

Image may be representation.  
See specifications for product details.



## XC2C64A-5CP56C

Manufacturer Part Number	<a href="#">XC2C64A-5CP56C</a>
Manufacturer	<a href="#">AMD Xilinx</a>
Allelco Part Number	32D-XC2C64A-5CP56C
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC CPLD 64MC 4.6NS 56CSBGA
Package	56-LFBGA, CSPBGA
Data sheet	<a href="#">XC2C64A Datasheet.pdf</a>

**Get a Quote**

XC2C64A-5CP56C - AMD.New Original in Stock. Download Linear Technology XC2C64A-5CP56C datasheet/specifications on AllelcoElec.com.  
Request a quote for XC2C64A-5CP56C, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

XC2C64A-5CP56C Tech Specifications  
XC2C64A-5CP56C - AMD technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	AMD Xilinx	Number of Macrocells	64
Voltage Supply - Internal	1.7V ~ 1.9V	Number of Logic Elements/Blocks	4
Supplier Device Package	56-CSBGA (6x6)	Number of I/O	45
Series	CoolRunner II	Number of Gates	1500
Programmable Type	In System Programmable	Mounting Type	Surface Mount
Package / Case	56-LFBGA, CSPBGA	Delay Time tpd(1) Max	4.6 ns
Package	Tray	Base Product Number	XC2C64
Operating Temperature	0°C ~ 70°C (TA)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XC2C64A-5CP56C

Product Attribute				
Part Number	XC2C64A-5CP56C	<a href="#">XC2C64A-5VQ44C</a>	<a href="#">XC2C64A-5VQG100C</a>	<a href="#">XC2C64A-5QFG48C</a>
Manufacturer	AMD	AMD	AMD	AMD
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	Tray
Number of Logic Elements/Blocks	4	4	4	4
Number of I/O	45	33	64	37
Delay Time tpd(1) Max	4.6 ns	4.6 ns	4.6 ns	4.6 ns
Programmable Type	In System Programmable	In System Programmable	In System Programmable	In System Programmable
Voltage Supply - Internal	1.7V ~ 1.9V	1.7V ~ 1.9V	1.7V ~ 1.9V	1.7V ~ 1.9V
Package / Case	56-LFBGA, CSPBGA	44-TQFP	100-TQFP	48-VFQFN Exposed Pad
Operating Temperature	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)
Base Product Number	XC2C64	XC2C64	XC2C64	XC2C64
Number of Macrocells	64	64	64	64
Supplier Device Package	56-CSBGA (6x6)	44-VQFP (10x10)	100-VQFP (14x14)	48-QFN (7x7)
Number of Gates	1500	1500	1500	1500
Series	CoolRunner II	CoolRunner II	CoolRunner II	CoolRunner II

### XC2C64A-5CP56C Datasheet PDF

Download XC2C64A-5CP56C pdf datasheets and AMD documentation for XC2C64A-5CP56C - AMD.

#### Environmental Information

[Xilinx REACH211 Cert.pdf](#)

#### Design Resources

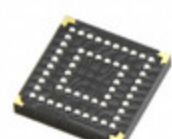
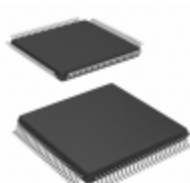
[CoolRunner-II CPLD Designer Guide.pdf](#)

#### HTML Datasheet

[XC2C64A Datasheet.pdf](#)

### Customers Also Interested in

#### Recommended Products

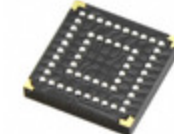


**XC2C64-5VQ100C**

AMD Xilinx

**XC2C64A-5VQ44C**AMD  
IC CPLD 64MC 4.6NS 44VQFP**XC2C64A-5VQG100C**AMD  
IC CPLD 64MC 4.6NS 100VQFP**XC2C64A-5VQFG48C**AMD  
IC CPLD 64MC 4.6NS 48QFN**XC2C64-7VQG100C**

AMD Xilinx

**XC2C64A-7CPG56C**AMD  
IC CPLD 64MC 6.7NS 56CSBGA**XC2C64-7CP56I**

AMD Xilinx

**XC2C64A-7CP56C**

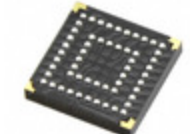
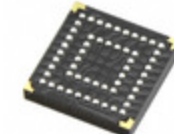
AMD Xilinx

**XC2C64-7VQ44C**

AMD Xilinx

**XC2C64A-5VQG44C**AMD  
IC CPLD 64MC 4.6NS 44VQFP**XC2C64A-7CPG56I**AMD  
IC CPLD 64MC 6.7NS 56CSBGA**XC2C64-7CPG56I**

AMD Xilinx

**XC2C64-7VQ100C**

AMD Xilinx

**XC2C64A-7CFP56C**

AMD Xilinx

**XC2C64A-5VQ100C**AMD  
IC CPLD 64MC 4.6NS 100VQFP**XC2C64-4VQG44C**

AMD Xilinx

**XC2C64A-7CP56C**AMD  
IC CPLD 64MC 6.7NS 56CSBGA**XC2C64A-5CPG56C**AMD  
IC CPLD 64MC 4.6NS 56CSBGA

## 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



[View More](#)



**ALLELCO LIMITED**  
WWW.ALLELCOELEC.COM

## Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@allelco.com

Copyright © 2012-2023 AllelcoElec.com. All rights reserved.