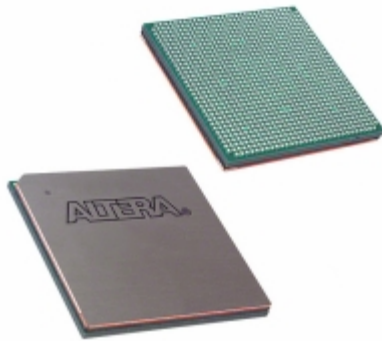


EP2S130F1020C4N



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: EP2S130F1020C4N

Manufacturer: Altera (Intel® Programmable Solutions Group)

Description: IC FPGA 742 I/O 1020FBGA

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

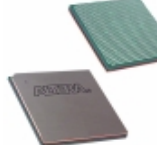
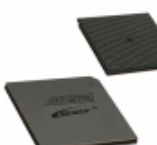
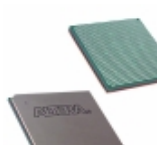
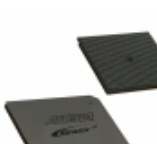
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EP2S130F1020C4N                           | Manufacturer                   | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC FPGA 742 I/O 1020FBGA                  | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 13 pcs                                    | Data sheet                     | <a href="#">Stratix II Device Handbook, Volume1</a><br><a href="#">896-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        | 1020-FBGA (33x33)                                                                                                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stratix® II                               | Package / Case                 | 1020-BBGA                                                                                                                                                                                     |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 544-1866<br>EP2S130F1020C4N-ND            | Operating Temperature          | 0°C ~ 85°C (TJ)                                                                                                                                                                               |
| Number of Logic Elements/Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 132540                                    | Number of LABs/CLBs            | 6627                                                                                                                                                                                          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 742                                       | 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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|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EP2S130F1508C4</a><br>Description: IC FPGA 1126 I/O 1508FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2C8T144C8</a><br>Description: IC FPGA 85 I/O 144TQFP        | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1020C4</a><br>Description: IC FPGA 742 I/O 1020FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1020C3</a><br>Description: IC FPGA 742 I/O 1020FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2C8T144C7N</a><br>Description: IC FPGA 85 I/O 144TQFP       | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1020C5</a><br>Description: IC FPGA 742 I/O 1020FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1508C4N</a><br>Description: IC FPGA 1126 I/O 1508FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2C8T144C8N</a><br>Description: IC FPGA 85 I/O 144TQFP       | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP2OK60EQI208-2X</a><br>Description: IC FPGA                  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1020C3N</a><br>Description: IC FPGA 742 I/O 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1508C5N</a><br>Description: IC FPGA 1126 I/O 1508FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1020C5N</a><br>Description: IC FPGA 742 I/O 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1020I4</a><br>Description: IC FPGA 742 I/O 1020FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1508C5</a><br>Description: IC FPGA 1126 I/O 1508FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2C8T144I8</a><br>Description: IC FPGA 85 I/O 144TQFP        | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2C8T144I8N</a><br>Description: IC FPGA 85 I/O 144TQFP       | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1508C3</a><br>Description: IC FPGA 1126 I/O 1508FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2C8T144C7</a><br>Description: IC FPGA 85 I/O 144TQFP        | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1020I4N</a><br>Description: IC FPGA 742 I/O 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP2S130F1508C3N</a><br>Description: IC FPGA 1126 I/O 1508FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |

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