



Altera (Intel® Programmable Solutions Group)

Solutions Group)



Image may be representation. See specifications for product details.

EP20K160EFI484-2X

|                     |                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EP20K160EFI484-2X                                                                                                                                                                                                                                                                                                                                                                      |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                                           |
| Product description | IC FPGA 316 I/O 484FBGA <div> 1.EP20K160EFI484-2X.pdf</div> <div> 2.EP20K160EFI484-2X.pdf</div> <div> 3.EP20K160EFI484-2X.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                        |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                           |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                  |

REQUEST FOR QUOTATION

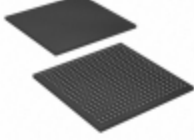
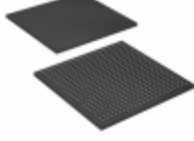
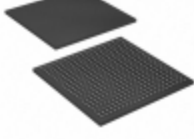
Specifications of EP20K160EFI484-2X

|                                  |                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP20K160EFI484-2X                                                                                                                                                                                                                                                                                                                                                    |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                                                         |
| DESCRIPTION                      | IC FPGA 316 I/O 484FBGA                                                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                           |
| DATA SHEET                       | <div> 1.EP20K160EFI484-2X.pdf</div> <div> 2.EP20K160EFI484-2X.pdf</div> <div> 3.EP20K160EFI484-2X.pdf</div> |
| VOLTAGE - SUPPLY                 | 1.71 V ~ 1.89 V                                                                                                                                                                                                                                                                                                                                                      |
| TOTAL RAM BITS                   | 81920                                                                                                                                                                                                                                                                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 484-FBGA (23x23)                                                                                                                                                                                                                                                                                                                                                     |
| SERIES                           | APEX-20KE®                                                                                                                                                                                                                                                                                                                                                           |
| PACKAGE / CASE                   | 484-BBGA                                                                                                                                                                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                                                                                                                                                                   |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 6400                                                                                                                                                                                                                                                                                                                                                                 |
| NUMBER OF LABS/CLBS              | 640                                                                                                                                                                                                                                                                                                                                                                  |
| NUMBER OF I/O                    | 316                                                                                                                                                                                                                                                                                                                                                                  |
| NUMBER OF GATES                  | 404000                                                                                                                                                                                                                                                                                                                                                               |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                                                                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                           |
| BASE PART NUMBER                 | EP20K160                                                                                                                                                                                                                                                                                                                                                             |

Related Tags

|                                                                   |                                                       |                                                                       |
|-------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group)<br>EP20K160EFI484-2X | EP20K160EFI484-2X Distributor                         | EP20K160EFI484-2X Supplier                                            |
| EP20K160EFI484-2X Price                                           | EP20K160EFI484-2X Pictures                            | EP20K160EFI484-2X Image                                               |
| EP20K160EFI484-2X PDF Datasheet                                   | EP20K160EFI484-2X Download Datasheet                  | EP20K160EFI484-2X Datasheet                                           |
| EP20K160EFI484-2X Stock                                           | Buy EP20K160EFI484-2X                                 | Buy Altera (Intel® Programmable Solutions Group)<br>EP20K160EFI484-2X |
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Related Products

|                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                         |
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|  <div><b>EP20K160EQC208-2N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 143 I/O 208QFP<br/>In stock: Out stock</div> <div>RFQ</div>  |  <div><b>EP20K160EQC208-2X</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 143 I/O 208QFP<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>EP20K160EFI400-3</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA<br/>In stock: Out stock</div> <div>RFQ</div>                  |  <div><b>EP20K160EFC484-2XB</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA<br/>In stock: Out stock</div> <div>RFQ</div>                |
|  <div><b>EP20K160EQC208-2</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 143 I/O 208QFP<br/>In stock: Out stock</div> <div>RFQ</div>   |  <div><b>EP20K160EFC484-3</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 316 I/O 484FBGA<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>EP20K160EFC484-3N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 316 I/O 484FBGA<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>EP20K160EFC484-3AA</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA<br/>In stock: Out stock</div> <div>RFQ</div>                |
|  <div><b>EP20K160EQC208-3</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 143 I/O 208QFP<br/>In stock: Out stock</div> <div>RFQ</div>   |  <div><b>EP20K160EFC484-2X</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 316 I/O 484FBGA<br/>In stock: Out stock</div> <div>RFQ</div> |
|  <div><b>EP20K160EQC208-1</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 143 I/O 208QFP<br/>In stock: Out stock</div> <div>RFQ</div>   |  <div><b>EP20K160EQC208-1X</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 143 I/O 208QFP<br/>In stock: Out stock</div> <div>RFQ</div>  |