

EP1C3T100A8N



**Part Number:** [EP1C3T100A8N](#)

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

**Description:** IC FPGA 65 I/O 100TQFP

**Data sheet:**  [Cyclone Device Handbook, Volume 1](#)  
 [Automotive-Grade Device Handbook](#)  
 [100-TQFP Pkg Info](#)  
 [Virtual JTAG Megafuntion User Guide](#)  
 [Cyclone FPGA Family](#)

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

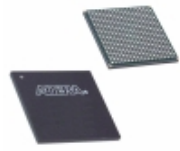
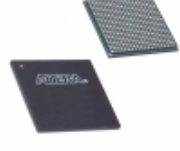
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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                  |                                                                                                                                                                                                                                          |
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| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EP1C3T100A8N                              | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC FPGA 65 I/O 100TQFP                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4199 pcs                                  | Data sheet                       | <a href="#">Cyclone Device Handbook, Volume 1</a><br><a href="#">Automotive-Grade Device Handbook</a><br><a href="#">100-TQFP Pkg Info</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a><br><a href="#">Cyclone FPGA Family</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.425 V ~ 1.575 V                                                                                                                                                                                                                        |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 59904                                     | Supplier Device Package          | 100-TQFP (14x14)                                                                                                                                                                                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cyclone®                                  | Package / Case                   | 100-TQFP                                                                                                                                                                                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 2910                                                                                                                                                                                                                                     |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 291                                       | Number of I/O                    | 65                                                                                                                                                                                                                                       |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                            |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Lead free / RoHS Compliant                | Base Part Number                 | EP1C3                                                                                                                                                                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                              |                                                                             |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EP1C20F400C7N</a><br>Description: IC FPGA 301 I/O 400FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C20F400I7</a><br>Description: IC FPGA 301 I/O 400FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C20F400C6</a><br>Description: IC FPGA 301 I/O 400FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C3T100I7N</a><br>Description: IC FPGA 65 I/O 100TQFP   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C20F400C6AB</a><br>Description: IC FPGA FBGA           | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C20F400C8N</a><br>Description: IC FPGA 301 I/O 400FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C3T144C6</a><br>Description: IC FPGA 104 I/O 144TQFP   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C3T100C6N</a><br>Description: IC FPGA 65 I/O 100TQFP   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C20F400I7N</a><br>Description: IC FPGA 301 I/O 400FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C3T100C7N</a><br>Description: IC FPGA 65 I/O 100TQFP   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C3T100I7</a><br>Description: IC FPGA 65 I/O 100TQFP    | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C20F400C6N</a><br>Description: IC FPGA 301 I/O 400FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C3T100C8N</a><br>Description: IC FPGA 65 I/O 100TQFP   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C3T100C7</a><br>Description: IC FPGA 65 I/O 100TQFP    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C20F400C8</a><br>Description: IC FPGA 301 I/O 400FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C20F400C7</a><br>Description: IC FPGA 301 I/O 400FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C20F400C8NAC</a><br>Description: IC FPGA FBGA          | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C3T100C8</a><br>Description: IC FPGA 65 I/O 100TQFP    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C3T144A8N</a><br>Description: IC FPGA 104 I/O 144TQFP  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1C3T100C6</a><br>Description: IC FPGA 65 I/O 100TQFP    | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |

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|----------------------------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Related keywords for <b>EP1C3T100A8N</b>     |                                              |                        |                                              |
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