

**ATSAMS70Q21B-CFNT Information**


For Reference Only

**Part Number** [ATSAMS70Q21B-CFNT](#)  
**Manufacturer** Microchip Technology  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 32BIT 2MB FLASH 144FBGA  
**Package** 144-LFBGA  
 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.


**ATSAMS70Q21B-CFNT Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">ATSAMS70Q21B-CFNT</a>  |
| Manufacturer               | Microchip Technology   |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 144-LFBGA  |
| Series                     | SAM S70  |
| Core Processor             | ARM® Cortex®-M7  |
| Core Size                  | 32-Bit   |
| Speed                      | 300MHz   |
| Connectivity               | CANbus, Ethernet, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB   |
| Peripherals                | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT             |
| Number of I/O              | 75   |
| Program Memory Size        | 2MB (2M x 8)   |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 384K x 8   |
| Voltage - Supply (Vcc/Vdd) | 1.62 V ~ 3.6 V   |
| Data Converters            | A/D 10x12b; D/A 2x12b  |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 105°C (TA)   |
| Mounting Type              | -  |
| Package / Case             | 144-LFBGA  |
| Supplier Device Package    | 144-LFBGA (10x10)  |

[Report errors?](#)

## ATSAMS70Q21B-CFNT 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.

## ATSAMS70Q21B-CFNT Payment Methods



## ATSAMS70Q21B-CFNT Shipping Methods



If you have any question about ATSAMS70Q21B-CFNT, please do not hesitate to contact us!

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