

Altera (Intel® Programmable)

**Solutions Group**

## 5CEFA2F23C8N

Part Number:	5CEFA2F23C8N
Manufacturer/Brand:	Altera (Intel® Programmable Solutions Group)
Product description:	IC FPGA 224 I/O 484FBGA <a href="#">PDF</a> 1.5CEFA2F23C8N.pdf <a href="#">PDF</a> 2.5CEFA2F23C8N.pdf <a href="#">PDF</a> 3.5CEFA2F23C8N.pdf <a href="#">PDF</a> 4.5CEFA2F23C8N.pdf <a href="#">PDF</a> 5.5CEFA2F23C8N.pdf
Datasheets:	
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	2123 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

**REQUEST FOR QUOTATION**

Image may be representation. See specifications for product details.

### 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
QUANTITY AVAILABLE	2123 pcs
DATA SHEET	<a href="#">PDF</a> 1.5CEFA2F23C8N.pdf <a href="#">PDF</a> 2.5CEFA2F23C8N.pdf <a href="#">PDF</a> 3.5CEFA2F23C8N.pdf <a href="#">PDF</a> 4.5CEFA2F23C8N.pdf <a href="#">PDF</a> 5.5CEFA2F23C8N.pdf
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 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)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
BASE PART NUMBER	5CEFA2

### Related Tags

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### Related Products

<p><b>5CEFA2F23I7</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 224 I/O 484FBGA                  In stock: 1306 pcs  <a href="#">RFQ</a></p>	<p><b>5CEFA2F23I7N</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 224 I/O 484FBGA                  In stock: 1403 pcs  <a href="#">RFQ</a></p>
<p><b>5CEBA9F31C7N</b>                  Manufacturers: Altera (Intel® Programmable Solutions Group)                  Description: IC FPGA 480 I/O 896FBGA                  In stock: 302 pcs  <a href="#">RFQ</a></p>	<p><b>5CEFA2M13C6N</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 223 I/O 383MBGA                  In stock: 1115 pcs  <a href="#">RFQ</a></p>
<p><b>5CEFA2F23C7N</b>                  Manufacturers: Altera (Intel® Programmable Solutions Group)                  Description: IC FPGA 224 I/O 484FBGA                  In stock: 1935 pcs  <a href="#">RFQ</a></p>	<p><b>5CEBA9F31C8N</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 480 I/O 896FBGA                  In stock: 372 pcs  <a href="#">RFQ</a></p>
<p><b>5CEBA9U19C7N</b>                  Manufacturers: Altera (Intel® Programmable Solutions Group)                  Description: IC FPGA 240 I/O 484UBGA                  In stock: 259 pcs  <a href="#">RFQ</a></p>	<p><b>5CEFA2M13C7N</b>                  Manufacturers: Altera (Intel® Programmable Solutions Group)                  Description: IC FPGA 223 I/O 383MBGA                  In stock: 1539 pcs  <a href="#">RFQ</a></p>
<p><b>5CEFA2M13C8N</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 223 I/O 383MBGA                  In stock: 1908 pcs  <a href="#">RFQ</a></p>	<p><b>5CEBA9U19C8N</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 240 I/O 484UBGA                  In stock: 311 pcs  <a href="#">RFQ</a></p>
<p><b>5CEFA2F23C6N</b>                  Manufacturers: Altera (Intel® Programmable Solutions Group)                  Description: IC FPGA 224 I/O 484FBGA                  In stock: 1252 pcs  <a href="#">RFQ</a></p>	<p><b>5CEFA2M13I7N</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 223 I/O 383MBGA                  In stock: 1186 pcs  <a href="#">RFQ</a></p>