

Image may be representation.
See specifications for product details.



5CGTFD7D5F31I7N

Manufacturer Part Number	5CGTFD7D5F31I7N
Manufacturer	Intel
Allelco Part Number	32D-5CGTFD7D5F31I7N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 480 I/O 896FBGA
Package	896-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

5CGTFD7D5F31I7N - Intel.New Original in Stock. Download Linear Technology 5CGTFD7D5F31I7N datasheet/specifications on AllelcoElec.com.
Request a quote for 5CGTFD7D5F31I7N, please send us email: info@allelco.com

Specifications

5CGTFD7D5F31I7N Tech Specifications
5CGTFD7D5F31I7N - 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	896-FBGA (31x31)	Number of I/O	480
Series	Cyclone® V GT	Mounting Type	Surface Mount
Package / Case	896-BGA	Base Product Number	5CGTFD7
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5CGTFD7D5F31I7N

Product Attribute				
Part Number	5CGTFD7D5F31I7N	5CGXBC9E6F31C7N	5CGTFD9E5F31I7N	5CGTFD5C5F27I7N
Manufacturer	Intel	Intel	Intel	Intel
Voltage - Supply	1.07V ~ 1.13V	1.07V ~ 1.13V	1.07V ~ 1.13V	1.07V ~ 1.13V
Total RAM Bits	7880704	14251008	14251008	5001216
Package	Tray	Tray	Tray	Tray
Package / Case	896-BGA	896-BGA	896-BGA	672-BGA
Number of LABs/CLBs	56480	113560	113560	29080
Base Product Number	5CGTFD7	5CGXBC9	5CGTFD9	5CGTFD5
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Logic Elements/Cells	149500	301000	301000	77000
Supplier Device Package	896-FBGA (31x31)	896-FBGA (31x31)	896-FBGA (31x31)	672-FBGA (27x27)
Number of I/O	480	480	480	336
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Series	Cyclone® V GT	Cyclone® V GX	Cyclone® V GT	Cyclone® V GT

5CGTFD7D5F31I7N Datasheet PDF

Download 5CGTFD7D5F31I7N pdf datasheets and Intel documentation for 5CGTFD7D5F31I7N - 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

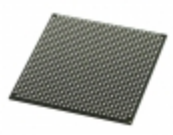
Mult Dev Software Chgs 3/Jun/2021.pdf

Errata

2.73KHz.pdf

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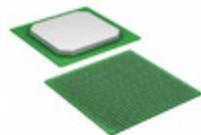
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Intel
IC FPGA 480 I/O 896FBGA



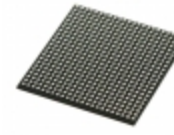
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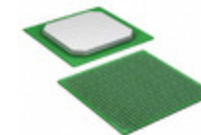
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Intel
IC FPGA 336 I/O 672FBGA



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Intel
IC FPGA 240 I/O 484FBGA



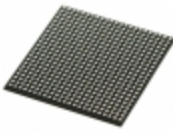
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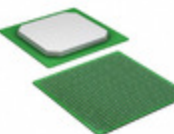
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IC FPGA 208 I/O 484FBGA



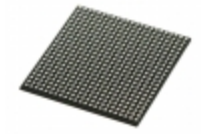
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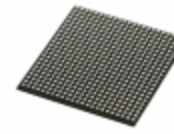
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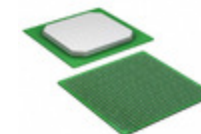
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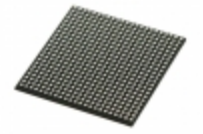
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IC FPGA 208 I/O 484FBGA



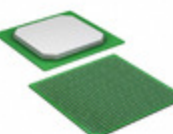
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IC FPGA 336 I/O 672FBGA



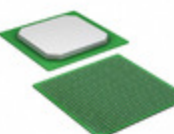
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Intel
IC FPGA 208 I/O 484UBGA



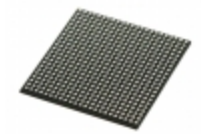
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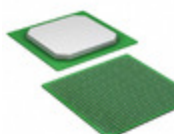
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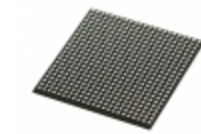
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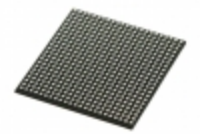
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Intel
IC FPGA 336 I/O 672FBGA



5CGXFC3B6F23C7N

Intel
IC FPGA 208 I/O 484FBGA



5CGXFC4C6U19I7N

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

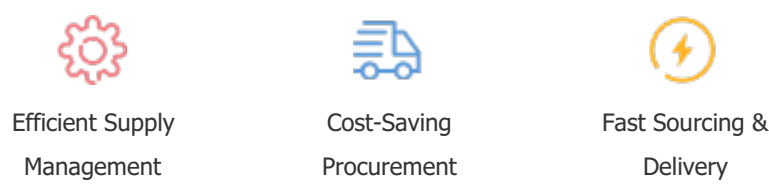
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

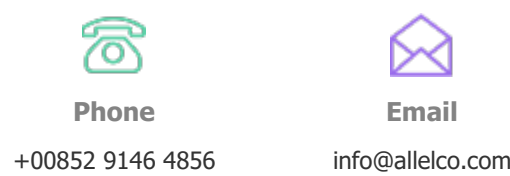
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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