

**5CSEMA5U23C8N Information**


For Reference Only

**Part Number** [5CSEMA5U23C8N](#)  
**Manufacturer** Altera  
**Category** Integrated Circuits (ICs)  
[Embedded - System On Chip \(SoC\)](#)  
**Description** IC FPGA 145 I/O 672UBGA  
**Package** 672-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.


**5CSEMA5U23C8N Specifications**

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <a href="#">5CSEMA5U23C8N</a>  |
| Manufacturer             | Altera   |
| Category                 | Integrated Circuits (ICs)<br><a href="#">Embedded - System On Chip (SoC)</a> |
| Package                  | 672-FBGA   |
| Series                   | Cyclone? V SE  |
| Architecture             | MCU, FPGA  |
| Core Processor           | Dual ARM? Cortex?-A9 MPCore? with CoreSight?                                 |
| Flash Size               | -  |
| RAM Size                 | 64KB   |
| Peripherals              | DMA, POR, WDT  |
| Connectivity             | CAN, EBI/EMI, Ethernet, I2C, MMC/SD/SDIO, SPI, UART/USART, USB OTG           |
| Speed                    | 600MHz   |
| Primary Attributes       | FPGA - 85K Logic Elements  |
| Operating Temperature    | 0°C ~ 85°C (TJ)  |
| Package / Case           | 672-FBGA   |
| Supplier Device Package  | 672-UBGA (23x23)   |

[Report errors?](#)

## 5CSEMA5U23C8N 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.

## 5CSEMA5U23C8N Payment Methods



## 5CSEMA5U23C8N Shipping Methods



If you have any question about 5CSEMA5U23C8N, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)