



Image may be representation.  
See specifications for product details.



## 5AGXMA1D4F31I3N

Manufacturer Part Number **5AGXMA1D4F31I3N**

Manufacturer **Intel**

Allelco Part Number **32D-5AGXMA1D4F31I3N**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 416 I/O 896FBGA**

Package **896-BBGA, FCBGA**

Data sheet [Virtual JTAG Megafuntion Guide.pdf](#)

[Arria V Datasheet.pdf](#)

[Arria V Device Handbook.pdf](#)

RoHs Status **RoHS Compliant**

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5AGXMA1D4F31I3N - Intel.New Original in Stock. Download Linear Technology 5AGXMA1D4F31I3N datasheet/specifications on AllelcoElec.com.  
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### Specifications

5AGXMA1D4F31I3N Tech Specifications

5AGXMA1D4F31I3N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	1.12V ~ 1.18V	Number of Logic Elements/Cells	75000
Total RAM Bits	8666112	Number of LABs/CLBs	3537
Supplier Device Package	896-FBGA (31x31)	Number of I/O	416
Series	Arria V GX	Mounting Type	Surface Mount
Package / Case	896-BBGA, FCBGA	Base Product Number	5AGXMA1
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5AGXMA1D4F31I3N

Product Attribute				
Part Number	5AGXMA1D4F31I3N	5AGXFB7K4F40I3N	5AGXMA3D4F27I5N	5AGXFB7K4F40I5N
Manufacturer	Intel	Intel	Intel	Intel
Total RAM Bits	8666112	27695104	11746304	27695104
Package	Tray	Tray	Tray	Tray
Number of I/O	416	704	336	704
Number of Logic Elements/Cells	75000	504000	156000	504000
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	896-BBGA, FCBGA	1517-BBGA	672-BBGA, FCBGA	1517-BBGA
Base Product Number	5AGXMA1	5AGXFB7	5AGXMA3	5AGXFB7
Supplier Device Package	896-FBGA (31x31)	1517-FBGA (40x40)	672-FBGA (27x27)	1517-FBGA (40x40)
Series	Arria V GX	Arria V GX	Arria V GX	Arria V GX
Operating Temperature	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Number of LABs/CLBs	3537	23780	7362	23780
Voltage - Supply	1.12V ~ 1.18V	1.12V ~ 1.18V	1.07V ~ 1.13V	1.07V ~ 1.13V

### 5AGXMA1D4F31I3N Datasheet PDF

Download 5AGXMA1D4F31I3N pdf datasheets and Intel documentation for 5AGXMA1D4F31I3N - Intel.

#### Datasheets

[Virtual JTAG Megafuntion Guide.pdf](#)

[Arria V Datasheet.pdf](#)

[Arria V Device Handbook.pdf](#)

#### PCN Packaging

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

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

#### PCN Obsolescence/ EOL

[Mult Dev Add Subs 6/Sep/2019.pdf](#)

[Mult Dev EOL 28/Feb/2019.pdf](#)

[Mult Dev EOL REV 2/Aug/2019.pdf](#)

#### PCN Other

[Readiness Plan Update 3/Apr/2020.pdf](#)

#### PCN Design/Specification

[Arria V 25/Jan/2019.pdf](#)

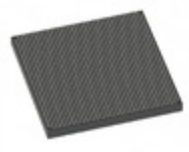
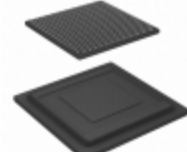
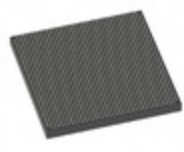
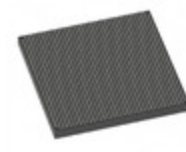
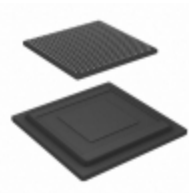
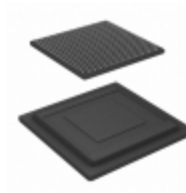
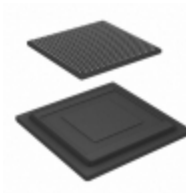
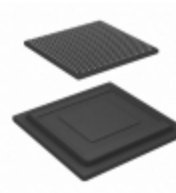
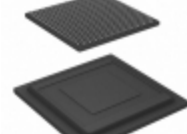
[Laser Marking 05/Oct/2018.pdf](#)

#### Errata



## Customers Also Interested in

### Recommended Products

**5AGXFB7K4F40I3N**Intel  
IC FPGA 704 I/O 1517FBGA**5AGXMA3D4F27I5N**Intel  
IC FPGA 336 I/O 672FBGA**5AGXFB7K4F40I5N**Intel  
IC FPGA 704 I/O 1517FBGA**5AGXFB7K4F40I3NAB**Intel  
IC FPGA 704 I/O 1517FBGA**5AGXMA1D4F31I3G**Intel  
IC FPGA 416 I/O 896FBGA**5AGXMA1D4F31C4N**Intel  
IC FPGA 416 I/O 896FBGA**5AGXMA3D4F27I3N**Intel  
IC FPGA 336 I/O 672FBGA**5AGXMA1D4F31C4G**Intel  
IC FPGA 416 I/O 896FBGA**5AGXMA3D4F31C5N**Intel  
IC FPGA 416 I/O 896FBGA**5AGXMA1D4F27C5N**Intel  
IC FPGA 336 I/O 672FBGA**5AGXMA3D4F27C4G**Intel  
IC FPGA 336 I/O 672FBGA**5AGXMA3D4F27C5N**Intel  
IC FPGA 336 I/O 672FBGA**5AGXMA3D4F31C5G**Intel  
IC FPGA 416 I/O 896FBGA**5AGXMA3D4F27C4N**Intel  
IC FPGA 336 I/O 672FBGA**5AGXMA1D4F31C5N**Intel  
IC FPGA 416 I/O 896FBGA**5AGXMA3D4F27C5G**Intel  
IC FPGA 336 I/O 672FBGA**5AGXMA3D4F31I3N**Intel  
IC FPGA 416 I/O 896FBGA**5AGXMA3D4F31C4G**Intel  
IC FPGA 416 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 Alleco 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.



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Contact us if you have any questions.



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### Certifications & Memberships



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