

Image may be representation.  
See specifications for product details.



## EP4SGX180DF29I3N

Manufacturer Part Number **EP4SGX180DF29I3N**

Manufacturer **Intel**

Allelco Part Number **32D-EP4SGX180DF29I3N**

ECAD Model PCB Symbol, Footprint & 3D Model

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

**Get a Quote**

EP4SGX180DF29I3N - Intel.New Original in Stock. Download Linear Technology EP4SGX180DF29I3N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP4SGX180DF29I3N, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

EP4SGX180DF29I3N Tech Specifications  
EP4SGX180DF29I3N - 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	175750
Total RAM Bits	13954048	Number of LABs/CLBs	7030
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	EP4SGX180
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4SGX180DF29I3N

Product Attribute				
Part Number	EP4SGX180DF29I3N	EP4SGX180FF35C4N	EP4SGX180FF35C3N	EP4SGX110HF35C4N
Manufacturer	Intel	Intel	Intel	Intel
Package	Tray	Tray	Tray	Tray
Series	Stratix® IV GX	Stratix® IV GX	Stratix® IV GX	Stratix® IV GX
Number of Logic Elements/Cells	175750	175750	175750	105600
Number of LABs/CLBs	7030	7030	7030	4224
Package / Case	780-BBGA, FCBGA	1152-BBGA, FCBGA	1152-BBGA, FCBGA	1152-BBGA, FCBGA
Base Product Number	EP4SGX180	EP4SGX180	EP4SGX180	EP4SGX110
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Total RAM Bits	13954048	13954048	13954048	9793536
Supplier Device Package	780-FBGA (29x29)	1152-FBGA (35x35)	1152-FBGA (35x35)	1152-FBGA (35x35)
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Number of I/O	372	564	564	488
Voltage - Supply	0.87V ~ 0.93V	0.87V ~ 0.93V	0.87V ~ 0.93V	0.87V ~ 0.93V

## EP4SGX180DF29I3N Datasheet PDF

Download EP4SGX180DF29I3N pdf datasheets and Intel documentation for EP4SGX180DF29I3N - 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 30/Mar/2020.pdf](#)
- [Mult Dev EOL Rev 30/Mar/2020.pdf](#)

### PCN Other

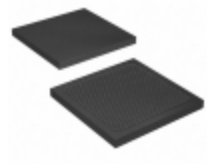
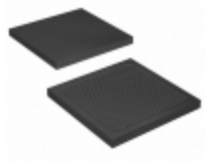
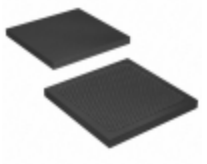
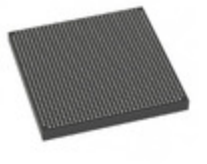


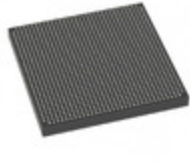
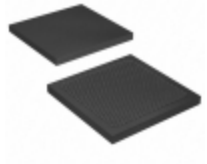
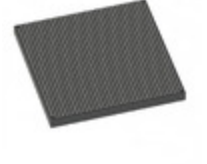

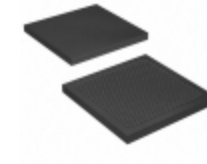
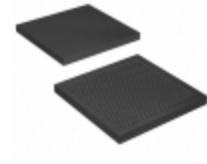



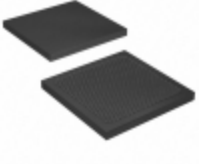
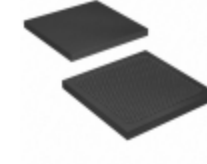
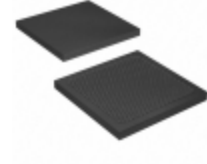
- [Readiness Plan Update 3/Apr/2020.pdf](#)

### Errata

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

## Customers Also Interested in

## Recommended Products

					
<b>EP4SGX180FF35C4N</b> Intel IC FPGA 564 I/O 1152FBGA	<b>EP4SGX180FF35C3N</b> Intel IC FPGA 564 I/O 1152FBGA	<b>EP4SGX110HF35C4N</b> Intel IC FPGA 488 I/O 1152FBGA	<b>EP4SGX180HF35I3N</b> Intel IC FPGA 564 I/O 1152FBGA	<b>EP4SGX110DF29I4N</b> Intel IC FPGA 372 I/O 780FBGA	<b>EP4SGX110DF29I3N</b> Intel IC FPGA 372 I/O 780FBGA
					
<b>EP4SGX180HF35C4</b> Intel IC FPGA 564 I/O 1152FBGA	<b>EP4SGX110FF35C4N</b> Intel IC FPGA 372 I/O 1152FBGA	<b>EP4SGX180KF40C3N</b> Intel IC FPGA 744 I/O 1517FBGA	<b>EP4SGX180DF29C2XN</b> Intel IC FPGA 372 I/O 780FBGA	<b>EP4SGX110FF35C4G</b> Intel IC FPGA 372 I/O 1152FBGA	<b>EP4SGX180FF35I4N</b> Intel IC FPGA 564 I/O 1152FBGA
					
<b>EP4SGX180KF40C2N</b> Intel IC FPGA 744 I/O 1517FBGA	<b>EP4SGX180DF29I4N</b> Intel IC FPGA 372 I/O 780FBGA	<b>EP4SGX180KF40C2G</b> Intel IC FPGA 744 I/O 1517FBGA	<b>EP4SGX180FF35I3N</b> Intel IC FPGA 564 I/O 1152FBGA	<b>EP4SGX110FF35C3N</b> Intel IC FPGA 372 I/O 1152FBGA	<b>EP4SGX110HF35C2N</b> 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.

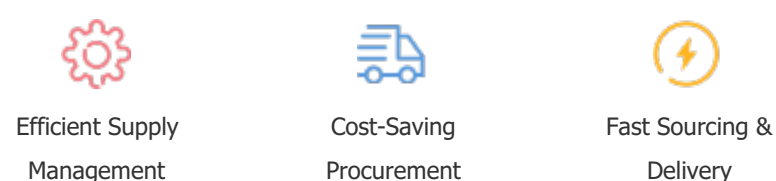
### Payment Support

The payment method can be chosen from the methods shown below:

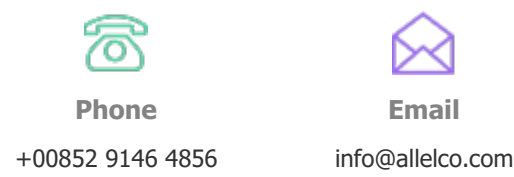
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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