

**5CSEMA5U23A7N Information**


For Reference Only

**Part Number** [5CSEMA5U23A7N](#)  
**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.


**5CSEMA5U23A7N Specifications**

Manufacturer Part Number	<a href="#">5CSEMA5U23A7N</a>
Manufacturer	Altera
Category	Integrated Circuits (ICs) <a href="#">Embedded - System On Chip (SoC)</a>
Package	672-FBGA
Series	Automotive, AEC-Q100, 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	700MHz
Primary Attributes	FPGA - 85K Logic Elements
Operating Temperature	-40°C ~ 125°C (TJ)
Package / Case	672-FBGA
Supplier Device Package	672-UBGA (23x23)

[Report errors?](#)

## 5CSEMA5U23A7N 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.

## 5CSEMA5U23A7N Payment Methods



## 5CSEMA5U23A7N Shipping Methods



If you have any question about 5CSEMA5U23A7N, please do not hesitate to contact us!

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