

EP4CE30F29C8L



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Part Number: [EP4CE30F29C8L](#)

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

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](#)

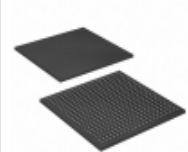
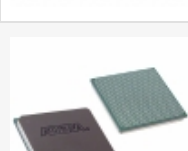
RoHs Status: Contains lead / RoHS non-compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                  |                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EP4CE30F29C8L                             | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC FPGA 532 I/O 780FBGA                   | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                                                                                                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1680 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 608256                                    | 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   | 28848                                                                                                                                                                                                                                           |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1803                                      | 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   | Contains lead / RoHS non-compliant                                                                                                                                                                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EP4CE30                                   |                                  |                                                                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                               |                                                                             |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EP4CE30F23I7N</a><br>Description: IC FPGA 328 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE30F29C8N</a><br>Description: IC FPGA 532 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE30F29C9LN</a><br>Description: IC FPGA 532 I/O 780FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">EP4CE30F29C8</a><br>Description: IC FPGA 532 I/O 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">EP4CE30F29I8LN</a><br>Description: IC FPGA 532 I/O 780FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE40F19A7N</a><br>Description: IC FPGA 193 I/O 324FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE30F23I7</a><br>Description: IC FPGA 328 I/O 484FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE30F23I8LN</a><br>Description: IC FPGA 328 I/O 484FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE30F29C7</a><br>Description: IC FPGA 532 I/O 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE30F29C6</a><br>Description: IC FPGA 532 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE30F29C6N</a><br>Description: IC FPGA 532 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE30F29I7</a><br>Description: IC FPGA 532 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE30F29I7N</a><br>Description: IC FPGA 532 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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| Related keywords for EP4CE30F29C8L           |                                              |                         |                                              |
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