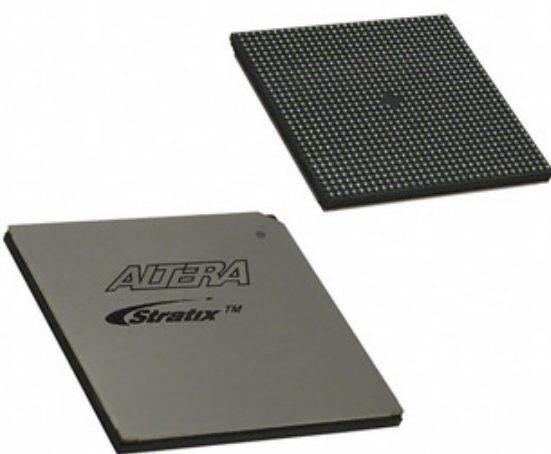




Altera (Intel® Programmable Solutions Group)



## EP1S40B956C5

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EP1S40B956C5                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product description | IC FPGA 683 I/O 956BGA<br> 1.EP1S40B956C5.pdf<br> 2.EP1S40B956C5.pdf<br> 3.EP1S40B956C5.pdf<br> 4.EP1S40B956C5.pdf |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RoHs Status         |  Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                   |
| Stock Condition     | 4171 pcs stock                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                  |

REQUEST FOR QUOTATION

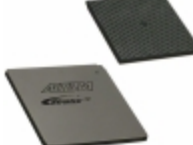
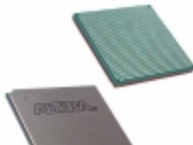
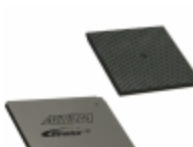
### Specifications of EP1S40B956C5

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP1S40B956C5                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                                                                         |
| DESCRIPTION                      | IC FPGA 683 I/O 956BGA                                                                                                                                                                                                                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 4171 pcs                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       |  1.EP1S40B956C5.pdf<br> 2.EP1S40B956C5.pdf<br> 3.EP1S40B956C5.pdf<br> 4.EP1S40B956C5.pdf |
| VOLTAGE - SUPPLY                 | 1.425 V ~ 1.575 V                                                                                                                                                                                                                                                                                                                                                                                                                    |
| TOTAL RAM BITS                   | 3423744                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 956-BGA (40x40)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SERIES                           | Stratix®                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PACKAGE / CASE                   | 956-BBGA                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 41250                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NUMBER OF LABS/CLBS              | 4125                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NUMBER OF I/O                    | 683                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASE PART NUMBER                 | EP1S40                                                                                                                                                                                                                                                                                                                                                                                                                               |

### Related Tags

|                                                           |                                                       |                                                               |
|-----------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group) EP1S40B956C5 | EP1S40B956C5 Distributor                              | EP1S40B956C5 Supplier                                         |
| EP1S40B956C5 Price                                        | EP1S40B956C5 Pictures                                 | EP1S40B956C5 Image                                            |
| EP1S40B956C5 PDF Datasheet                                | EP1S40B956C5 Download Datasheet                       | EP1S40B956C5 Datasheet                                        |
| EP1S40B956C5 Stock                                        | Buy EP1S40B956C5                                      | Buy Altera (Intel® Programmable Solutions Group) EP1S40B956C5 |
| Altera (Intel® Programmable Solutions Group) EP1S40B956C5 | Altera (Intel® Programmable Solutions Group) Supplier | Altera (Intel® Programmable Solutions Group) Distributor      |
| Altera (Intel® Programmable Solutions Group) EP1S40B956C5 | Altera EP1S40B956C5                                   | Altera (Intel® Programmable Solutions Group) EP1S40B956C5     |

### Related Products

|                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>EP1S30F780C7N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 597 I/O 780FBGA<br/>In stock: 6016 pcs<br/><b>RFQ</b></div>    |  <div><b>EP1S40B956I6</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 683 I/O 956BGA<br/>In stock: 4932 pcs<br/><b>RFQ</b></div>   |
|  <div><b>EP1S40F1020C5</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 773 I/O 1020FBGA<br/>In stock: 6725 pcs<br/><b>RFQ</b></div>   |  <div><b>EP1S30F780C8</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 597 I/O 780FBGA<br/>In stock: 5743 pcs<br/><b>RFQ</b></div>  |
|  <div><b>EP1S30F780C8N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 597 I/O 780FBGA<br/>In stock: 3151 pcs<br/><b>RFQ</b></div>    |  <div><b>EP1S40B956C6</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 683 I/O 956BGA<br/>In stock: 3665 pcs<br/><b>RFQ</b></div>   |
|  <div><b>EP1S40F1020C5AA</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA STRATIX 1020FBGA<br/>In stock: 3291 pcs<br/><b>RFQ</b></div> |  <div><b>EP1S40B956C6N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 683 I/O 956BGA<br/>In stock: 6607 pcs<br/><b>RFQ</b></div>  |
|  <div><b>EP1S30F780I8</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA STRATIX 780FBGA<br/>In stock: 4635 pcs<br/><b>RFQ</b></div>     |  <div><b>EP1S40B956C7</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 683 I/O 956BGA<br/>In stock: 2997 pcs<br/><b>RFQ</b></div>   |
|  <div><b>EP1S30F780I6</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 597 I/O 780FBGA<br/>In stock: 4074 pcs<br/><b>RFQ</b></div>     |  <div><b>EP1S30F780I6N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 597 I/O 780FBGA<br/>In stock: 6823 pcs<br/><b>RFQ</b></div> |