

Image may be representation.
See specifications for product details.



EP1C20F400I7N

Manufacturer Part Number	EP1C20F400I7N
Manufacturer	Intel
Allelco Part Number	32D-EP1C20F400I7N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 301 I/O 400FBGA
Package	400-BGA
Data sheet	Virtual JTAG Megafuntion Guide.pdf 400-FBGA Pkg Info.pdf Cyclone FPGA Family.pdf

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EP1C20F400I7N - Intel.New Original in Stock. Download Linear Technology EP1C20F400I7N datasheet/specifications on AllelcoElec.com.
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Specifications

EP1C20F400I7N Tech Specifications

EP1C20F400I7N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	1.425V ~ 1.575V	Number of Logic Elements/Cells	20060
Total RAM Bits	294912	Number of LABs/CLBs	2006
Supplier Device Package	400-FBGA (21x21)	Number of I/O	301
Series	Cyclone®	Mounting Type	Surface Mount
Package / Case	400-BGA	Base Product Number	EP1C20
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP1C20F400I7N

Product Attribute				
Part Number	EP1C20F400I7N	EP1C20F400C7	EP1C20F400C7N	EP1C3T144C6
Manufacturer	Intel	Intel	Intel	Intel
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Number of I/O	301	301	301	104
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	Cyclone®	Cyclone®	Cyclone®	Cyclone®
Total RAM Bits	294912	294912	294912	59904
Package	Tray	Tray	Tray	Tray
Voltage - Supply	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V
Number of LABs/CLBs	2006	2006	2006	291
Package / Case	400-BGA	400-BGA	400-BGA	144-LQFP
Supplier Device Package	400-FBGA (21x21)	400-FBGA (21x21)	400-FBGA (21x21)	144-TQFP (20x20)
Base Product Number	EP1C20	EP1C20	EP1C20	EP1C3
Number of Logic Elements/Cells	20060	20060	20060	2910

EP1C20F400I7N Datasheet PDF

Download EP1C20F400I7N pdf datasheets and Intel documentation for EP1C20F400I7N - Intel.

Datasheets

[Virtual JTAG Megafuntion Guide.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](#)

[Mult Dev Substrate Material Chg 25/Aug/2017.pdf](#)

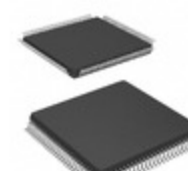
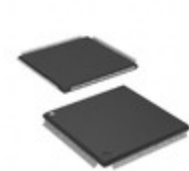
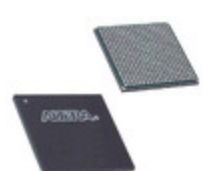
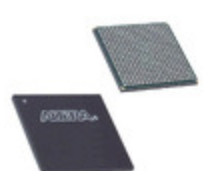
HTML Datasheet

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

[Cyclone FPGA Family.pdf](#)

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Recommended Products



EP1C20F400C7
Intel
IC FPGA 301 I/O 400FBGA

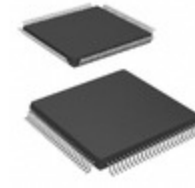
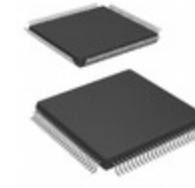
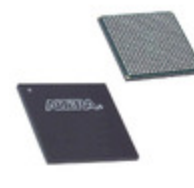
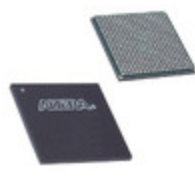
EP1C20F400C7N
Intel
IC FPGA 301 I/O 400FBGA

EP1C20F400I6
Altera (Intel)

EP1C20F400C6L
Altera (Intel)

EP1C3T144C6
Intel
IC FPGA 104 I/O 144TQFP

EP1C3T100C8
Intel
IC FPGA 65 I/O 100TQFP



EP1C3T100C8N

Intel
IC FPGA 65 I/O 100TQFP

EP1C20F400I6N

Altera (Intel)

EP1C20F400C8N

Intel
IC FPGA 301 I/O 400FBGA

EP1C20F400C6N

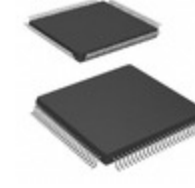
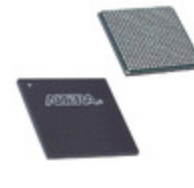
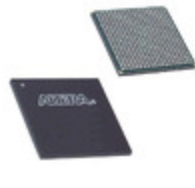
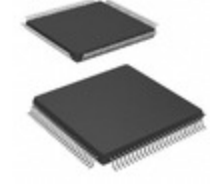
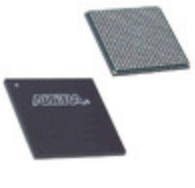
Intel
IC FPGA 301 I/O 400FBGA

EP1C3T100I7N

Intel
IC FPGA 65 I/O 100TQFP

EP1C3T100C6N

Intel
IC FPGA 65 I/O 100TQFP



EP1C20F400C8

Intel
IC FPGA 301 I/O 400FBGA

EP1C3T100C7

Intel
IC FPGA 65 I/O 100TQFP

EP1C20F400C6

Intel
IC FPGA 301 I/O 400FBGA

EP1C20F400I7

Intel
IC FPGA 301 I/O 400FBGA

EP1C3T100C7N

Intel
IC FPGA 65 I/O 100TQFP

EP1C3T100C8L

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 -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone
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- Email
info@allelco.com

Certifications & Memberships



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Contact us

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