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See specifications for product details.



## 10AX016E4F27E3SG

Manufacturer Part Number **10AX016E4F27E3SG**

Manufacturer **Intel**

Allelco Part Number **32D-10AX016E4F27E3SG**

ECAD Model PCB Symbol, Footprint & 3D Mode

Parts Description **IC FPGA 240 I/O 672FBGA**

Package **672-BBGA, FCBGA**

Data sheet [Arria 10 Device Datasheet.pdf](#)

[Arria 10 Device Overview ~.pdf](#)

RoHs Status **RoHS Compliant**

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### Specifications

10AX016E4F27E3SG Tech Specifications  
10AX016E4F27E3SG - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Package	Tray
Voltage - Supply	0.87V ~ 0.93V	Operating Temperature	0°C ~ 100°C (TJ)
Total RAM Bits	10086400	Number of Logic Elements/Cells	160000
Supplier Device Package	672-FBGA (27x27)	Number of LABs/CLBs	61510
Series	Arria 10 GX	Number of I/O	240
Package / Case	672-BBGA, FCBGA	Mounting Type	Surface Mount

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 10AX016E4F27E3SG

Product Attribute				
Part Number	10AX016E4F27E3SG	10AX032H4F35E3SG	10AX032H3F34I2SG	10AX027H3F34I2SG
Manufacturer	Intel	Intel	Intel	Intel
Number of I/O	240	384	384	384
Operating Temperature	0°C ~ 100°C (TJ)	0°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Number of Logic Elements/Cells	160000	320000	320000	270000
Voltage - Supply	0.87V ~ 0.93V	0.87V ~ 0.98V	0.87V ~ 0.93V	0.87V ~ 0.93V
Package	Tray	Tray	Tray	Tray
Total RAM Bits	10086400	21040128	21040128	17870848
Series	Arria 10 GX	Arria 10 GX	Arria 10 GX	Arria 10 GX
Package / Case	672-BBGA, FCBGA	1152-BBGA, FCBGA	1152-BBGA, FCBGA	1152-BBGA, FCBGA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of LABs/CLBs	61510	119900	119900	101620
Supplier Device Package	672-FBGA (27x27)	1152-FBGA, FC (35x35)	1152-FBGA, FC (35x35)	1152-FBGA, FC (35x35)

### 10AX016E4F27E3SG Datasheet PDF

Download 10AX016E4F27E3SG pdf datasheets and Intel documentation for 10AX016E4F27E3SG - Intel.

#### Datasheets

[Arria 10 Device Datasheet.pdf](#)

[Arria 10 Device Overview ~.pdf](#)

#### PCN Design/Specification

[Arria/Cyclone 10 Software Chg 3/Jun/2021.pdf](#)

[Mult Dev Des/Errata Chgs 16/Aug/2022.pdf](#)

#### PCN Packaging

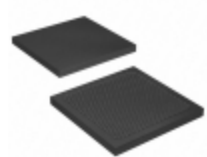
[Mult Dev Label CHG 24/Jan/2020.pdf](#)

[Mult Dev Label Chgs 24/Feb/2020.pdf](#)

### Customers Also Interested in

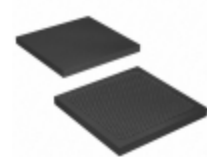
#### Recommended Products

<b>10AS032H3F34I2SG</b>	<b>10AS016E4F29I3LG</b>	<b>10AS027E3F29E2SG</b>	<b>10AS048H3F34E2SG</b>	<b>10AS032E3F29I2SG</b>	<b>10AX032H4F35E3SG</b>
Intel IC SOC CORTEX-A9 1.5GHZ 1152FBGA	Intel IC SOC CORTEX-A9 1.5GHZ 780FBGA	Intel IC SOC CORTEX-A9 1.5GHZ 780FBGA	Intel IC SOC CORTEX-A9 1.5GHZ 1152FBGA	Intel IC SOC CORTEX-A9 1.5GHZ 780FBGA	Intel IC FPGA 384 I/O 1152FBGA



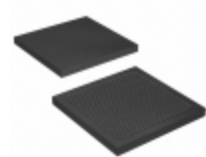
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Intel  
IC SOC CORTEX-A9 1.5GHZ  
1152FBGA



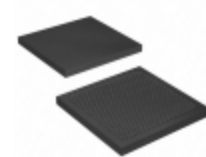
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Intel  
IC SOC CORTEX-A9 1.5GHZ  
1152FBGA



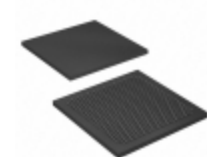
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Intel  
IC FPGA 384 I/O 1152FBGA



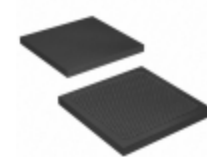
### 10AX027H3F34I2SG

Intel  
IC FPGA 384 I/O 1152FBGA



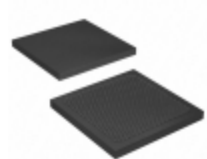
### 10AX048E4F29I3SG

Intel  
IC FPGA 360 I/O 780FBGA



### 10AS066H3F34I2LG

Intel  
IC SOC CORTEX-A9 1.5GHZ  
1152FBGA



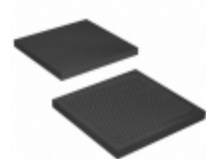
### 10AS027H3F34I2LG

Intel  
IC SOC CORTEX-A9 1.5GHZ  
1152FBGA



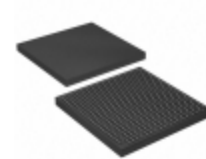
### 10AX016E4F29E3SG

Intel  
IC FPGA 288 I/O 780FBGA



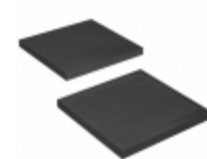
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Intel  
IC FPGA 384 I/O 1152FBGA



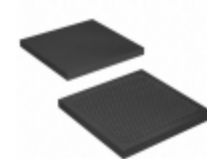
### 10AX027E3F27I2SG

Intel  
IC FPGA 240 I/O 672FBGA



### 10AX027H4F34E3SG

Intel  
IC FPGA 384 I/O 1152FBGA



### 10AX048H2F34E1HG

Intel  
IC FPGA 492 I/O 1152FBGA

## 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 -

 Efficient Supply Management

 Cost-Saving Procurement

 Fast Sourcing & Delivery

Contact us if you have any questions.

 Phone  
+00852 9146 4856

 Email  
info@allelco.com

## Certifications & Memberships



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