



Image may be representation.
See specifications for product details.



XC2S100E-6TQG144C

Manufacturer Part Number	XC2S100E-6TQG144C
Manufacturer	AMD Xilinx
Allelco Part Number	32D-XC2S100E-6TQG144C
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 102 I/O 144TQFP
Package	144-LQFP
Data sheet	XC2Sxx0E.pdf

Get a Quote

XC2S100E-6TQG144C - AMD.New Original in Stock. Download Linear Technology XC2S100E-6TQG144C datasheet/specifications on AllelcoElec.com.
Request a quote for XC2S100E-6TQG144C, please send us email: info@allelco.com

Specifications

XC2S100E-6TQG144C Tech Specifications

XC2S100E-6TQG144C - 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	2700
Total RAM Bits	40960	Number of LABs/CLBs	600
Supplier Device Package	144-TQFP (20x20)	Number of I/O	102
Series	Spartan®-IIE	Number of Gates	100000
Package / Case	144-LQFP	Mounting Type	Surface Mount
Package	Tray	Base Product Number	XC2S100E

Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XC2S100E-6TQG144C

Product Attribute				
Part Number	XC2S100E-6TQG144C	XC2S15-5TQ144C	XC2S100E-6PQG208C	XC2S100E-6TQ144C
Manufacturer	AMD	AMD	AMD	AMD
Supplier Device Package	144-TQFP (20x20)	144-TQFP (20x20)	208-PQFP (28x28)	144-TQFP (20x20)
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Base Product Number	XC2S100E	XC2S15	XC2S100E	XC2S100E
Number of LABs/CLBs	600	96	600	600
Package	Tray	Tray	Tray	Tray
Number of I/O	102	86	146	102
Number of Gates	100000	15000	100000	100000
Package / Case	144-LQFP	144-LQFP	208-BFQFP	144-LQFP
Total RAM Bits	40960	16384	40960	40960
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply	1.71V ~ 1.89V	2.375V ~ 2.625V	1.71V ~ 1.89V	1.71V ~ 1.89V
Series	Spartan®-IIE	Spartan®-II	Spartan®-IIE	Spartan®-IIE
Number of Logic Elements/Cells	2700	432	2700	2700

XC2S100E-6TQG144C Datasheet PDF

Download XC2S100E-6TQG144C pdf datasheets and AMD documentation for XC2S100E-6TQG144C - 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



XC2S100E-6FTG256

AMD Xilinx

XC2S15-5TQ144C

AMD
IC FPGA 86 I/O 144TQFP

XC2S100E-6FTG256I

AMD Xilinx

XC2S100E-6TQG144I

Altera (Intel)

XC2S100E-6PQG208C

AMD
IC FPGA 146 I/O 208QFP

XC2S100E-6TQ144C

AMD
IC FPGA 102 I/O 144TQFP



XC2S15-5CS144C

AMD
IC FPGA 86 I/O 144CSBGA

XC2S100E-7FTG256I

AMD Xilinx

XC2S100E-6PQG208

AMD Xilinx

XC2S15-5TQG144C

AMD
IC FPGA 86 I/O 144TQFP

XC2S100E-7FTG256C

AMD Xilinx

XC2S100E-6FTG256C

AMD
IC FPGA 182 I/O 256FTBGA



XC2S100E-7FT256C

AMD Xilinx

XC2S100E-6PQ208I

AMD Xilinx

XC2S100E-7TQ144C

AMD Xilinx

XC2S100E-6PQ208C

AMD
IC FPGA 146 I/O 208QFP

XC2S100E-6TQ144I

AMD Xilinx

XC2S100E-6PQ208I

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.



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Cost-Saving Procurement



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Contact us if you have any questions.



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