

Image may be representation.  
See specifications for product details.



## XC3SD1800A-5FGG676C

Manufacturer Part Number	<b>XC3SD1800A-5FGG676C</b>
Manufacturer	<b>AMD Xilinx</b>
Allelco Part Number	32D-XC3SD1800A-5FGG676C
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 519 I/O 676FBGA
Package	676-BGA
Data sheet	XC3SD1800A-5FGG676C.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

XC3SD1800A-5FGG676C - AMD.New Original in Stock. Download Linear Technology XC3SD1800A-5FGG676C datasheet/specifications on AllelcoElec.com.  
Request a quote for XC3SD1800A-5FGG676C, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

XC3SD1800A-5FGG676C Tech Specifications

XC3SD1800A-5FGG676C - 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	1.14V ~ 1.26V	Number of Logic Elements/Cells	37440
Total RAM Bits	1548288	Number of LABs/CLBs	4160
Supplier Device Package	676-FBGA (27x27)	Number of I/O	519
Series	Spartan@-3A DSP	Number of Gates	1800000
Package / Case	676-BGA	Mounting Type	Surface Mount
Package	Tray	Base Product Number	XC3SD1800

### Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XC3SD1800A-5FGG676C

Product Attribute				
Part Number	XC3SD1800A-5FGG676C	XC3SD1800A-4FGG676I	XC3SD3400A-4CSG484LI	XC3SD1800A-4CSG484C
Manufacturer	AMD	AMD	AMD	AMD
Number of Gates	1800000	1800000	3400000	1800000
Number of LABs/CLBs	4160	4160	5968	4160
Series	Spartan@-3A DSP	Spartan@-3A DSP	Spartan@-3A DSP	Spartan@-3A DSP
Total RAM Bits	1548288	1548288	2322432	1548288
Package / Case	676-BGA	676-BGA	484-FBGA, CSPBGA	484-FBGA, CSPBGA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	XC3SD1800	XC3SD1800	XC3SD3400	XC3SD1800
Number of Logic Elements/Cells	37440	37440	53712	37440
Supplier Device Package	676-FBGA (27x27)	676-FBGA (27x27)	484-CSPBGA (19x19)	484-CSPBGA (19x19)
Package	Tray	Tray	Tray	Tray
Voltage - Supply	1.14V ~ 1.26V	1.14V ~ 1.26V	1.14V ~ 1.26V	1.14V ~ 1.26V
Number of I/O	519	519	309	309
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)

### XC3SD1800A-5FGG676C Datasheet PDF

Download XC3SD1800A-5FGG676C pdf datasheets and AMD documentation for XC3SD1800A-5FGG676C - AMD.

#### Environmental Information

[Xilinx REACH211 Cert.pdf](#)

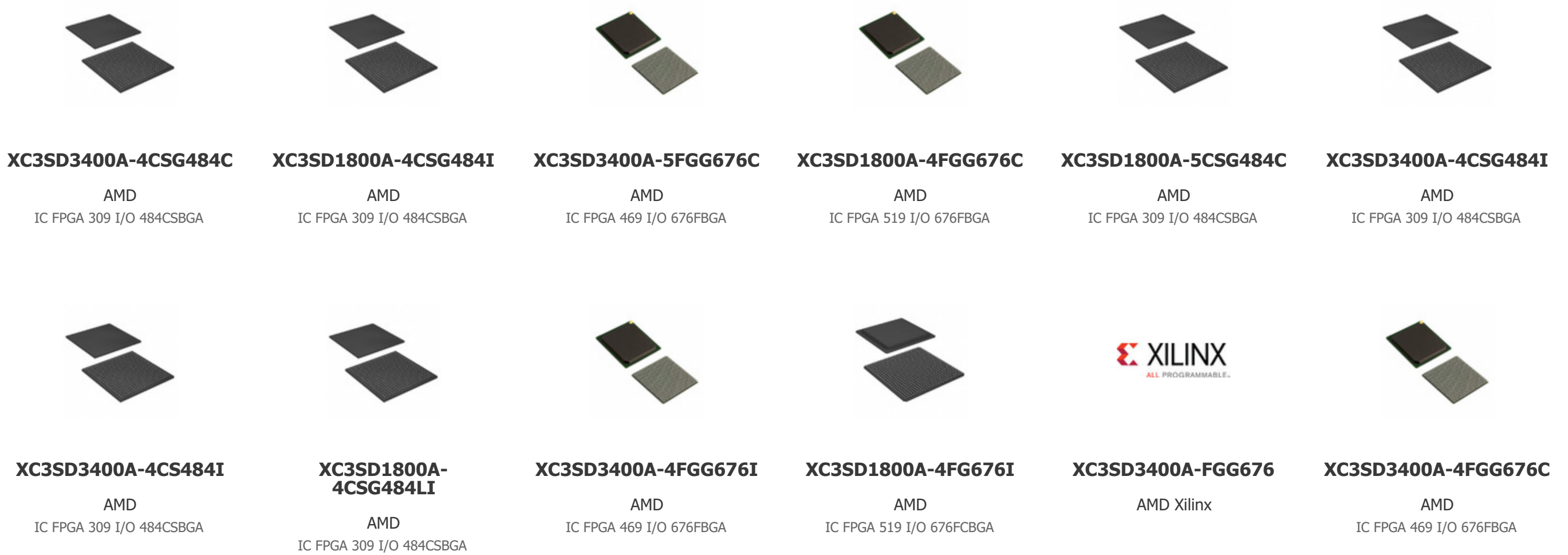
#### PCN Design/Specification

[Copper Wire Bond Material 09/Dec/2013.pdf](#)

### Customers Also Interested in

#### Recommended Products

<b>XC3S700AN-5FG484C</b>	<b>XC3SD1800A-4FGG676I</b>	<b>XC3SAVQG100</b>	<b>XC3SD1800A-FGG676C</b>	<b>XC3SD3400A-4CSG484LI</b>	<b>XC3SD1800A-4CSG484C</b>
AMD Xilinx	AMD IC FPGA 519 I/O 676FBGA	AMD Xilinx	AMD Xilinx	AMD IC FPGA 309 I/O 484CSBGA	AMD IC FPGA 309 I/O 484CSBGA



## 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

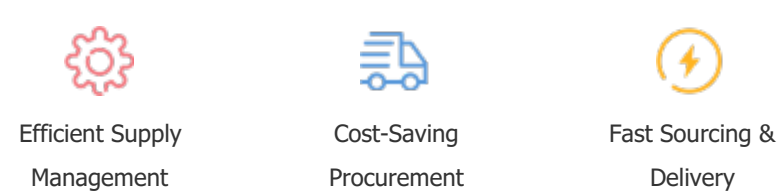
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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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