

Image may be representation.  
See specifications for product details.



## 5CEFA7F27I7N

Manufacturer Part Number	<b>5CEFA7F27I7N</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-5CEFA7F27I7N
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC FPGA 336 I/O 672FBGA
Package	672-BGA
Data sheet	<a href="#">Virtual JTAG Megafuntion Guide.pdf</a> <a href="#">Cyclone V Device Handbook.pdf</a> <a href="#">Cyclone V Device Overview.pdf</a>
RoHs Status	RoHS Compliant

**Get a Quote**

5CEFA7F27I7N - Intel.New Original in Stock. Download Linear Technology 5CEFA7F27I7N datasheet/specifications on AllelcoElec.com.  
Request a quote for 5CEFA7F27I7N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

5CEFA7F27I7N Tech Specifications  
5CEFA7F27I7N - 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	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 5CEFA7F27I7N

Product Attribute				
Part Number	5CEFA7F27I7N	5CEFASF23I7N	5CEFA7F27C6N	5CEFA7F23C8N
Manufacturer	Intel	Intel	Intel	Intel
Total RAM Bits	7880704	5001216	7880704	7880704
Number of Logic Elements/Cells	149500	77000	149500	149500
Voltage - Supply	1.07V ~ 1.13V	1.07V ~ 1.13V	1.07V ~ 1.13V	1.07V ~ 1.13V
Package	Tray	Tray	Tray	Tray
Supplier Device Package	672-FBGA (27x27)	484-FBGA (23x23)	672-FBGA (27x27)	484-FBGA (23x23)
Package / Case	672-BGA	484-BGA	672-BGA	484-BGA
Number of I/O	336	240	336	240
Operating Temperature	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Base Product Number	5CEFA7	5CEFAS	5CEFA7	5CEFA7
Series	Cyclone® V E	Cyclone® V E	Cyclone® V E	Cyclone® V E
Number of LABs/CLBs	56480	29080	56480	56480
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### 5CEFA7F27I7N Datasheet PDF

Download 5CEFA7F27I7N pdf datasheets and Intel documentation for 5CEFA7F27I7N - 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

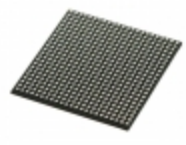
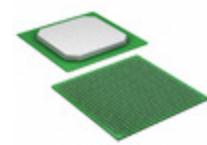
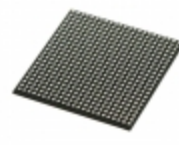
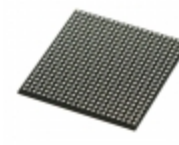
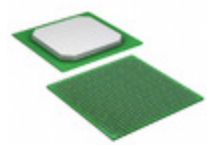
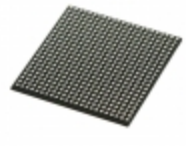
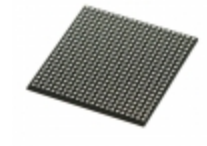
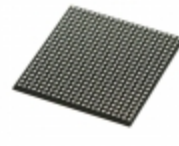
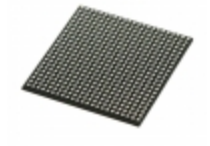
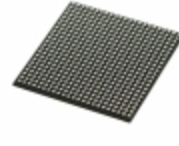
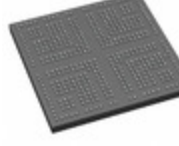
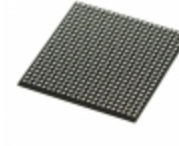
Mult Dev Software Chgs 3/Jun/2021.pdf

#### Errata

Cyclone V GX,GT,E Errata.pdf

### Customers Also Interested in

#### Recommended Products

**5CEFA5F23I7N**Intel  
IC FPGA 240 I/O 484FBGA**5CEFA7F27C6N**Intel  
IC FPGA 336 I/O 672FBGA**5CEFA7F23C8N**Intel  
IC FPGA 240 I/O 484FBGA**5CEFA7U19C7N**Intel  
IC FPGA 240 I/O 484UBGA**5CEFA7U19I7N**Intel  
IC FPGA 240 I/O 484UBGA**5CEFA7F27C8N**Intel  
IC FPGA 336 I/O 672FBGA**5CEFA5F23C8N**Intel  
IC FPGA 240 I/O 484FBGA**5CEFA7U19C8N**Intel  
IC FPGA 240 I/O 484UBGA**5CEFA5U19A7N**Intel  
IC FPGA 224 I/O 484UBGA**5CEFA7F31C6N**Intel  
IC FPGA 480 I/O 896FBGA**5CEFA9F23I7N**Intel  
IC FPGA 224 I/O 484FBGA**5CEFA7F23I7N**Intel  
IC FPGA 240 I/O 484FBGA**5CEFA5M13C8N**Intel  
IC FPGA 175 I/O 383MBGA**5CEFA7F31C7N**Intel  
IC FPGA 480 I/O 896FBGA**5CEFA5U19C8N**Intel  
IC FPGA 224 I/O 484UBGA**5CEFA7M15I7N**Intel  
IC FPGA 240 I/O 484MBGA**5CEFA9F23C8N**Intel  
IC FPGA 224 I/O 484FBGA**5CEFA5U19I7N**Intel  
IC FPGA 224 I/O 484UBGA

## 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

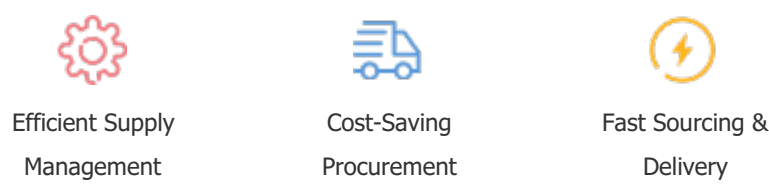
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

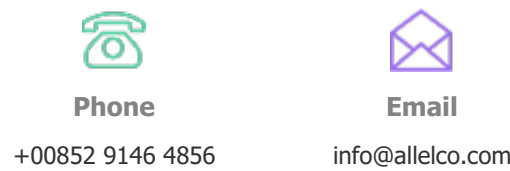
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



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