

EP1S25F780I6



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Part Number: [EP1S25F780I6](#)

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

Description: IC FPGA 597 I/O 780FBGA

Data sheet:  [780-FBGA Pkg Info](#)  
 [Virtual JTAG Megafuntion User Guide](#)  
 [Stratix Device Datasheet](#)  
 [Stratix Device Handbook](#)

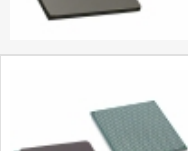
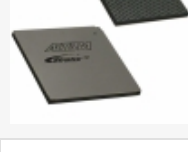
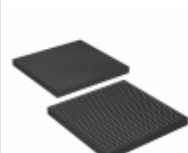
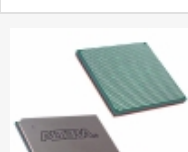
RoHS Status: Contains lead / RoHS non-compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                |                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EP1S25F780I6                              | Manufacturer                   | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC FPGA 597 I/O 780FBGA                   | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4154 pcs                                  | Data sheet                     | <a href="#">780-FBGA Pkg Info</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a><br><a href="#">Stratix Device Datasheet</a><br><a href="#">Stratix Device Handbook</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 1.425 V ~ 1.575 V                                                                                                                                                               |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1944576                                   | Supplier Device Package        | 780-FBGA (29x29)                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Stratix®                                  | Package / Case                 | 780-BBGA                                                                                                                                                                        |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 544-2782                                  | Operating Temperature          | -40°C ~ 100°C (TJ)                                                                                                                                                              |
| Number of Logic Elements/Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 25660                                     | Number of LABs/CLBs            | 2566                                                                                                                                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 597                                       | Mounting Type                  | Surface Mount                                                                                                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                                                                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EP1S25                                    |                                |                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                  |                                                                             |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EP1S25F672C8NGA</a><br>Description: IC FPGA STRATIX 672FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25F780C5N</a><br>Description: IC FPGA 597 I/O 780FBGA     | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25F780I6N</a><br>Description: IC FPGA 597 I/O 780FBGA     | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S30B956C7</a><br>Description: IC FPGA 683 I/O 956BGA       | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">EP1S30F1020C5N</a><br>Description: IC FPGA 726 I/O 1020FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S30B956C5</a><br>Description: IC FPGA 683 I/O 956BGA       | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25F780C6</a><br>Description: IC FPGA 597 I/O 780FBGA      | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25F672I8</a><br>Description: IC FPGA STRATIX 672FBGA      | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25F672I7N</a><br>Description: IC FPGA 473 I/O 672FBGA     | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S30F1020C6</a><br>Description: IC FPGA 726 I/O 1020FBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S30F1020C6N</a><br>Description: IC FPGA 726 I/O 1020FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">EP1S25F672I7</a><br>Description: IC FPGA 473 I/O 672FBGA      | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S30F1020C5</a><br>Description: IC FPGA 726 I/O 1020FBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S30F1020C6NGA</a><br>Description: IC FPGA STRATIX 1020FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP1S25F780C7</a><br>Description: IC FPGA 597 I/O 780FBGA      | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
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