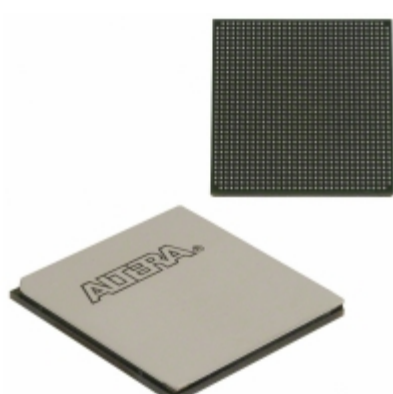


EP4SGX110FF35C3N



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**Part Number:** [EP4SGX110FF35C3N](#)

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

**Description** IC FPGA 372 I/O 1152FBGA

**Data sheet:**  [Stratix IV Device Family Overview](#)  
 [Stratix IV Devices](#)  
 [Stratix IV Device Handbook Vol.4](#)  
 [Stratix IV GX Errata](#)  
 [Stratix IV Device Handbook Vol1](#)  
 [Stratix IV Device Handbook Vol.1](#)  
 [Virtual JTAG Megafuntion User Guide](#)

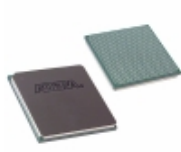
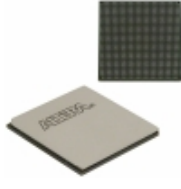
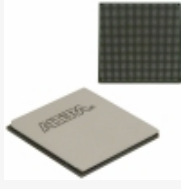
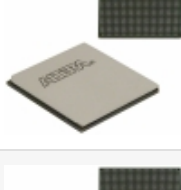
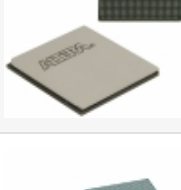
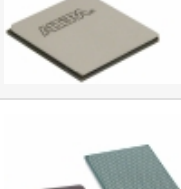
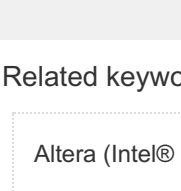
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                |                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EP4SGX110FF35C3N                          | Manufacturer                   | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                                                                                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC FPGA 372 I/O 1152FBGA                  | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 33 pcs                                    | Data sheet                     | <a href="#">Stratix IV Device Family Overview</a><br><a href="#">Stratix IV Devices</a><br><a href="#">Stratix IV Device Handbook Vol.4</a><br><a href="#">Stratix IV GX Errata</a><br><a href="#">Stratix IV Device Handbook Vol1</a><br><a href="#">Stratix IV Device Handbook Vol.1</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 0.87 V ~ 0.93 V                                                                                                                                                                                                                                                                                                                                   |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9793536                                   | Supplier Device Package        | 1152-FBGA (35x35)                                                                                                                                                                                                                                                                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Stratix® IV GX                            | Package / Case                 | 1152-BBGA, FCBGA                                                                                                                                                                                                                                                                                                                                  |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 544-2629                                  | Operating Temperature          | 0°C ~ 85°C (TJ)                                                                                                                                                                                                                                                                                                                                   |
| Number of Logic Elements/Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 105600                                    | Number of LABs/CLBs            | 4224                                                                                                                                                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EP4SGX110                                 |                                |                                                                                                                                                                                                                                                                                                                                                   |
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| RELATED PRODUCTS                                                                   |                                                                                   |                                                                             |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EP4SGX110DF29I4N</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="#">EP4SGX110DF29I4</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="#">EP4SGX110FF35C2X</a><br>Description: IC FPGA 372 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110HF35C2</a><br>Description: IC FPGA 488 I/O 1152FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110FF35C3G</a><br>Description: 1152-PIN FBGA             | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110FF35C4N</a><br>Description: IC FPGA 372 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110DF29C4N</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="#">EP4SGX110DF29I3</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="#">EP4SGX110HF35C3</a><br>Description: IC FPGA 488 I/O 1152FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110FF35C4</a><br>Description: IC FPGA 372 I/O 1152FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110HF35C2N</a><br>Description: IC FPGA 488 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110FF35I4N</a><br>Description: IC FPGA 372 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110DF29C4</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="#">EP4SGX110HF35C3N</a><br>Description: IC FPGA 488 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110DF29I3N</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="#">EP4SGX110FF35I3</a><br>Description: IC FPGA 372 I/O 1152FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110FF35I3N</a><br>Description: IC FPGA 372 I/O 1152FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110FF35C2XN</a><br>Description: IC FPGA 372 I/O 1152FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110FF35I4</a><br>Description: IC FPGA 372 I/O 1152FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110FF35C3</a><br>Description: IC FPGA 372 I/O 1152FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

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