

Image may be representation.  
See specifications for product details.



## EP1S20F780C5N

Manufacturer Part Number	<b>EP1S20F780C5N</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP1S20F780C5N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 586 I/O 780FBGA
Package	780-BBGA, FCBGA
Data sheet	<a href="#">Virtual JTAG Megafuntion Guide.pdf</a> <a href="#">780-FBGA Pkg Info.pdf</a> <a href="#">Stratix Device Datasheet.pdf</a> <a href="#">Stratix Device Handbook.pdf</a>

**Get a Quote**

EP1S20F780C5N - Intel.New Original in Stock. Download Linear Technology EP1S20F780C5N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP1S20F780C5N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

EP1S20F780C5N Tech Specifications

EP1S20F780C5N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	1.425V ~ 1.575V	Number of Logic Elements/Cells	18460
Total RAM Bits	1669248	Number of LABs/CLBs	1846
Supplier Device Package	780-FBGA (29x29)	Number of I/O	586
Series	Stratix®	Mounting Type	Surface Mount
Package / Case	780-BBGA, FCBGA	Base Product Number	EP1S20
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP1S20F780C5N

Product Attribute				
Part Number	EP1S20F780C5N	EP1S20F780C6	EP1S20F780I6N	EP1S20F484I6N
Manufacturer	Intel	Intel	Intel	Intel
Voltage - Supply	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V
Package / Case	780-BBGA, FCBGA	780-BBGA, FCBGA	780-BBGA, FCBGA	484-BBGA, FCBGA
Number of LABs/CLBs	1846	1846	1846	1846
Number of I/O	586	586	586	361
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Series	Stratix®	Stratix®	Stratix®	Stratix®
Base Product Number	EP1S20	EP1S20	EP1S20	EP1S20
Supplier Device Package	780-FBGA (29x29)	780-FBGA (29x29)	780-FBGA (29x29)	484-FBGA (23x23)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Total RAM Bits	1669248	1669248	1669248	1669248
Number of Logic Elements/Cells	18460	18460	18460	18460
Package	Tray	Tray	Tray	Tray

### EP1S20F780C5N Datasheet PDF

Download EP1S20F780C5N pdf datasheets and Intel documentation for EP1S20F780C5N - Intel.

#### Datasheets

Virtual JTAG Megafuntion Guide.pdf

780-FBGA Pkg Info.pdf

Stratix Device Datasheet.pdf

Stratix Device Handbook.pdf

#### PCN Packaging

All Dev Pkg Chg 1/Aug/2018.pdf

Mult Dev Dessicant Chg 19/Jul/2019.pdf

#### PCN Design/Specification

Mult Series Software Chgs 26/Mar/2020.pdf

Package Height 03/March/2008.pdf

#### PCN Obsolescence/ EOL

Cylindrical Battery Holders.pdf

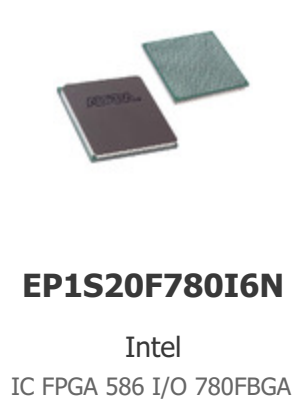
### Customers Also Interested in

#### Recommended Products



**EP1S20F780C6**

Intel  
IC FPGA 586 I/O 780FBGA



**EP1S20F780I6N**

Intel  
IC FPGA 586 I/O 780FBGA



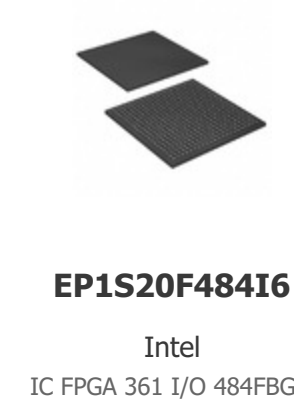
**EP1S20F484I6N**

Intel  
IC FPGA 361 I/O 484FBGA



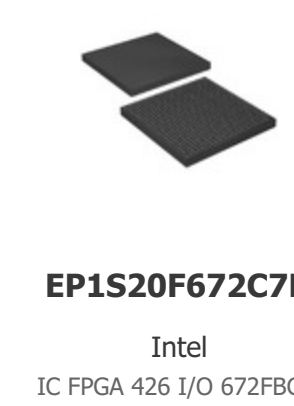
**EP1S25F1020C6**

Intel  
IC FPGA 706 I/O 1020FBGA



**EP1S20F484I6**

Intel  
IC FPGA 361 I/O 484FBGA



**EP1S20F672C7N**

Intel  
IC FPGA 426 I/O 672FBGA



**EP1S25F1020C5N**

Intel  
IC FPGA 706 I/O 1020FBGA



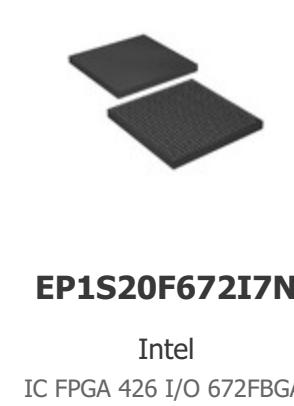
**EP1S20F780C7**

Intel  
IC FPGA 586 I/O 780FBGA



**EP1S20F780C5**

Intel  
IC FPGA 586 I/O 780FBGA



**EP1S20F672I7N**

Intel  
IC FPGA 426 I/O 672FBGA



**EP1S20F484C7**

Intel  
IC FPGA 361 I/O 484FBGA



**EP1S20F672I7**

Intel  
IC FPGA 426 I/O 672FBGA



**EP1S20F672C6N**

Intel  
IC FPGA 426 I/O 672FBGA



**EP1S20F672C7**

Intel  
IC FPGA 426 I/O 672FBGA



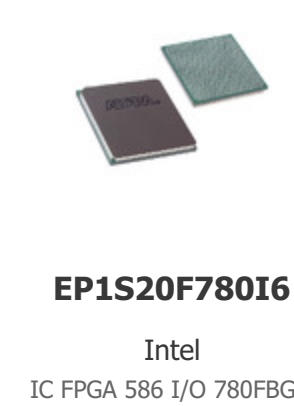
**EP1S25F1020C5**

Intel  
IC FPGA 706 I/O 1020FBGA



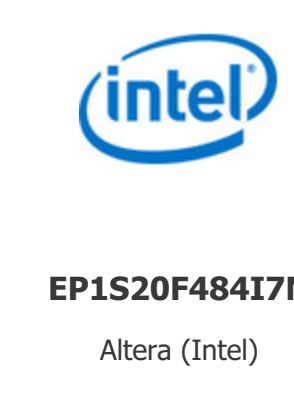
**EP1S20F780C7N**

Intel  
IC FPGA 586 I/O 780FBGA



**EP1S20F780I6**

Intel  
IC FPGA 586 I/O 780FBGA



**EP1S20F484I7N**

Altera (Intel)

## 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.

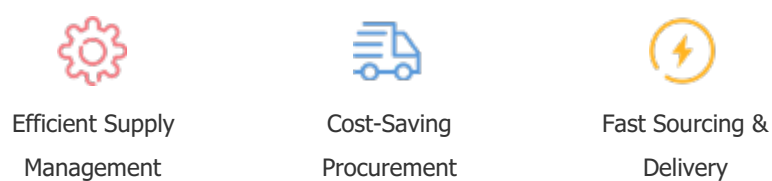
## Payment Support

The payment method can be chosen from the methods shown below:

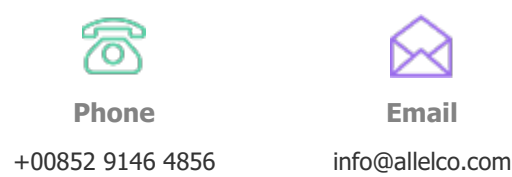
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



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