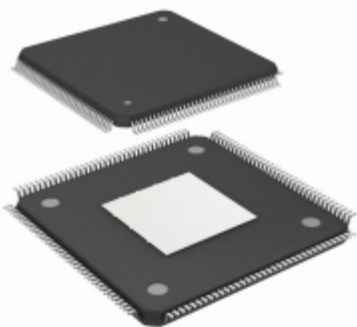


EP3C10E144I7



Images are for reference only.  
See Product Specifications for product details.  
Buy EP3C10E144I7 with confidence from Component-World.HK, 1 Year Warranty



**Part Number:** [EP3C10E144I7](#)

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

**Description:** IC FPGA 94 I/O 144EQFP

**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](#)

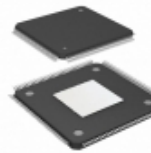
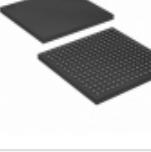
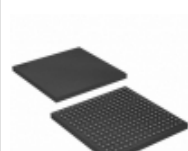
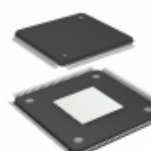
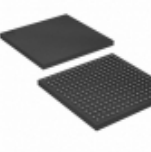
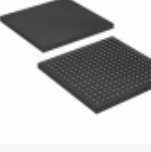
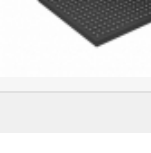
**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

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

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EP3C10E144I7                              | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                                                                                                                                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC FPGA 94 I/O 144EQFP                    | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2650 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 423936                                    | Supplier Device Package          | 144-EQFP (20x20)                                                                                                                                                                                                                                                                                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cyclone® III                              | Package / Case                   | 144-LQFP Exposed Pad                                                                                                                                                                                                                                                                                                                                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -40°C ~ 100°C (TJ)                        | Number of Logic Elements/Cells   | 10320                                                                                                                                                                                                                                                                                                                                                                                          |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 645                                       | Number of I/O                    | 94                                                                                                                                                                                                                                                                                                                                                                                             |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                  |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20 Weeks                                  | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EP3C10                                    |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                              |                                                                             |                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EP3C10E144C7</a><br>Description: IC FPGA 94 I/O 144EQFP   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3642</a><br>Description: PANEL STEEL 34.2X40.2" WHT     | Manufacturers: <a href="#">Hammond Manufacturing</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10F256A7N</a><br>Description: IC FPGA 182 I/O 256FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3636</a><br>Description: PANEL STEEL 34.2X34.2" WHT     | Manufacturers: <a href="#">Hammond Manufacturing</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3660</a><br>Description: PANEL STEEL 34.2X58.2" WHT     | Manufacturers: <a href="#">Hammond Manufacturing</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10E144C7N</a><br>Description: IC FPGA 94 I/O 144EQFP  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3630</a><br>Description: PANEL STEEL 34.2X28.2" WHT     | Manufacturers: <a href="#">Hammond Manufacturing</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10F256C8N</a><br>Description: IC FPGA 182 I/O 256FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10E144C8N</a><br>Description: IC FPGA 94 I/O 144EQFP  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10E144I7N</a><br>Description: IC FPGA 94 I/O 144EQFP  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10F256C6</a><br>Description: IC FPGA 182 I/O 256FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3648</a><br>Description: PANEL STEEL 34.2X46.2" WHT     | Manufacturers: <a href="#">Hammond Manufacturing</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10F256I7</a><br>Description: IC FPGA 182 I/O 256FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10E144A7N</a><br>Description: IC FPGA 94 I/O 144EQFP  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10F256C6N</a><br>Description: IC FPGA 182 I/O 256FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10F256C7N</a><br>Description: IC FPGA 182 I/O 256FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10E144C8</a><br>Description: IC FPGA 94 I/O 144EQFP   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10F256C8</a><br>Description: IC FPGA 182 I/O 256FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10F256I7N</a><br>Description: IC FPGA 182 I/O 256FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP3C10F256C7</a><br>Description: IC FPGA 182 I/O 256FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

| Related keywords for EP3C10E144I7 |                                              |                                              |                                              |
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|                                   |                                              |                                              | EP3C10E144I7                                 |