



Altera (Intel® Programmable Solutions Group)

Solutions Group)

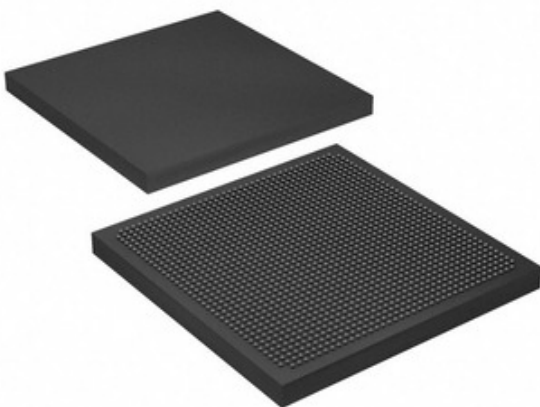


Image may be representation. See specifications for product details.

EP4SE820H40I4N

|                                                                            |                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:                                                               | EP4SE820H40I4N                                                                                                                                                                                                                                                                                                                                             |
| Manufacturer/Brand:                                                        | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                               |
| Product description                                                        | IC FPGA 976 I/O 1517HBGA <div><div>PDF</div>1.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>2.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>3.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>4.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>5.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>6.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>7.EP4SE820H40I4N.pdf</div> |
| Datasheets:                                                                |                                                                                                                                                                                                                                                                                                                                                            |
| RoHs Status                                                                | <div><div>RoHS</div><div>✓</div></div> Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                          |
| Stock Condition                                                            | 8 pcs stock                                                                                                                                                                                                                                                                                                                                                |
| Ship From                                                                  | Hong Kong                                                                                                                                                                                                                                                                                                                                                  |
| <div>REQUEST FOR QUOTATION</div> <div>by Air/Sea/Express/TNT/UPS/EMS</div> |                                                                                                                                                                                                                                                                                                                                                            |

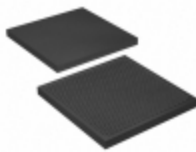
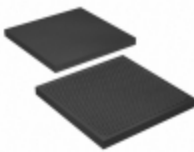
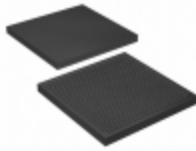
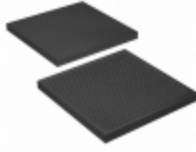
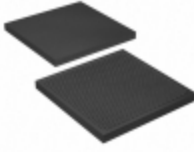
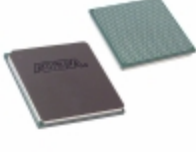
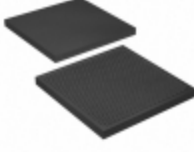
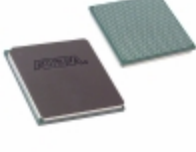
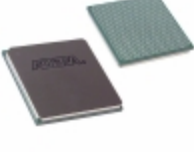
Specifications of EP4SE820H40I4N

|                                  |                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP4SE820H40I4N                                                                                                                                                                                                                                                                                                                    |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                      |
| DESCRIPTION                      | IC FPGA 976 I/O 1517HBGA                                                                                                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                        |
| QUANTITY AVAILABLE               | 8 pcs                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       | <div><div>PDF</div>1.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>2.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>3.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>4.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>5.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>6.EP4SE820H40I4N.pdf</div> <div><div>PDF</div>7.EP4SE820H40I4N.pdf</div> |
| 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                                                                                                                                                                                                                                                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 100°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                                                                                                                                                                                                                                                                                                                          |

Related Tags

|                                                             |                                                       |                                                                 |
|-------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group) EP4SE820H40I4N | EP4SE820H40I4N Distributor                            | EP4SE820H40I4N Supplier                                         |
| EP4SE820H40I4N Price                                        | EP4SE820H40I4N Pictures                               | EP4SE820H40I4N Image                                            |
| EP4SE820H40I4N PDF Datasheet                                | EP4SE820H40I4N Download Datasheet                     | EP4SE820H40I4N Datasheet                                        |
| EP4SE820H40I4N Stock                                        | Buy EP4SE820H40I4N                                    | Buy Altera (Intel® Programmable Solutions Group) EP4SE820H40I4N |
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| Altera (Intel® Programmable Solutions Group) EP4SE820H40I4N | Altera EP4SE820H40I4N                                 | Altera (Intel® Programmable Solutions Group) EP4SE820H40I4N     |

Related Products

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                              |
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| <div></div> <div>EP4SE820H40I3</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 976 I/O 1517HBGA</div> <div>In stock: 5 pcs</div> <div>RFQ</div>     | <div></div> <div>EP4SE820H40C4</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 976 I/O 1517HBGA</div> <div>In stock: 9 pcs</div> <div>RFQ</div>    |
| <div></div> <div>EP4SE820H40I4</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 976 I/O 1517HBGA</div> <div>In stock: 8 pcs</div> <div>RFQ</div>     | <div></div> <div>EP4SGX110DF29C4N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 36 pcs</div> <div>RFQ</div> |
| <div></div> <div>EP4SE820H40C4N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 976 I/O 1517HBGA</div> <div>In stock: 10 pcs</div> <div>RFQ</div>   | <div></div> <div>EP4SE820H40C3N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 976 I/O 1517HBGA</div> <div>In stock: 8 pcs</div> <div>RFQ</div>   |
| <div></div> <div>EP4SGX110DF29C2XN</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 25 pcs</div> <div>RFQ</div> | <div></div> <div>EP4SGX110DF29C3N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 27 pcs</div> <div>RFQ</div> |
| <div></div> <div>EP4SGX110DF29C4</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 36 pcs</div> <div>RFQ</div>   | <div></div> <div>EP4SE820H40I3N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 976 I/O 1517HBGA</div> <div>In stock: 7 pcs</div> <div>RFQ</div>   |
| <div></div> <div>EP4SGX110DF29C2X</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 20 pcs</div> <div>RFQ</div>  | <div></div> <div>EP4SGX110DF29C3</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 372 I/O 780FBGA</div> <div>In stock: 30 pcs</div> <div>RFQ</div>  |