



Altera (Intel® Programmable

Solutions Group)

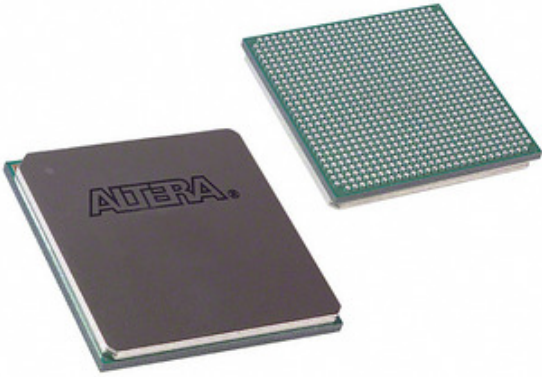


Image may be representation. See specifications for product details.

EP3CLS100F780I7N

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:                                               | EP3CLS100F780I7N                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Manufacturer/Brand:                                        | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product description                                        | IC FPGA 413 I/O 780FBGA <div><a href="#">PDF</a> 1.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 2.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 3.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 4.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 5.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 6.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 7.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 8.EP3CLS100F780I7N.pdf</div> |
| Datasheets:                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RoHs Status                                                |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                            |
| Ship From                                                  | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <div>REQUEST FOR QUOTATION</div> <div>ex/TNT/UPS/EMS</div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

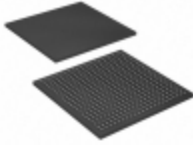
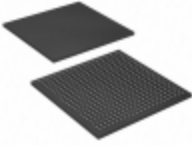
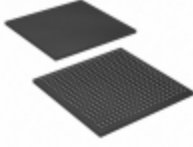
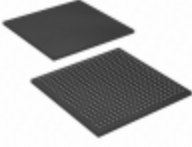
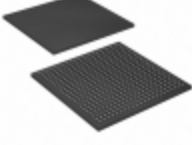
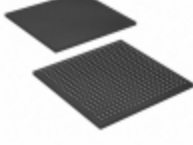
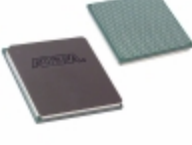
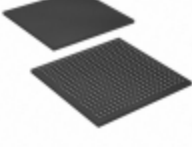
Specifications of EP3CLS100F780I7N

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP3CLS100F780I7N                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                                                                    |
| DESCRIPTION                      | IC FPGA 413 I/O 780FBGA                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DATA SHEET                       | <div><a href="#">PDF</a> 1.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 2.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 3.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 4.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 5.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 6.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 7.EP3CLS100F780I7N.pdf</div> <div><a href="#">PDF</a> 8.EP3CLS100F780I7N.pdf</div> |
| VOLTAGE - SUPPLY                 | 1.15 V ~ 1.25 V                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| TOTAL RAM BITS                   | 4451328                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 780-FBGA (29x29)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SERIES                           | Cyclone® III                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PACKAGE / CASE                   | 780-BGA                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 100448                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NUMBER OF LABS/CLBS              | 6278                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NUMBER OF I/O                    | 413                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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                 | EP3CLS100                                                                                                                                                                                                                                                                                                                                                                                                                                       |

Related Tags

|                                                               |                                                       |                                                                   |
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Related Products

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| <div></div> <div>EP3CLS100U484I7</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 278 I/O 484UBGA</div> <div>In stock: Out stock</div> <div>RFQ</div>  | <div></div> <div>EP3CLS100U484C7</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 278 I/O 484UBGA</div> <div>In stock: Out stock</div> <div>RFQ</div>  |
| <div></div> <div>EP3CLS100U484C8N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 278 I/O 484UBGA</div> <div>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div>EP3CLS100F484I7N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 278 I/O 484FBGA</div> <div>In stock: Out stock</div> <div>RFQ</div> |
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