

Image may be representation.
See specifications for product details.



EP2S90F780I4N

Manufacturer Part Number	EP2S90F780I4N
Manufacturer	Intel
Allelco Part Number	32D-EP2S90F780I4N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 534 I/O 780FBGA
Package	780-BBGA
Data sheet	Virtual JTAG Megafuntion Guide.pdf Stratix II Device Handbook.pdf 780-FBGA Pkg Info.pdf
RoHs Status	RoHS Compliant

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EP2S90F780I4N - Intel.New Original in Stock. Download Linear Technology EP2S90F780I4N datasheet/specifications on AllelcoElec.com.
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Specifications

EP2S90F780I4N Tech Specifications
EP2S90F780I4N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	1.15V ~ 1.25V	Number of Logic Elements/Cells	90960
Total RAM Bits	4520488	Number of LABs/CLBs	4548
Supplier Device Package	780-FBGA (29x29)	Number of I/O	534
Series	Stratix® II	Mounting Type	Surface Mount
Package / Case	780-BBGA	Base Product Number	EP2S90
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP2S90F780I4N

Product Attribute				
Part Number	EP2S90F780I4N	EP2S90F780I4	EP2SGX130GF1508I4	EP2S90F1508C4N
Manufacturer	Intel	Intel	Intel	Intel
Package / Case	780-BBGA	780-BBGA	1508-BBGA, FCBGA	1508-BBGA, FCBGA
Number of I/O	534	534	734	902
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of LABs/CLBs	4548	4548	6627	4548
Supplier Device Package	780-FBGA (29x29)	780-FBGA (29x29)	1508-FBGA, FC (40x40)	1508-FBGA, FC (40x40)
Package	Tray	Tray	Tray	Tray
Total RAM Bits	4520488	4520488	6747840	4520488
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Operating Temperature	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)
Series	Stratix® II	Stratix® II	Stratix® II GX	Stratix® II
Number of Logic Elements/Cells	90960	90960	132540	90960
Base Product Number	EP2S90	EP2S90	EP2SGX130	EP2S90

EP2S90F780I4N Datasheet PDF

Download EP2S90F780I4N pdf datasheets and Intel documentation for EP2S90F780I4N - Intel.

Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Stratix II Device Handbook.pdf](#)
- [780-FBGA Pkg Info.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 4/Dec/2020.pdf](#)

PCN Assembly/Origin






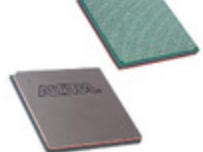












- [2.73KHz.pdf](#)

PCN Other

PCN Part Status Change

Customers Also Interested in

Recommended Products

 EP2S90F780I4 Intel IC FPGA 534 I/O 780FBGA	 EP2SGX130GF1508I4 Intel IC FPGA 734 I/O 1508FBGA	 EP2S90F1508C4N Intel IC FPGA 902 I/O 1508FBGA	 EP2S90F1508I4N Intel IC FPGA 902 I/O 1508FBGA	 EP2SGX130GF1508C3N Intel IC FPGA 734 I/O 1508FBGA	 EP2S90F1020I4N Intel IC FPGA 758 I/O 1020FBGA
 EP2S90F780C5N Intel IC FPGA 534 I/O 780FBGA	 EP2S90F1020I5N Altera (Intel)	 EP2SGX130GF1508C5 Intel IC FPGA 734 I/O 1508FBGA	 EP2SGX130GF1508C4N Intel IC FPGA 734 I/O 1508FBGA	 EP2S90F1508C5N Intel IC FPGA 902 I/O 1508FBGA	 EP2SGX130GF1508C3 Intel IC FPGA 734 I/O 1508FBGA
 EP2SGX130GF1508C5N Intel IC FPGA 734 I/O 1508FBGA	 EP2SGX125GF1508C4 Altera (Intel)	 EP2S90F1508I4 Intel IC FPGA 902 I/O 1508FBGA	 EP2S90F1508C3N Intel IC FPGA 902 I/O 1508FBGA	 EP2S90H484C5 Intel IC FPGA 308 I/O 484HBGA	 EP2S90F1508C4 Intel IC FPGA 902 I/O 1508FBGA

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
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Contact us if you have any questions.

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Certifications & Memberships

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