

Image may be representation.
See specifications for product details.



5SGSED6K3F40I3N

Manufacturer Part Number	5SGSED6K3F40I3N
Manufacturer	Intel
Allelco Part Number	32D-5SGSED6K3F40I3N
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 Handbook.pdf
RoHs Status	RoHS Compliant

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5SGSED6K3F40I3N - Intel.New Original in Stock. Download Linear Technology 5SGSED6K3F40I3N datasheet/specifications on AllelcoElec.com.
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Specifications

5SGSED6K3F40I3N Tech Specifications
5SGSED6K3F40I3N - 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	583000
Total RAM Bits	46080000	Number of LABs/CLBs	220000
Supplier Device Package	1517-FBGA (40x40)	Number of I/O	696
Series	Stratix® V GS	Mounting Type	Surface Mount
Package / Case	1517-BBGA, FCBGA	Base Product Number	5SGSED6
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5SGSED6K3F40I3N

Product Attribute				
Part Number	5SGSED6K3F40I3N	5SGSMD4H3F35C2N	5SGSMD6K2F40I2LN	5SGSMD5K2F40I2LN
Manufacturer	Intel	Intel	Intel	Intel
Number of I/O	696	432	696	696
Voltage - Supply	0.82V ~ 0.88V	0.87V ~ 0.93V	0.82V ~ 0.88V	0.82V ~ 0.88V
Package	Tray	Tray	Tray	Tray
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Number of Logic Elements/Cells	583000	360000	583000	457000
Package / Case	1517-BBGA, FCBGA	1152-BBGA, FCBGA	1517-BBGA, FCBGA	1517-BBGA, FCBGA
Total RAM Bits	46080000	19456000	46080000	39936000
Series	Stratix® V GS	Stratix® V GS	Stratix® V GS	Stratix® V GS
Base Product Number	5SGSED6	5SGSMD4	5SGSMD6	5SGSMD5
Supplier Device Package	1517-FBGA (40x40)	1152-FBGA (35x35)	1517-FBGA (40x40)	1517-FBGA (40x40)
Number of LABs/CLBs	220000	135840	220000	172600
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

5SGSED6K3F40I3N Datasheet PDF

Download 5SGSED6K3F40I3N pdf datasheets and Intel documentation for 5SGSED6K3F40I3N - Intel.

Datasheets

- [Stratix V Device Datasheet.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

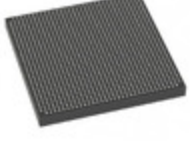


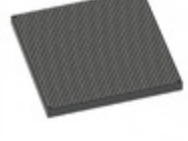

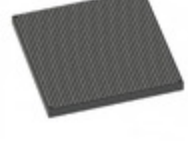


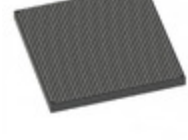




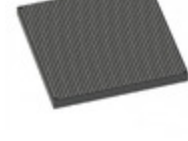




- [Stratix V 25/Jan/2019.pdf](#)

Errata

- [Stratix V Devices Errata.pdf](#)

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Recommended Products

 5SGSMD4H3F35C2N Intel IC FPGA 432 I/O 1152FBGA	 5SGS08D2500 ABB Embedded Power IGBT Module	 5SGR03D6004 ABB Embedded Power IGBT Module	 5SGSMD6K2F40I2LN Intel IC FPGA 696 I/O 1517FBGA	 5SGF4045L0002 ABB Embedded Power IGBT Module	 5SGSMD5K2F40I2LN Intel IC FPGA 696 I/O 1517FBGA
 5SGT30J6004 ABB Embedded Power IGBT Module	 5SGR30L4503 ABB Embedded Power IGBT Module	 5SGSMD8K3F40C2N Intel IC FPGA 696 I/O 1517FBGA	 5SGS16H4500 ABB Embedded Power IGBT Module	 5SGR20L2501 ABB Embedded Power IGBT Module	 5SGF40L4502 ABB Embedded Power IGBT Module
 5SGT30J4502 ABB Embedded Power IGBT Module	 5SGSMD5K2F40C2N Intel IC FPGA 696 I/O 1517FBGA	 5SGSMD5H3F35I3N Intel IC FPGA 552 I/O 1152FBGA	 5SGT40L4502 ABB Embedded Power IGBT Module	 5SGS08D4500 ABB Embedded Power IGBT Module	 5SGR20L4501 ABB Embedded Power IGBT Module

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.



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-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

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