



Image may be representation.  
See specifications for product details.



## EP2C70F896C8

Manufacturer Part Number	<b>EP2C70F896C8</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP2C70F896C8
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 622 I/O 896FBGA
Package	896-BGA
Data sheet	<b>Virtual JTAG Megafuntion Guide.pdf</b> <b>896-FBGA Pkg Info.pdf</b>

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EP2C70F896C8 - Intel.New Original in Stock. Download Linear Technology EP2C70F896C8 datasheet/specifications on AllelcoElec.com.  
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### Specifications

EP2C70F896C8 Tech Specifications

EP2C70F896C8 - 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	68416
Total RAM Bits	1152000	Number of LABs/CLBs	4276
Supplier Device Package	896-FBGA (31x31)	Number of I/O	622
Series	Cyclone® II	Mounting Type	Surface Mount
Package / Case	896-BGA	Base Product Number	EP2C70
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP2C70F896C8

Product Attribute				
Part Number	EP2C70F896C8	EP2C70F896I8	EP2C70F896C8N	EP2C70F672C8N
Manufacturer	Intel	Intel	Intel	Intel
Base Product Number	EP2C70	EP2C70	EP2C70	EP2C70
Number of I/O	622	622	622	422
Package / Case	896-BGA	896-BGA	896-BGA	672-BGA
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Number of Logic Elements/Cells	68416	68416	68416	68416
Series	Cyclone® II	Cyclone® II	Cyclone® II	Cyclone® II
Total RAM Bits	1152000	1152000	1152000	1152000
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Package	Tray	Tray	Tray	Tray
Supplier Device Package	896-FBGA (31x31)	896-FBGA (31x31)	896-FBGA (31x31)	672-FBGA (27x27)
Number of LABs/CLBs	4276	4276	4276	4276
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### EP2C70F896C8 Datasheet PDF

Download EP2C70F896C8 pdf datasheets and Intel documentation for EP2C70F896C8 - Intel.

#### Datasheets

Virtual JTAG Megafuntion Guide.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

### Customers Also Interested in

#### Recommended Products

**EP2C70F896I8**  
Intel  
IC FPGA 622 I/O 896FBGA

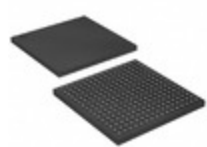
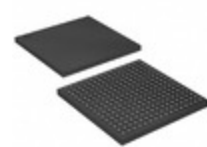
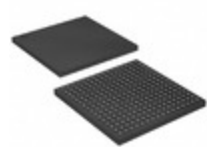
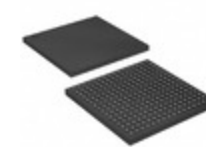
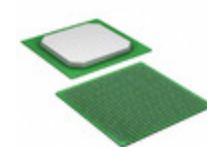
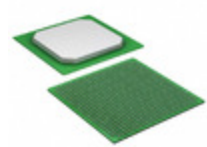
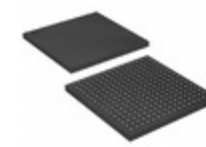
**EP2C70F896C8N**  
Intel  
IC FPGA 622 I/O 896FBGA

**EP2C70F672C8N**  
Intel  
IC FPGA 422 I/O 672FBGA

**EP2C70F672C8**  
Intel  
IC FPGA 422 I/O 672FBGA

**EP2C70F896I7N**

**EP2C70F672I8**  
Intel  
IC FPGA 422 I/O 672FBGA

**EP2C8AF256I8N**Intel  
IC FPGA 182 I/O 256FBGA**EP2C8F256C6**Intel  
IC FPGA 182 I/O 256FBGA**EP2C8F256C6N**Intel  
IC FPGA 182 I/O 256FBGA**EP2C70F896I8N**Intel  
IC FPGA 622 I/O 896FBGA**EP2C8AF256A7N**Intel  
IC FPGA 182 I/O 256FBGA**EP2C70F672I8N**Intel  
IC FPGA 422 I/O 672FBGA**EP2C70F672C7N**Intel  
IC FPGA 422 I/O 672FBGA**EP2C70F896C7**Intel  
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IC FPGA 622 I/O 896FBGA**EP2C8F256C7**Intel  
IC FPGA 182 I/O 256FBGA**EP2C70F896C6**Intel  
IC FPGA 622 I/O 896FBGA

## 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  
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Contact us if you have any questions.

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### Certifications & Memberships



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