

Image may be representation.
See specifications for product details.



5CEFA4F23I7N

Manufacturer Part Number	5CEFA4F23I7N
Manufacturer	Intel
Allelco Part Number	32D-5CEFA4F23I7N
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC FPGA 224 I/O 484FBGA
Package	484-BGA
Data sheet	Virtual JTAG Megafuntion Guide.pdf Cyclone V Device Handbook.pdf Cyclone V Device Overview.pdf
RoHs Status	RoHS Compliant

Get a Quote

5CEFA4F23I7N - Intel.New Original in Stock. Download Linear Technology 5CEFA4F23I7N datasheet/specifications on AllelcoElec.com.
Request a quote for 5CEFA4F23I7N, please send us email: info@allelco.com

Specifications

5CEFA4F23I7N Tech Specifications
5CEFA4F23I7N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	1.07V ~ 1.13V	Number of Logic Elements/Cells	49000
Total RAM Bits	3464192	Number of LABs/CLBs	18480
Supplier Device Package	484-FBGA (23x23)	Number of I/O	224
Series	Cyclone® V E	Mounting Type	Surface Mount
Package / Case	484-BGA	Base Product Number	5CEFA4
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5CEFA4F23I7N

Product Attribute				
Part Number	5CEFA4F23I7N	5CEFA4M13C8N	5CEFA4F23C8N	5CEFA4U19C6N
Manufacturer	Intel	Intel	Intel	Intel
Base Product Number	5CEFA4	5CEFA4	5CEFA4	5CEFA4
Series	Cyclone® V E	Cyclone® V E	Cyclone® V E	Cyclone® V E
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	Tray
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Package / Case	484-BGA	383-TFBGA	484-BGA	484-FBGA
Number of Logic Elements/Cells	49000	49000	49000	49000
Number of I/O	224	223	224	224
Number of LABs/CLBs	18480	18480	18480	18480
Total RAM Bits	3464192	3464192	3464192	3464192
Supplier Device Package	484-FBGA (23x23)	383-MBGA (13x13)	484-FBGA (23x23)	484-UBGA (19x19)
Voltage - Supply	1.07V ~ 1.13V	1.07V ~ 1.13V	1.07V ~ 1.13V	1.07V ~ 1.13V

5CEFA4F23I7N Datasheet PDF

Download 5CEFA4F23I7N pdf datasheets and Intel documentation for 5CEFA4F23I7N - Intel.

Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Cyclone V Device Handbook.pdf](#)
- [Cyclone V Device Overview.pdf](#)

PCN Packaging

- [Mult Dev Label CHG 24/Jan/2020.pdf](#)
- [Mult Dev Label Chgs 24/Feb/2020.pdf](#)

PCN Design/Specification

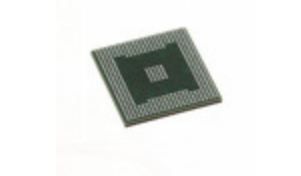
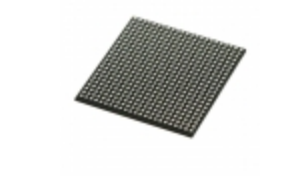
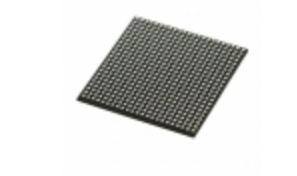
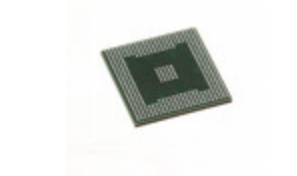
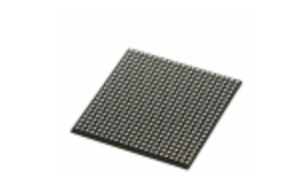
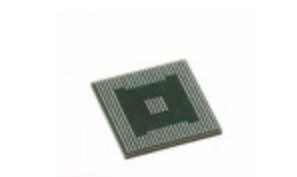
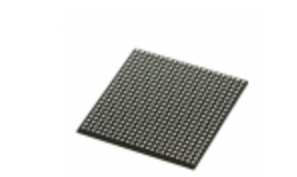
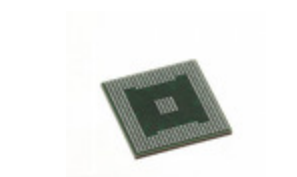
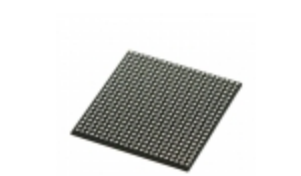
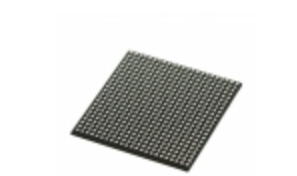
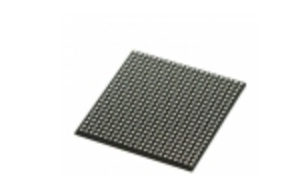
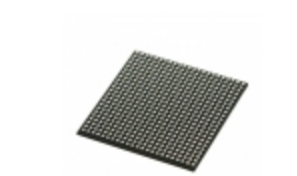
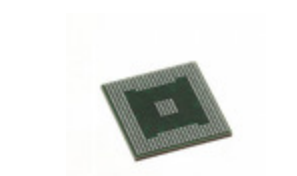
- [Quartus SW/Web Chgs 23/Sep/2021.pdf](#)
- [Mult Dev Software Chgs 3/Jun/2021.pdf](#)

Errata

- [2.73KHz.pdf](#)

Customers Also Interested in

Recommended Products

**5CEFA4M13C8N**Intel
IC FPGA 223 I/O 383MBGA**5CEFA4F23C8N**Intel
IC FPGA 224 I/O 484FBGA**5CEFA4U19C6N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA4U19I7N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA2M13C7N**Intel
IC FPGA 223 I/O 383MBGA**5CEFA4U19C8N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA2U19I7N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA2M13I7N**Intel
IC FPGA 223 I/O 383MBGA**5CEFA4U19C7N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA4U19A7N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA4M13I7N**Intel
IC FPGA 223 I/O 383MBGA**5CEFA2U19C7N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA5F23C8N**Intel
IC FPGA 240 I/O 484FBGA**5CEFA4F23C7N**Intel
IC FPGA 224 I/O 484FBGA**5CEFA5F23C6N**Intel
IC FPGA 240 I/O 484FBGA**5CEFA2U19C8N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA2M13C8N**Intel
IC FPGA 223 I/O 383MBGA**5CEFA4F23C6N**Intel
IC FPGA 224 I/O 484FBGA

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

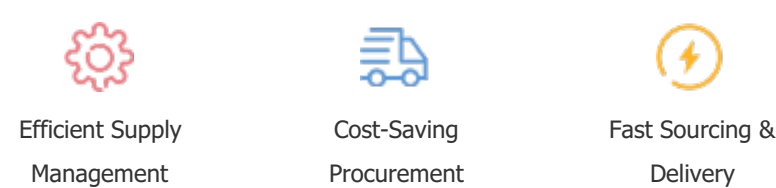
Contact us if you have any questions.

Payment Support

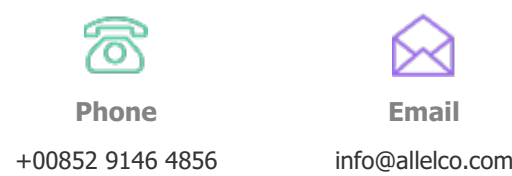
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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