

Image may be representation.
See specifications for product details.



EP4SGX180KF40I3N

Manufacturer Part Number **EP4SGX180KF40I3N**

Manufacturer **Intel**

Allelco Part Number **32D-EP4SGX180KF40I3N**

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](#)

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RoHs Status **RoHS Compliant**

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EP4SGX180KF40I3N - Intel.New Original in Stock. Download Linear Technology EP4SGX180KF40I3N datasheet/specifications on AllelcoElec.com.
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Specifications

EP4SGX180KF40I3N Tech Specifications
EP4SGX180KF40I3N - 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 EP4SGX180KF40I3N

Product Attribute				
Part Number	EP4SGX180KF40I3N	EP4SGX230FF35I3N	EP4SGX180HF35I3N	EP4SGX230FF35C4N
Manufacturer	Intel	Intel	Intel	Intel
Number of I/O	744	564	564	564
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
Series	Stratix® IV GX	Stratix® IV GX	Stratix® IV GX	Stratix® IV GX
Package / Case	1517-BBGA, FCBGA	1152-BBGA, FCBGA	1152-BBGA, FCBGA	1152-BBGA, FCBGA
Base Product Number	EP4SGX180	EP4SGX230	EP4SGX180	EP4SGX230
Number of LABs/CLBs	7030	9120	7030	9120
Supplier Device Package	1517-FBGA (40x40)	1152-FBGA (35x35)	1152-FBGA (35x35)	1152-FBGA (35x35)
Number of Logic Elements/Cells	175750	228000	175750	228000
Total RAM Bits	13954048	17544192	13954048	17544192
Operating Temperature	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)

EP4SGX180KF40I3N Datasheet PDF

Download EP4SGX180KF40I3N pdf datasheets and Intel documentation for EP4SGX180KF40I3N - Intel.

Datasheets



[Virtual JTAG Megafuntion Guide.pdf](#)



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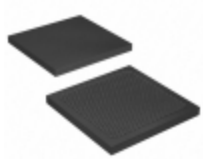
Errata



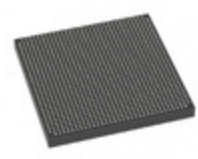
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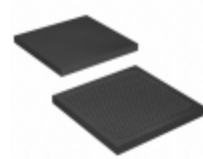
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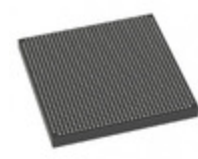
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Intel
IC FPGA 564 I/O 1152FBGA



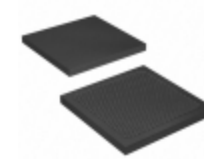
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Intel
IC FPGA 564 I/O 1152FBGA



EP4SGX230FF35C4N
Intel
IC FPGA 564 I/O 1152FBGA



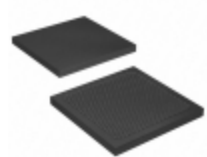
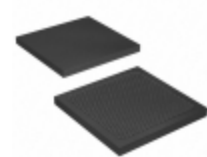
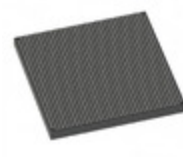
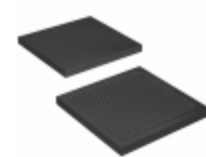
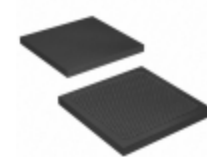
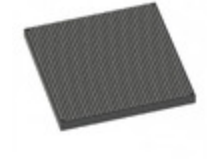
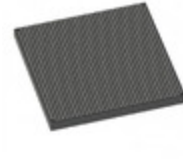
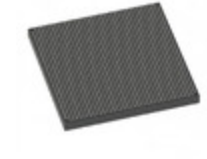
EP4SGX180HF35C4
Intel
IC FPGA 564 I/O 1152FBGA



EP4SGX180FF35I3N
Intel
IC FPGA 564 I/O 1152FBGA



EP4SGX180KF40C2G
Intel
IC FPGA 744 I/O 1517FBGA

**EP4SGX180FF35I4N**Intel
IC FPGA 564 I/O 1152FBGA**EP4SGX230FF35C3N**Intel
IC FPGA 564 I/O 1152FBGA**EP4SGX180KF40C4N**Intel
IC FPGA 744 I/O 1517FBGA**EP4SGX180FF35C4N**Intel
IC FPGA 564 I/O 1152FBGA**EP4SGX230DF29C2XN**Intel
IC FPGA 372 I/O 780FBGA**EP4SGX230FF35C2XN**Intel
IC FPGA 564 I/O 1152FBGA**EP4SGX230DF29I3N**Intel
IC FPGA 372 I/O 780FBGA**EP4SGX180KF40C2N**Intel
IC FPGA 744 I/O 1517FBGA**EP4SGX180KF40C3N**Intel
IC FPGA 744 I/O 1517FBGA**EP4SGX230FF35C4G**Intel
IC FPGA 564 I/O 1152FBGA**EP4SGX230DF29C4N**Intel
IC FPGA 372 I/O 780FBGA**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 -

 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



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