



XC2S100E-6PQG208C

Manufacturer Part Number	XC2S100E-6PQG208C
Manufacturer	AMD Xilinx
Allelco Part Number	32D-XC2S100E-6PQG208C
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 146 I/O 208QFP
Package	208-BFQFP
Data sheet	XC2Sxx0E.pdf



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Specifications

XC2S100E-6PQG208C Tech Specifications
XC2S100E-6PQG208C - 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	208-PQFP (28x28)	Number of I/O	146
Series	Spartan®-IIE	Number of Gates	100000
Package / Case	208-BFQFP	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-6PQG208C

Product Attribute	NO PICTURE			
Part Number	XC2S100E-6PQG208C	XC2S100E-6TQG144C	XC2S100E-6TQ144C	XC2S100E-6FT256C
Manufacturer	AMD	AMD	AMD	AMD
Number of Gates	100000	100000	100000	100000
Number of Logic Elements/Cells	2700	2700	2700	2700
Package / Case	208-BFQFP	144-LQFP	144-LQFP	256-LBGA
Supplier Device Package	208-PQFP (28x28)	144-TQFP (20x20)	144-TQFP (20x20)	256-FTBGA (17x17)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	146	102	102	182
Voltage - Supply	1.71V ~ 1.89V	1.71V ~ 1.89V	1.71V ~ 1.89V	1.71V ~ 1.89V
Series	Spartan®-IIE	Spartan®-IIE	Spartan®-IIE	Spartan®-IIE
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	XC2S100E	XC2S100E	XC2S100E
Package	Tray	Tray	Tray	Tray
Total RAM Bits	40960	40960	40960	40960
Number of LABs/CLBs	600	600	600	600

XC2S100E-6PQG208C Datasheet PDF

Download XC2S100E-6PQG208C pdf datasheets and AMD documentation for XC2S100E-6PQG208C - 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-7FT256C

AMD Xilinx

**XC2S100E-6TQG144C**AMD
IC FPGA 102 I/O 144TQFP**XC2S100E-6TQ144I**

AMD Xilinx

**XC2S100E-6TQ144C**AMD
IC FPGA 102 I/O 144TQFP**XC2S100E-6FT256C**AMD
IC FPGA 182 I/O 256FTBGA**XC2S100E-6PQG208I**

AMD Xilinx

**XC2S100E-6FTG256I**

AMD Xilinx

**XC2S100E-6FGG456C**

AMD Xilinx

**XC2S100E-6FG456I**

AMD Xilinx

**XC2S100E-6FTG256C**AMD
IC FPGA 182 I/O 256FTBGA**XC2S100E-7FTG256C**

AMD Xilinx

**XC2S100E-6FTG256**

AMD Xilinx

**XC2S100E-7FTG256I**

AMD Xilinx

**XC2S100E-6PQG208C**AMD
IC FPGA 146 I/O 208QFP**XC2S100E-6TQG144I**

Altera (Intel)

**XC2S100E-6FT256I**

AMD Xilinx

**XC2S100E-6PQG208I**

AMD Xilinx

**XC2S100E-6PQG208**

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:
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 Fast Sourcing & Delivery

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+00852 9146 4856
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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com