

Image may be representation.
See specifications for product details.



EP3C5F256C6N

Manufacturer Part Number	EP3C5F256C6N
Manufacturer	Intel
Allelco Part Number	32D-EP3C5F256C6N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 182 I/O 256FBGA
Package	256-LBGA
Data sheet	Virtual JTAG Megafuntion Guide.pdf Cyclone III Family Overview.pdf Cyclone III_Design Guidelines.pdf Cyclone III Datasheet.pdf
RoHS Status	RoHS Compliant

Get a Quote

EP3C5F256C6N - Intel.New Original in Stock. Download Linear Technology EP3C5F256C6N datasheet/specifications on AllelcoElec.com.
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Specifications

EP3C5F256C6N Tech Specifications

EP3C5F256C6N - 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	5136
Total RAM Bits	423936	Number of LABs/CLBs	321
Supplier Device Package	256-FBGA (17x17)	Number of I/O	182
Series	Cyclone® III	Mounting Type	Surface Mount
Package / Case	256-LBGA	Base Product Number	EP3C5
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP3C5F256C6N

Product Attribute				
Part Number	EP3C5F256C6N	EP3C5F256C7N	EP3C5F256C8	EP3C5E144A7N
Manufacturer	Intel	Intel	Intel	Intel
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 125°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Total RAM Bits	423936	423936	423936	423936
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Number of I/O	182	182	182	94
Package	Tray	Tray	Tray	Tray
Number of Logic Elements/Cells	5136	5136	5136	5136
Base Product Number	EP3C5	EP3C5	EP3C5	EP3C5
Supplier Device Package	256-FBGA (17x17)	256-FBGA (17x17)	256-FBGA (17x17)	144-EQFP (20x20)
Number of LABs/CLBs	321	321	321	321
Package / Case	256-LBGA	256-LBGA	256-LBGA	144-LQFP Exposed Pad
Series	Cyclone® III	Cyclone® III	Cyclone® III	Cyclone® III

EP3C5F256C6N Datasheet PDF

Download EP3C5F256C6N pdf datasheets and Intel documentation for EP3C5F256C6N - Intel.

Datasheets

[Virtual JTAG Megafuntion Guide.pdf](#)

[Cyclone III Family Overview.pdf](#)

[Cyclone III_Design Guidelines.pdf](#)

[Cyclone III Datasheet.pdf](#)

PCN Design/Specification

[Mult Series Software Chgs 26/Mar/2020.pdf](#)

[Substrate/Wire 10/Jun/2010.pdf](#)

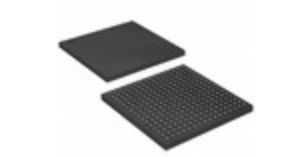
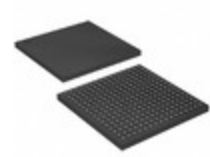
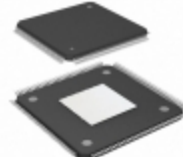
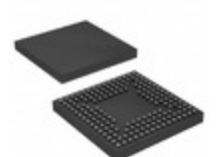
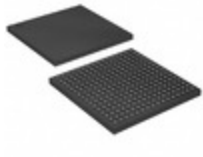
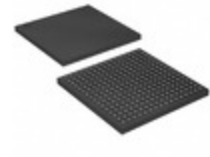
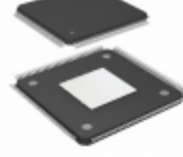
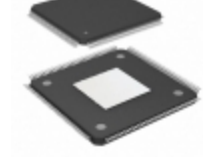
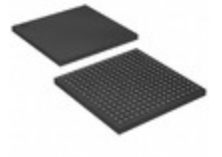
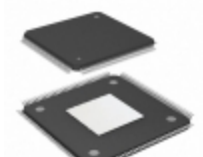
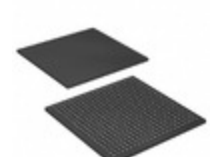
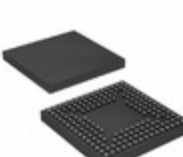
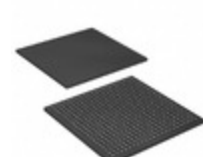
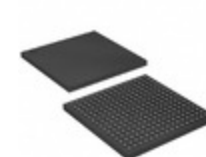
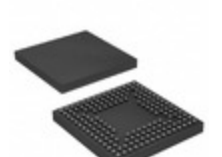
PCN Packaging

[Mult Dev Label CHG 24/Jan/2020.pdf](#)

[Mult Dev Label Chgs 24/Feb/2020.pdf](#)

Customers Also Interested in

Recommended Products

**EP3C5F256C7N**Intel
IC FPGA 182 I/O 256FBGA**EP3C5F256C8**Intel
IC FPGA 182 I/O 256FBGA**EP3C5E144A7N**Intel
IC FPGA 94 I/O 144EQFP**EP3C55F780C7N**Intel
IC FPGA 377 I/O 780FBGA**EP3C55F780C8N**Intel
IC FPGA 377 I/O 780FBGA**EP3C5M164C8N**Intel
IC FPGA 106 I/O 164MBGA**EP3C5U256I7N**Intel
IC FPGA 182 I/O 256UBGA**EP3C5F256I7**Intel
IC FPGA 182 I/O 256FBGA**EP3C5E144I7N**Intel
IC FPGA 94 I/O 144EQFP**EP3C5E144C8N**Intel
IC FPGA 94 I/O 144EQFP**EP3C55F780I7N**Intel
IC FPGA 377 I/O 780FBGA**EP3C5F256C8N**Intel
IC FPGA 182 I/O 256FBGA**EP3C5E144C7N**Intel
IC FPGA 94 I/O 144EQFP**EP3C80F484C6N**Intel
IC FPGA 295 I/O 484FBGA**EP3C5M164C7N**Intel
IC FPGA 106 I/O 164MBGA**EP3C55U484I7N**Intel
IC FPGA 327 I/O 484UBGA**EP3C5F256I7N**Intel
IC FPGA 182 I/O 256FBGA**EP3C5M164I7N**Intel
IC FPGA 106 I/O 164MBGA

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.



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+00852 9146 4856



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Certifications & Memberships



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