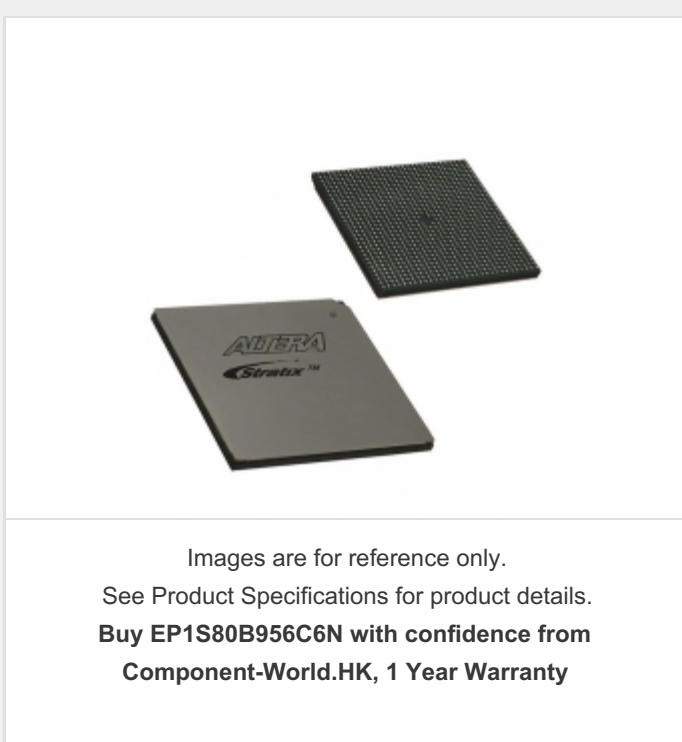


**EP1S80B956C6N**



**Part Number:** [EP1S80B956C6N](#)

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

**Description:** IC FPGA 683 I/O 956BGA

**Data sheet:** [956-BGA 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

[Request For Quotation](#)

| PRODUCT PARAMETER                     |   |   |  |
|---------------------------------------|---|---|--|
| <b>Part Number</b>                    | EP1S80B956C6N                             | <b>Manufacturer</b>                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>   |
| <b>Description</b>                    | IC FPGA 683 I/O 956BGA                    | <b>Lead Free Status / RoHS Status</b>   | Lead free / RoHS Compliant   |
| <b>Quantity Available</b>             | 4181 pcs                                  | <b>Data sheet</b>                       | <a href="#">956-BGA 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> |
| <b>Category</b>                       | <a href="#">Integrated Circuits (ICs)</a> | <b>Voltage - Supply</b>                 | 1.425 V ~ 1.575 V  |
| <b>Total RAM Bits</b>                 | 7427520                                   | <b>Supplier Device Package</b>          | 956-BGA (40x40)  |
| <b>Series</b>                         | Stratix®                                  | <b>Package / Case</b>                   | 956-BBGA   |
| <b>Operating Temperature</b>          | 0°C ~ 85°C (TJ)                           | <b>Number of Logic Elements/Cells</b>   | 79040  |
| <b>Number of LABs/CLBs</b>            | 7904                                      | <b>Number of I/O</b>                    | 683  |
| <b>Mounting Type</b>                  | Surface Mount                             | <b>Moisture Sensitivity Level (MSL)</b> | 3 (168 Hours)  |
| <b>Lead Free Status / RoHS Status</b> | Lead free / RoHS Compliant                | <b>Base Part Number</b>                 | EP1S80   |

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|  | <b>Part#:</b> <a href="#">EP1S60F1508I6</a><br><b>Description:</b> IC FPGA 1022 I/O 1508FBGA   | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">EP1S80B956C6AB</a><br><b>Description:</b> IC FPGA STRATIX 956BGA     | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">EP1S80F1020C6N</a><br><b>Description:</b> IC FPGA 773 I/O 1020FBGA   | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
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|  | <b>Part#:</b> <a href="#">EP1S80F1020C7GA</a><br><b>Description:</b> IC FPGA STRATIX 1020FBGA  | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">EP1S60F1508C7N</a><br><b>Description:</b> IC FPGA 1022 I/O 1508FBGA  | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">EP1S80F1020C7NGA</a><br><b>Description:</b> IC FPGA STRATIX 1020FBGA | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
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|  | <b>Part#:</b> <a href="#">EP1S60F1508C6</a><br><b>Description:</b> IC FPGA 1022 I/O 1508FBGA   | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
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|  | <b>Part#:</b> <a href="#">EP1S80B956C6</a><br><b>Description:</b> IC FPGA 683 I/O 956BGA       | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">EP1S80B956C7</a><br><b>Description:</b> IC FPGA 683 I/O 956BGA       | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">EP1S60F1508C7</a><br><b>Description:</b> IC FPGA 1022 I/O 1508FBGA   | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">EP1S80B956C6AA</a><br><b>Description:</b> IC FPGA STRATIX 956BGA     | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">EP1S60F1020I6GB</a><br><b>Description:</b> IC FPGA STRATIX 1020FBGA  | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">EP1S80F1020C5</a><br><b>Description:</b> IC FPGA 773 I/O 1020FBGA    | <b>Manufacturers:</b> <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

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