

Image may be representation.  
See specifications for product details.



## EP4SGX180FF35I4N

Manufacturer Part Number **EP4SGX180FF35I4N**

Manufacturer **Intel**

Allelco Part Number **32D-EP4SGX180FF35I4N**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 564 I/O 1152FBGA**

Package **1152-BBGA, FCBGA**

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

[Stratix IV Devices.pdf](#)

[Stratix IV Device Handbook Vol1.pdf](#)

RoHs Status **RoHS Compliant**

**Get a Quote**

EP4SGX180FF35I4N - Intel.New Original in Stock. Download Linear Technology EP4SGX180FF35I4N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP4SGX180FF35I4N, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

EP4SGX180FF35I4N Tech Specifications

EP4SGX180FF35I4N - 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	1152-FBGA (35x35)	Number of I/O	564
Series	Stratix® IV GX	Mounting Type	Surface Mount
Package / Case	1152-BBGA, FCBGA	Base Product Number	EP4SGX180
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4SGX180FF35I4N

Product Attribute				
Part Number	EP4SGX180FF35I4N	EP4SGX180KF40I3N	EP4SGX110HF35C4N	EP4SGX230DF29C2XN
Manufacturer	Intel	Intel	Intel	Intel
Package / Case	1152-BBGA, FCBGA	1517-BBGA, FCBGA	1152-BBGA, FCBGA	780-BBGA, FCBGA
Supplier Device Package	1152-FBGA (35x35)	1517-FBGA (40x40)	1152-FBGA (35x35)	780-FBGA (29x29)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	Tray
Voltage - Supply	0.87V ~ 0.93V	0.87V ~ 0.93V	0.87V ~ 0.93V	0.87V ~ 0.93V
Number of I/O	564	744	488	372
Series	Stratix® IV GX	Stratix® IV GX	Stratix® IV GX	Stratix® IV GX
Number of LABs/CLBs	7030	7030	4224	9120
Base Product Number	EP4SGX180	EP4SGX180	EP4SGX110	EP4SGX230
Operating Temperature	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Number of Logic Elements/Cells	175750	175750	105600	228000
Total RAM Bits	13954048	13954048	9793536	17544192

## EP4SGX180FF35I4N Datasheet PDF

Download EP4SGX180FF35I4N pdf datasheets and Intel documentation for EP4SGX180FF35I4N - Intel.

### Datasheets



[Virtual JTAG Megafuntion Guide.pdf](#)



[Stratix IV Devices.pdf](#)



[Stratix IV Device Handbook Vol1.pdf](#)

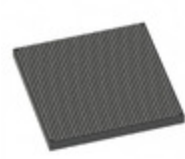
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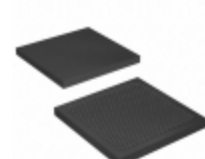
[Stratix IV GX Errata.pdf](#)

## Customers Also Interested in

### Recommended Products



**EP4SGX180KF40I3N**  
Intel  
IC FPGA 744 I/O 1517FBGA



**EP4SGX110HF35C4N**  
Intel  
IC FPGA 488 I/O 1152FBGA



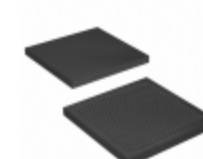
**EP4SGX230DF29C2XN**  
Intel  
IC FPGA 372 I/O 780FBGA



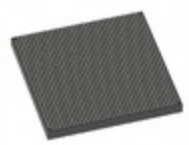
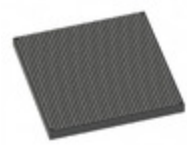
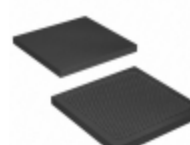
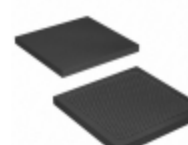
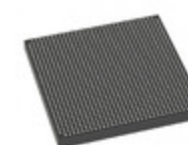
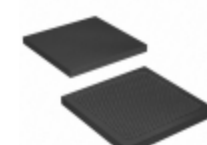
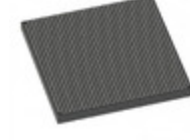
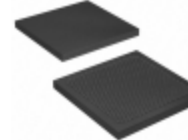
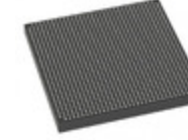
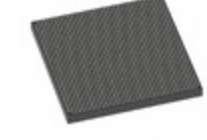
**EP4SGX180DF29I3N**  
Intel  
IC FPGA 372 I/O 780FBGA



**EP4SGX180DF29C2XN**  
Intel  
IC FPGA 372 I/O 780FBGA



**EP4SGX110HF35C2N**  
Intel  
IC FPGA 488 I/O 1152FBGA

**EP4SGX180KF40C2N**Intel  
IC FPGA 744 I/O 1517FBGA**EP4SGX180KF40C3N**Intel  
IC FPGA 744 I/O 1517FBGA**EP4SGX180FF35C3N**Intel  
IC FPGA 564 I/O 1152FBGA**EP4SGX180FF35I3N**Intel  
IC FPGA 564 I/O 1152FBGA**EP4SGX180HF35C4**Intel  
IC FPGA 564 I/O 1152FBGA**EP4SGX110HF35C3N**Intel  
IC FPGA 488 I/O 1152FBGA**EP4SGX180KF40C2G**Intel  
IC FPGA 744 I/O 1517FBGA**EP4SGX180DF29I4N**Intel  
IC FPGA 372 I/O 780FBGA**EP4SGX180KF40C4N**Intel  
IC FPGA 744 I/O 1517FBGA**EP4SGX180FF35C4N**Intel  
IC FPGA 564 I/O 1152FBGA**EP4SGX180HF35I3N**Intel  
IC FPGA 564 I/O 1152FBGA**EP4SGX180KF40I3**Intel  
IC FPGA 744 I/O 1517FBGA

## 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

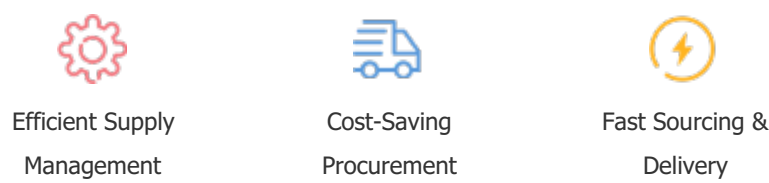
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

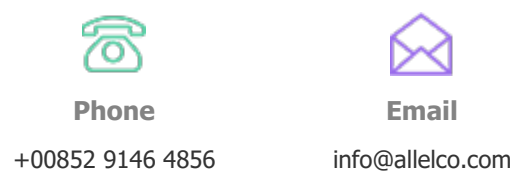
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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