



Image may be representation.  
See specifications for product details.



## 5M80ZT100C5N

Manufacturer Part Number	<b>5M80ZT100C5N</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-5M80ZT100C5N
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC CPLD 64MC 7.5NS 100TQFP
Package	100-TQFP
Data sheet	<a href="#">MAX V Datasheet.pdf</a> <a href="#">MAX V Handbook.pdf</a>
RoHs Status	RoHS Compliant

**Get a Quote**

5M80ZT100C5N - Intel.New Original in Stock. Download Linear Technology 5M80ZT100C5N datasheet/specifications on AllelcoElec.com.  
Request a quote for 5M80ZT100C5N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

5M80ZT100C5N Tech Specifications

5M80ZT100C5N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage Supply - Internal	1.71V ~ 1.89V	Number of Macrocells	64
Supplier Device Package	100-TQFP (14x14)	Number of Logic Elements/Blocks	80
Series	MAX® V	Number of I/O	79
Programmable Type	In System Programmable	Mounting Type	Surface Mount
Package / Case	100-TQFP	Delay Time tpd(1) Max	7.5 ns
Package	Tray	Base Product Number	5M80Z

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5M80ZT100C5N

Product Attribute				
Part Number	5M80ZT100C5N	<b>5M80ZT100A5N</b>	<b>EPM7128SQC100-6</b>	<b>5M80ZM68I5N</b>
Manufacturer	Intel	Intel	Intel	Intel
Voltage Supply - Internal	1.71V ~ 1.89V	1.71V ~ 1.89V	4.75V ~ 5.25V	1.71V ~ 1.89V
Number of Logic Elements/Blocks	80	80	8	80
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 125°C (TJ)	0°C ~ 70°C (TA)	-40°C ~ 100°C (TJ)
Series	MAX® V	MAX® V	MAX® 7000S	MAX® V
Number of I/O	79	79	84	52
Supplier Device Package	100-TQFP (14x14)	100-TQFP (14x14)	100-PQFP (20x14)	68-MBGA (5x5)
Package / Case	100-TQFP	100-TQFP	100-BQFP	68-TFBGA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	Tray
Base Product Number	5M80Z	5M80Z	EPM7128	5M80Z
Programmable Type	In System Programmable	In System Programmable	In System Programmable	In System Programmable
Delay Time tpd(1) Max	7.5 ns	7.5 ns	6 ns	7.5 ns
Number of Macrocells	64	64	128	64

### 5M80ZT100C5N Datasheet PDF

Download 5M80ZT100C5N pdf datasheets and Intel documentation for 5M80ZT100C5N - Intel.

#### HTML Datasheet

[MAX V Datasheet.pdf](#)

[MAX V Handbook.pdf](#)

#### PCN Packaging

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

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

#### PCN Design/Specification

[Quartus SW/Web Chgs 23/Sep/2021.pdf](#)

[Mult Dev Software Chgs 3/Jun/2021.pdf](#)

### Customers Also Interested in

#### Recommended Products

**5M80ZT100A5N**  
 Intel  
 IC CPLD 64MC 7.5NS 100TQFP

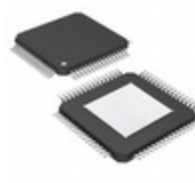
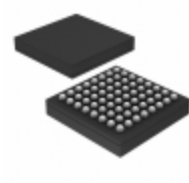
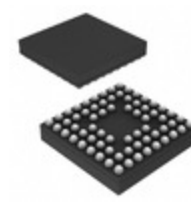
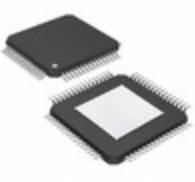
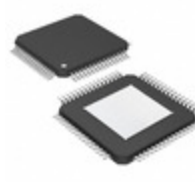
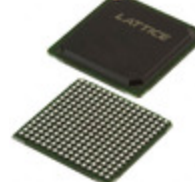
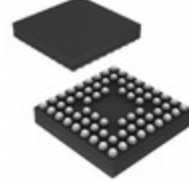
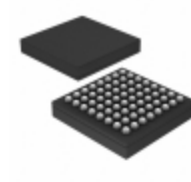
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 Intel  
 IC CPLD 128MC 6NS 100QFP

**5M80ZM68I5N**  
 Intel  
 IC CPLD 64MC 7.5NS 68MBGA

**XC9536-7PC44C**  
 AMD  
 IC CPLD 36MC 7.5NS 44PLCC

**5M80ZE64C5N**  
 Intel  
 IC CPLD 64MC 7.5NS 64EQFP

**5M80ZT100I5N**  
 Intel  
 IC CPLD 64MC 7.5NS 100TQFP

**ATF1504AS-15AC100**Microchip Technology  
IC CPLD 64MC 15NS 100TQFP**5M80ZE64I5N**Intel  
IC CPLD 64MC 7.5NS 64EQFP**M4A5-256/128-12YI**Lattice Semiconductor Corporation  
IC CPLD 256MC 12NS 208QFP**EPM240T100C5**Intel  
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IC CPLD 64MC 7.5NS 64MBGA**5M80ZM68C5N**Intel  
IC CPLD 64MC 7.5NS 68MBGA**5M80ZE64C4N**Intel  
IC CPLD 64MC 7.5NS 64EQFP**5M80ZE64A5N**Intel  
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IC CPLD 512MC 7.5NS 256FPBGA**GAL22V10D-7LJN**Lattice Semiconductor Corporation  
IC CPLD 10MC 7.5NS 28PLCC**5M80ZM68C4N**Intel  
IC CPLD 64MC 7.5NS 68MBGA**5M80ZM64I5N**Intel  
IC CPLD 64MC 7.5NS 64MBGA

## 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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### Contact us

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