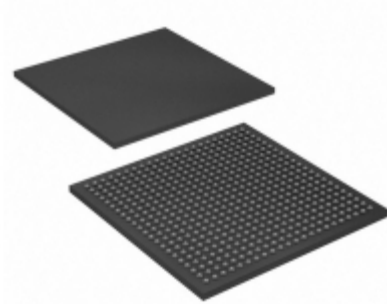


EP4CE115F23I7



Images are for reference only.  
See Product Specifications for product details.  
Buy EP4CE115F23I7 with confidence from Component-World.HK, 1 Year Warranty



**Part Number:** [EP4CE115F23I7](#)

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

**Description:** IC FPGA 280 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](#)

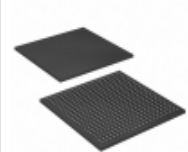
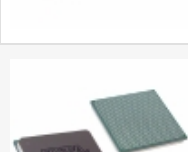
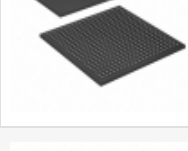
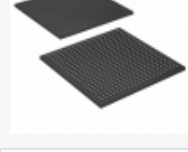
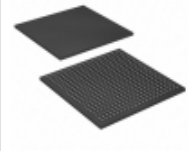
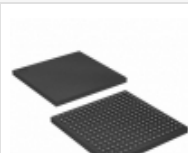
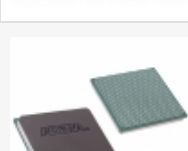
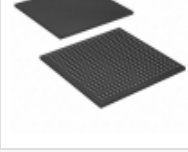
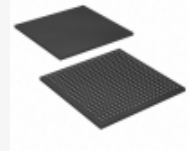
**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                  |                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EP4CE115F23I7                             | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC FPGA 280 I/O 484FBGA                   | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                                                                                                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 187 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3981312                                   | Supplier Device Package          | 484-FBGA (23x23)                                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cyclone® IV E                             | Package / Case                   | 484-BGA                                                                                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -40°C ~ 100°C (TJ)                        | Number of Logic Elements/Cells   | 114480                                                                                                                                                                                                                                          |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7155                                      | Number of I/O                    | 280                                                                                                                                                                                                                                             |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EP4CE115                                  |                                  |                                                                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                |                                                                             |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EP4CE115F23C8N</a><br>Description: IC FPGA 280 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F29C9L</a><br>Description: IC FPGA 528 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F29C7N</a><br>Description: IC FPGA 528 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F29C7</a><br>Description: IC FPGA 528 I/O 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F23C7N</a><br>Description: IC FPGA 280 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F23I8L</a><br>Description: IC FPGA 280 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F23C9LN</a><br>Description: IC FPGA 280 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F23C8</a><br>Description: IC FPGA 280 I/O 484FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F23I7N</a><br>Description: IC FPGA 280 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F29C8LN</a><br>Description: IC FPGA 528 I/O 780FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE10U14I7N</a><br>Description: IC FPGA 179 I/O 256UBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F29C8</a><br>Description: IC FPGA 528 I/O 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F23C8LN</a><br>Description: IC FPGA 280 I/O 484FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F23C8L</a><br>Description: IC FPGA 280 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F23I8LN</a><br>Description: IC FPGA 280 I/O 484FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F29C8L</a><br>Description: IC FPGA 528 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F23C7</a><br>Description: IC FPGA 280 I/O 484FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F23C9L</a><br>Description: IC FPGA 280 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE10F17I8LN</a><br>Description: IC FPGA 179 I/O 256FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP4CE115F29C8N</a><br>Description: IC FPGA 528 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

| Related keywords for EP4CE115F23I7           |                                              |                         |                                              |
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