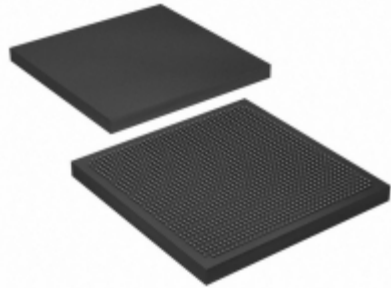


EP4SE820H40C3N



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [EP4SE820H40C3N](#)

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

**Description** IC FPGA 976 I/O 1517HBGA

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

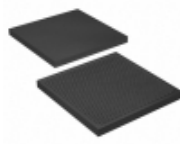
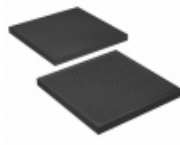
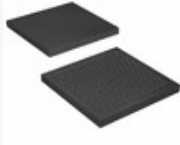
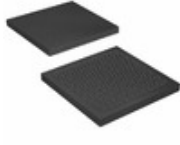
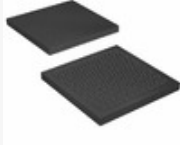
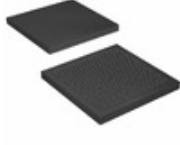
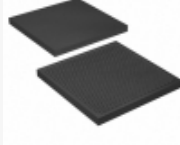
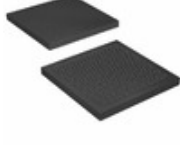
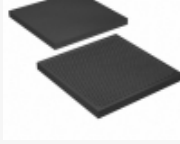
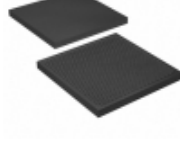
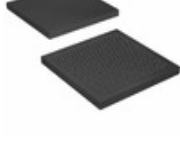
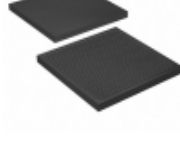
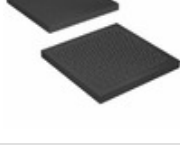
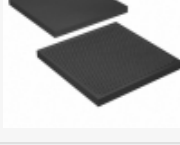
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |                                |                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | EP4SE820H40C3N                            | Manufacturer                   | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                                                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | IC FPGA 976 I/O 1517HBGA                  | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7 pcs                                     | Data sheet                     | <a href="#">Stratix IV Device Family Overview</a><br><a href="#">Stratix IV Devices</a><br><a href="#">Stratix IV E Errata</a><br><a href="#">Stratix IV Device Handbook Vol.4</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 34093056                                  | Supplier Device Package        | 1517-HBGA (42.5x42.5)                                                                                                                                                                                                                                                                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STRATIX® IV E                             | Package / Case                 | 1517-BBGA, FCBGA                                                                                                                                                                                                                                                                                                                                 |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 544-2650                                  | Operating Temperature          | 0°C ~ 85°C (TJ)                                                                                                                                                                                                                                                                                                                                  |
| Number of Logic Elements/Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 813050                                    | Number of LABs/CLBs            | 32522                                                                                                                                                                                                                                                                                                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 976                                       | Mounting Type                  | Surface Mount                                                                                                                                                                                                                                                                                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                       |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EP4SE820                                  |                                |                                                                                                                                                                                                                                                                                                                                                  |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Altera (Intel® Programmable Solutions Group) series electronic components. We have 7 pieces of Altera (Intel® Programmable Solutions Group) EP4SE820H40C3N 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="#">EP4SE820H40I4</a><br>Description: IC FPGA 976 I/O 1517HBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110DF29C2XN</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="#">EP4SE820H40C4</a><br>Description: IC FPGA 976 I/O 1517HBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H35I4N</a><br>Description: IC FPGA 744 I/O 1152HBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H35C4</a><br>Description: IC FPGA 744 I/O 1152HBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H35I3</a><br>Description: IC FPGA 744 I/O 1152HBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H35C3</a><br>Description: IC FPGA 744 I/O 1152HBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H40C3</a><br>Description: IC FPGA 976 I/O 1517HBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H35I3N</a><br>Description: IC FPGA 744 I/O 1152HBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110DF29C2X</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="#">EP4SGX110DF29C3N</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="#">EP4SE820H40I4N</a><br>Description: IC FPGA 976 I/O 1517HBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H40I3N</a><br>Description: IC FPGA 976 I/O 1517HBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H35I4</a><br>Description: IC FPGA 744 I/O 1152HBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H35C4N</a><br>Description: IC FPGA 744 I/O 1152HBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820F43I4N</a><br>Description: IC FPGA 1120 I/O 1760FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H40C4N</a><br>Description: IC FPGA 976 I/O 1517HBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SGX110DF29C3</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="#">EP4SE820H35C3N</a><br>Description: IC FPGA 744 I/O 1152HBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4SE820H40I3</a><br>Description: IC FPGA 976 I/O 1517HBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

| Related keywords for EP4SE820H40C3N                            |                                              |                          |                                              |
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|                                                                | EP4SE820H40C3N                               |                          | EP4SE820H40C3N                               |