



Altera (Intel® Programmable Solutions Group)



Image may be representation. See specifications for product details.

EP3C80F780C6

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EP3C80F780C6                                                                                                         |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                         |
| Product description | IC FPGA 429 I/O 780FBGA                                                                                              |
|                     | <a href="#">1.EP3C80F780C6.pdf</a>                                                                                   |
|                     | <a href="#">2.EP3C80F780C6.pdf</a>                                                                                   |
|                     | <a href="#">3.EP3C80F780C6.pdf</a>                                                                                   |
|                     | <a href="#">4.EP3C80F780C6.pdf</a>                                                                                   |
|                     | <a href="#">5.EP3C80F780C6.pdf</a>                                                                                   |
|                     | <a href="#">6.EP3C80F780C6.pdf</a>                                                                                   |
|                     | <a href="#">7.EP3C80F780C6.pdf</a>                                                                                   |
|                     | <a href="#">8.EP3C80F780C6.pdf</a>                                                                                   |
| Datasheets:         |                                                                                                                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 238 pcs stock                                                                                                        |
|                     | <a href="#">REQUEST FOR QUOTATION</a>                                                                                |
| Shipment way        | DHL/ Fedex/TNT/UPS/EMS                                                                                               |

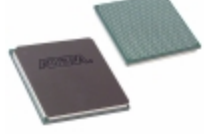
Specifications of EP3C80F780C6

|                                  |                                                                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP3C80F780C6                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                 |
| DESCRIPTION                      | IC FPGA 429 I/O 780FBGA                                                                                                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 238 pcs                                                                                                                                                                                                                                                                                                      |
| DATA SHEET                       | <a href="#">1.EP3C80F780C6.pdf</a><br><a href="#">2.EP3C80F780C6.pdf</a><br><a href="#">3.EP3C80F780C6.pdf</a><br><a href="#">4.EP3C80F780C6.pdf</a><br><a href="#">5.EP3C80F780C6.pdf</a><br><a href="#">6.EP3C80F780C6.pdf</a><br><a href="#">7.EP3C80F780C6.pdf</a><br><a href="#">8.EP3C80F780C6.pdf</a> |
| VOLTAGE - SUPPLY                 | 1.15 V ~ 1.25 V                                                                                                                                                                                                                                                                                              |
| TOTAL RAM BITS                   | 2810880                                                                                                                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 780-FBGA (29x29)                                                                                                                                                                                                                                                                                             |
| SERIES                           | Cyclone® III                                                                                                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 780-BGA                                                                                                                                                                                                                                                                                                      |
| OTHER NAMES                      | 544-2520                                                                                                                                                                                                                                                                                                     |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                                                                                                              |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 81264                                                                                                                                                                                                                                                                                                        |
| NUMBER OF LABS/CLBS              | 5079                                                                                                                                                                                                                                                                                                         |
| NUMBER OF I/O                    | 429                                                                                                                                                                                                                                                                                                          |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                           |
| BASE PART NUMBER                 | EP3C80                                                                                                                                                                                                                                                                                                       |

Related Tags

|                                                           |                                                       |                                                               |
|-----------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group) EP3C80F780C6 | EP3C80F780C6 Distributor                              | EP3C80F780C6 Supplier                                         |
| EP3C80F780C6 Price                                        | EP3C80F780C6 Pictures                                 | EP3C80F780C6 Image                                            |
| EP3C80F780C6 PDF Datasheet                                | EP3C80F780C6 Download Datasheet                       | EP3C80F780C6 Datasheet                                        |
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| Altera (Intel® Programmable Solutions Group) EP3C80F780C6 | Altera EP3C80F780C6                                   | Altera (Intel® Programmable Solutions Group) EP3C80F780C6     |

Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>EP3C80F484I7</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 295 I/O 484FBGA</div> <div>In stock: 213 pcs</div> <div>RFQ</div>  |  <div>EP3C80F484C7</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 295 I/O 484FBGA</div> <div>In stock: 315 pcs</div> <div>RFQ</div>  |
|  <div>EP3C80F780C8N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 429 I/O 780FBGA</div> <div>In stock: 330 pcs</div> <div>RFQ</div> |  <div>EP3C80F780C7N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 429 I/O 780FBGA</div> <div>In stock: 249 pcs</div> <div>RFQ</div> |
|  <div>EP3C80F484I7N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 295 I/O 484FBGA</div> <div>In stock: 230 pcs</div> <div>RFQ</div>                                 |  <div>EP3C80F484C7N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 295 I/O 484FBGA</div> <div>In stock: 291 pcs</div> <div>RFQ</div> |
|  <div>EP3C80F780C6N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 429 I/O 780FBGA</div> <div>In stock: 229 pcs</div> <div>RFQ</div> |  <div>EP3C80F780C8</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 429 I/O 780FBGA</div> <div>In stock: 355 pcs</div> <div>RFQ</div>                                  |
|  <div>EP3C80F780C7</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 429 I/O 780FBGA</div> <div>In stock: 259 pcs</div> <div>RFQ</div>  |  <div>EP3C80F484C8N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 295 I/O 484FBGA</div> <div>In stock: 388 pcs</div> <div>RFQ</div>                                 |
|  <div>EP3C80F780I7</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 429 I/O 780FBGA</div> <div>In stock: 198 pcs</div> <div>RFQ</div>  |  <div>EP3C80F484C8</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 295 I/O 484FBGA</div> <div>In stock: 368 pcs</div> <div>RFQ</div>                                  |