

Image may be representation.  
See specifications for product details.



## EP4SE230F29C4N

Manufacturer Part Number	<b>EP4SE230F29C4N</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP4SE230F29C4N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 488 I/O 780FBGA
Package	780-BBGA, FCBGA
Data sheet	<a href="#">Virtual JTAG Megafuntion Guide.pdf</a> <a href="#">Stratix IV Device Handbook Vol.4.pdf</a> <a href="#">Stratix IV Devices.pdf</a>
RoHs Status	RoHS Compliant

**Get a Quote**

EP4SE230F29C4N - Intel.New Original in Stock. Download Linear Technology EP4SE230F29C4N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP4SE230F29C4N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

EP4SE230F29C4N Tech Specifications

EP4SE230F29C4N - 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	228000
Total RAM Bits	17544192	Number of LABs/CLBs	9120
Supplier Device Package	780-FBGA (29x29)	Number of I/O	488
Series	STRATIX® IV E	Mounting Type	Surface Mount
Package / Case	780-BBGA, FCBGA	Base Product Number	EP4SE230
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4SE230F29C4N

Product Attribute				
Part Number	EP4SE230F29C4N	EP4SE230F29I4N	EP4SE360F35I3N	EP4S40G5H40I1N
Manufacturer	Intel	Intel	Intel	Intel
Number of Logic Elements/Cells	228000	228000	353600	531200
Number of I/O	488	488	744	654
Voltage - Supply	0.87V ~ 0.93V	0.87V ~ 0.93V	0.87V ~ 0.93V	0.92V ~ 0.98V
Package	Tray	Tray	Tray	Tray
Supplier Device Package	780-FBGA (29x29)	780-FBGA (29x29)	1152-FBGA (35x35)	1517-HBGA (42.5x42.5)
Total RAM Bits	17544192	17544192	23105536	28033024
Base Product Number	EP4SE230	EP4SE230	EP4SE360	EP4S40G5
Number of LABs/CLBs	9120	9120	14144	21248
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 100°C (TJ)
Series	STRATIX® IV E	STRATIX® IV E	STRATIX® IV E	STRATIX® IV GT
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	780-BBGA, FCBGA	780-BBGA, FCBGA	1152-BBGA, FCBGA	1517-BBGA, FCBGA

### EP4SE230F29C4N Datasheet PDF

Download EP4SE230F29C4N pdf datasheets and Intel documentation for EP4SE230F29C4N - Intel.

#### Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Stratix IV Device Handbook Vol.4.pdf](#)
- [Stratix IV Devices.pdf](#)

#### Errata

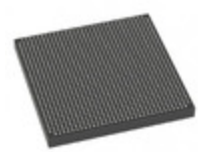
- [Stratix IV E Errata.pdf](#)

### Customers Also Interested in

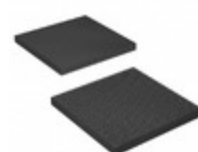
#### Recommended Products



**EP4SE230F29I4N**  
Intel  
IC FPGA 488 I/O 780FBGA



**EP4SE360F35I3N**  
Intel  
IC FPGA 744 I/O 1152FBGA



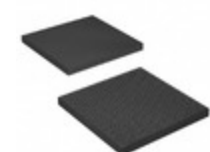
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Intel  
IC FPGA 654 I/O 1517HBGA



**EP4S40G5H40**  
Altera (Intel)



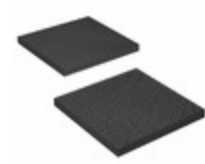
**EP4S40G5H40C2N**  
Altera (Intel)



**EP4S40G5H40I1**  
Intel  
IC FPGA 654 I/O 1517HBGA



EP4S40G5H40C3N



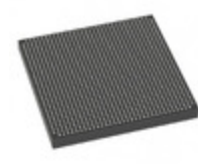
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Intel  
IC FPGA 654 I/O 1517HBGA



EP4S40G5H40I2NAD

Intel  
IC FPGA 654 I/O 1517HBGA



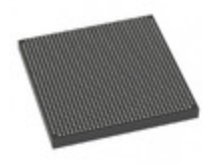
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Intel  
IC FPGA 744 I/O 1152FBGA



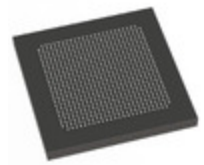
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Intel  
IC FPGA 488 I/O 780FBGA



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Intel  
IC FPGA 744 I/O 1152FBGA

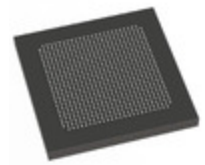


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Intel  
IC FPGA 488 I/O 780HBGA

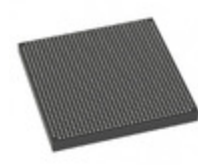


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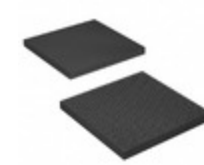
EP4SE360H29C3N

Intel  
IC FPGA 488 I/O 780HBGA



EP4SE230F35I4NAD

Intel  
IC FPGA 1152FBGA



EP4S40G5H40I2N

Intel  
IC FPGA 654 I/O 1517HBGA



EP4SE230F29I3N

Intel  
IC FPGA 488 I/O 780FBGA

## 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



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