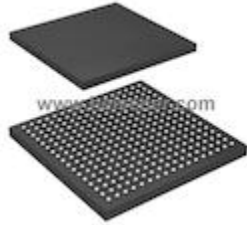


**ATSAMA5D28C-D1G-CU Information**


For Reference Only

**Part Number** [ATSAMA5D28C-D1G-CU](#)  
**Manufacturer** Microchip Technology  
**Category** Integrated Circuits (ICs)  
[Embedded - Microprocessors](#)  
**Description** IC MCU 32BIT EXT MEM 289-LFBGA  
**Package** 289-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.


**ATSAMA5D28C-D1G-CU Specifications**

|                                 |                                                                                                   |
|---------------------------------|---------------------------------------------------------------------------------------------------|
| Manufacturer Part Number        | <a href="#">ATSAMA5D28C-D1G-CU</a>                                                                |
| Manufacturer                    | Microchip Technology                                                                              |
| Category                        | Integrated Circuits (ICs)<br><a href="#">Embedded - Microprocessors</a>                           |
| Package                         | 289-LFBGA                                                                                         |
| Series                          | SAMA5D2                                                                                           |
| Core Processor                  | ARM® Cortex®-A5                                                                                   |
| Number of Cores/Bus Width       | 1 Core, 32-Bit                                                                                    |
| Speed                           | 500MHz                                                                                            |
| Co-Processors/DSP               | Multimedia; NEON™ MPE                                                                             |
| RAM Controllers                 | LPDDR1, LPDDR2, LPDDR3, DDR2, DDR3, DDR3L, QSPI                                                   |
| Graphics Acceleration           | Yes                                                                                               |
| Display & Interface Controllers | Keyboard, LCD, Touchscreen                                                                        |
| Ethernet                        | 10/100 Mbps (1)                                                                                   |
| SATA                            | -                                                                                                 |
| USB                             | USB 2.0 + HSIC                                                                                    |
| Voltage - I/O                   | 3.3V                                                                                              |
| Operating Temperature           | -40°C ~ 85°C (TA)                                                                                 |
| Security Features               | ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC |
| Package / Case                  | 289-LFBGA                                                                                         |
| Supplier Device Package         | 289-LFBGA (14x14)                                                                                 |

[Report errors?](#)

## ATSAMA5D28C-D1G-CU 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.

## ATSAMA5D28C-D1G-CU Payment Methods



## ATSAMA5D28C-D1G-CU Shipping Methods



If you have any question about ATSAMA5D28C-D1G-CU, please do not hesitate to contact us!

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

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