

EP2A15F672C9N



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**Part Number:** [EP2A15F672C9N](#)

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

**Description** IC FPGA 492 I/O 672FBGA

**Data sheet:**  [APEX II Datasheet](#)  
 [672-FBGA Pkg Info](#)  
 [Virtual JTAG Megafuntion User Guide](#)

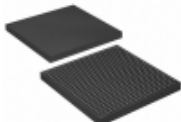
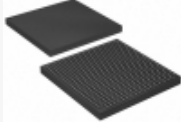
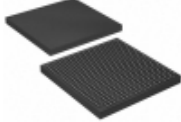
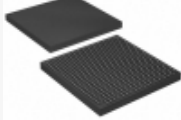
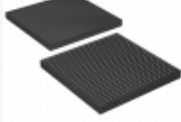
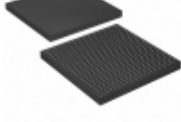
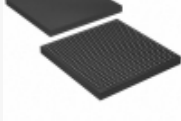
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EP2A15F672C9N                             | Manufacturer                   | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC FPGA 492 I/O 672FBGA                   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5265 pcs                                  | Data sheet                     | <a href="#">APEX II Datasheet</a><br><a href="#">672-FBGA Pkg Info</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 1.425 V ~ 1.575 V                                                                                                             |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 425984                                    | Supplier Device Package        | 672-FBGA (27x27)                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | APEX II                                   | Package / Case                 | 672-BBGA, FCBGA                                                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells | 16640                                                                                                                         |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1664                                      | Number of I/O                  | 492                                                                                                                           |
| Number of Gates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1900000                                   | Mounting Type                  | Surface Mount                                                                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                    |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EP2A15                                    |                                |                                                                                                                               |
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|  | Part#: <a href="#">EP2A25B724C8</a><br>Description: IC FPGA 540 I/O 724BGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2A15B724C8</a><br>Description: IC FPGA 492 I/O 724BGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2A25B724C7</a><br>Description: IC FPGA 540 I/O 724BGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2A25B652C9</a><br>Description: IC FPGA                  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2A15F672C8</a><br>Description: IC FPGA 492 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2A25B724-C7</a><br>Description: IC FPGA                 | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2A25F1020C8ES</a><br>Description: IC FPGA               | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2A15F672I8</a><br>Description: IC FPGA 492 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
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