

Image may be representation.
See specifications for product details.



EP2S90F1020C4N

Manufacturer Part Number **EP2S90F1020C4N**

Manufacturer **Intel**

Allelco Part Number **32D-EP2S90F1020C4N**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 758 I/O 1020FBGA**

Package **1020-BBGA**

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

[Stratix II Device Handbook.pdf](#)

[896-FBGA Pkg Info.pdf](#)

RoHs Status **RoHS Compliant**

Get a Quote

EP2S90F1020C4N - Intel.New Original in Stock. Download Linear Technology EP2S90F1020C4N datasheet/specifications on AllelcoElec.com.
Request a quote for EP2S90F1020C4N, please send us email: info@allelco.com

Specifications

EP2S90F1020C4N Tech Specifications

EP2S90F1020C4N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°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	1020-FBGA (33x33)	Number of I/O	758
Series	Stratix® II	Mounting Type	Surface Mount
Package / Case	1020-BBGA	Base Product Number	EP2S90
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP2S90F1020C4N

Product Attribute				
Part Number	EP2S90F1020C4N	EP2S60F672C5N	EP2S90F1020C5N	EP2S60F672C5
Manufacturer	Intel	Intel	Intel	Intel
Number of I/O	758	492	758	492
Supplier Device Package	1020-FBGA (33x33)	672-FBGA (27x27)	1020-FBGA (33x33)	672-FBGA (27x27)
Number of LABs/CLBs	4548	3022	4548	3022
Package / Case	1020-BBGA	672-BBGA	1020-BBGA	672-BBGA
Number of Logic Elements/Cells	90960	60440	90960	60440
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Total RAM Bits	4520488	2544192	4520488	2544192
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	Stratix® II	Stratix® II	Stratix® II	Stratix® II
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Package	Tray	Tray	Tray	Tray
Base Product Number	EP2S90	EP2S60	EP2S90	EP2S60

EP2S90F1020C4N Datasheet PDF

Download EP2S90F1020C4N pdf datasheets and Intel documentation for EP2S90F1020C4N - Intel.

Datasheets



[Virtual JTAG Megafuntion Guide.pdf](#)



[Stratix II Device Handbook.pdf](#)



[896-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



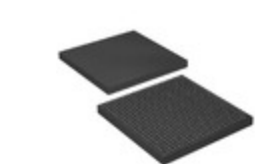
[2.73KHz.pdf](#)

PCN Other

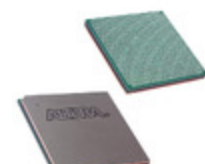
PCN Part Status Change

Customers Also Interested in

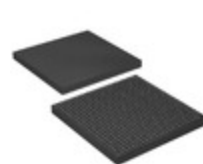
Recommended Products



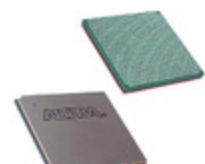
EP2S60F672C5N
Intel
IC FPGA 492 I/O 672FBGA



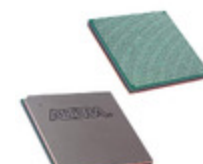
EP2S90F1020C5N
Intel
IC FPGA 758 I/O 1020FBGA



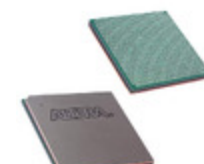
EP2S60F672C5
Intel
IC FPGA 492 I/O 672FBGA



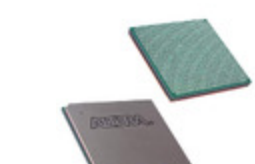
EP2S90F1020C3N
Intel
IC FPGA 758 I/O 1020FBGA



EP2S90F1020C4
Intel
IC FPGA 758 I/O 1020FBGA



EP2S90F1020C3
Intel
IC FPGA 758 I/O 1020FBGA



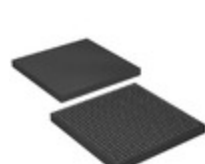
EP2S90F1020I4
Intel
IC FPGA 758 I/O 1020FBGA



EP2S90F1508C5N
Intel
IC FPGA 902 I/O 1508FBGA



EP2S90F1020C3N
Altera
IC FPGA 758 I/O 1020FBGA



EP2S60F672I4
Intel
IC FPGA 492 I/O 672FBGA



EP2S90F1508C3N
Intel
IC FPGA 902 I/O 1508FBGA



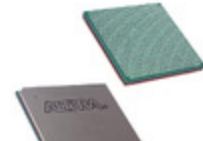
EP2S90F1020C5
Altera
IC FPGA 758 I/O 1020FBGA



EP2S60F672I5N
Intel
IC FPGA 492 I/O 672FBGA



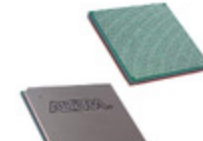
EP2S90F1508C4N
Intel
IC FPGA 902 I/O 1508FBGA



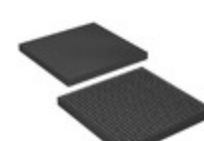
EP2S90F1020C5
Intel
IC FPGA 758 I/O 1020FBGA



EP2S90F1508C4
Intel
IC FPGA 902 I/O 1508FBGA



EP2S90F1020I4N
Intel
IC FPGA 758 I/O 1020FBGA



EP2S60F672I4N
Intel
IC FPGA 492 I/O 672FBGA

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

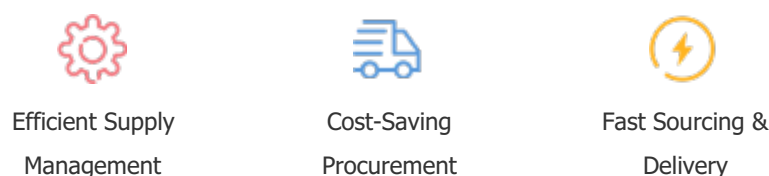
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

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



View More

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