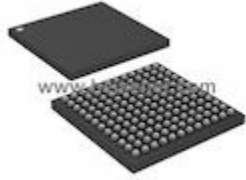


**ATSAMV71Q20B-CB Information**


For Reference Only

**Part Number** [ATSAMV71Q20B-CB](#)  
**Manufacturer** Microchip Technology  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** FLASH  
**Package** 144-TFBGA  
 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.


**ATSAMV71Q20B-CB Specifications**

|  |  |
|--|--|
| Manufacturer Part Number                             | <a href="#">ATSAMV71Q20B-CB</a>  |
| Manufacturer   | Microchip Technology   |
| Category   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a>                                 |
| Package  | 144-TFBGA  |
| Series   | Automotive, AEC-Q100, SAM V71  |
| Core Processor                                       | ARM® Cortex®-M7  |
| Core Size  | 32-Bit   |
| Speed  | 300MHz   |
| Connectivity   | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SPI, SSC, UART /USART, USB |
| Peripherals  | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT   |
| Number of I/O  | 114  |
| Program Memory Size                                  | 1MB (1M x 8)   |
| Program Memory Type                                  | FLASH  |
| EEPROM Size  | -  |
| RAM Size   | 384K x 8   |
| Voltage - Supply (V <sub>cc</sub> /V <sub>dd</sub> ) | 3 V ~ 3.6 V  |
| Data Converters                                      | A/D 24x12b, D/A 2x12b  |
| Oscillator Type                                      | Internal   |
| Operating Temperature                                | -40°C ~ 105°C (TA)   |
| Mounting Type  | -  |
| Package / Case                                       | 144-TFBGA  |

### ATSAMV71Q20B-CB 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.

### ATSAMV71Q20B-CB Payment Methods



### ATSAMV71Q20B-CB Shipping Methods



If you have any question about ATSAMV71Q20B-CB, please do not hesitate to contact us!

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

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