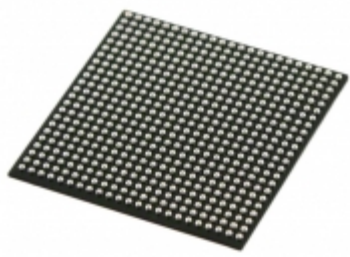


5CEFA2F23C8N



Images are for reference only.
See Product Specifications for product details.
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Part Number: [5CEFA2F23C8N](#)

Manufacturer: [Altera \(Intel® Programmable Solutions Group\)](#)

Description: IC FPGA 224 I/O 484FBGA

Data sheet:  [Cyclone V Device Overview](#)
 [Cyclone V GX,GT,E Errata](#)
 [Cyclone V Device Datasheet](#)
 [Cyclone V Device Handbook](#)
 [Virtual JTAG Megafuntion User Guide](#)

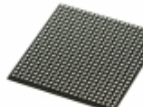
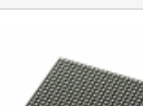
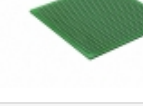
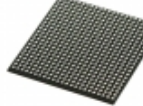
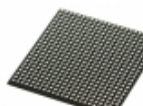
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
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	2486 pcs	Data sheet	Cyclone V Device Overview Cyclone V GX,GT,E Errata Cyclone V Device Datasheet Cyclone V Device Handbook Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	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)	Manufacturer Standard Lead Time	8 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Base Part Number	5CEFA2
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	Part#: 5CEBA9F27C7N Description: IC FPGA 336 I/O 672FBGA	Manufacturers: Intel® FPGAs	RFQ
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