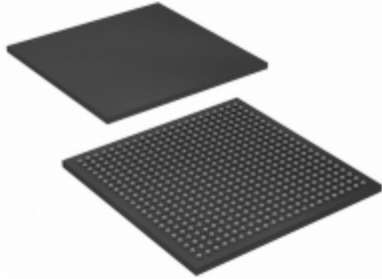


EP4CE75F23C8N



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [EP4CE75F23C8N](#)

**Manufacturer:** [Intel® FPGAs](#)

**Description:** IC FPGA 292 I/O 484FBGA

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

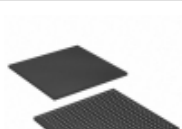
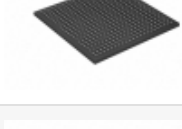
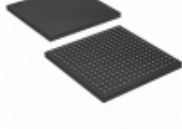
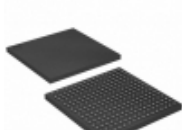
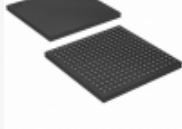
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                 |                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                       | EP4CE75F23C8N                             | Manufacturer                    | <a href="#">Intel® FPGAs</a>                                                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC FPGA 292 I/O 484FBGA                   | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                | 523 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                | 1.15 V ~ 1.25 V                                                                                                                                                                                                                                 |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2810880                                   | Supplier Device Package         | 484-FBGA (23x23)                                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cyclone® IV E                             | Package / Case                  | 484-BGA                                                                                                                                                                                                                                         |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                       | 544-3511<br>EP4CE75F23C8N-ND              | Operating Temperature           | 0°C ~ 85°C (TJ)                                                                                                                                                                                                                                 |
| Number of Logic Elements/Cells                                                                                                                                                                                                                                                                                                                                                                                                                    | 75408                                     | Number of LABs/CLBs             | 4713                                                                                                                                                                                                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                     | 292                                       | 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                | EP4CE75                                                                                                                                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                               |                                                                             |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EP4CE75F29C6N</a><br>Description: IC FPGA 426 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F29C7N</a><br>Description: IC FPGA 426 I/O 780FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23C9L</a><br>Description: IC FPGA 292 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23C9LN</a><br>Description: IC FPGA 292 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23I7</a><br>Description: IC FPGA 292 I/O 484FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23I8L</a><br>Description: IC FPGA 292 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23C7</a><br>Description: IC FPGA 292 I/O 484FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23C8</a><br>Description: IC FPGA 292 I/O 484FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE6U14I7N</a><br>Description: IC FPGA 179 I/O 256UBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F29C7</a><br>Description: IC FPGA 426 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE6F17I8L</a><br>Description: IC FPGA 179 I/O 256FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23C8L</a><br>Description: IC FPGA 292 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23I8LN</a><br>Description: IC FPGA 292 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23I7N</a><br>Description: IC FPGA 292 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23C6N</a><br>Description: IC FPGA 292 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23C6</a><br>Description: IC FPGA 292 I/O 484FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23C8LN</a><br>Description: IC FPGA 292 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE6F17I8LN</a><br>Description: IC FPGA 179 I/O 256FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F29C6</a><br>Description: IC FPGA 426 I/O 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE75F23C7N</a><br>Description: IC FPGA 292 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

| Related keywords for EP4CE75F23C8N |                           |                        |                     |
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