

EP2SGX130GF1508C3



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**Part Number:** [EP2SGX130GF1508C3](#)

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

**Description:** IC FPGA 734 I/O 1508FBGA

**Data sheet:**  [Stratix II GX Device Datasheet](#)  
 [Stratix II GX Handbook Volume 1](#)  
 [1508-FBGA Pkg Info](#)  
 [Stratix II GX Device Handbook](#)  
 [Virtual JTAG Megafuntion User Guide](#)

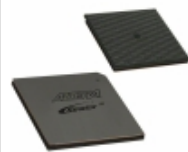
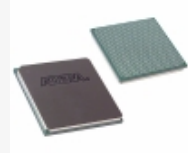
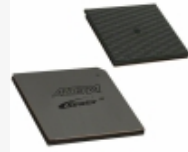
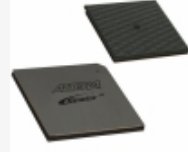
**RoHs Status:** Contains lead / RoHS non-compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                                |                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EP2SGX130GF1508C3                                        | Manufacturer                   | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC FPGA 734 I/O 1508FBGA                                 | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                                                                                                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5498 pcs                                                 | Data sheet                     | <a href="#">Stratix II GX Device Datasheet</a><br><a href="#">Stratix II GX Handbook Volume 1</a><br><a href="#">1508-FBGA Pkg Info</a><br><a href="#">Stratix II GX 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        | 1508-FBGA (30x30)                                                                                                                                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Stratix® II GX                                           | Package / Case                 | 1508-BBGA, FCBGA                                                                                                                                                                                                                                |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 544-1737<br>544-1741<br>544-1741-ND<br>EP2SGX130GF40C3ES | Operating Temperature          | 0°C ~ 85°C (TJ)                                                                                                                                                                                                                                 |
| Number of Logic Elements/Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 132540                                                   | Number of LABs/CLBs            | 6627                                                                                                                                                                                                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 734                                                      | Mounting Type                  | Surface Mount                                                                                                                                                                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 (168 Hours)                                            | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                                                                                                                                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EP2SGX130                                                |                                |                                                                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                    |                                                                             |                     |
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|  | Part#: <a href="#">EP2S90F780I4N</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="#">EP2SGX130GF1508C5</a><br>Description: IC FPGA 734 I/O 1508FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">EP2S90F780C4</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="#">EP2SGX130GF40C3N</a><br>Description: IC FPGA 734 I/O 1508FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S90F1508C5</a><br>Description: IC FPGA 902 I/O 1508FBGA      | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EP2S90F780I4</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="#">EP2S90F780C4N</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="#">EP2SGX130GF1508C5N</a><br>Description: IC FPGA 734 I/O 1508FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
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