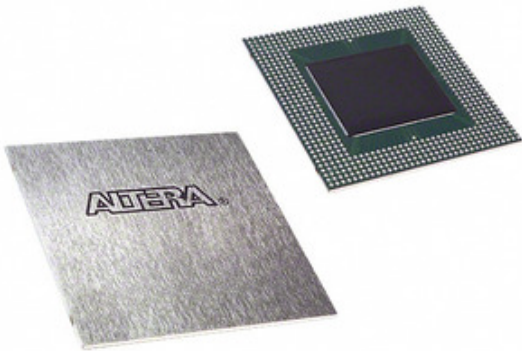




Altera (Intel® Programmable

Solutions Group)



### EP20K400CB652C9

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | EP20K400CB652C9                                                                                              |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                 |
| Product description | IC FPGA 488 I/O 652BGA                                                                                       |
| Datasheets:         |  EP20K400CB652C9.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 3893 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

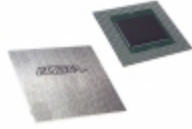
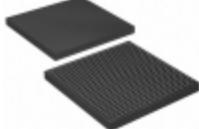
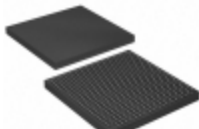
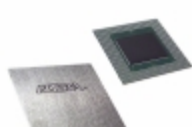
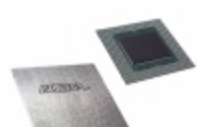
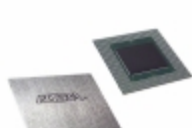
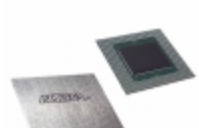
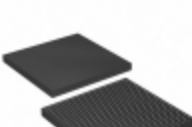
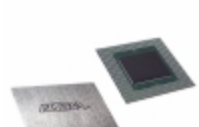
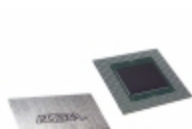
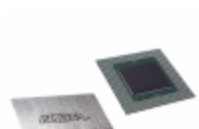
#### Specifications of EP20K400CB652C9

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP20K400CB652C9                                                                                         |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                            |
| DESCRIPTION                      | IC FPGA 488 I/O 652BGA                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE               | 3893 pcs                                                                                                |
| DATA SHEET                       |  EP20K400CB652C9.pdf |
| VOLTAGE - SUPPLY                 | 1.71 V ~ 1.89 V                                                                                         |
| TOTAL RAM BITS                   | 212992                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 652-BGA (45x45)                                                                                         |
| SERIES                           | APEX-20KC®                                                                                              |
| PACKAGE / CASE                   | 652-BGA                                                                                                 |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                         |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 16640                                                                                                   |
| NUMBER OF LABS/CLBS              | 1664                                                                                                    |
| NUMBER OF I/O                    | 488                                                                                                     |
| NUMBER OF GATES                  | 1052000                                                                                                 |
| MOUNTING TYPE                    | Surface Mount                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| BASE PART NUMBER                 | EP20K400                                                                                                |

#### Related Tags

|                                                                 |                                                       |                                                                     |
|-----------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group)<br>EP20K400CB652C9 | EP20K400CB652C9 Distributor                           | EP20K400CB652C9 Supplier                                            |
| EP20K400CB652C9 Price                                           | EP20K400CB652C9 Pictures                              | EP20K400CB652C9 Image                                               |
| EP20K400CB652C9 PDF Datasheet                                   | EP20K400CB652C9 Download Datasheet                    | EP20K400CB652C9 Datasheet                                           |
| EP20K400CB652C9 Stock                                           | Buy EP20K400CB652C9                                   | Buy Altera (Intel® Programmable Solutions Group)<br>EP20K400CB652C9 |
| Altera (Intel® Programmable Solutions Group)<br>EP20K400CB652C9 | Altera (Intel® Programmable Solutions Group) Supplier | Altera (Intel® Programmable Solutions Group) Distributor            |
| Altera (Intel® Programmable Solutions Group)<br>EP20K400CB652C9 | Altera EP20K400CB652C9                                | Altera (Intel® Programmable Solutions Group)<br>EP20K400CB652C9     |

#### Related Products

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>EP20K400CB652C8</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 488 I/O 652BGA<br/>In stock: 3710 pcs<br/>RFQ</div>  | <div></div> <div><b>EP20K400CF672C7GA</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA<br/>In stock: 5751 pcs<br/>RFQ</div>               |
| <div></div> <div><b>EP20K400BC652-2AA</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA<br/>In stock: 2720 pcs<br/>RFQ</div>               | <div></div> <div><b>EP20K400CF672C7</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 488 I/O 672FBGA<br/>In stock: 5122 pcs<br/>RFQ</div> |
| <div></div> <div><b>EP20K400CB652C7</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 488 I/O 652BGA<br/>In stock: 5506 pcs<br/>RFQ</div>  | <div></div> <div><b>EP20K400BC652-2X</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 502 I/O 652BGA<br/>In stock: 2957 pcs<br/>RFQ</div> |
| <div></div> <div><b>EP20K400CB652I8</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 488 I/O 652BGA<br/>In stock: 7085 pcs<br/>RFQ</div>  | <div></div> <div><b>EP20K400CB652C9ES</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA<br/>In stock: 6653 pcs<br/>RFQ</div>               |
| <div></div> <div><b>EP20K400CF672C8</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 488 I/O 672FBGA<br/>In stock: 2884 pcs<br/>RFQ</div> | <div></div> <div><b>EP20K400CB652I8ES</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA<br/>In stock: 6847 pcs<br/>RFQ</div>               |
| <div></div> <div><b>EP20K400BC652-3</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 502 I/O 652BGA<br/>In stock: 4022 pcs<br/>RFQ</div>  | <div></div> <div><b>EP20K400BI652-2V</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 502 I/O 652BGA<br/>In stock: 5178 pcs<br/>RFQ</div> |