

Image may be representation.
See specifications for product details.



XCV100-6TQ144C

Manufacturer Part Number	XCV100-6TQ144C
Manufacturer	AMD Xilinx
Allelco Part Number	32D-XCV100-6TQ144C
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 98 I/O 144TQFP
Package	144-LQFP
Data sheet	Virtex 2.5 V.pdf

Get a Quote

XCV100-6TQ144C - AMD.New Original in Stock. Download Linear Technology XCV100-6TQ144C datasheet/specifications on AllelcoElec.com.
Request a quote for XCV100-6TQ144C, please send us email: info@allelco.com

Specifications

XCV100-6TQ144C Tech Specifications
XCV100-6TQ144C - 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	2700
Total RAM Bits	40960	Number of LABs/CLBs	600
Supplier Device Package	144-TQFP (20x20)	Number of I/O	98
Series	Virtex®	Number of Gates	108904
Package / Case	144-LQFP	Mounting Type	Surface Mount
Package	Tray	Base Product Number	XCV100

Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XCV100-6TQ144C

Product Attribute				
Part Number	XCV100-6TQ144C	XCV1000-4BG560C	XCV100-5TQ144C	XCV100-6FG256C
Manufacturer	AMD	AMD	AMD	AMD
Number of I/O	98	404	98	176
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	Tray
Package / Case	144-LQFP	560-LBGA Exposed Pad, Metal	144-LQFP	256-BGA
Total RAM Bits	40960	131072	40960	40960
Voltage - Supply	2.375V ~ 2.625V	2.375V ~ 2.625V	2.375V ~ 2.625V	2.375V ~ 2.625V
Number of LABs/CLBs	600	6144	600	600
Base Product Number	XCV100	XCV1000	XCV100	XCV100
Series	Virtex®	Virtex®	Virtex®	Virtex®
Number of Logic Elements/Cells	2700	27648	2700	2700
Supplier Device Package	144-TQFP (20x20)	560-MBGA (42.5x42.5)	144-TQFP (20x20)	256-FBGA (17x17)
Number of Gates	108904	1124022	108904	108904

XCV100-6TQ144C Datasheet PDF

Download XCV100-6TQ144C pdf datasheets and AMD documentation for XCV100-6TQ144C - AMD.

Datasheets

[Virtex 2.5 V.pdf](#)

Environmental Information

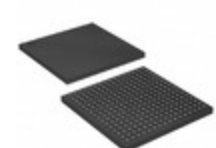
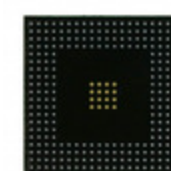
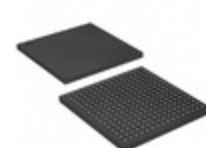
[Xilinx REACH211 Cert.pdf](#)

PCN Obsolescence/ EOL

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

Customers Also Interested in

Recommended Products



XCV1000-4FG556C

AMD Xilinx

XCV1000-4BG560C

AMD
IC FPGA 404 I/O 560MBGA

XCV100-5TQ144C

AMD
IC FPGA 98 I/O 144TQFP

XCV100-6FG256C

AMD
IC FPGA 176 I/O 256FBGA

XCV100-6BG256C

AMD
IC FPGA 180 I/O 256BGA

XCV100-5FG256I

AMD
IC FPGA 176 I/O 256FBGA



XCV100-6TQG144C
AMD Xilinx

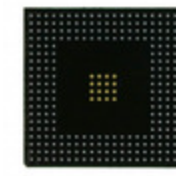
XCV1000-5FG680C
AMD
IC FPGA 512 I/O 680FTEBGA

XCV1000-5BG560C
AMD
IC FPGA 404 I/O 560MBGA

XCV100-5PQ240I
AMD
IC FPGA 166 I/O 240QFP

XCV1000-5BG560I
AMD
IC FPGA 404 I/O 560MBGA

XCV1000-5FG680I
AMD
IC FPGA 512 I/O 680FTEBGA



XCV1000-4FG680C
AMD
IC FPGA 512 I/O 680FTEBGA

XCV100-5TQ144I
AMD
IC FPGA 98 I/O 144TQFP

XCV100-5PQ240C
AMD
IC FPGA 166 I/O 240QFP

XCV100-4TQ144I
AMD
IC FPGA 98 I/O 144TQFP

XCV100-5BG256C
AMD
IC FPGA 180 I/O 256BGA

XCV1000-4BG560I
AMD
IC FPGA 404 I/O 560MBGA

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.

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Certifications & Memberships



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