

Image may be representation.
See specifications for product details.



EP4CGX50CF23C6N

Manufacturer Part Number **EP4CGX50CF23C6N**

Manufacturer **Intel**

Allelco Part Number **32D-EP4CGX50CF23C6N**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 290 I/O 484FBGA**

Package **484-BGA**

Data sheet [Virtual JTAG Megafuntion Guide.pdf](#)

[Cyclone IV Device Datasheet.pdf](#)

[Cyclone IV Device Handbook.pdf](#)

RoHs Status **RoHS Compliant**

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EP4CGX50CF23C6N - Intel.New Original in Stock. Download Linear Technology EP4CGX50CF23C6N datasheet/specifications on AllelcoElec.com.
Request a quote for EP4CGX50CF23C6N, please send us email: info@allelco.com

Specifications

EP4CGX50CF23C6N Tech Specifications

EP4CGX50CF23C6N - Intel technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|------------------|--------------------------------|-----------------|
| Manufacturer | Intel | Operating Temperature | 0°C ~ 85°C (TJ) |
| Voltage - Supply | 1.16V ~ 1.24V | Number of Logic Elements/Cells | 49888 |
| Total RAM Bits | 2562048 | Number of LABs/CLBs | 3118 |
| Supplier Device Package | 484-FBGA (23x23) | Number of I/O | 290 |
| Series | Cyclone® IV GX | Mounting Type | Surface Mount |
| Package / Case | 484-BGA | Base Product Number | EP4CGX50 |
| Package | Tray | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4CGX50CF23C6N

| Product Attribute | | | | |
|--------------------------------|------------------|------------------|------------------|--------------------|
| Part Number | EP4CGX50CF23C6N | EP4CGX75DF27C7N | EP4CGX30CF19C8N | EP4CGX22CF19I7N |
| Manufacturer | Intel | Intel | Intel | Intel |
| Package | Tray | Tray | Tray | Tray |
| Number of I/O | 290 | 310 | 150 | 150 |
| Total RAM Bits | 2562048 | 4257792 | 1105920 | 774144 |
| Number of LABs/CLBs | 3118 | 4620 | 1840 | 1330 |
| Number of Logic Elements/Cells | 49888 | 73920 | 29440 | 21280 |
| Series | Cyclone® IV GX | Cyclone® IV GX | Cyclone® IV GX | Cyclone® IV GX |
| Package / Case | 484-BGA | 672-BGA | 324-LBGA | 324-LBGA |
| Supplier Device Package | 484-FBGA (23x23) | 672-FBGA (27x27) | 324-FBGA (19x19) | 324-FBGA (19x19) |
| Operating Temperature | 0°C ~ 85°C (TJ) | 0°C ~ 85°C (TJ) | 0°C ~ 85°C (TJ) | -40°C ~ 100°C (TJ) |
| Voltage - Supply | 1.16V ~ 1.24V | 1.16V ~ 1.24V | 1.16V ~ 1.24V | 1.16V ~ 1.24V |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Base Product Number | EP4CGX50 | EP4CGX75 | EP4CGX30 | EP4CGX22 |

EP4CGX50CF23C6N Datasheet PDF

Download EP4CGX50CF23C6N pdf datasheets and Intel documentation for EP4CGX50CF23C6N - Intel.

Datasheets



[Virtual JTAG Megafuntion Guide.pdf](#)



[Cyclone IV Device Datasheet.pdf](#)



[Cyclone IV Device Handbook.pdf](#)

PCN Packaging



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



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

PCN Design/Specification



[Quartus SW/Web Chgs 23/Sep/2021.pdf](#)



[Mult Dev Software Chgs 3/Jun/2021.pdf](#)

Errata



[Cyclone IV Device Family Errata.pdf](#)

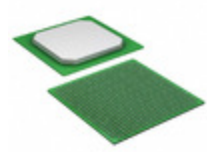
PCN Assembly/Origin



[Cyclone IV Assembly Site Add 29/Apr/2016.pdf](#)

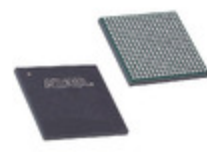
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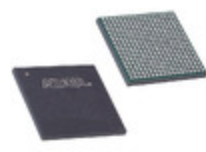
EP4CGX75DF27C7N

Intel
IC FPGA 310 I/O 672FBGA



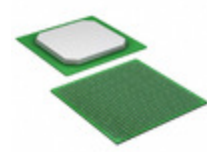
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Intel
IC FPGA 150 I/O 324FBGA



EP4CGX22CF19I7N

Intel
IC FPGA 150 I/O 324FBGA



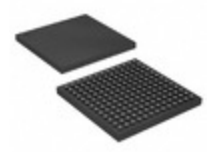
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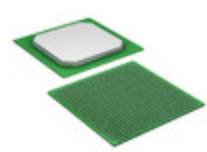
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IC FPGA 290 I/O 484FBGA



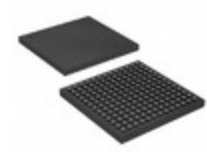
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Intel
IC FPGA 72 I/O 169FBGA



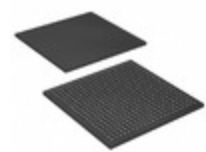
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Intel
IC FPGA 310 I/O 672FBGA



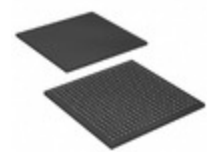
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Intel
IC FPGA 72 I/O 169FBGA



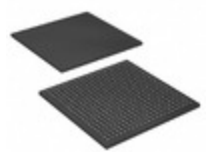
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Intel
IC FPGA 290 I/O 484FBGA



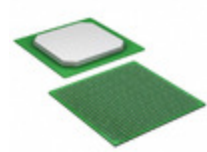
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Intel
IC FPGA 290 I/O 484FBGA



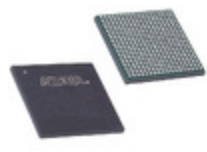
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Intel
IC FPGA 290 I/O 484FBGA



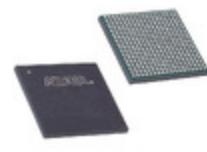
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Intel
IC FPGA 310 I/O 672FBGA



EP4CGX22CF19C8N

Intel
IC FPGA 150 I/O 324FBGA



EP4CGX22CF19C7N

Intel
IC FPGA 150 I/O 324FBGA



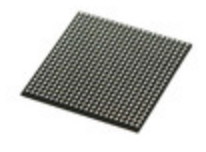
EP4CGX50CF23I7

Intel
IC FPGA 290 I/O 484FBGA



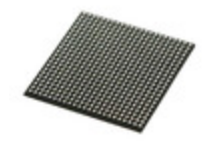
EP4CGX30CF23I7N

Intel
IC FPGA 290 I/O 484FBGA



EP4CGX30CF23C8N

Intel
IC FPGA 290 I/O 484FBGA



EP4CGX50CF23C8N

Intel
IC FPGA 290 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.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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