



Image may be representation.  
See specifications for product details.



## XC2S50-5TQ144I

Manufacturer Part Number	<b>XC2S50-5TQ144I</b>
Manufacturer	<b>AMD Xilinx</b>
Allelco Part Number	32D-XC2S50-5TQ144I
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 92 I/O 144TQFP
Package	144-LQFP
Data sheet	XC2S50-5TQ144I.pdf

**Get a Quote**

XC2S50-5TQ144I - AMD.New Original in Stock. Download Linear Technology XC2S50-5TQ144I datasheet/specifications on AllelcoElec.com.  
Request a quote for XC2S50-5TQ144I, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

XC2S50-5TQ144I Tech Specifications  
XC2S50-5TQ144I - AMD technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	AMD Xilinx	Operating Temperature	-40°C ~ 100°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	144-TQFP (20x20)	Number of I/O	92
Series	Spartan®-II	Number of Gates	50000
Package / Case	144-LQFP	Mounting Type	Surface Mount
Package	Tray	Base Product Number	XC2S50

### Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XC2S50-5TQ144I

Product Attribute				
Part Number	XC2S50-5TQ144I	<a href="#">XC2S50-6FG256C</a>	<a href="#">XC2S50-6PQG208C</a>	<a href="#">XC2S50-5PQG208I</a>
Manufacturer	AMD	AMD	AMD	AMD
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	Tray
Base Product Number	XC2S50	XC2S50	-	-
Number of I/O	92	176	140	140
Series	Spartan®-II	Spartan®-II	Spartan®-II	Spartan®-II
Number of LABs/CLBs	384	384	384	384
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)
Supplier Device Package	144-TQFP (20x20)	256-FBGA (17x17)	208-PQFP (28x28)	208-PQFP (28x28)
Number of Logic Elements/Cells	1728	1728	1728	1728
Number of Gates	50000	50000	50000	50000
Package / Case	144-LQFP	256-BGA	208-BFQFP	208-BFQFP
Total RAM Bits	32768	32768	32768	32768
Voltage - Supply	2.375V ~ 2.625V	2.375V ~ 2.625V	2.375V ~ 2.625V	2.375V ~ 2.625V

### XC2S50-5TQ144I Datasheet PDF

Download XC2S50-5TQ144I pdf datasheets and AMD documentation for XC2S50-5TQ144I - AMD.

#### PCN Assembly/Origin

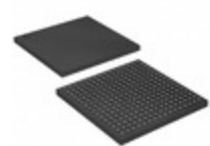
[2.73KHz.pdf](#)

#### Environmental Information

[Xilinx REACH211 Cert.pdf](#)

### Customers Also Interested in

#### Recommended Products



**XC2S50-6FG256C**  
AMD  
IC FPGA 176 I/O 256FBGA



**XC2S50E-5TQ144C**  
AMD Xilinx



**XC2S50-6PQG208C**  
AMD  
IC FPGA 140 I/O 208QFP



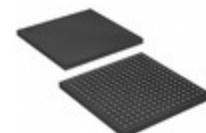
**XC2S50-5PQG208I**  
AMD  
IC FPGA 140 I/O 208QFP



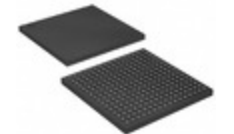
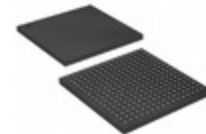
**XC2S50-5TQG144I**  
AMD  
IC FPGA 92 I/O 144TQFP



**XC2S50-5TQ144C**  
AMD  
IC FPGA 92 I/O 144TQFP

**XC2S50-5PQG208C**AMD  
IC FPGA 140 I/O 208QFP**XC2S50-5PQ208C**AMD  
IC FPGA 140 I/O 208QFP**XC2S50-6TQ144C**AMD  
IC FPGA 92 I/O 144TQFP**XC2S50-5FG256I**AMD  
IC FPGA 176 I/O 256FBGA**XC2S50-6PQ208C**AMD  
IC FPGA 140 I/O 208QFP**XC2S50-5FG256Q**

AMD Xilinx

**XC2S50E-6FT256AGT**

AMD Xilinx

**XC2S50-5TQG144C**AMD  
IC FPGA 92 I/O 144TQFP**XC2S50-5PQ208I**AMD  
IC FPGA 140 I/O 208QFP**XC2S50-5FG256C**AMD  
IC FPGA 176 I/O 256FBGA**XC2S50-6PQG208**

AMD Xilinx

**XC2S50-5FGG256C**AMD  
IC FPGA 176 I/O 256FBGA

## 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

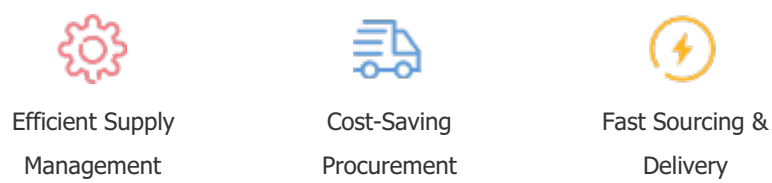
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

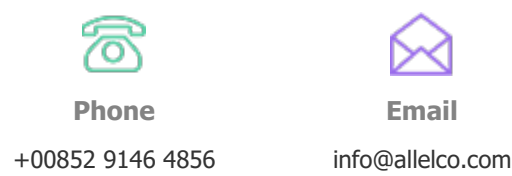
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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