

Image may be representation.  
See specifications for product details.



## EP4SGX180KF40I3

Manufacturer Part Number **EP4SGX180KF40I3**

Manufacturer **Intel**

Allelco Part Number **32D-EP4SGX180KF40I3**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 744 I/O 1517FBGA**

Package **1517-BBGA, FCBGA**

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

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

[Stratix IV Device Handbook Vol.1.pdf](#)

**Get a Quote**

EP4SGX180KF40I3 - Intel.New Original in Stock. Download Linear Technology EP4SGX180KF40I3 datasheet/specifications on AllelcoElec.com.  
Request a quote for EP4SGX180KF40I3, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

EP4SGX180KF40I3 Tech Specifications

EP4SGX180KF40I3 - 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	1517-FBGA (40x40)	Number of I/O	744
Series	Stratix® IV GX	Mounting Type	Surface Mount
Package / Case	1517-BBGA, FCBGA	Base Product Number	EP4SGX180
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4SGX180KF40I3

Product Attribute				
Part Number	EP4SGX180KF40I3	<a href="#">EP4SGX180KF40C2G</a>	<a href="#">EP4SGX180FF35C4N</a>	<a href="#">EP4SGX230FF35C2XN</a>
Manufacturer	Intel	Intel	Intel	Intel
Series	Stratix® IV GX	*	Stratix® IV GX	Stratix® IV GX
Base Product Number	EP4SGX180	EP4SGX180	EP4SGX180	EP4SGX230
Total RAM Bits	13954048	-	13954048	17544192
Mounting Type	Surface Mount	-	Surface Mount	Surface Mount
Supplier Device Package	1517-FBGA (40x40)	-	1152-FBGA (35x35)	1152-FBGA (35x35)
Package	Tray	Tray	Tray	Tray
Package / Case	1517-BBGA, FCBGA	-	1152-BBGA, FCBGA	1152-BBGA, FCBGA
Operating Temperature	-40°C ~ 100°C (TJ)	-	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Number of I/O	744	-	564	564
Number of LABs/CLBs	7030	-	7030	9120
Number of Logic Elements/Cells	175750	-	175750	228000
Voltage - Supply	0.87V ~ 0.93V	-	0.87V ~ 0.93V	0.87V ~ 0.93V

## EP4SGX180KF40I3 Datasheet PDF

Download EP4SGX180KF40I3 pdf datasheets and Intel documentation for EP4SGX180KF40I3 - Intel.

### Datasheets



[Virtual JTAG Megafuntion Guide.pdf](#)



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



[Stratix IV Device Handbook Vol.1.pdf](#)

### Errata



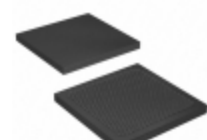
[Stratix IV GX Errata.pdf](#)

## Customers Also Interested in

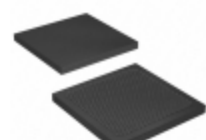
### Recommended Products



**EP4SGX180KF40C2G**  
Intel  
IC FPGA 744 I/O 1517FBGA



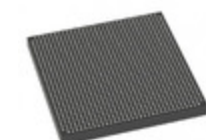
**EP4SGX180FF35C4N**  
Intel  
IC FPGA 564 I/O 1152FBGA



**EP4SGX230FF35C2XN**  
Intel  
IC FPGA 564 I/O 1152FBGA



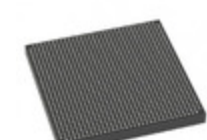
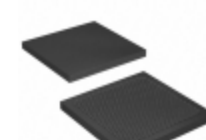
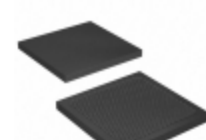
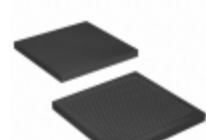
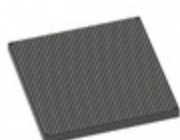
**EP4SGX230DF29C4N**  
Intel  
IC FPGA 372 I/O 780FBGA

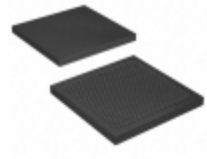
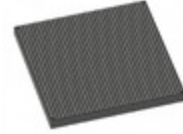
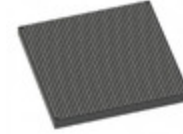
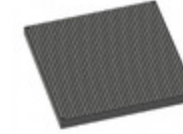
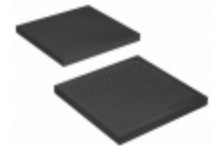


**EP4SGX180HF35I3N**  
Intel  
IC FPGA 564 I/O 1152FBGA



**EP4SGX230DF29I3N**  
Intel  
IC FPGA 372 I/O 780FBGA



**EP4SGX180KF40C4N**Intel  
IC FPGA 744 I/O 1517FBGA**EP4SGX230DF29C2XN****EP4SGX230DF29C2XN**Intel  
IC FPGA 372 I/O 780FBGA**EP4SGX180FF35C3N****EP4SGX180FF35C3N**Intel  
IC FPGA 564 I/O 1152FBGA**EP4SGX180KF40C2N****EP4SGX180FF35I3N**Intel  
IC FPGA 564 I/O 1152FBGA**EP4SGX180KF40C3N****EP4SGX180FF35I4N**Intel  
IC FPGA 564 I/O 1152FBGA**EP4SGX180KF40I3N****EP4SGX180HF35C4**Intel  
IC FPGA 564 I/O 1152FBGA**EP4SGX230FF35C3N**Intel  
IC FPGA 564 I/O 1152FBGAIntel  
IC FPGA 564 I/O 1152FBGAIntel  
IC FPGA 744 I/O 1517FBGAIntel  
IC FPGA 744 I/O 1517FBGAIntel  
IC FPGA 744 I/O 1517FBGAIntel  
IC FPGA 564 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 -

 Efficient Supply Management  
 Cost-Saving Procurement  
 Fast Sourcing & Delivery

Contact us if you have any questions.

 Phone  
 +00852 9146 4856  
 Email  
 info@allelco.com

## Certifications & Memberships



[View More](#)



**ALLELCO LIMITED**  
WWW.ALLELCOELEC.COM

### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com

Copyright © 2012-2023 AllelcoElec.com. All rights reserved.