

Image may be representation.  
See specifications for product details.



## 5SGXEABN2F45C2LN

Manufacturer Part Number [5SGXEABN2F45C2LN](#)

Manufacturer [Intel](#)

Allelco Part Number 32D-5SGXEABN2F45C2LN

ECAD Model [Request Free CAD Models](#)

Parts Description [IC FPGA 840 I/O 1932FBGA](#)

Package [1932-BBGA, FCBGA](#)

Data sheet [Stratix V Device Datasheet.pdf](#)

[Stratix V Device Overview.pdf](#)

[Stratix V Device Handbook.pdf](#)

RoHs Status [RoHS Compliant](#)

[Get a Quote](#)

5SGXEABN2F45C2LN - Intel.New Original in Stock. Download Linear Technology 5SGXEABN2F45C2LN datasheet/specifications on AllelcoElec.com.  
Request a quote for 5SGXEABN2F45C2LN, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

5SGXEABN2F45C2LN Tech Specifications  
5SGXEABN2F45C2LN - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	0.82V ~ 0.88V	Number of Logic Elements/Cells	952000
Total RAM Bits	53248000	Number of LABs/CLBs	359200
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	5SGXEAB
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5SGXEABN2F45C2LN

Product Attribute				
Part Number	5SGXEABN2F45C2LN	<a href="#">5SGXE7N2F45I2N</a>	<a href="#">5SGXEABN2F45C2G</a>	<a href="#">5SGXMA3E3H29I4N</a>
Manufacturer	Intel	Intel	Intel	Intel
Number of I/O	840	840	840	600
Voltage - Supply	0.82V ~ 0.88V	0.87V ~ 0.93V	0.87V ~ 0.93V	0.82V ~ 0.88V
Base Product Number	5SGXEAB	5SGXE7	5SGXEAB	5SGXMA3
Number of Logic Elements/Cells	952000	622000	952000	340000
Supplier Device Package	1932-FBGA, FC (45x45)	1932-FBGA, FC (45x45)	1932-FBGA, FC (45x45)	780-HBGA (33x33)
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)
Package	Tray	Tray	Tray	Tray
Total RAM Bits	53248000	51200000	53248000	19456000
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of LABs/CLBs	359200	234720	359200	128300
Package / Case	1932-BBGA, FCBGA	1932-BBGA, FCBGA	1932-BBGA, FCBGA	780-BBGA, FCBGA
Series	Stratix® V GX	Stratix® V GX	Stratix® V GX	Stratix® V GX

### 5SGXEABN2F45C2LN Datasheet PDF

Download 5SGXEABN2F45C2LN pdf datasheets and Intel documentation for 5SGXEABN2F45C2LN - Intel.

#### Datasheets

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

#### PCN Other

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

#### PCN Design/Specification

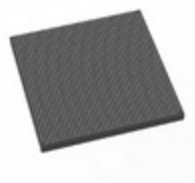
- [Stratix V 25/Jan/2019.pdf](#)

#### Errata



## Customers Also Interested in

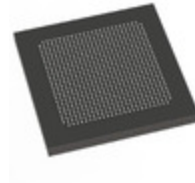
### Recommended Products



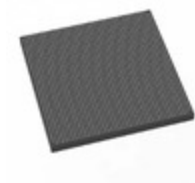
**5SGXEA7N2F45I2N**  
Intel  
IC FPGA 840 I/O 1932FBGA



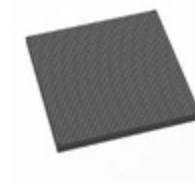
**5SGXEABN2F45C2G**  
Intel  
IC FPGA 840 I/O 1932FBGA



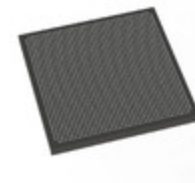
**5SGXMA3E3H29I4N**  
Intel  
IC FPGA 600 I/O 780HBGA



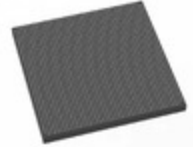
**5SGXEA7N2F45C1N**  
Intel  
IC FPGA 840 I/O 1932FBGA



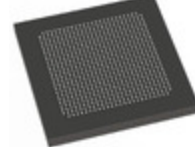
**5SGXEA7N2F45C2N**  
Intel  
IC FPGA 840 I/O 1932FBGA



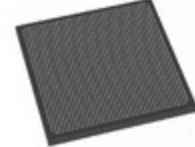
**5SGXEB9R2H43I3N**  
Intel  
IC FPGA 600 I/O 1760HBGA



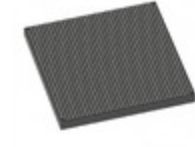
**5SGXEA7N2F45C2NES**  
Altera (Intel)



**5SGXEABN2F45C2N**  
Intel  
IC FPGA 840 I/O 1932FBGA



**5SGXMA3E2H29C3N**  
Intel  
IC FPGA 600 I/O 780HBGA

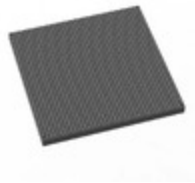


**5SGXEB9R2H43I2N**  
Intel  
IC FPGA 600 I/O 1760HBGA

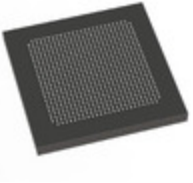


**5SGXEABK2H40I3LN**  
Intel  
IC FPGA 696 I/O 1517HBGA

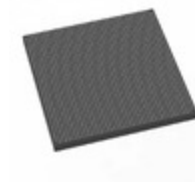
**5SGXEATKF4003**  
Altera (Intel)



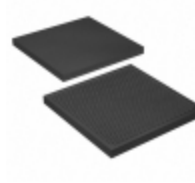
**5SGXEB5R2F43I3N**  
Intel  
IC FPGA 600 I/O 1760FBGA



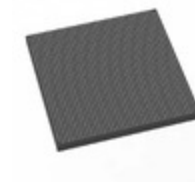
**5SGXMA3E1H29I2N**  
Intel  
IC FPGA 600 I/O 780HBGA



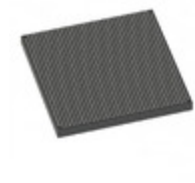
**5SGXEA7N2F45C3N**  
Intel  
IC FPGA 840 I/O 1932FBGA



**5SGXEA9K3H40C2N**  
Altera (Intel® Programmable Solutions Group)  
IC FPGA 696 I/O 1517HBGA



**5SGXEA7N2F45I3N**  
Intel  
IC FPGA 840 I/O 1932FBGA



**5SGXEABK2H40I3N**  
Intel  
IC FPGA 696 I/O 1517HBGA

## 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

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

## Certifications & Memberships



View More