

Image may be representation.
See specifications for product details.



EP3C5M164C7N

Manufacturer Part Number	EP3C5M164C7N
Manufacturer	Intel
Allelco Part Number	32D-EP3C5M164C7N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 106 I/O 164MBGA
Package	164-TFBGA
Data sheet	Virtual JTAG Megafuntion Guide.pdf Cyclone III Device Handbook Vol2.pdf Cyclone III Device Handbook Vol2.pdf Cyclone III Family Overview.pdf Cyclone III Datasheet.pdf
RoHs Status	RoHS Compliant

Get a Quote

EP3C5M164C7N - Intel.New Original in Stock. Download Linear Technology EP3C5M164C7N datasheet/specifications on AllelcoElec.com.
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Specifications

EP3C5M164C7N Tech Specifications

EP3C5M164C7N - 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	164-MBGA (8x8)	Number of I/O	106
Series	Cyclone® III	Mounting Type	Surface Mount
Package / Case	164-TFBGA	Base Product Number	EP3C5
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP3C5M164C7N

Product Attribute				
Part Number	EP3C5M164C7N	EP3C5M164I7N	EP3C5F256C8N	EP3C5E144I7N
Manufacturer	Intel	Intel	Intel	Intel
Number of LABs/CLBs	321	321	321	321
Number of Logic Elements/Cells	5136	5136	5136	5136
Package / Case	164-TFBGA	164-TFBGA	256-LBGA	144-LQFP Exposed Pad
Package	Tray	Tray	Tray	Tray
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)
Total RAM Bits	423936	423936	423936	423936
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	EP3C5	EP3C5	EP3C5	EP3C5
Number of I/O	106	106	182	94
Supplier Device Package	164-MBGA (8x8)	164-MBGA (8x8)	256-FBGA (17x17)	144-EQFP (20x20)
Series	Cyclone® III	Cyclone® III	Cyclone® III	Cyclone® III

EP3C5M164C7N Datasheet PDF

Download EP3C5M164C7N pdf datasheets and Intel documentation for EP3C5M164C7N - Intel.

Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Cyclone III Device Handbook Vol2.pdf](#)
- [Cyclone III Family Overview.pdf](#)
- [Cyclone III Datasheet.pdf](#)

PCN Design/Specification

- [Mult Series Software Chgs 26/Mar/2020.pdf](#)
- [Cyclone Material Chgs 15/Jul/2016.pdf](#)

PCN Packaging

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

HTML Datasheet

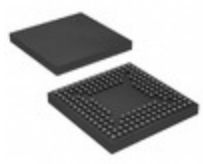
- [Cyclone III Device Handbook Vol2.pdf](#)

PCN Assembly/Origin

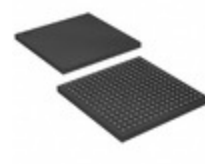


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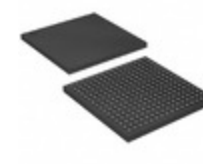
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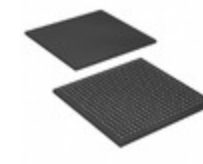
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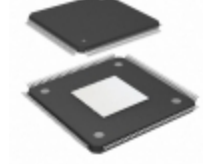
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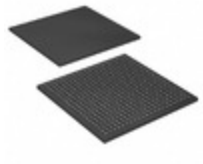
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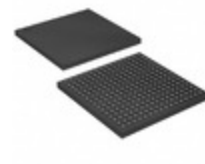
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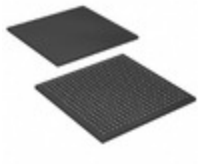
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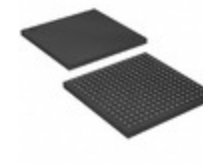
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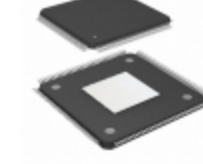
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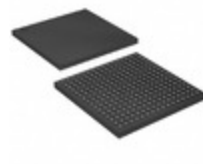
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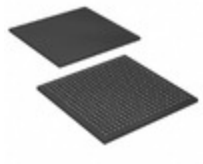
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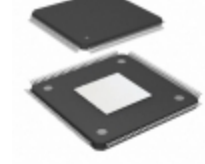
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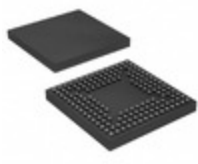
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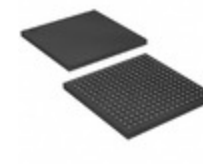
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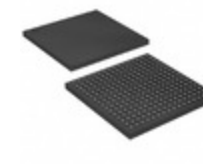
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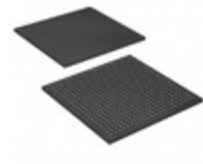
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Intel
IC FPGA 106 I/O 164MBGA



EP3C5F256I7
Intel
IC FPGA 182 I/O 256FBGA



EP3C5F256C8
Intel
IC FPGA 182 I/O 256FBGA



EP3C80F484I7
Intel
IC FPGA 295 I/O 484FBGA

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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