

Image may be representation.  
See specifications for product details.



## EP20K100EBC356-3

Manufacturer Part Number **EP20K100EBC356-3**

Manufacturer **Intel**

Allelco Part Number **32D-EP20K100EBC356-3**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 246 I/O 356BGA**

Package **356-LBGA**

Data sheet **[Cylindrical Battery Holders.pdf](#)**

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EP20K100EBC356-3 - Intel.New Original in Stock. Download Linear Technology EP20K100EBC356-3 datasheet/specifications on AllelcoElec.com.

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### Specifications

EP20K100EBC356-3 Tech Specifications

EP20K100EBC356-3 - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	1.71V ~ 1.89V	Number of Logic Elements/Cells	4160
Total RAM Bits	53248	Number of LABs/CLBs	416
Supplier Device Package	356-BGA (35x35)	Number of I/O	246
Series	APEX-20KE®	Number of Gates	263000
Package / Case	356-LBGA	Mounting Type	Surface Mount
Package	Tray	Base Product Number	EP20K100

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP20K100EBC356-3

Product Attribute				
Part Number	EP20K100EBC356-3	<a href="#">EP20K100EFC324-1</a>	<a href="#">EP20K1000EFI672-2X</a>	<a href="#">EP20K100BC356-1</a>
Manufacturer	Intel	Intel	Intel	Intel
Base Product Number	EP20K100	EP20K100	EP20K1000	EP20K100
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)
Voltage - Supply	1.71V ~ 1.89V	1.71V ~ 1.89V	1.71V ~ 1.89V	2.375V ~ 2.625V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Total RAM Bits	53248	53248	327680	53248
Package	Tray	Tray	Tray	Tray
Number of Logic Elements/Cells	4160	4160	38400	4160
Number of LABs/CLBs	416	416	3840	416
Supplier Device Package	356-BGA (35x35)	324-FBGA (19x19)	672-FBGA (27x27)	356-BGA (35x35)
Series	APEX-20KE®	APEX-20KE®	APEX-20KE®	APEX-20K®
Number of Gates	263000	263000	1772000	263000
Number of I/O	246	246	508	252
Package / Case	356-LBGA	324-BGA	672-BBGA	356-LBGA

### EP20K100EBC356-3 Datasheet PDF

Download EP20K100EBC356-3 pdf datasheets and Intel documentation for EP20K100EBC356-3 - Intel.

#### Datasheets

[Virtual JTAG Megafuntion Guide.pdf](#)

#### PCN Packaging

[All Dev Pkg Chg 1/Aug/2018.pdf](#)

[Mult Dev Dessicant Chg 19/Jul/2019.pdf](#)

#### PCN Obsolescence/ EOL

[EOL 01/Dec/2016.pdf](#)

[EOL 21/Nov/2016.pdf](#)

#### PCN Design/Specification

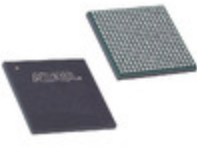
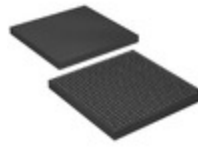
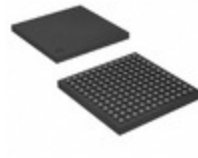

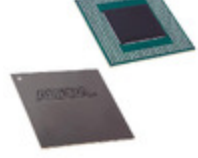
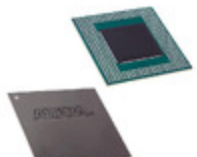

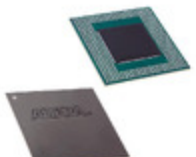
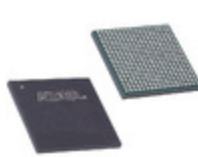
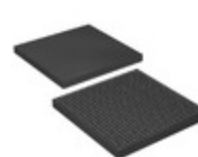
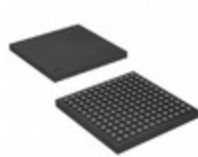


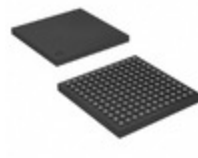
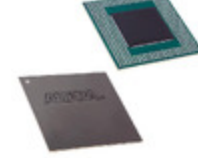
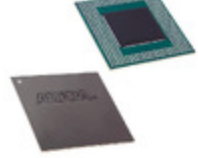
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#### HTML Datasheet

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### Customers Also Interested in

## Recommended Products

 <b>EP20K100EFC324-1</b> Intel IC FPGA 246 I/O 324FBGA	 <b>EP20K1000EF1672-2X</b> Intel IC FPGA 508 I/O 672FBGA	 <b>EP20K100BC356-1</b> Intel IC FPGA 252 I/O 356BGA	 <b>EP20K100EFC144-2N</b> Intel IC FPGA 93 I/O 144FBGA	 <b>EP20K100EFC144-2</b> Altera IC FPGA 93 I/O 144FBGA	 <b>EP20K100EBC356-1X</b> Intel IC FPGA 246 I/O 356BGA
 <b>EP20K100EBC356-2X</b> Intel IC FPGA 246 I/O 356BGA	 <b>EP20K100EFC324-1</b> Altera IC FPGA 246 I/O 324FBGA	 <b>EP20K100EBC356-1</b> Intel IC FPGA 246 I/O 356BGA	 <b>EP20K100EFC324-1X</b> Intel IC FPGA 246 I/O 324FBGA	 <b>EP20K1000EFC672-2X</b> Intel IC FPGA 508 I/O 672FBGA	 <b>EP20K100EFC144-2</b> Intel IC FPGA 93 I/O 144FBGA
 <b>EP20K100EFC144-3</b> Altera IC FPGA 93 I/O 144FBGA	 <b>EP20K100EBC356-2</b> Altera IC FPGA 246 I/O 356BGA	 <b>EP20K100BC356-1</b> Altera IC FPGA 252 I/O 356BGA	 <b>EP20K100EFC144-3</b> Intel IC FPGA 93 I/O 144FBGA	 <b>EP20K100EBC356-3N</b> Intel IC FPGA 246 I/O 356BGA	 <b>EP20K100EBC356-2</b> Intel IC FPGA 246 I/O 356BGA

## 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,  
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