

Image may be representation.  
See specifications for product details.



## EP2SGX90EF1152C3

Manufacturer Part Number **EP2SGX90EF1152C3**

Manufacturer **Intel**

Allelco Part Number **32D-EP2SGX90EF1152C3**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 558 I/O 1152FBGA**

Package **1152-BBGA**

Data sheet [Virtual JTAG Megafuntion Guide.pdf](#)

[1152-FBGA Pkg Info.pdf](#)

[Stratix II GX Device Handbook.pdf](#)

RoHs Status **RoHS Compliant**

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## Specifications

EP2SGX90EF1152C3 Tech Specifications  
EP2SGX90EF1152C3 - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	1.15V ~ 1.25V	Number of Logic Elements/Cells	90960
Total RAM Bits	4520448	Number of LABs/CLBs	4548
Supplier Device Package	1152-FBGA (35x35)	Number of I/O	558
Series	Stratix® II GX	Mounting Type	Surface Mount
Package / Case	1152-BBGA	Base Product Number	EP2SGX90
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP2SGX90EF1152C3

Product Attribute				
Part Number	EP2SGX90EF1152C3	EP2SGX60EF115214	EP2SGX60EF1152C5N	EP2SGX90EF1152C5N
Manufacturer	Intel	Intel	Intel	Intel
Total RAM Bits	4520448	2544192	2544192	4520448
Supplier Device Package	1152-FBGA (35x35)	1152-FBGA (35x35)	1152-FBGA (35x35)	1152-FBGA (35x35)
Number of LABs/CLBs	4548	3022	3022	4548
Package / Case	1152-BBGA	1152-BBGA	1152-BBGA	1152-BBGA
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Number of I/O	558	534	534	558
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Logic Elements/Cells	90960	60440	60440	90960
Series	Stratix® II GX	Stratix® II GX	Stratix® II GX	Stratix® II GX
Package	Tray	Tray	Tray	Tray
Base Product Number	EP2SGX90	EP2SGX60	EP2SGX60	EP2SGX90

## EP2SGX90EF1152C3 Datasheet PDF

Download EP2SGX90EF1152C3 pdf datasheets and Intel documentation for EP2SGX90EF1152C3 - Intel.

### Datasheets



[Virtual JTAG Megafuntion Guide.pdf](#)



[1152-FBGA Pkg Info.pdf](#)



[Stratix II GX Device Handbook.pdf](#)

### PCN Design/Specification



[Cylindrical Battery Holders.pdf](#)

### PCN Packaging



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



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

### PCN Obsolescence/ EOL



[Mult Dev EOL 4/Dec/2020.pdf](#)



[Mult Dev Retraction 12/Feb/2021.pdf](#)

### PCN Part Status Change



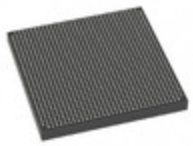
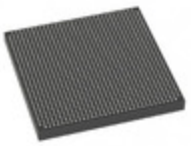
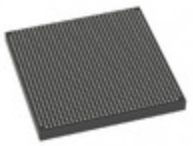
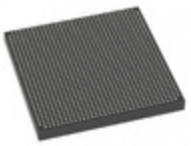
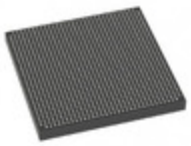

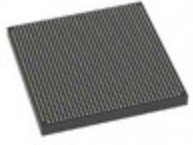
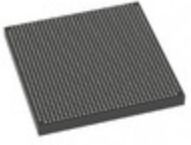
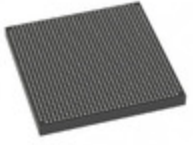
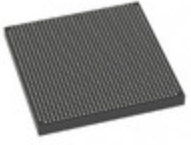

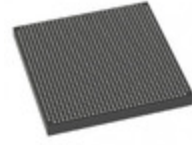

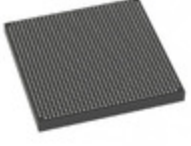

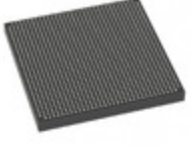
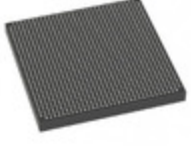
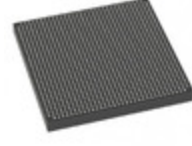
[Mult Dev Status Rev 4/Dec/2020.pdf](#)



[Mult Dev Status Updates 29/May/2020.pdf](#)

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## Recommended Products

					
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<b>EP2SGX60EF1152C4</b> Intel IC FPGA 534 I/O 1152FBGA	<b>EP2SGX60EF1152C3</b> Intel IC FPGA 534 I/O 1152FBGA	<b>EP2SGX90EF1152I4</b> Intel IC FPGA 558 I/O 1152FBGA	<b>EP2SGX60EF1152I4N</b> Intel IC FPGA 534 I/O 1152FBGA	<b>EP2SGX60EF1152C5</b> Altera IC FPGA 534 I/O 1152FBGA	<b>EP2SGX60EF1152C5</b> Intel IC FPGA 534 I/O 1152FBGA
					
<b>EP2SGX60EF1162I4N</b> Altera (Intel)	<b>EP2SGX90EF1152C4ES</b> Intel IC FPGA 558 I/O 1152FBGA	<b>EP2SGX90EF35C5NGA</b> Altera (Intel)	<b>EP2SGX60EF1152C4N</b> Intel IC FPGA 534 I/O 1152FBGA	<b>EP2SGX90EF1152C3N</b> Intel IC FPGA 558 I/O 1152FBGA	<b>EP2SGX60EF1152C3N</b> Intel IC FPGA 534 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

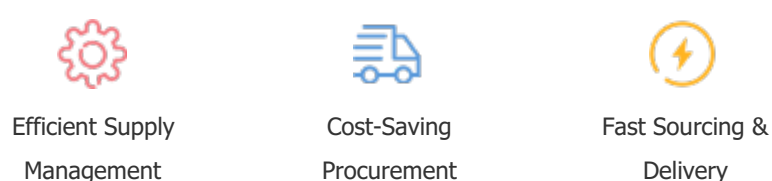
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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 -



Contact us if you have any questions.



### Certifications & Memberships



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