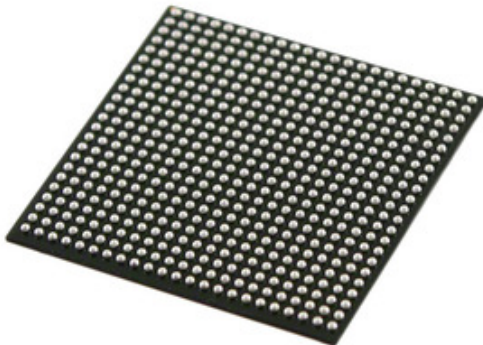




Altera (Intel® Programmable

Solutions Group)



5CEFA2F23C8N

|                     |                                                                                                                                                                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | 5CEFA2F23C8N                                                                                                                                                                                                                                                                      |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                      |
| Product description | IC FPGA 224 I/O 484FBGA <div><a href="#">PDF</a> 1.5CEFA2F23C8N.pdf</div> <div><a href="#">PDF</a> 2.5CEFA2F23C8N.pdf</div> <div><a href="#">PDF</a> 3.5CEFA2F23C8N.pdf</div> <div><a href="#">PDF</a> 4.5CEFA2F23C8N.pdf</div> <div><a href="#">PDF</a> 5.5CEFA2F23C8N.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                   |
| RoHS Status         |  Lead free / RoHS Compliant                                                                                                                                                                      |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                         |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                             |

REQUEST FOR QUOTATION

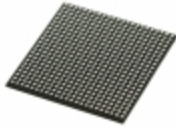
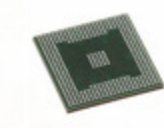
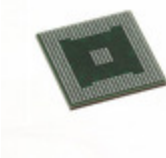
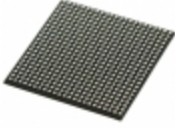
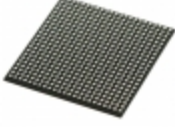
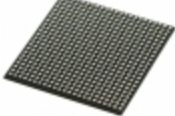
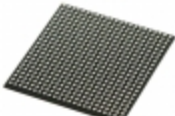
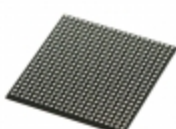
Specifications of 5CEFA2F23C8N

|                                  |                                                                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 5CEFA2F23C8N                                                                                                                                                                                                                                              |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                              |
| DESCRIPTION                      | IC FPGA 224 I/O 484FBGA                                                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                |
| DATA SHEET                       | <div><a href="#">PDF</a> 1.5CEFA2F23C8N.pdf</div> <div><a href="#">PDF</a> 2.5CEFA2F23C8N.pdf</div> <div><a href="#">PDF</a> 3.5CEFA2F23C8N.pdf</div> <div><a href="#">PDF</a> 4.5CEFA2F23C8N.pdf</div> <div><a href="#">PDF</a> 5.5CEFA2F23C8N.pdf</div> |
| VOLTAGE - SUPPLY                 | 1.07 V ~ 1.13 V                                                                                                                                                                                                                                           |
| TOTAL RAM BITS                   | 2002944                                                                                                                                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 484-FBGA (23x23)                                                                                                                                                                                                                                          |
| SERIES                           | Cyclone® V E                                                                                                                                                                                                                                              |
| PACKAGE / CASE                   | 484-BGA                                                                                                                                                                                                                                                   |
| OTHER NAMES                      | 544-3228<br>5CEFA2F23C8N-ND                                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                                                           |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 25000                                                                                                                                                                                                                                                     |
| NUMBER OF LABS/CLBS              | 9434                                                                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 224                                                                                                                                                                                                                                                       |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                             |
| MANUFACTURER STANDARD LEAD TIME  | 8 Weeks                                                                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                |
| BASE PART NUMBER                 | 5CEFA2                                                                                                                                                                                                                                                    |

Related Tags

|                                                           |                                                       |                                                               |
|-----------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group) 5CEFA2F23C8N | 5CEFA2F23C8N Distributor                              | 5CEFA2F23C8N Supplier                                         |
| 5CEFA2F23C8N Price                                        | 5CEFA2F23C8N Pictures                                 | 5CEFA2F23C8N Image                                            |
| 5CEFA2F23C8N PDF Datasheet                                | 5CEFA2F23C8N Download Datasheet                       | 5CEFA2F23C8N Datasheet                                        |
| 5CEFA2F23C8N Stock                                        | Buy 5CEFA2F23C8N                                      | Buy Altera (Intel® Programmable Solutions Group) 5CEFA2F23C8N |
| Altera (Intel® Programmable Solutions Group) 5CEFA2F23C8N | Altera (Intel® Programmable Solutions Group) Supplier | Altera (Intel® Programmable Solutions Group) Distributor      |
| Altera (Intel® Programmable Solutions Group) 5CEFA2F23C8N | Altera 5CEFA2F23C8N                                   | Altera (Intel® Programmable Solutions Group) 5CEFA2F23C8N     |

Related Products

|                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>5CEFA2F23I7</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 224 I/O 484FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>                                  | <div></div> <div><b>5CEFA2M13C8N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 223 I/O 383MBGA<br/>In stock: 107 pcs<br/><div>RFQ</div></div>                                   |
| <div></div> <div><b>5CEFA2M13C6N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 223 I/O 383MBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>                                 | <div></div> <div><b>5CEFA2F23C6N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 224 I/O 484FBGA<br/>In stock: 85 pcs<br/><div>RFQ</div></div>    |
| <div></div> <div><b>5CEBA9F31C8N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 480 I/O 896FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>                                 | <div></div> <div><b>5CEFA2F23I7N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 224 I/O 484FBGA<br/>In stock: 55 pcs<br/><div>RFQ</div></div>                                    |
| <div></div> <div><b>5CEFA2M13C7N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 223 I/O 383MBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>5CEBA9U19C7N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 240 I/O 484UBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>5CEFA2M13I7N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 223 I/O 383MBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>                                 | <div></div> <div><b>5CEBA9U19C8N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 240 I/O 484UBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>                                 |
| <div></div> <div><b>5CEFA2F23C7N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 224 I/O 484FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>5CEBA9F31C7N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 480 I/O 896FBGA<br/>In stock: 22 pcs<br/><div>RFQ</div></div>    |