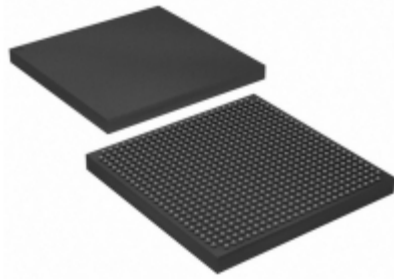


EP1S10F672C6N



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [EP1S10F672C6N](#)

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

**Description:** IC FPGA 345 I/O 672FBGA

**Data sheet:**  [672-FBGA Pkg Info](#)  
 [Virtual JTAG Megafuntion User Guide](#)  
 [Stratix Device Datasheet](#)  
 [Stratix Device Handbook](#)

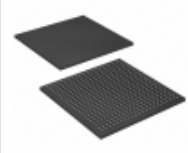
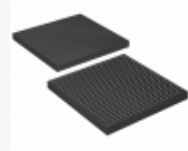
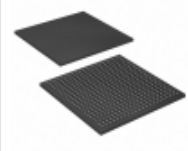
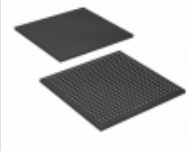
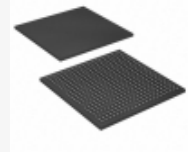
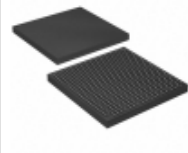
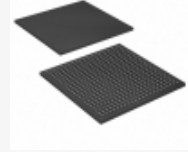
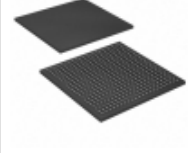
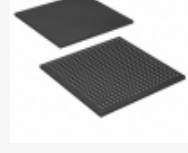
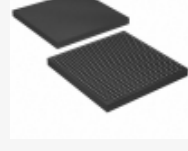
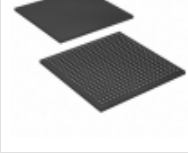
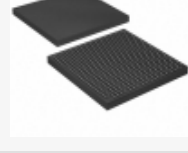
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                  |                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EP1S10F672C6N                             | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC FPGA 345 I/O 672FBGA                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4241 pcs                                  | Data sheet                       | <a href="#">672-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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 920448                                    | Supplier Device Package          | 672-FBGA (27x27)                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stratix®                                  | Package / Case                   | 672-BBGA                                                                                                                                                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 10570                                                                                                                                                                           |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1057                                      | Number of I/O                    | 345                                                                                                                                                                             |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                | Base Part Number                 | EP1S10                                                                                                                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                               |                                                                             |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EP1S10F484C6N</a><br>Description: IC FPGA 335 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F672C7</a><br>Description: IC FPGA 345 I/O 672FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F484C7N</a><br>Description: IC FPGA 335 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10B672I7</a><br>Description: IC FPGA STRATIX 672BGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F484C6</a><br>Description: IC FPGA 335 I/O 484FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F484C7</a><br>Description: IC FPGA 335 I/O 484FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F672C7N</a><br>Description: IC FPGA 345 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F672C7AA</a><br>Description: IC FPGA STRATIX 672FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F780C5</a><br>Description: IC FPGA 426 I/O 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F484C5N</a><br>Description: IC FPGA 335 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F484I6N</a><br>Description: IC FPGA 335 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F780C7</a><br>Description: IC FPGA 426 I/O 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F780C6</a><br>Description: IC FPGA 426 I/O 780FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F484C5</a><br>Description: IC FPGA 335 I/O 484FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F780C6N</a><br>Description: IC FPGA 426 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F672I7</a><br>Description: IC FPGA 345 I/O 672FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F484I6</a><br>Description: IC FPGA 335 I/O 484FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F672C6</a><br>Description: IC FPGA 345 I/O 672FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F780C5N</a><br>Description: IC FPGA 426 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP1S10F672I7N</a><br>Description: IC FPGA 345 I/O 672FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

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