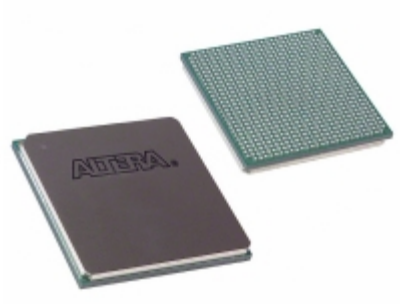


EP4CE40F29C8LN



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [EP4CE40F29C8LN](#)

**Manufacturer** [Intel® FPGAs](#)

**Description** IC FPGA 532 I/O 780FBGA

**Data sheet:**  [Cyclone IV FPGA Overview](#)  
 [Cyclone IV Device Datasheet](#)  
 [Virtual JTAG Megafuntion User Guide](#)  
 [Cyclone IV Device Family Errata](#)  
 [Cyclone IV Device Handbook](#)

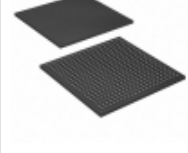
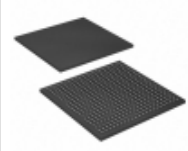
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                  |                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                         | EP4CE40F29C8LN                            | Manufacturer                     | <a href="#">Intel® FPGAs</a>                                                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC FPGA 532 I/O 780FBGA                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1106 pcs                                  | Data sheet                       | <a href="#">Cyclone IV FPGA Overview</a><br><a href="#">Cyclone IV Device Datasheet</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a><br><a href="#">Cyclone IV Device Family Errata</a><br><a href="#">Cyclone IV Device Handbook</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 0.97 V ~ 1.03 V                                                                                                                                                                                                                                 |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1161216                                   | Supplier Device Package          | 780-FBGA (29x29)                                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cyclone® IV E                             | Package / Case                   | 780-BGA                                                                                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                               | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 39600                                                                                                                                                                                                                                           |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2475                                      | Number of I/O                    | 532                                                                                                                                                                                                                                             |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                       | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                   |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                     | 8 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                      |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                    | EP4CE40                                   |                                  |                                                                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                               |                                             |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------|---------------------|
|  | Part#: <a href="#">EP4CE40F29I7N</a><br>Description: IC FPGA 532 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29C6N</a><br>Description: IC FPGA 532 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F23I7N</a><br>Description: IC FPGA 328 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29C7N</a><br>Description: IC FPGA 532 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29I8L</a><br>Description: IC FPGA 532 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F23I8L</a><br>Description: IC FPGA 328 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29C6</a><br>Description: IC FPGA 532 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29I7</a><br>Description: IC FPGA 532 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40U19I7N</a><br>Description: IC FPGA 328 I/O 484UBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40U19A7N</a><br>Description: IC FPGA 328 I/O 484UBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29C9LN</a><br>Description: IC FPGA 532 I/O 780FBGA | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE55F23A7N</a><br>Description: IC FPGA 324 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29I8LN</a><br>Description: IC FPGA 532 I/O 780FBGA | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29C8</a><br>Description: IC FPGA 532 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F23I8LN</a><br>Description: IC FPGA 328 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29C9L</a><br>Description: IC FPGA 532 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29C8L</a><br>Description: IC FPGA 532 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F23I7</a><br>Description: IC FPGA 328 I/O 484FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29C7</a><br>Description: IC FPGA 532 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE40F29C8N</a><br>Description: IC FPGA 532 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a> | <a href="#">RFQ</a> |

|                                            |                            |                         |                      |
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