

Image may be representation.  
See specifications for product details.



## XCV50-6BG256C

Manufacturer Part Number	<b>XCV50-6BG256C</b>
Manufacturer	<b>AMD Xilinx</b>
Allelco Part Number	32D-XCV50-6BG256C
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 180 I/O 256BGA
Package	256-BBGA
Data sheet	<b>Virtex 2.5 V.pdf</b>

**Get a Quote**

XCV50-6BG256C - AMD, New Original in Stock. Download Linear Technology XCV50-6BG256C datasheet/specifications on AllelcoElec.com.  
Request a quote for XCV50-6BG256C, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

XCV50-6BG256C Tech Specifications  
XCV50-6BG256C - AMD technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	AMD Xilinx	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	2.375V ~ 2.625V	Number of Logic Elements/Cells	1728
Total RAM Bits	32768	Number of LABs/CLBs	384
Supplier Device Package	256-PBGA (27x27)	Number of I/O	180
Series	Virtex®	Number of Gates	57906
Package / Case	256-BBGA	Mounting Type	Surface Mount
Package	Tray	Base Product Number	XCV50

### Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XCV50-6BG256C

Product Attribute				
Part Number	XCV50-6BG256C	<b>XCV50-6PQ240C</b>	<b>XCV50-5FG256I</b>	<b>XCV50E-6FG256C</b>
Manufacturer	AMD	AMD	AMD	AMD
Total RAM Bits	32768	32768	32768	65536
Number of I/O	180	166	176	176
Package	Tray	Tray	Tray	Tray
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)
Number of LABs/CLBs	384	384	384	384
Voltage - Supply	2.375V ~ 2.625V	2.375V ~ 2.625V	2.375V ~ 2.625V	1.71V ~ 1.89V
Package / Case	256-BBGA	240-BFQFP	256-BGA	256-BGA
Series	Virtex®	Virtex®	Virtex®	Virtex®-E
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	XCV50	XCV50	XCV50	XCV50E
Supplier Device Package	256-PBGA (27x27)	240-PQFP (32x32)	256-FBGA (17x17)	256-FBGA (17x17)
Number of Logic Elements/Cells	1728	1728	1728	1728
Number of Gates	57906	57906	57906	71693

### XCV50-6BG256C Datasheet PDF

Download XCV50-6BG256C pdf datasheets and AMD documentation for XCV50-6BG256C - AMD.

#### Datasheets

[Virtex 2.5 V.pdf](#)

#### Environmental Information

[Xilinx REACH211 Cert.pdf](#)

#### PCN Obsolescence/ EOL

[Spartan,Virtex FPGA/SCD 18/Oct/2010.pdf](#)

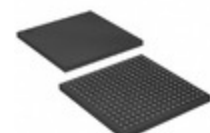
### Customers Also Interested in

#### Recommended Products

<b>XCV50-6PQ240C</b>	<b>XCV50-6TQG144C</b>	<b>XCV50-5FG256I</b>	<b>XCV50E-6FG256C</b>	<b>XCV50E-6CS144C</b>	<b>XCV50-5PQ240C</b>
AMD	AMD Xilinx	AMD	AMD	AMD	AMD
IC FPGA 166 I/O 240QFP		IC FPGA 176 I/O 256FBGA	IC FPGA 176 I/O 256FBGA	IC FPGA 94 I/O 144CSBGA	IC FPGA 166 I/O 240QFP



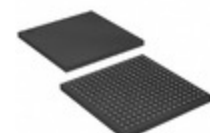
**XCV50-6TQ144C**  
AMD  
IC FPGA 98 I/O 144TQFP



**XCV50-5FGG256I**  
AMD Xilinx

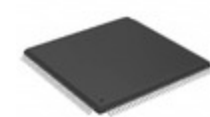


**XCV50-5TQG144C**  
AMD Xilinx



**XCV50-5FG256C**  
AMD  
IC FPGA 176 I/O 256FBGA

**XCV50-6FG256C**  
AMD  
IC FPGA 176 I/O 256FBGA



**XCV50-5TQ144C**  
AMD  
IC FPGA 98 I/O 144TQFP



**XCV500-4FG456I**  
AMD Xilinx



**XCV50-5BGG256C**  
AMD Xilinx



**XCV50-5PQ240I**  
AMD  
IC FPGA 166 I/O 240QFP



**XCV50-6PQG240C**  
AMD Xilinx



**XCV50-6FG256I**  
AMD Xilinx



**XCV500-4FG456C**  
AMD Xilinx

## 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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### Contact us

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