5N

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

**Description:** IC FPGA 704 I/O 1517FBGA

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

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

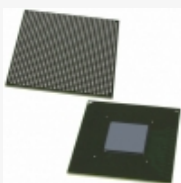
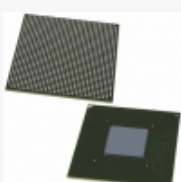
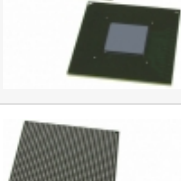
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Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                  |                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5AGXFB7K4F40C5N                           | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC FPGA 704 I/O 1517FBGA                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 34 pcs                                    | Data sheet                       | <a href="#">Arria V Device Handbook</a><br><a href="#">Arria V GX/GT Errata</a><br><a href="#">Arria V Datasheet</a><br><a href="#">Arria V Device Overview</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27695104                                  | Supplier Device Package          | 1517-FBGA (40x40)                                                                                                                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Arria V GX                                | Package / Case                   | 1517-BBGA                                                                                                                                                                                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 504000                                                                                                                                                                                                                 |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 23780                                     | Number of I/O                    | 704                                                                                                                                                                                                                    |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                          |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                | Base Part Number                 | 5AGXFB7                                                                                                                                                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                 |                                                                             |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">5AGXFB7K6F40C6N</a><br>Description: IC FPGA 704 I/O 1517FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5AGXFB7H4F35C4N</a><br>Description: IC FPGA 544 I/O 1152FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5AGXMA1D4F31C5N</a><br>Description: IC FPGA 416 I/O 896FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5AGXFB7H4F35I5</a><br>Description: IC FPGA 544 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5AGXFB5K6F40C6N</a><br>Description: IC FPGA 704 I/O 1517FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">5AGXFB7K4F40I5N</a><br>Description: IC FPGA 704 I/O 1517FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5AGXFB7H6F35C6N</a><br>Description: IC FPGA 544 I/O 1152FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5AGXMA1D4F27I3N</a><br>Description: IC FPGA 336 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">5AGXFB7H4F35I3G</a><br>Description: 1152-PIN FBGA            | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5AGXMA1D4F27C4N</a><br>Description: IC FPGA 336 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5AGXFB5K4F40I5N</a><br>Description: IC FPGA 704 I/O 1517FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

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|----------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------------|
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