



Image may be representation.
See specifications for product details.

XC2C256-6TQG144C

Manufacturer Part Number **XC2C256-6TQG144C**

Manufacturer **AMD Xilinx**

Allelco Part Number **32D-XC2C256-6TQG144C**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC CPLD 256MC 5.7NS 144TQFP**

Package **144-LQFP**

Data sheet **[XC2C256 Datasheet.pdf](#)**

RoHs Status **ROHS3 Compliant**

Get a Quote



XC2C256-6TQG144C - AMD.New Original in Stock. Download Linear Technology XC2C256-6TQG144C datasheet/specifications on AllelcoElec.com.
Request a quote for XC2C256-6TQG144C, please send us email: info@allelco.com

Specifications

XC2C256-6TQG144C Tech Specifications
XC2C256-6TQG144C - AMD technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	AMD Xilinx	Number of Macrocells	256
Voltage Supply - Internal	1.7V ~ 1.9V	Number of Logic Elements/Blocks	16
Supplier Device Package	144-TQFP (20x20)	Number of I/O	118
Series	CoolRunner II	Number of Gates	6000
Programmable Type	In System Programmable	Mounting Type	Surface Mount
Package / Case	144-LQFP	Delay Time tpd(1) Max	5.7 ns
Package	Tray	Base Product Number	XC2C256
Operating Temperature	0°C ~ 70°C (TA)		

Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XC2C256-6TQG144C

Product Attribute					
Part Number	XC2C256-6TQG144C	XC2C256-6CP132C	XC2C256-7CP132I	XC2C128-7VQG100C	
Manufacturer	AMD	Xilinx	AMD	AMD	
Voltage Supply - Internal	1.7V ~ 1.9V	1.7 V ~ 1.9 V	1.7V ~ 1.9V	1.7V ~ 1.9V	
Package / Case	144-LQFP	132-TFBGA, CSPBGA	132-TFBGA, CSPBGA	100-TQFP	
Number of I/O	118	106	106	80	
Number of Macrocells	256	256	256	128	
Number of Logic Elements/Blocks	16	16	16	8	
Number of Gates	6000	6000	6000	3000	
Delay Time tpd(1) Max	5.7 ns	5.7ns	6.7 ns	7 ns	
Supplier Device Package	144-TQFP (20x20)	132-CSPBGA (8x8)	132-CSPBGA (8x8)	100-VQFP (14x14)	
Programmable Type	In System Programmable	In System Programmable	In System Programmable	In System Programmable	
Package	Tray	-	Tray	Tray	
Operating Temperature	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	
Series	CoolRunner II	CoolRunner II	CoolRunner II	CoolRunner II	
Base Product Number	XC2C256	-	XC2C256	XC2C128	
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount	

XC2C256-6TQG144C Datasheet PDF

Download XC2C256-6TQG144C pdf datasheets and AMD documentation for XC2C256-6TQG144C - AMD.

PCN Assembly/Origin

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

Environmental Information

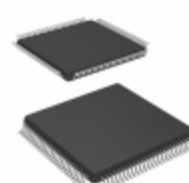
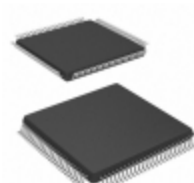
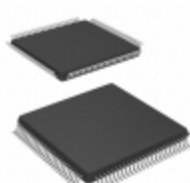
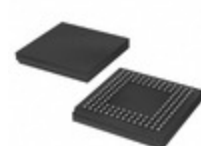
[Xilinx REACH211 Cert.pdf](#)

HTML Datasheet

[XC2C256 Datasheet.pdf](#)

Customers Also Interested in

Recommended Products



XC2C256-6CP132C Xilinx IC CPLD 256MC 5.7NS 132BGA	XC2C256-7CP132I AMD IC CPLD 256MC 6.7NS 132CSPBGA	XC2C128-7VQG100C AMD IC CPLD 128MC 7NS 100VQFP	XC2C256-6VQ100C AMD IC CPLD 256MC 5.7NS 100VQFP	XC2C256-6VQG100C AMD IC CPLD 256MC 5.7NS 100VQFP	XC2C256-6PQG208C AMD IC CPLD 256MC 5.7NS 208QFP
XC2C256-7CP132C AMD IC CPLD 256MC 6.7NS 132CSPBGA	XC2C256-7FT256C AMD IC CPLD 256MC 6.7NS 256FTBGA	XC2C256-7CPG132C AMD IC CPLD 256MC 6.7NS 132CSPBGA	XC2C256-7FT256I AMD IC CPLD 256MC 6.7NS 256FTBGA	XC2C256-6FT256C AMD IC CPLD 256MC 5.7NS 256FTBGA	XC2C128C6-BMS AMD Xilinx
XC2C256-6CPG132C AMD IC CPLD 256MC 5.7NS 132CSPBGA	XC2C256-6TQ144C AMD IC CPLD 256MC 5.7NS 100TQFP	XC2C256-7CPG132I AMD IC CPLD 256MC 6.7NS 132CSPBGA	XC2C256-6FTG256C AMD IC CPLD 256MC 5.7NS 256FTBGA	XC2C128-7VQG100I AMD IC CPLD 128MC 7NS 100VQFP	XC2C256-7FTG256C AMD IC CPLD 256MC 6.7NS 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.



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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Certifications & Memberships



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