

**5CEFA2M13I7N Information**


For Reference Only

**Part Number** [5CEFA2M13I7N](#)  
**Manufacturer** Altera  
**Category** Integrated Circuits (ICs)  
[Embedded - FPGAs \(Field Programmable Gate Array\)](#)  
**Description** IC FPGA 223 I/O 383MBGA  
**Package** 383-FBGA  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**5CEFA2M13I7N Specifications**

|                                |   |
|--------------------------------|---|
| Manufacturer Part Number       | <a href="#">5CEFA2M13I7N</a>  |
| Manufacturer                   | Altera  |
| Category                       | Integrated Circuits (ICs)<br><a href="#">Embedded - FPGAs (Field Programmable Gate Array)</a> |
| Package                        | 383-FBGA  |
| Series                         | Cyclone? V E  |
| Number of LABs/CLBs            | 9434  |
| Number of Logic Elements/Cells | 25000   |
| Total RAM Bits                 | 2002944   |
| Number of I/O                  | 223   |
| Number of Gates                | -   |
| Voltage - Supply               | 1.07 V ~ 1.13 V   |
| Mounting Type                  | Surface Mount   |
| Operating Temperature          | -40°C ~ 100°C (TJ)  |
| Package / Case                 | 383-FBGA  |
| Supplier Device Package        | 383-MBGA (13x13)  |

[Report errors?](#)

## 5CEFA2M13I7N Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## 5CEFA2M13I7N Payment Methods



## 5CEFA2M13I7N Shipping Methods



If you have any question about 5CEFA2M13I7N, please do not hesitate to contact us!

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