




XC2C512-10PQ208I

| | |
|--------------------------|---|
| Manufacturer Part Number | XC2C512-10PQ208I |
| Manufacturer | AMD Xilinx |
| Allelco Part Number | 32D-XC2C512-10PQ208I |
| ECAD Model |  Request Free CAD Models |
| Parts Description | IC CPLD 512MC 9.2NS 208QFP |
| Package | 208-BFQFP |
| Data sheet | XC2C512 Datasheet.pdf |



Get a Quote

XC2C512-10PQ208I - AMD.New Original in Stock. Download Linear Technology XC2C512-10PQ208I datasheet/specifications on AllelcoElec.com.
Request a quote for XC2C512-10PQ208I, please send us email: info@allelco.com





Specifications

XC2C512-10PQ208I Tech Specifications
XC2C512-10PQ208I - AMD technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|---------------------------|------------------------|---------------------------------|-----------------|
| Manufacturer | AMD Xilinx | Number of Macrocells | 512 |
| Voltage Supply - Internal | 1.7V ~ 1.9V | Number of Logic Elements/Blocks | 32 |
| Supplier Device Package | 208-PQFP (28x28) | Number of I/O | 173 |
| Series | CoolRunner II | Number of Gates | 12000 |
| Programmable Type | In System Programmable | Mounting Type | Surface Mount |
| Package / Case | 208-BFQFP | Delay Time tpd(1) Max | 9.2 ns |
| Package | Tray | Base Product Number | XC2C512 |
| Operating Temperature | -40°C ~ 85°C (TA) | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XC2C512-10PQ208I

| Product Attribute |  NO PICTURE |  |  |  |
|---------------------------------|---|---|---|---|
| Part Number | XC2C512-10PQ208I | XC2C512-10FG324I | XC2C512-10FG324C | XC2C512-10FT256C |
| Manufacturer | AMD | AMD | AMD | AMD |
| Number of I/O | 173 | 270 | 270 | 212 |
| Number of Logic Elements/Blocks | 32 | 32 | 32 | 32 |
| Package / Case | 208-BFQFP | 324-BBGA | 324-BBGA | 256-LBGA |
| Number of Gates | 12000 | 12000 | 12000 | 12000 |
| Base Product Number | XC2C512 | XC2C512 | XC2C512 | XC2C512 |
| Series | CoolRunner II | CoolRunner II | CoolRunner II | CoolRunner II |
| Voltage Supply - Internal | 1.7V ~ 1.9V | 1.7V ~ 1.9V | 1.7V ~ 1.9V | 1.7V ~ 1.9V |
| Delay Time tpd(1) Max | 9.2 ns | 9.2 ns | 9.2 ns | 9.2 ns |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Supplier Device Package | 208-PQFP (28x28) | 324-FBGA (23x23) | 324-FBGA (23x23) | 256-FTBGA (17x17) |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | 0°C ~ 70°C (TA) | 0°C ~ 70°C (TA) |
| Programmable Type | In System Programmable | In System Programmable | In System Programmable | In System Programmable |
| Package | Tray | Tray | Tray | Tray |
| Number of Macrocells | 512 | 512 | 512 | 512 |


XC2C512-10PQ208I Datasheet PDF

Download XC2C512-10PQ208I pdf datasheets and AMD documentation for XC2C512-10PQ208I - AMD.

PCN Assembly/Origin

 [Mult Dev LeadFrame Chg 29/Oct/2018.pdf](#)


Environmental Information

 [Xilinx REACH211 Cert.pdf](#)


Design Resources

 [CoolRunner-II CPLD Designer Guide.pdf](#)

PCN Obsolescence/ EOL


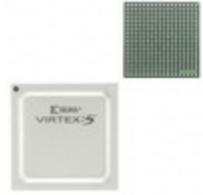



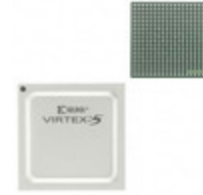












 [Mult Dev EOL 17/May/2021.pdf](#)

HTML Datasheet

 [XC2C512 Datasheet.pdf](#)

Customers Also Interested in

Recommended Products

| | | | | | |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| XC2C512-10FG324I | XC2C512-10FG324C | XC2C512-10FT256C | XC2C512-7FT256I | XC2C512-10FT256I | XC2C512-7FGG324C |
| AMD IC CPLD 512MC 9.2NS 324FBGA | AMD IC CPLD 512MC 9.2NS 324FBGA | AMD IC CPLD 512MC 9.2NS 256FTBGA | AMD IC CPLD 512MC 7.1NS 256FTBGA | AMD IC CPLD 512MC 9.2NS 256FTBGA | AMD IC CPLD 512MC 7.1NS 324FBGA |
|  |  |  |  |  |  |
| XC2C512-7FT256C | XC2C512-7FG324C | XC2C512-10PQG208C | XC2C512-10PQG208I | XC2C384-7FTG256C | XC2C512-7FTG256C |
| AMD IC CPLD 512MC 7.1NS 256FTBGA | AMD IC CPLD 512MC 7.1NS 324FBGA | AMD IC CPLD 512MC 9.2NS 208QFP | AMD IC CPLD 512MC 9.2NS 208QFP | AMD IC CPLD 384MC 7.1NS 256FTBGA | AMD IC CPLD 512MC 7.1NS 256FTBGA |
|  |  |  |  |  |  |
| XC2C512-10FTG256I | XC2C384-7TQG144C | XC2C384-7FT256C | XC2C512-10FTG256C | XC2C512-10FGG324I | XC2C512-7FTG256I |
| AMD IC CPLD 512MC 9.2NS 256FTBGA | AMD IC CPLD 384MC 7.1NS 144TQFP | AMD IC CPLD 384MC 7.1NS 256FTBGA | AMD IC CPLD 512MC 9.2NS 256FTBGA | AMD IC CPLD 512MC 9.2NS 324FBGA | AMD IC CPLD 512MC 7.1NS 256FTBGA |

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.



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

Contact us if you have any questions.

-  Phone
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info@allelco.com

Certifications & Memberships



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