

Image may be representation.  
See specifications for product details.



## EP3C55F780C8N

Manufacturer Part Number	<b>EP3C55F780C8N</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP3C55F780C8N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 377 I/O 780FBGA
Package	780-BGA
Data sheet	<a href="#">Virtual JTAG Megafuntion Guide.pdf</a> <a href="#">Cyclone III Family Overview.pdf</a> <a href="#">Cyclone III Device Handbook Vol1.pdf</a> <a href="#">Cyclone III Datasheet.pdf</a>
RoHs Status	RoHS Compliant

**Get a Quote**

EP3C55F780C8N - Intel.New Original in Stock. Download Linear Technology EP3C55F780C8N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP3C55F780C8N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

EP3C55F780C8N Tech Specifications  
EP3C55F780C8N - 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	55856
Total RAM Bits	2396160	Number of LABs/CLBs	3491
Supplier Device Package	780-FBGA (29x29)	Number of I/O	377
Series	Cyclone® III	Mounting Type	Surface Mount
Package / Case	780-BGA	Base Product Number	EP3C55
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP3C55F780C8N

Product Attribute				
Part Number	EP3C55F780C8N	EP3C55U48417N	EP3C55F484C6N	EP3C5E144C7N
Manufacturer	Intel	Intel	Intel	Intel
Base Product Number	EP3C55	EP3C55	EP3C55	EP3C55
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	Cyclone® III	Cyclone® III	Cyclone® III	Cyclone® III
Number of Logic Elements/Cells	55856	55856	55856	5136
Supplier Device Package	780-FBGA (29x29)	484-UBGA (19x19)	484-FBGA (23x23)	144-EQFP (20x20)
Number of I/O	377	327	327	94
Package / Case	780-BGA	484-FBGA	484-BGA	144-LQFP Exposed Pad
Package	Tray	Tray	Tray	Tray
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Number of LABs/CLBs	3491	3491	3491	321
Total RAM Bits	2396160	2396160	2396160	423936

### EP3C55F780C8N Datasheet PDF

Download EP3C55F780C8N pdf datasheets and Intel documentation for EP3C55F780C8N - Intel.

#### Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Cyclone III Family Overview.pdf](#)
- [Cyclone III Datasheet.pdf](#)

#### PCN Design/Specification

- [Mult Series Software Chgs 26/Mar/2020.pdf](#)
- [Substrate/Wire 10/Jun/2010.pdf](#)

#### PCN Packaging

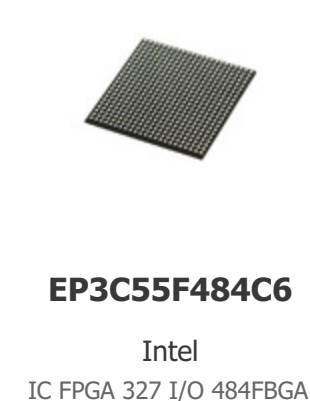
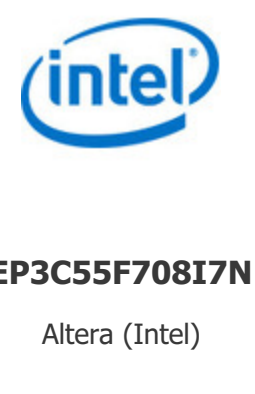
- [Mult Dev Label CHG 24/Jan/2020.pdf](#)
- [Mult Dev Label Chgs 24/Feb/2020.pdf](#)

#### HTML Datasheet

- [Cyclone III Device Handbook Vol1.pdf](#)

### Customers Also Interested in

#### Recommended Products



## 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

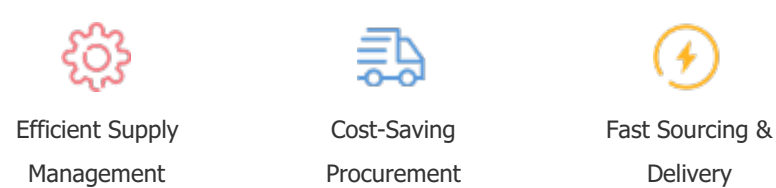
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

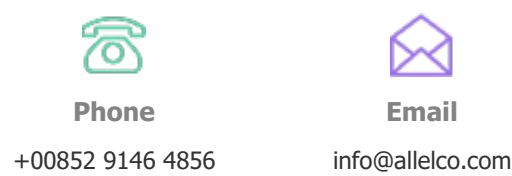
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



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