

Image may be representation.
See specifications for product details.



5CEFA7F27C8N

Manufacturer Part Number	5CEFA7F27C8N
Manufacturer	Intel
Allelco Part Number	32D-5CEFA7F27C8N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 336 I/O 672FBGA
Package	672-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

5CEFA7F27C8N - Intel.New Original in Stock. Download Linear Technology 5CEFA7F27C8N datasheet/specifications on AllelcoElec.com.
Request a quote for 5CEFA7F27C8N, please send us email: info@allelco.com

Specifications

5CEFA7F27C8N Tech Specifications
5CEFA7F27C8N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	1.07V ~ 1.13V	Number of Logic Elements/Cells	149500
Total RAM Bits	7880704	Number of LABs/CLBs	56480
Supplier Device Package	672-FBGA (27x27)	Number of I/O	336
Series	Cyclone® V E	Mounting Type	Surface Mount
Package / Case	672-BGA	Base Product Number	5CEFA7
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5CEFA7F27C8N

Product Attribute				
Part Number	5CEFA7F27C8N	5CEFA5M13C8N	5CEFA7F31C6N	5CEFA7U19C7N
Manufacturer	Intel	Intel	Intel	Intel
Voltage - Supply	1.07V ~ 1.13V	1.07V ~ 1.13V	1.07V ~ 1.13V	1.07V ~ 1.13V
Base Product Number	5CEFA7	5CEFA5	5CEFA7	5CEFA7
Number of I/O	336	175	480	240
Number of LABs/CLBs	56480	29080	56480	56480
Package	Tray	Tray	Tray	Tray
Supplier Device Package	672-FBGA (27x27)	383-MBGA (13x13)	896-FBGA (31x31)	484-UBGA (19x19)
Package / Case	672-BGA	383-TFBGA	896-BGA	484-FBGA
Number of Logic Elements/Cells	149500	77000	149500	149500
Total RAM Bits	7880704	5001216	7880704	7880704
Series	Cyclone® V E	Cyclone® V E	Cyclone® V E	Cyclone® V E
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

5CEFA7F27C8N Datasheet PDF

Download 5CEFA7F27C8N pdf datasheets and Intel documentation for 5CEFA7F27C8N - 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

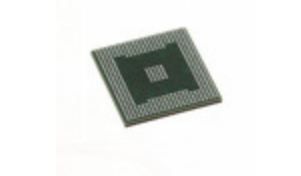
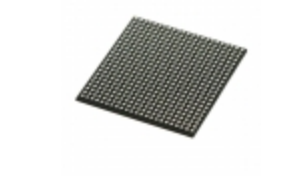
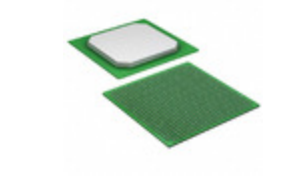
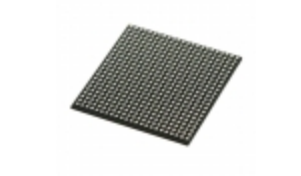
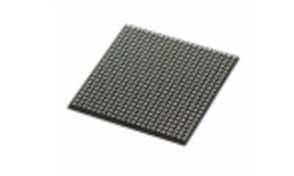
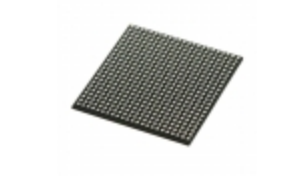
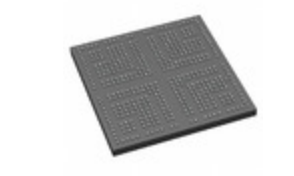
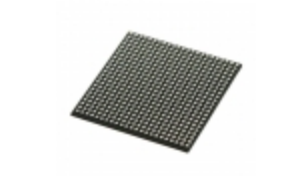
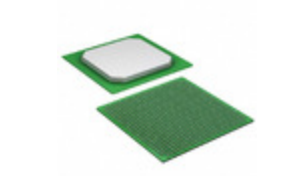
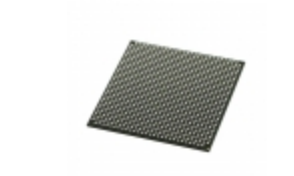
- [Quartus SW/Web Chgs 23/Sep/2021.pdf](#)
- [Mult Dev Software Chgs 3/Jun/2021.pdf](#)

Errata

- [Cyclone V GX,GT,E Errata.pdf](#)

Customers Also Interested in

Recommended Products

**5CEFA5M13C8N**Intel
IC FPGA 175 I/O 383MBGA**5CEFA7F31C6N**Intel
IC FPGA 480 I/O 896FBGA**5CEFA7U19C7N**Intel
IC FPGA 240 I/O 484UBGA**5CEFA5F23C8N**Intel
IC FPGA 240 I/O 484FBGA**5CEFA7F27C6N**Intel
IC FPGA 336 I/O 672FBGA**5CEFA5F23C6N**Intel
IC FPGA 240 I/O 484FBGA**5CEFA5U19A7N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA7F23C8N**Intel
IC FPGA 240 I/O 484FBGA**5CEFA5U19I7N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA5F23I7N**Intel
IC FPGA 240 I/O 484FBGA**5CEFA7M15I7N**Intel
IC FPGA 240 I/O 484MBGA**5CEFA7U19C8N**Intel
IC FPGA 240 I/O 484UBGA**5CEFA9F23C8N**Intel
IC FPGA 224 I/O 484FBGA**5CEFA7U19I7N**Intel
IC FPGA 240 I/O 484UBGA**5CEFA7F27I7N**Intel
IC FPGA 336 I/O 672FBGA**5CEFA5U19C8N**Intel
IC FPGA 224 I/O 484UBGA**5CEFA7F23I7N**Intel
IC FPGA 240 I/O 484FBGA**5CEFA7F31C7N**Intel
IC FPGA 480 I/O 896FBGA

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.

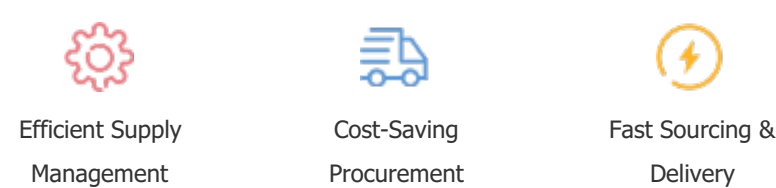
Contact us if you have any questions.

Payment Support

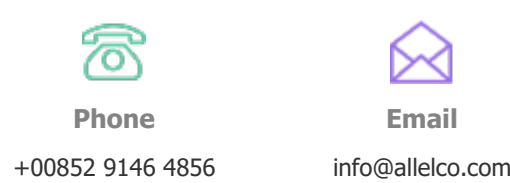
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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