

Image may be representation.
See specifications for product details.



XCKU040-2FBVA676E

Manufacturer Part Number	XCKU040-2FBVA676E
Manufacturer	AMD Xilinx
Allelco Part Number	32D-XCKU040-2FBVA676E
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 312 I/O 676FCBGA
Package	676-BBGA, FCBGA
Data sheet	XCKU040-2FBVA676E.pdf
RoHs Status	ROHS3 Compliant

[Get a Quote](#)

XCKU040-2FBVA676E - AMD.New Original in Stock. Download Linear Technology XCKU040-2FBVA676E datasheet/specifications on AllelcoElec.com.
Request a quote for XCKU040-2FBVA676E, please send us email: info@allelco.com

Specifications

XCKU040-2FBVA676E Tech Specifications
XCKU040-2FBVA676E - AMD technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	AMD Xilinx	Operating Temperature	0°C ~ 100°C (TJ)
Voltage - Supply	0.922V ~ 0.979V	Number of Logic Elements/Cells	530250
Total RAM Bits	21606000	Number of LABs/CLBs	30300
Supplier Device Package	676-FCBGA (27x27)	Number of I/O	312
Series	Kintex® UltraScale™	Mounting Type	Surface Mount
Package / Case	676-BBGA, FCBGA	Base Product Number	XCKU040
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XCKU040-2FBVA676E

Product Attribute				
Part Number	XCKU040-2FBVA676E	XCKU040-1SFVA784C	XCKU040-1FBVA676I	XCKU035-3FFVA1156E
Manufacturer	AMD	AMD	AMD	AMD
Number of LABs/CLBs	30300	30300	30300	25391
Voltage - Supply	0.922V ~ 0.979V	0.922V ~ 0.979V	0.922V ~ 0.979V	0.970V ~ 1.030V
Supplier Device Package	676-FCBGA (27x27)	784-FCCSPBGA (23x23)	676-FCBGA (27x27)	1156-FCBGA (35x35)
Base Product Number	XCKU040	XCKU040	XCKU040	XCKU035
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Total RAM Bits	21606000	21606000	21606000	19456000
Number of Logic Elements/Cells	530250	530250	530250	444343
Operating Temperature	0°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 100°C (TJ)
Package	Tray	Tray	Tray	Tray
Number of I/O	312	468	312	520
Series	Kintex® UltraScale™	Kintex® UltraScale™	Kintex® UltraScale™	Kintex® UltraScale™
Package / Case	676-BBGA, FCBGA	784-BFBGA, FCCSP	676-BBGA, FCBGA	1156-BBGA, FCBGA

XCKU040-2FBVA676E Datasheet PDF

Download XCKU040-2FBVA676E pdf datasheets and AMD documentation for XCKU040-2FBVA676E - AMD.

Environmental Information

[Xilinx REACH211 Cert.pdf](#)

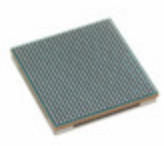
PCN Design/Specification

[Ultrascale & Virtex Dev Spec Chg 20/Dec/2016.pdf](#)

[Quality Alert 24/Nov/2015.pdf](#)

Customers Also Interested in

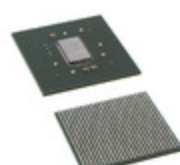
Recommended Products



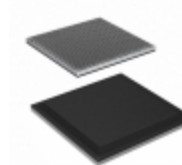
XCKU040-1SFVA784C
AMD
IC FPGA 468 I/O 784FCBGA



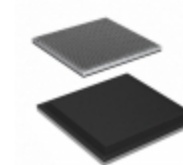
XCKU060-1FFVA1156CES
AMD Xilinx



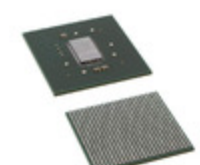
XCKU040-1FBVA676I
AMD
IC FPGA 312 I/O 676FCBGA



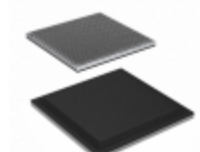
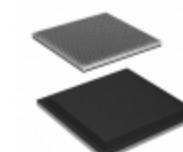
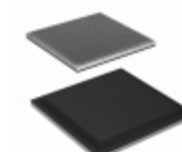
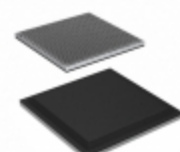
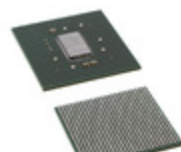
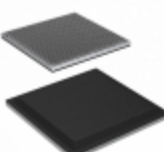
XCKU035-3FFVA1156E
AMD
IC FPGA 520 I/O 1156FCBGA



XCKU035-2FFVA1156E
AMD
IC FPGA 520 I/O 1156FCBGA



XCKU040-2FBVA676E
AMD
IC FPGA 312 I/O 676FCBGA



XCKU040-2FFVA1156I AMD IC FPGA 520 I/O 1156FCBGA 	XCKU040-3FBVA676E AMD IC FPGA 312 I/O 676FCBGA 	XCKU040-3FFVA1156E AMD IC FPGA 520 I/O 1156FCBGA 	XCKU060-1FFVA1156C AMD IC FPGA 520 I/O 1156FCBGA 	XCKU060-1FFVA1156I AMD IC FPGA 520 I/O 1156FCBGA 	XCKU040-1FFVA1156I AMD IC FPGA 520 I/O 1156FCBGA 
XCKU040-1FBVA676C AMD IC FPGA 312 I/O 676FCBGA 	XCKU040-1FFVA1156C AMD IC FPGA 520 I/O 1156FCBGA 	XCKU035-L1FFVA1156I Xilinx IC FPGA 520 I/O 1156FCBGA 	XCKU035-3FBVA676E AMD IC FPGA 312 I/O 676FCBGA 	XCKU040-2FFVA1156E AMD IC FPGA 520 I/O 1156FCBGA 	XCKU035-2FFVA1156I AMD IC FPGA 520 I/O 1156FCBGA 

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.

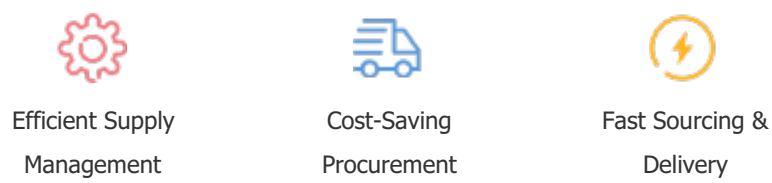
Payment Support

The payment method can be chosen from the methods shown below:

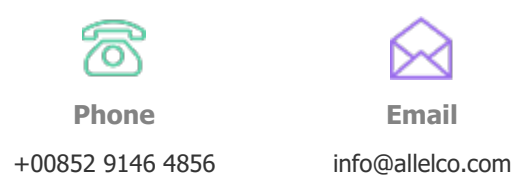
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



[View More](#)