

Image may be representation.  
See specifications for product details.



## 5SGXMA3K2F40I3N

Manufacturer Part Number **5SGXMA3K2F40I3N**

Manufacturer **Intel**

Allelco Part Number **32D-5SGXMA3K2F40I3N**

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**

**Get a Quote**

5SGXMA3K2F40I3N - Intel.New Original in Stock. Download Linear Technology 5SGXMA3K2F40I3N datasheet/specifications on AllelcoElec.com.  
Request a quote for 5SGXMA3K2F40I3N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

5SGXMA3K2F40I3N Tech Specifications

5SGXMA3K2F40I3N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	0.82V ~ 0.88V	Number of Logic Elements/Cells	340000
Total RAM Bits	19456000	Number of LABs/CLBs	128300
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	5SGXMA3
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5SGXMA3K2F40I3N

Product Attribute				
Part Number	5SGXMA3K2F40I3N	5SGXMA3K2F40C3N	5SGXMA3H2F35I3N	5SGXMA4K2F35I2N
Manufacturer	Intel	Altera (Intel® Programmable Solutions Group)	Intel	Intel
Number of LABs/CLBs	128300	128300	128300	158500
Total RAM Bits	19456000	23704576	19456000	37888000
Voltage - Supply	0.82V ~ 0.88V	0.82 V ~ 0.88 V	0.82V ~ 0.88V	0.87V ~ 0.93V
Series	Stratix® V GX	Stratix® V GX	Stratix® V GX	Stratix® V GX
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	5SGXMA3	-	5SGXMA3	5SGXMA4
Number of Logic Elements/Cells	340000	340000	340000	420000
Supplier Device Package	1517-FBGA (40x40)	1517-FBGA (40x40)	1152-FBGA (35x35)	1152-FBGA (35x35)
Package	Tray	-	Tray	Tray
Number of I/O	600	696	600	600
Package / Case	1517-BBGA, FCBGA	1517-BBGA, FCBGA	1152-BBGA, FCBGA	1152-BBGA, FCBGA
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)

### 5SGXMA3K2F40I3N Datasheet PDF

Download 5SGXMA3K2F40I3N pdf datasheets and Intel documentation for 5SGXMA3K2F40I3N - 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

- [2.73KHz.pdf](#)

#### PCN Other

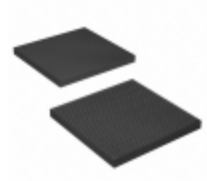
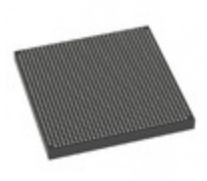
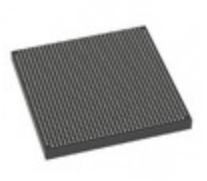
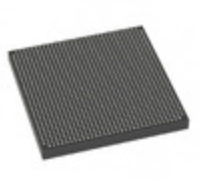
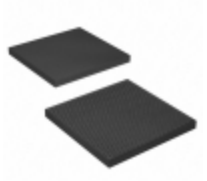
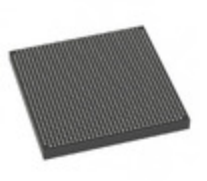
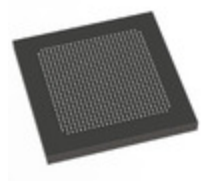
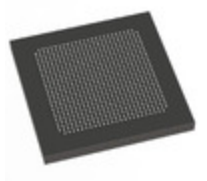
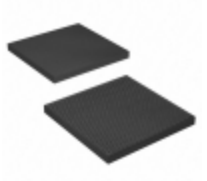
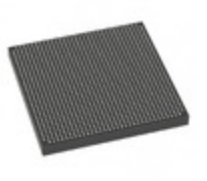


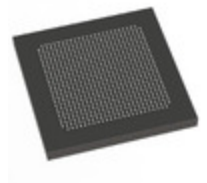
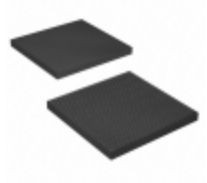

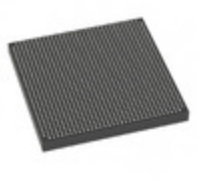

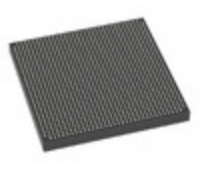
- [Readiness Plan Update 3/Apr/2020.pdf](#)

#### PCN Design/Specification

## Errata

## Customers Also Interested in

### Recommended Products

					
<b>5SGXMA3K2F40C3N</b> Altera (Intel® Programmable Solutions Group) IC FPGA 696 I/O 1517FBGA	<b>5SGXMA3H2F35I3N</b> Intel IC FPGA 600 I/O 1152FBGA	<b>5SGXMA4K2F35I2N</b> Intel IC FPGA 600 I/O 1152FBGA	<b>5SGXMA4H3F35I4N</b> Intel IC FPGA 600 I/O 1152FBGA	<b>5SGXMA3K2F40C1N</b> Altera (Intel® Programmable Solutions Group) IC FPGA 696 I/O 1517FBGA	<b>5SGXMA4H2F35I3N</b> Intel IC FPGA 600 I/O 1152FBGA
					
<b>5SGXMA3E1H29I2N</b> Intel IC FPGA 600 I/O 780HBGA	<b>5SGXMA3E2H29C3N</b> Intel IC FPGA 600 I/O 780HBGA	<b>5SGXMA3K2F40I2N</b> Altera (Intel® Programmable Solutions Group) IC FPGA 696 I/O 1517FBGA	<b>5SGXMA3H2F35C3N</b> Intel IC FPGA 600 I/O 1152FBGA	<b>5SGXMA4H2F35I3LN</b> Intel IC FPGA 600 I/O 1152FBGA	<b>5SGXMA4K2F40I3LN</b> Intel IC FPGA 600 I/O 1152FBGA
					
<b>5SGXMA3E3H29I4N</b> Intel IC FPGA 600 I/O 780HBGA	<b>5SGXMA3K2F40C2N</b> Altera (Intel® Programmable Solutions Group) IC FPGA 696 I/O 1517FBGA	<b>5SGXMA5H2F35C2N</b> Intel IC FPGA 552 I/O 1152FBGA	<b>5SGXMA4H3F35I3N</b> Intel IC FPGA 600 I/O 1152FBGA	<b>5SGXMA4H3F35C4N</b> Intel IC FPGA 600 I/O 1152FBGA	<b>5SGXMA4H2F35I3LNAB</b> Intel IC FPGA 600 I/O 1152FBGA

## 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

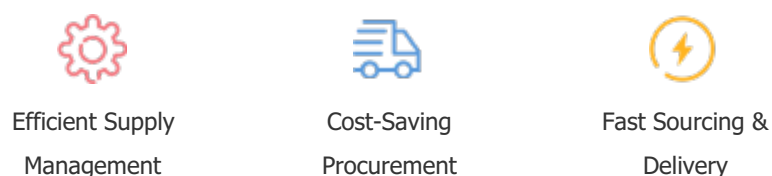
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

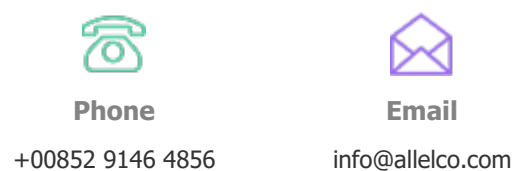
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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