



Image may be representation.  
See specifications for product details.



## XC2S50E-6TQ144C

Manufacturer Part Number	<b>XC2S50E-6TQ144C</b>
Manufacturer	<b>AMD Xilinx</b>
Allelco Part Number	32D-XC2S50E-6TQ144C
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 102 I/O 144TQFP
Package	144-LQFP
Data sheet	<b>XC2Sxx0E.pdf</b>

**Get a Quote**

XC2S50E-6TQ144C - AMD.New Original in Stock. Download Linear Technology XC2S50E-6TQ144C datasheet/specifications on AllelcoElec.com.  
Request a quote for XC2S50E-6TQ144C, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

XC2S50E-6TQ144C Tech Specifications

XC2S50E-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	1.71V ~ 1.89V	Number of Logic Elements/Cells	1728
Total RAM Bits	32768	Number of LABs/CLBs	384
Supplier Device Package	144-TQFP (20x20)	Number of I/O	102
Series	Spartan®-IIE	Number of Gates	50000
Package / Case	144-LQFP	Mounting Type	Surface Mount
Package	Tray	Base Product Number	XC2S50E

### Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XC2S50E-6TQ144C

Product Attribute				
Part Number	XC2S50E-6TQ144C	<b>XC2S50E-6PQ208I</b>	<b>XC2S50E-6FTG256I</b>	<b>XC2S50E-6TQG144C</b>
Manufacturer	AMD	AMD	Xilinx	AMD
Number of Gates	50000	50000	50000	50000
Number of I/O	102	146	182	102
Number of LABs/CLBs	384	384	384	384
Package	Tray	Tray	-	Tray
Series	Spartan®-IIE	Spartan®-IIE	Spartan®-IIE	Spartan®-IIE
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)
Base Product Number	XC2S50E	XC2S50E	-	XC2S50E
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	144-LQFP	208-BFQFP	256-LBGA	144-LQFP
Number of Logic Elements/Cells	1728	1728	1728	1728
Total RAM Bits	32768	32768	32768	32768
Supplier Device Package	144-TQFP (20x20)	208-PQFP (28x28)	256-FTBGA (17x17)	144-TQFP (20x20)
Voltage - Supply	1.71V ~ 1.89V	1.71V ~ 1.89V	1.71 V ~ 1.89 V	1.71V ~ 1.89V

### XC2S50E-6TQ144C Datasheet PDF

Download XC2S50E-6TQ144C pdf datasheets and AMD documentation for XC2S50E-6TQ144C - AMD.

#### Datasheets

[XC2Sxx0E.pdf](#)

#### PCN Assembly/Origin

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

#### Environmental Information

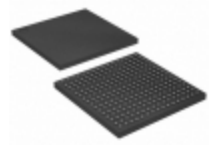
[Xilinx REACH211 Cert.pdf](#)

#### PCN Obsolescence/ EOL

[Spartan, Virtex, XC17V00 24/Apr/2013.pdf](#)

### Customers Also Interested in

#### Recommended Products



**XC2S50E-6PQ208I**  
AMD  
IC FPGA 146 I/O 208QFP

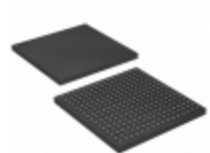
**XC2S50E-5TQ144C**  
AMD Xilinx

**XC2S50E-6FTG256I**  
Xilinx  
IC FPGA 182 I/O 256FTBGA

**XC2S50E-7FTG256C**  
AMD Xilinx

**XC2S50E-6TQG144I**  
AMD Xilinx

**XC2S50E-6FT256I**  
AMD Xilinx



**XC2S50E-7FTG256I**  
AMD Xilinx

**XC2S50E-6TQG144C**  
AMD  
IC FPGA 102 I/O 144TQFP

**XC2S50E-6FTG256C**  
Xilinx  
IC FPGA 182 I/O 256FTBGA

**XC2S50E-6PQ208C**  
AMD  
IC FPGA 146 I/O 208QFP

**XC2S50E-7FT256C**  
AMD Xilinx

**XC2S50E-6PQG208C**  
AMD  
IC FPGA 146 I/O 208QFP



**XC2S50E-6FT256C**  
AMD Xilinx

**XC2S50E-6PQG208I**  
AMD Xilinx

**XC2S50E-6TQ144C0775**  
AMD Xilinx

**XC2S50E-6FT256AGT**  
AMD Xilinx

**XC2S50E-7PQG208C**  
AMD Xilinx

**XC2S50E-FT256AGT**  
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 Alleco 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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