

Image may be representation.
See specifications for product details.



EP4SGX70DF29C2XN

Manufacturer Part Number **EP4SGX70DF29C2XN**

Manufacturer **Intel**

Allelco Part Number **32D-EP4SGX70DF29C2XN**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 372 I/O 780FBGA**

Package **780-BBGA, FCBGA**

Data sheet [Virtual JTAG Megafuntion Guide.pdf](#)

[Stratix IV Device Handbook Vol.4.pdf](#)

[Stratix IV Devices.pdf](#)

RoHs Status **RoHS Compliant**

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EP4SGX70DF29C2XN - Intel.New Original in Stock. Download Linear Technology EP4SGX70DF29C2XN datasheet/specifications on AllelcoElec.com.
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Specifications

EP4SGX70DF29C2XN Tech Specifications

EP4SGX70DF29C2XN - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	0.87V ~ 0.93V	Number of Logic Elements/Cells	72600
Total RAM Bits	7564880	Number of LABs/CLBs	2904
Supplier Device Package	780-FBGA (29x29)	Number of I/O	372
Series	Stratix® IV GX	Mounting Type	Surface Mount
Package / Case	780-BBGA, FCBGA	Base Product Number	EP4SGX70
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4SGX70DF29C2XN

Product Attribute				
Part Number	EP4SGX70DF29C2XN	EP4SGXDF29I3NAB	EP4SGX530KH40C3	EP4SGX530NF45C4N
Manufacturer	Intel	Intel	Intel	Intel
Series	Stratix® IV GX	-	Stratix® IV GX	Stratix® IV GX
Operating Temperature	0°C ~ 85°C (TJ)	-	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Base Product Number	EP4SGX70	-	EP4SGX530	EP4SGX530
Number of I/O	372	-	744	920
Number of LABs/CLBs	2904	-	21248	21248
Voltage - Supply	0.87V ~ 0.93V	-	0.87V ~ 0.93V	0.87V ~ 0.93V
Total RAM Bits	7564880	-	28033024	28033024
Mounting Type	Surface Mount	-	Surface Mount	Surface Mount
Supplier Device Package	780-FBGA (29x29)	-	1517-HBGA (42.5x42.5)	1932-FBGA, FC (45x45)
Package / Case	780-BBGA, FCBGA	-	1517-BBGA, FCBGA	1932-BBGA, FCBGA
Number of Logic Elements/Cells	72600	-	531200	531200
Package	Tray	Tray	Tray	Tray

EP4SGX70DF29C2XN Datasheet PDF

Download EP4SGX70DF29C2XN pdf datasheets and Intel documentation for EP4SGX70DF29C2XN - Intel.

Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Stratix IV Device Handbook Vol.4.pdf](#)
- [Stratix IV Devices.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 28/Feb/2019.pdf](#)
- [Mult Dev EOL REV 2/Aug/2019.pdf](#)

PCN Other


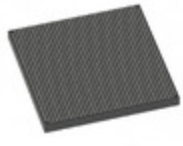
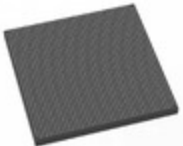
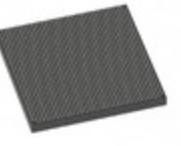
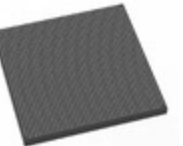
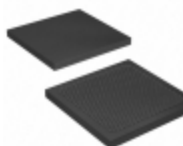
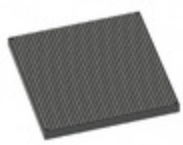
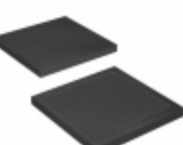
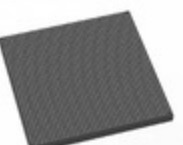

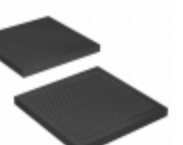
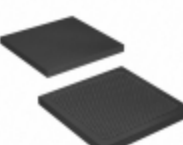

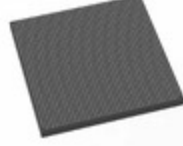
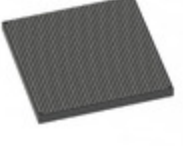
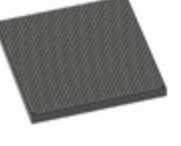
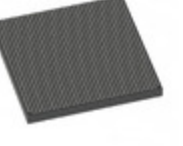
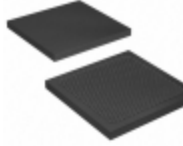
- [Readiness Plan Update 3/Apr/2020.pdf](#)

Errata

- [Stratix IV GX Errata.pdf](#)

Customers Also Interested in

Recommended Products

					
EP4SGXDF29I3NAB Intel IC FPGA STRATIX IV GX FLIP CHIP	EP4SGX530KH40C3 Intel IC FPGA 744 I/O 1517HBGA	EP4SGX530NF45C4N Intel IC FPGA 920 I/O 1932FBGA	EP4SGX530KH40I3N Intel IC FPGA 744 I/O 1517HBGA	EP4SGX530NF45I3N Intel IC FPGA 920 I/O 1932FBGA	EP4SGX70HF35I3N Intel IC FPGA 488 I/O 1152FBGA
					
EP4SGX530KH40C4N Intel IC FPGA 744 I/O 1517HBGA	EP4SGX70HF35C2G Intel IC FPGA 488 I/O 1152FBGA	EP4SGX530NF45C2N Intel IC FPGA 744 I/O 1932FBGA	EP4SGXF35NDA Altera (Intel)	EP4SGX70HF35C3N Intel IC FPGA 488 I/O 1152FBGA	EP4SGX70HF35C2N Intel IC FPGA 488 I/O 1152FBGA
					
EP4SGX70HF35I2N Altera (Intel)	EP4SGX530NF45C2 Intel IC FPGA 920 I/O 1932FBGA	EP4SGX530KH40C3N Intel IC FPGA 744 I/O 1517HBGA	EP4SGX530KH40I4N Intel IC FPGA 744 I/O 1517HBGA	EP4SGX530KH40I3 Intel IC FPGA 744 I/O 1517HBGA	EP4SGX70HF35C4N Intel IC FPGA 488 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

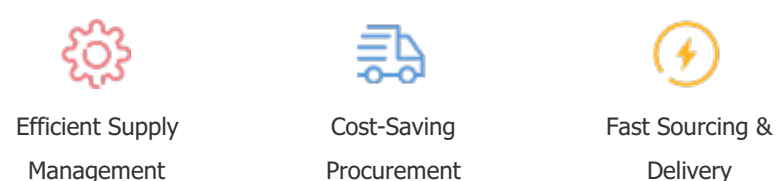
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

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



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Contact us if you have any questions.



Certifications & Memberships



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