

Image may be representation.  
See specifications for product details.



## 10CL006YE144I7G

Manufacturer Part Number **10CL006YE144I7G**

Manufacturer **Intel**

Allelco Part Number **32D-10CL006YE144I7G**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC FPGA 88 I/O 144EQFP**

Package **144-LQFP Exposed Pad**

Data sheet [Cyclone 10 LP Devices Overview.pdf](#)

[Cyclone® 10 LP Device Datasheet.pdf](#)

RoHs Status **RoHS Compliant**

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### Specifications

10CL006YE144I7G Tech Specifications

10CL006YE144I7G - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Package	Tray
Voltage - Supply	1.2V	Operating Temperature	-40°C ~ 100°C (TJ)
Total RAM Bits	276480	Number of Logic Elements/Cells	6272
Supplier Device Package	144-EQFP (20x20)	Number of LABs/CLBs	392
Series	Cyclone® 10 LP	Number of I/O	88
Package / Case	144-LQFP Exposed Pad	Mounting Type	Surface Mount

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 10CL006YE144I7G

Product Attribute				
Part Number	10CL006YE144I7G	10CL016YM164A7G	10CL006YU256C8G	10CL010YU256I7G
Manufacturer	Intel	Intel	Intel	Intel
Operating Temperature	-40°C ~ 100°C (TJ)	-40°C ~ 125°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)
Number of Logic Elements/Cells	6272	15408	6272	10320
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	144-LQFP Exposed Pad	164-TFBGA	256-LFBGA	256-LFBGA
Supplier Device Package	144-EQFP (20x20)	164-MBGA (8x8)	256-UBGA (14x14)	256-UBGA (14x14)
Voltage - Supply	1.2V	1.2V	1.2V	1.2V
Number of I/O	88	87	176	176
Number of LABs/CLBs	392	963	392	645
Total RAM Bits	276480	516096	276480	423936
Series	Cyclone® 10 LP	Cyclone® 10 LP	Cyclone® 10 LP	Cyclone® 10 LP
Package	Tray	Tray	Tray	Tray

### 10CL006YE144I7G Datasheet PDF

Download 10CL006YE144I7G pdf datasheets and Intel documentation for 10CL006YE144I7G - Intel.

#### Datasheets

[Cyclone 10 LP Devices Overview.pdf](#)

[Cyclone® 10 LP Device Datasheet.pdf](#)

#### PCN Design/Specification

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

[Mult Dev Software Rev 28/May/2021.pdf](#)

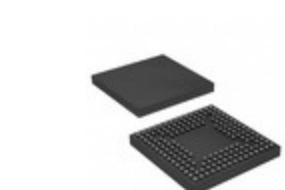
#### PCN Packaging

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

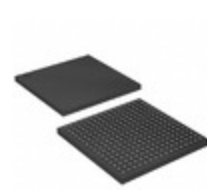
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### Customers Also Interested in

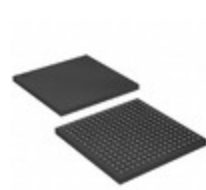
#### Recommended Products



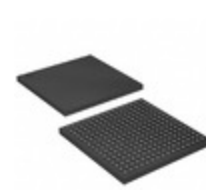
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Intel  
IC FPGA 87 I/O 164MBGA



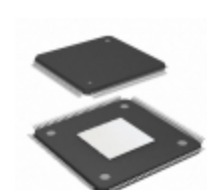
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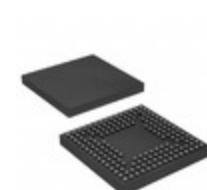
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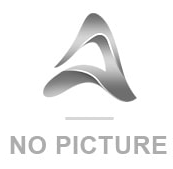
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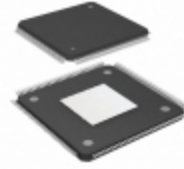
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**10CL016YM164C6G**  
Intel  
IC FPGA 87 I/O 164MBGA



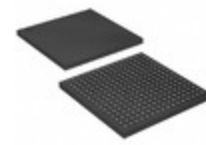
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U-TRON



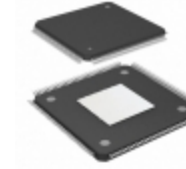
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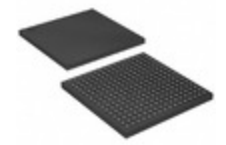
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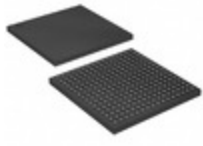
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Intel  
IC FPGA 162 I/O 256UBGA



**10CL016YE144C8G**  
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IC FPGA 78 I/O 144EQFP



**10CL016YU256I7G**  
Intel  
IC FPGA 162 I/O 256UBGA



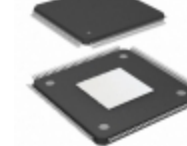
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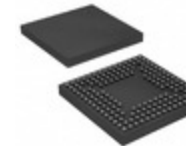
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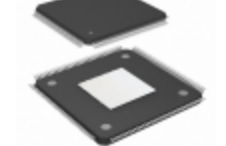
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**10CL010YE144I7G**  
Intel  
IC FPGA 88 I/O 144EQFP



**10CL010YM164I7G**  
Intel  
IC FPGA 101 I/O 164MBGA



**10CL006YE144C8G**  
Intel  
IC FPGA 88 I/O 144EQFP

## 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  
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info@allelco.com

## Certifications & Memberships



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