

Image may be representation.
See specifications for product details.



5SGXEA7K2F40I3N

Manufacturer Part Number	5SGXEA7K2F40I3N
Manufacturer	Intel
Allelco Part Number	32D-5SGXEA7K2F40I3N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 696 I/O 1517FBGA
Package	1517-BBGA, FCBGA
Data sheet	Stratix V Device Datasheet.pdf Stratix V Device Overview.pdf Stratix V Device Handbook.pdf
RoHs Status	RoHS Compliant

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5SGXEA7K2F40I3N - Intel.New Original in Stock. Download Linear Technology 5SGXEA7K2F40I3N datasheet/specifications on AllelcoElec.com.
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Specifications

5SGXEA7K2F40I3N Tech Specifications
5SGXEA7K2F40I3N - 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	622000
Total RAM Bits	51200000	Number of LABs/CLBs	234720
Supplier Device Package	1517-FBGA (40x40)	Number of I/O	696
Series	Stratix® V GX	Mounting Type	Surface Mount
Package / Case	1517-BBGA, FCBGA	Base Product Number	5SGXEA7
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5SGXEA7K2F40I3N

Product Attribute				
Part Number	5SGXEA7K2F40I3N	5SGXEA7N2F45C1N	5SGXEA7K1F40C2N	5SGXEABK2H40I3N
Manufacturer	Intel	Intel	Intel	Intel
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)
Base Product Number	5SGXEA7	5SGXEA7	5SGXEA7	5SGXEAB
Supplier Device Package	1517-FBGA (40x40)	1932-FBGA, FC (45x45)	1517-FBGA (40x40)	1517-HBGA (45x45)
Series	Stratix® V GX	Stratix® V GX	Stratix® V GX	Stratix® V GX
Voltage - Supply	0.82V ~ 0.88V	0.87V ~ 0.93V	0.87V ~ 0.93V	0.82V ~ 0.88V
Package	Tray	Tray	Tray	Tray
Total RAM Bits	51200000	51200000	51200000	53248000
Number of I/O	696	840	696	696
Number of LABs/CLBs	234720	234720	234720	359200
Package / Case	1517-BBGA, FCBGA	1932-BBGA, FCBGA	1517-BBGA, FCBGA	1517-BBGA, FCBGA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Logic Elements/Cells	622000	622000	622000	952000

5SGXEA7K2F40I3N Datasheet PDF

Download 5SGXEA7K2F40I3N pdf datasheets and Intel documentation for 5SGXEA7K2F40I3N - 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 Assembly/Origin

- [2.73KHz.pdf](#)

PCN Other

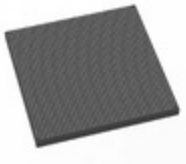

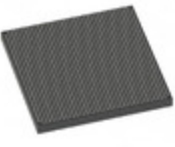
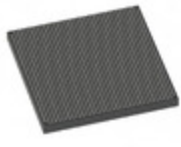

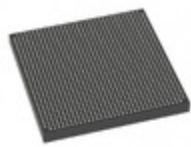
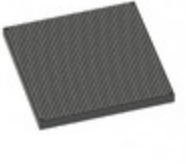
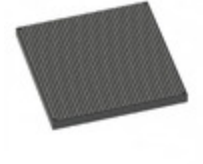
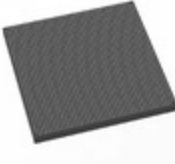
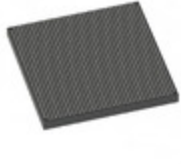
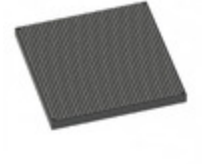


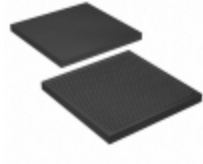
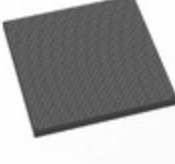
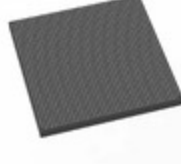
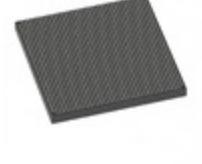
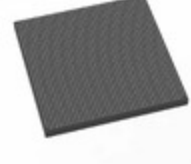
- [Readiness Plan Update 3/Apr/2020.pdf](#)

PCN Design/Specification

Errata

Customers Also Interested in

Recommended Products

 5SGXEA7N2F45C1N Intel IC FPGA 840 I/O 1932FBGA	 5SGXEA7K2F40 Altera (Intel)	 5SGXEA7K1F40C2N Intel IC FPGA 696 I/O 1517FBGA	 5SGXEABK2H40I3N Intel IC FPGA 696 I/O 1517HBGA	 5SGXEA7K2F402N Altera (Intel)	 5SGXEA7H2F35I3LN Intel IC FPGA 552 I/O 1152FBGA
 5SGXEA7K2F40C3N Intel IC FPGA 696 I/O 1517FBGA	 5SGXEA7K2F40I2N Intel IC FPGA 696 I/O 1517FBGA	 5SGXEA7N2F45C2N Intel IC FPGA 840 I/O 1932FBGA	 5SGXEA7K2F40C2N Intel IC FPGA 696 I/O 1517FBGA	 5SGXEABK2H40I3LN Intel IC FPGA 696 I/O 1517HBGA	 5SGXEA7K3F35I3NYY Intel IC FPGA 432 I/O 1152FBGA
 5SGXEA7K2F40C2 Intel IC FPGA 696 I/O 1517FBGA	 5SGXEA9K3H40C2N Altera (Intel® Programmable Solutions Group) IC FPGA 696 I/O 1517HBGA	 5SGXEA7N2F45I2N Intel IC FPGA 840 I/O 1932FBGA	 5SGXEA7N2F45I3N Intel IC FPGA 840 I/O 1932FBGA	 5SGXEA7K2F40C1N Intel IC FPGA 696 I/O 1517FBGA	 5SGXEA7N2F45C3N Intel IC FPGA 840 I/O 1932FBGA

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.

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Certifications & Memberships



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