

Image may be representation.  
See specifications for product details.



## 5SGXEA7N2F45I2N

Manufacturer Part Number	<b>5SGXEA7N2F45I2N</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-5SGXEA7N2F45I2N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 840 I/O 1932FBGA
Package	1932-BBGA, FCBGA
Data sheet	<a href="#">Virtual JTAG Megafuntion Guide.pdf</a> <a href="#">Stratix V Device Datasheet.pdf</a> <a href="#">Stratix V Device Overview.pdf</a>
RoHs Status	RoHS Compliant

**Get a Quote**

5SGXEA7N2F45I2N - Intel.New Original in Stock. Download Linear Technology 5SGXEA7N2F45I2N datasheet/specifications on AllelcoElec.com.  
Request a quote for 5SGXEA7N2F45I2N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

5SGXEA7N2F45I2N Tech Specifications  
5SGXEA7N2F45I2N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	0.87V ~ 0.93V	Number of Logic Elements/Cells	622000
Total RAM Bits	51200000	Number of LABs/CLBs	234720
Supplier Device Package	1932-FBGA, FC (45x45)	Number of I/O	840
Series	Stratix® V GX	Mounting Type	Surface Mount
Package / Case	1932-BBGA, FCBGA	Base Product Number	5SGXEA7
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5SGXEA7N2F45I2N

Product Attribute				
Part Number	5SGXEA7N2F45I2N	5SGXEABK2H40I3LN	5SGXEA7K3F35I3NYY	5SGXEABN2F45C2LN
Manufacturer	Intel	Intel	Intel	Intel
Package / Case	1932-BBGA, FCBGA	1517-BBGA, FCBGA	1152-BBGA, FCBGA	1932-BBGA, FCBGA
Number of I/O	840	696	432	840
Package	Tray	Tray	Tray	Tray
Series	Stratix® V GX	Stratix® V GX	Stratix® V GX	Stratix® V GX
Number of LABs/CLBs	234720	359200	234720	359200
Number of Logic Elements/Cells	622000	952000	622000	952000
Voltage - Supply	0.87V ~ 0.93V	0.82V ~ 0.88V	0.82V ~ 0.88V	0.82V ~ 0.88V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	5SGXEA7	5SGXEAB	5SGXEA7	5SGXEAB
Total RAM Bits	51200000	53248000	51200000	53248000
Operating Temperature	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)
Supplier Device Package	1932-FBGA, FC (45x45)	1517-HBGA (45x45)	1152-FBGA (35x35)	1932-FBGA, FC (45x45)

### 5SGXEA7N2F45I2N Datasheet PDF

Download 5SGXEA7N2F45I2N pdf datasheets and Intel documentation for 5SGXEA7N2F45I2N - Intel.

#### Datasheets

<a href="#">Virtual JTAG Megafuntion Guide.pdf</a>	<a href="#">Stratix V Device Datasheet.pdf</a>	<a href="#">Stratix V Device Overview.pdf</a>
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#### PCN Packaging

<a href="#">Mult Dev Label CHG 24/Jan/2020.pdf</a>	<a href="#">Mult Dev Label Chgs 24/Feb/2020.pdf</a>
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#### PCN Obsolescence/ EOL

<a href="#">Mult Dev Add Subs 6/Sep/2019.pdf</a>	<a href="#">Mult Dev EOL 30/Mar/2020.pdf</a>	<a href="#">Mult Dev EOL Rev 30/Mar/2020.pdf</a>
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#### PCN Assembly/Origin

<a href="#">Mult Devices Assembly Site 19/Apr/2019.pdf</a>
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#### PCN Other

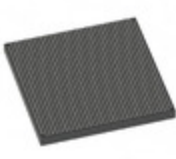
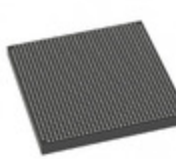
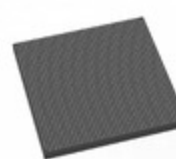
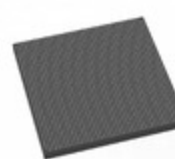
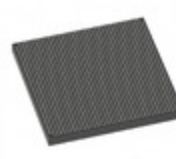
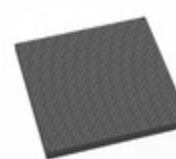

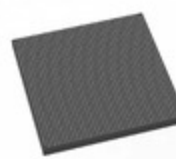
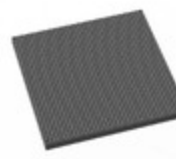
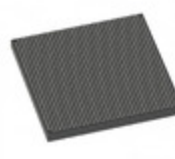
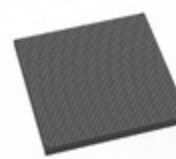
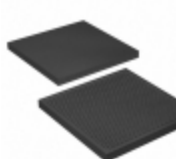
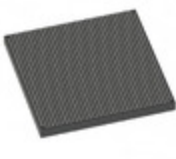
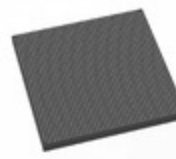

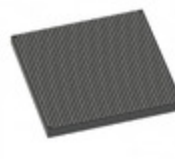
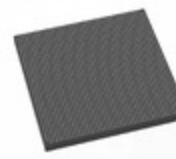
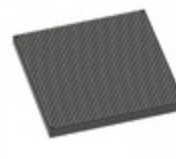
<a href="#">Readiness Plan Update 3/Apr/2020.pdf</a>
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#### PCN Design/Specification

Errata

Customers Also Interested in

Recommended Products

 <b>5SGXEABK2H40I3LN</b> Intel IC FPGA 696 I/O 1517HBGA	 <b>5SGXE7K3F35I3NYY</b> Intel IC FPGA 432 I/O 1152FBGA	 <b>5SGXEABN2F45C2LN</b> Intel IC FPGA 840 I/O 1932FBGA	 <b>5SGXEABN2F45C2N</b> Intel IC FPGA 840 I/O 1932FBGA	 <b>5SGXE7K2F40C3N</b> Intel IC FPGA 696 I/O 1517FBGA	 <b>5SGXEABN2F45C2G</b> Intel IC FPGA 840 I/O 1932FBGA
 <b>5SGXE7N2F45C2NES</b> Altera (Intel)	 <b>5SGXE7N2F45C1N</b> Intel IC FPGA 840 I/O 1932FBGA	 <b>5SGXEB5R2F43I3N</b> Intel IC FPGA 600 I/O 1760FBGA	 <b>5SGXE7K2F40I2N</b> Intel IC FPGA 696 I/O 1517FBGA	 <b>5SGXE7N2F45C2N</b> Intel IC FPGA 840 I/O 1932FBGA	 <b>5SGXE9K3H40C2N</b> Altera (Intel® Programmable Solutions Group) IC FPGA 696 I/O 1517HBGA
 <b>5SGXEABK2H40I3N</b> Intel IC FPGA 696 I/O 1517HBGA	 <b>5SGXE7N2F45I3N</b> Intel IC FPGA 840 I/O 1932FBGA	 <b>5SGXE7K2F40C2NES</b> Altera (Intel)	 <b>5SGXE7K2F40I3N</b> Intel IC FPGA 696 I/O 1517FBGA	 <b>5SGXE7N2F45C3N</b> Intel IC FPGA 840 I/O 1932FBGA	 <b>5SGXE7K2F40C2N</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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Contact us

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