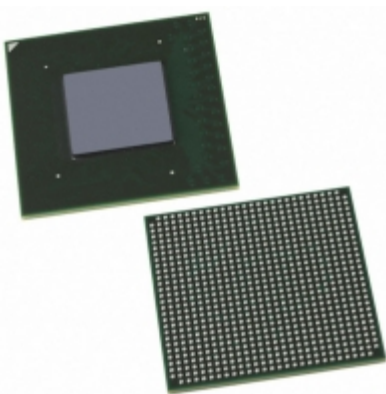


EP2AGX190EF29I5N



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [EP2AGX190EF29I5N](#)

**Manufacturer:** [Intel® FPGAs](#)

**Description:** IC FPGA 372 I/O 1780FBGA

**Data sheet:**  [Arria II GX Errata](#)  
 [Arria II Device Handbook Vol 1](#)  
 [Arria II Device Family Overview](#)  
 [Arria II Device Handbook](#)  
 [Arria II Device Datasheet](#)  
 [Virtual JTAG Megafuntion User Guide](#)  
 [Arria II Device Handbook Vol 3](#)

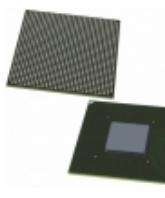
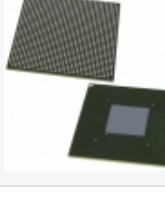
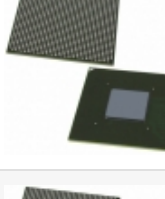
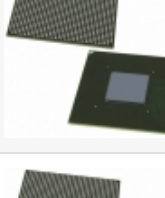
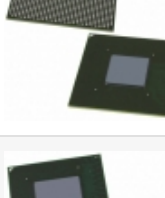
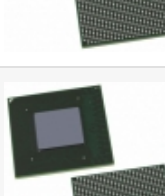
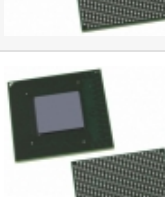
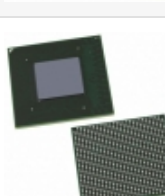
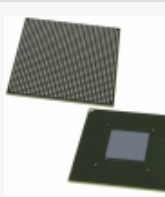
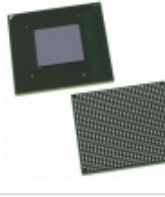
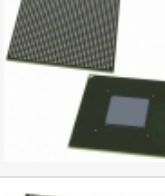
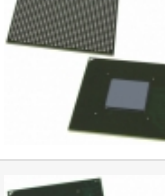
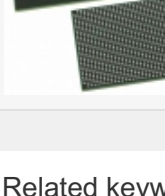
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                  |                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                         | EP2AGX190EF29I5N                          | Manufacturer                     | <a href="#">Intel® FPGAs</a>                                                                                                                                                                                                                                                                                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC FPGA 372 I/O 1780FBGA                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                  | 62 pcs                                    | Data sheet                       | <a href="#">Arria II GX Errata</a><br><a href="#">Arria II Device Handbook Vol 1</a><br><a href="#">Arria II Device Family Overview</a><br><a href="#">Arria II Device Handbook</a><br><a href="#">Arria II Device Datasheet</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a><br><a href="#">Arria II Device Handbook Vol 3</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 0.87 V ~ 0.93 V                                                                                                                                                                                                                                                                                                                           |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10177536                                  | Supplier Device Package          | 780-FBGA (29x29)                                                                                                                                                                                                                                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                              | Arria II GX                               | Package / Case                   | 780-BBGA, FCBGA                                                                                                                                                                                                                                                                                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                               | -40°C ~ 100°C (TJ)                        | Number of Logic Elements/Cells   | 181165                                                                                                                                                                                                                                                                                                                                    |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7612                                      | Number of I/O                    | 372                                                                                                                                                                                                                                                                                                                                       |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                       | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                             |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                | Base Part Number                 | EP2AGX190                                                                                                                                                                                                                                                                                                                                 |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Intel® FPGAs series electronic components. We have 62 pieces of Intel® FPGAs EP2AGX190EF29I5N in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                  |                                                                                                                                                                                                                                                                                                                                           |

| RELATED PRODUCTS                                                                   |                                                                                   |                                                                             |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EP2AGX190FF35I3N</a><br>Description: IC FPGA 612 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190FF35C5</a><br>Description: IC FPGA 612 I/O 11152FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190FF35C5N</a><br>Description: IC FPGA 612 I/O 11152FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190FF35I3</a><br>Description: IC FPGA 612 I/O 1152FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190FF35I5</a><br>Description: IC FPGA 612 I/O 11152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190EF29I5G</a><br>Description: IC FPGA 372 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190EF29C5N</a><br>Description: IC FPGA 372 I/O 1780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190FF35C6</a><br>Description: IC FPGA 612 I/O 11152FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190EF29I5</a><br>Description: IC FPGA 372 I/O 1780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190EF29I3N</a><br>Description: IC FPGA 372 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190EF29I3</a><br>Description: IC FPGA 372 I/O 780FBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190FF35C5G</a><br>Description: IC FPGA 612 I/O 11152FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190EF29C6N</a><br>Description: IC FPGA 372 I/O 1780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190FF35C4</a><br>Description: IC FPGA 612 I/O 11152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190EF29I3G</a><br>Description: IC FPGA 372 I/O 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190FF35C6N</a><br>Description: IC FPGA 612 I/O 11152FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190FF35C4N</a><br>Description: IC FPGA 612 I/O 11152FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190EF29C5G</a><br>Description: IC FPGA 372 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190EF29C6</a><br>Description: IC FPGA 372 I/O 1780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2AGX190EF29C5</a><br>Description: IC FPGA 372 I/O 1780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |

| Related keywords for EP2AGX190EF29I5N |                              |                           |                        |
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