

EP2S130F780C5N



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**Part Number:** [EP2S130F780C5N](#)

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

**Description:** IC FPGA 534 I/O 780FBGA

**Data sheet:**  [Stratix II Device Handbook, Volume1](#)  
 [780-FBGA Pkg Info](#)  
 [Stratix II Device Handbook](#)  
 [Virtual JTAG Megafuntion User Guide](#)

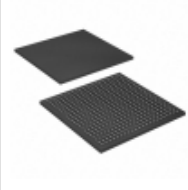
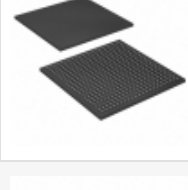
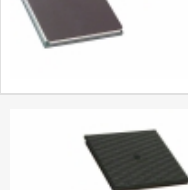
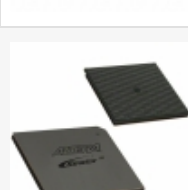
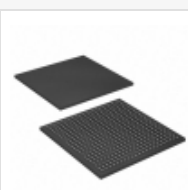
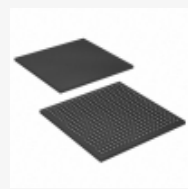
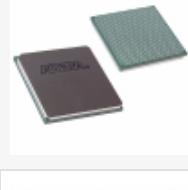
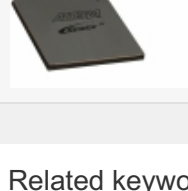
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                  |                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EP2S130F780C5N                            | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC FPGA 534 I/O 780FBGA                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20 pcs                                    | Data sheet                       | <a href="#">Stratix II Device Handbook, Volume1</a><br><a href="#">780-FBGA Pkg Info</a><br><a href="#">Stratix II Device Handbook</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.15 V ~ 1.25 V                                                                                                                                                                               |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6747840                                   | Supplier Device Package          | 780-FBGA (29x29)                                                                                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Stratix® II                               | Package / Case                   | 780-BBGA                                                                                                                                                                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 132540                                                                                                                                                                                        |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6627                                      | Number of I/O                    | 534                                                                                                                                                                                           |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                 |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Lead free / RoHS Compliant                | Base Part Number                 | EP2S130                                                                                                                                                                                       |
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| RELATED PRODUCTS                                                                   |                                                                                  |                                                                             |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EP2S15F484C3</a><br>Description: IC FPGA 342 I/O 484FBGA      | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S130F780C4N</a><br>Description: IC FPGA 534 I/O 780FBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S15F484C5N</a><br>Description: IC FPGA 342 I/O 484FBGA     | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S15F484I4</a><br>Description: IC FPGA 342 I/O 484FBGA      | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S130F1508I4</a><br>Description: IC FPGA 1126 I/O 1508FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S130F780C5</a><br>Description: IC FPGA 534 I/O 780FBGA     | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">EP2S130F1508C5N</a><br>Description: IC FPGA 1126 I/O 1508FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S130F1508C5</a><br>Description: IC FPGA 1126 I/O 1508FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S15F672C3</a><br>Description: IC FPGA 366 I/O 672FBGA      | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S15F484C3N</a><br>Description: IC FPGA 342 I/O 484FBGA     | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S130F1508C4</a><br>Description: IC FPGA 1126 I/O 1508FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S15F484I4N</a><br>Description: IC FPGA 342 I/O 484FBGA     | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S15F484C4</a><br>Description: IC FPGA 342 I/O 484FBGA      | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
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