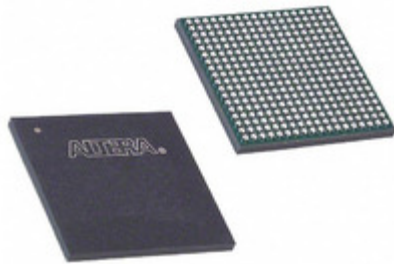


EP3C25F324C8



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [EP3C25F324C8](#)

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

**Description** IC FPGA 215 I/O 324FBGA

**Data sheet:**  [Cyclone III FPGA Family Errata](#)  
 [Cyclone III Family Overview](#)  
 [Cyclone III Device Handbook Vol2](#)  
 [Cyclone III Device Handbook Vol1](#)  
 [Cyclone III Brochure](#)  
 [Cyclone III\\_Design Guidelines](#)  
 [Virtual JTAG Megafuntion User Guide](#)  
 [Cyclone III Datasheet](#)

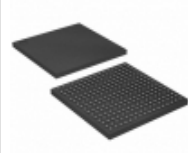
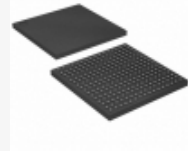
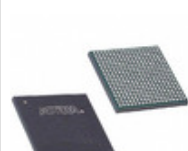
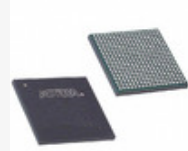
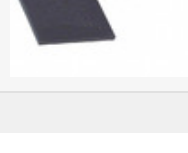
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EP3C25F324C8                              | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                                                                                                                                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC FPGA 215 I/O 324FBGA                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1361 pcs                                  | Data sheet                       | <a href="#">Cyclone III FPGA Family Errata</a><br><a href="#">Cyclone III Family Overview</a><br><a href="#">Cyclone III Device Handbook Vol2</a><br><a href="#">Cyclone III Device Handbook Vol1</a><br><a href="#">Cyclone III Brochure</a><br><a href="#">Cyclone III_Design Guidelines</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a><br><a href="#">Cyclone III Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.15 V ~ 1.25 V                                                                                                                                                                                                                                                                                                                                                                                |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 608256                                    | Supplier Device Package          | 324-FBGA (19x19)                                                                                                                                                                                                                                                                                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cyclone® III                              | Package / Case                   | 324-BGA                                                                                                                                                                                                                                                                                                                                                                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 24624                                                                                                                                                                                                                                                                                                                                                                                          |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1539                                      | Number of I/O                    | 215                                                                                                                                                                                                                                                                                                                                                                                            |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EP3C25                                    |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                              |                                                                             |                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EP3C25U256C6</a><br>Description: IC FPGA 156 I/O 256UBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25U256C7</a><br>Description: IC FPGA 156 I/O 256UBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F324A7N</a><br>Description: IC FPGA 215 I/O 324FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25U256A7N</a><br>Description: IC FPGA 156 I/O 256UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F324C6</a><br>Description: IC FPGA 215 I/O 324FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F324C6N</a><br>Description: IC FPGA 215 I/O 324FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F256C8</a><br>Description: IC FPGA 156 I/O 256FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F256C7N</a><br>Description: IC FPGA 156 I/O 256FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25U256C6N</a><br>Description: IC FPGA 156 I/O 256UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F256I7</a><br>Description: IC FPGA 156 I/O 256FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F256I7N</a><br>Description: IC FPGA 156 I/O 256FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F324C7N</a><br>Description: IC FPGA 215 I/O 324FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F324C7</a><br>Description: IC FPGA 215 I/O 324FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F324I7N</a><br>Description: IC FPGA 215 I/O 324FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25Q240C8N</a><br>Description: IC FPGA 148 I/O 240QFP  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25Q240C8</a><br>Description: IC FPGA 148 I/O 240QFP   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25U256C7N</a><br>Description: IC FPGA 156 I/O 256UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F256C8N</a><br>Description: IC FPGA 156 I/O 256FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F324I7</a><br>Description: IC FPGA 215 I/O 324FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C25F324C8N</a><br>Description: IC FPGA 215 I/O 324FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |

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