

Image may be representation.  
See specifications for product details.



## 5SGXMA5N2F40C2N

Manufacturer Part Number **5SGXMA5N2F40C2N**

Manufacturer **Intel**

Allelco Part Number **32D-5SGXMA5N2F40C2N**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 600 I/O 1517FBGA**

Package **1517-BBGA, FCBGA**

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

[Stratix V Device Datasheet.pdf](#)

[Stratix V Device Overview.pdf](#)

RoHs Status **RoHS Compliant**

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5SGXMA5N2F40C2N - Intel.New Original in Stock. Download Linear Technology 5SGXMA5N2F40C2N datasheet/specifications on AllelcoElec.com.  
Request a quote for 5SGXMA5N2F40C2N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

5SGXMA5N2F40C2N Tech Specifications  
5SGXMA5N2F40C2N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	0.87V ~ 0.93V	Number of Logic Elements/Cells	490000
Total RAM Bits	46080000	Number of LABs/CLBs	185000
Supplier Device Package	1517-FBGA (40x40)	Number of I/O	600
Series	Stratix® V GX	Mounting Type	Surface Mount
Package / Case	1517-BBGA, FCBGA	Base Product Number	5SGXMA5
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5SGXMA5N2F40C2N

Product Attribute				
Part Number	5SGXMA5N2F40C2N	5SGXMA4K2F40I3LN	5SGXMA5N2F40I3N	5SGXMA7H3F35I3N
Manufacturer	Intel	Intel	Intel	Intel
Number of I/O	600	600	600	552
Package	Tray	Tray	Tray	Tray
Package / Case	1517-BBGA, FCBGA	1517-BBGA, FCBGA	1517-BBGA, FCBGA	1152-BBGA, FCBGA
Base Product Number	5SGXMA5	5SGXMA4	5SGXMA5	5SGXMA7
Total RAM Bits	46080000	37888000	46080000	51200000
Supplier Device Package	1517-FBGA (40x40)	1517-FBGA (40x40)	1517-FBGA (40x40)	1152-FBGA (35x35)
Number of LABs/CLBs	185000	158500	185000	234720
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Number of Logic Elements/Cells	490000	420000	490000	622000
Series	Stratix® V GX	Stratix® V GX	Stratix® V GX	Stratix® V GX
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply	0.87V ~ 0.93V	0.82V ~ 0.88V	0.82V ~ 0.88V	0.82V ~ 0.88V

### 5SGXMA5N2F40C2N Datasheet PDF

Download 5SGXMA5N2F40C2N pdf datasheets and Intel documentation for 5SGXMA5N2F40C2N - Intel.

#### Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Stratix V Device Datasheet.pdf](#)
- [Stratix V Device Overview.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 30/Mar/2020.pdf](#)
- [Mult Dev EOL Rev 30/Mar/2020.pdf](#)

#### PCN Assembly/Origin

- [Mult Devices Assembly Site 19/Apr/2019.pdf](#)

#### PCN Other

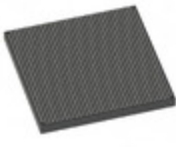
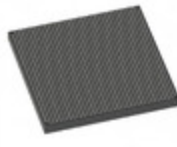
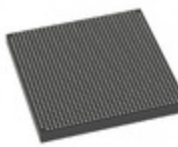
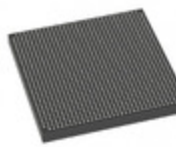
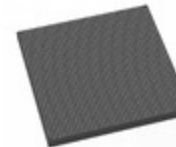
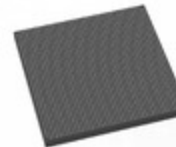
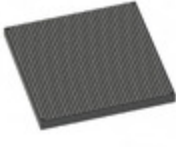
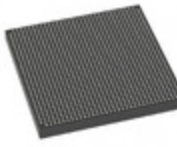
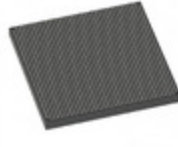
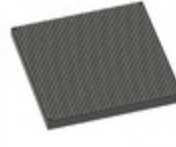
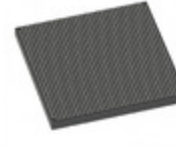
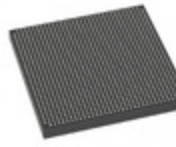
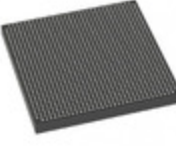
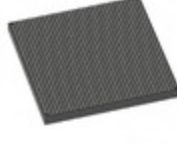
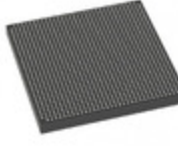
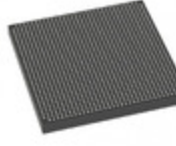
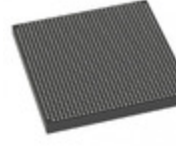
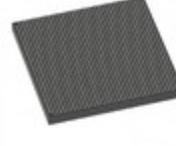
- [Readiness Plan Update 3/Apr/2020.pdf](#)

#### PCN Design/Specification

## Errata

## Customers Also Interested in

### Recommended Products

					
<b>5SGXMA4K2F40I3LN</b> Intel IC FPGA 600 I/O 1517FBGA	<b>5SGXMA5N2F40I3N</b> Intel IC FPGA 600 I/O 1517FBGA	<b>5SGXMA7H3F35I3N</b> Intel IC FPGA 552 I/O 1152FBGA	<b>5SGXMA7H3F35C2N</b> Intel IC FPGA 552 I/O 1152FBGA	<b>5SGXMA5N2F45C1N</b> Intel IC FPGA 840 I/O 1932FBGA	<b>5SGXMA5N2F45C2N</b> Intel IC FPGA 840 I/O 1932FBGA
					
<b>5SGXMA7K2F40I3N</b> Intel IC FPGA 696 I/O 1517FBGA	<b>5SGXMA7K2F35I3NAA</b> Intel IC FPGA 432 I/O 1152FBGA	<b>5SGXMA5K2F40I3NAA</b> Intel IC FPGA 696 I/O 1517FBGA	<b>5SGXMA7K2F40C2N</b> Intel IC FPGA 696 I/O 1517FBGA	<b>5SGXMA5K2F40I3N</b> Intel IC FPGA 696 I/O 1517FBGA	<b>5SGXMA4H3F35I4N</b> Intel IC FPGA 600 I/O 1152FBGA
					
<b>5SGXMA5K2F35C2N</b> Intel IC FPGA 432 I/O 1152FBGA	<b>5SGXMA5K2F40C2N</b> Intel IC FPGA 696 I/O 1517FBGA	<b>5SGXMA5H2F35I3N</b> Intel IC FPGA 552 I/O 1152FBGA	<b>5SGXMA4H3F35I3N</b> Intel IC FPGA 600 I/O 1152FBGA	<b>5SGXMA5H2F35C2N</b> Intel IC FPGA 552 I/O 1152FBGA	<b>5SGXMA7K2F40I3LN</b> Intel IC FPGA 696 I/O 1517FBGA

## 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 -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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### Certifications & Memberships



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