

Image may be representation.  
See specifications for product details.



## EP3SE50F780I3N

Manufacturer Part Number **EP3SE50F780I3N**

Manufacturer **Intel**

Allelco Part Number **32D-EP3SE50F780I3N**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 488 I/O 780FBGA**

Package **780-BBGA, FCBGA**

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

[Stratix III Device Family Overview.pdf](#)

[Stratix III Device Handbook.pdf](#)

RoHs Status **RoHS Compliant**

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## Specifications

EP3SE50F780I3N Tech Specifications

EP3SE50F780I3N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	0.86V ~ 1.15V	Number of Logic Elements/Cells	47500
Total RAM Bits	5760000	Number of LABs/CLBs	1900
Supplier Device Package	780-FBGA (29x29)	Number of I/O	488
Series	Stratix® III E	Mounting Type	Surface Mount
Package / Case	780-BBGA, FCBGA	Base Product Number	EP3SE50
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP3SE50F780I3N

Product Attribute				
Part Number	EP3SE50F780I3N	EP3SE80F1152C2N	EP3SE50F484I3N	EP3SE50F484I3G
Manufacturer	Intel	Intel	Intel	Intel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	488	744	296	296
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Series	Stratix® III E	Stratix® III E	Stratix® III E	Stratix® III E
Number of LABs/CLBs	1900	3200	1900	1900
Package	Tray	Tray	Tray	Tray
Voltage - Supply	0.86V ~ 1.15V	0.86V ~ 1.15V	0.86V ~ 1.15V	0.86V ~ 1.15V
Package / Case	780-BBGA, FCBGA	1152-BBGA, FCBGA	484-BBGA, FCBGA	484-BBGA, FCBGA
Total RAM Bits	5760000	6843392	5760000	5760000
Base Product Number	EP3SE50	EP3SE80	EP3SE50	EP3SE50
Number of Logic Elements/Cells	47500	80000	47500	47500
Supplier Device Package	780-FBGA (29x29)	1152-FBGA (35x35)	484-FBGA (23x23)	484-FBGA (23x23)

## EP3SE50F780I3N Datasheet PDF

Download EP3SE50F780I3N pdf datasheets and Intel documentation for EP3SE50F780I3N - Intel.

### Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Stratix III Device Family Overview.pdf](#)
- [Stratix III Device Handbook.pdf](#)

### PCN Design/Specification

- [Cylindrical Battery Holders.pdf](#)

### PCN Packaging

- [Mult Dev Label CHG 24/Jan/2020.pdf](#)
- [Mult Dev Label Chgs 24/Feb/2020.pdf](#)

### PCN Obsolescence/ EOL

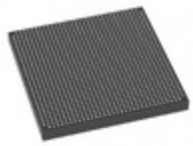
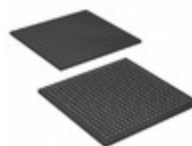

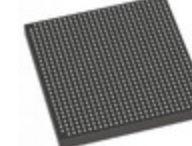
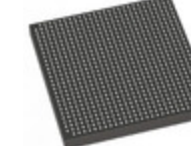
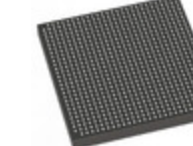
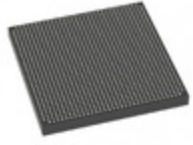
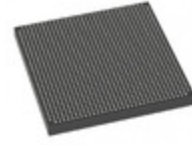
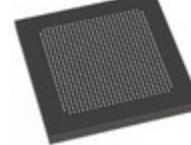
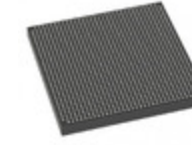
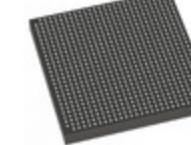
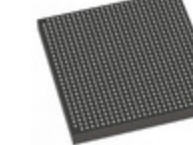
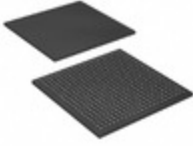
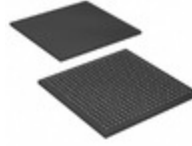
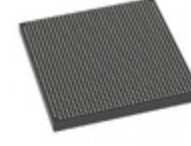
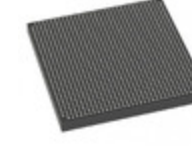
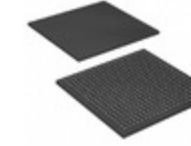
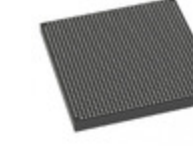
- [Mult Dev Add Subs 6/Sep/2019.pdf](#)
- [Mult Dev EOL 28/Feb/2019.pdf](#)
- [Mult Dev EOL REV 2/Aug/2019.pdf](#)

### PCN Other

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

## Customers Also Interested in

## Recommended Products

					
<b>EP3SE80F1152C2N</b> Intel IC FPGA 744 I/O 1152FBGA	<b>EP3SE50F484I3N</b> Intel IC FPGA 296 I/O 484FBGA	<b>EP3SE50F484I3G</b> Intel IC FPGA 296 I/O 484FBGA	<b>EP3SE50F780C4N</b> Intel IC FPGA 488 I/O 780FBGA	<b>EP3SE50F780C2N</b> Intel IC FPGA 488 I/O 780FBGA	<b>EP3SE50F780I4</b> Intel IC FPGA 488 I/O 780FBGA
					
<b>EP3SE80F1152C4N</b> Intel IC FPGA 744 I/O 1152FBGA	<b>EP3SE80F1152C2G</b> Intel IC FPGA 744 I/O 1152FBGA	<b>EP3SE260H780I4N</b> Intel IC FPGA 488 I/O 780HBGA	<b>EP3SE80F1152I3N</b> Intel IC FPGA 744 I/O 1152FBGA	<b>EP3SE50F780C3N</b> Intel IC FPGA 488 I/O 780FBGA	<b>EP3SE50F780I4N</b> Intel IC FPGA 488 I/O 780FBGA
					
<b>EP3SE50F484C2N</b> Intel IC FPGA 296 I/O 484FBGA	<b>EP3SE50F484C4N</b> Intel IC FPGA 296 I/O 484FBGA	<b>EP3SE80F1152I4N</b> Intel IC FPGA 744 I/O 1152FBGA	<b>EP3SE80F1152I4G</b> Intel IC FPGA 744 I/O 1152FBGA	<b>EP3SE50F484I4N</b> Intel IC FPGA 296 I/O 484FBGA	<b>EP3SE80F1152I3</b> Intel IC FPGA 744 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

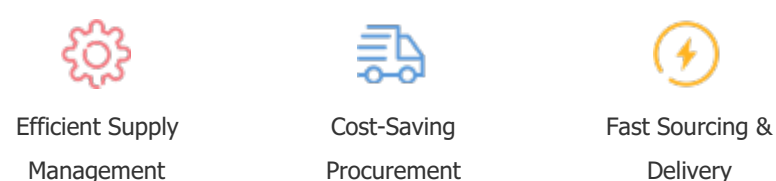
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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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