

EP1S20F780C6GA



Part Number: [EP1S20F780C6GA](#)

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

Description: IC FPGA STRATIX 780FBGA

Data sheet:  [Stratix Device Handbook](#)

RoHS Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

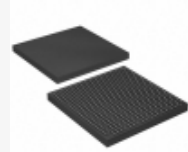
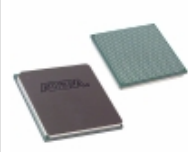
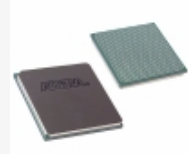
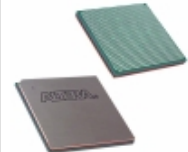
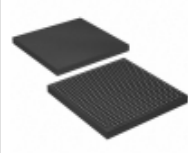
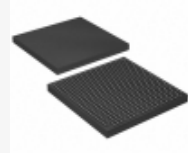
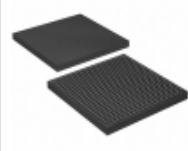
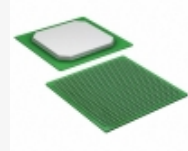
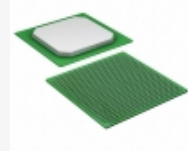
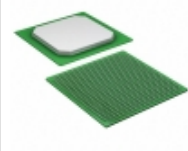
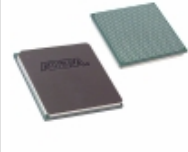
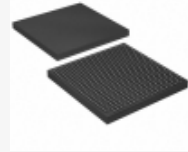
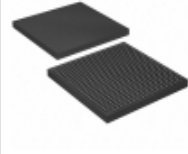
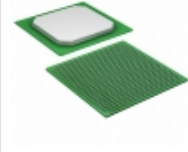
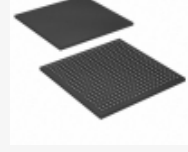
Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER              |                                           |                                  |                                                              |
|--------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------|
| Part Number                    | EP1S20F780C6GA                            | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a> |
| Description                    | IC FPGA STRATIX 780FBGA                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                   |
| Quantity Available             | 5399 pcs                                  | Data sheet                       | <a href="#">Stratix Device Handbook</a>                      |
| Category                       | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.425 V ~ 1.575 V                                            |
| Total RAM Bits                 | 1669248                                   | Supplier Device Package          | 780-FBGA (29x29)                                             |
| Series                         | Stratix®                                  | Package / Case                   | 780-BBGA, FCBGA                                              |
| Operating Temperature          | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 18460                                                        |
| Number of LABs/CLBs            | 1846                                      | Number of I/O                    | 586                                                          |
| Mounting Type                  | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                |
| Lead Free Status / RoHS Status | Lead free / RoHS Compliant                |                                  |                                                              |

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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EP1S20F780C6N</a><br>Description: IC FPGA 586 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S20F672C7N</a><br>Description: IC FPGA 426 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S20F780C7N</a><br>Description: IC FPGA 586 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S20F780I6N</a><br>Description: IC FPGA 586 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25F1020C5</a><br>Description: IC FPGA 706 I/O 1020FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S20F780C6</a><br>Description: IC FPGA 586 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S20F672C6N</a><br>Description: IC FPGA 426 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S20F672I7</a><br>Description: IC FPGA 426 I/O 672FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S20F672I7N</a><br>Description: IC FPGA 426 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25B672C6N</a><br>Description: IC FPGA 473 I/O 672BGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S20F780C7</a><br>Description: IC FPGA 586 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25B672C7</a><br>Description: IC FPGA 473 I/O 672BGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25B672C6</a><br>Description: IC FPGA 473 I/O 672BGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">EP1S20F780C5N</a><br>Description: IC FPGA 586 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">EP1S20F780C5</a><br>Description: IC FPGA 586 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25B672C7N</a><br>Description: IC FPGA 473 I/O 672BGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S20F484I6N</a><br>Description: IC FPGA 361 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |

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| Related keywords for <b>EP1S20F780C6GA</b> |                                              |                                              |                                              |
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