

ATSAMA5D26C-CN



Part Number: [ATSAMA5D26C-CN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT EXT MEM 289LFBGA

Data sheet:  [SAMA5D2 Series](#)

RoHs Status: Lead free / RoHS Compliant

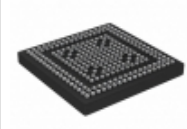
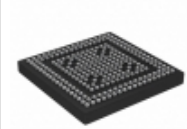
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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                   |                                  |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                             | ATSAMA5D26C-CN                                                                                    | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT EXT MEM 289LFBGA                                                                     | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                      | 12806 pcs                                                                                         | Data sheet                       | <a href="#">SAMA5D2 Series</a>                                                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                                                         | Voltage - I/O                    | 3.3V                                                                              |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                     | USB 2.0 + HSIC                                                                                    | Supplier Device Package          | 289-LFBGA (14x14)                                                                 |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                   | 500MHz                                                                                            | Series                           | SAMA5D2                                                                           |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                       | ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC | SATA                             | -                                                                                 |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                         | LPDDR1, LPDDR2, LPDDR3, DDR2, DDR3, DDR3L, QSPI                                                   | Packaging                        | Tray                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                          | 289-LFBGA                                                                                         | Operating Temperature            | -40°C ~ 105°C (TA)                                                                |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                               | 1 Core, 32-Bit                                                                                    | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                     |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                         | 7 Weeks                                                                                           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                        |
| Graphics Acceleration                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                                                                               | Ethernet                         | 10/100 Mbps (1)                                                                   |
| Display & Interface Controllers                                                                                                                                                                                                                                                                                                                                                                                                         | Keyboard, LCD, Touchscreen                                                                        | Detailed Description             | ARM® Cortex®-A5 Microprocessor IC SAMA5D2 1 Core, 32-Bit 500MHz 289-LFBGA (14x14) |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                          | ARM® Cortex®-A5                                                                                   | Co-Processors/DSP                | Multimedia; NEON™ MPE                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                        | ATSAMA5D26                                                                                        | Additional Interfaces            | I²C, SMC, SPI, UART, USART, QSPI                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAMA5D27A-CNR</a><br>Description: IC MCU 32BIT EXT MEM 289LFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D26B-CU</a><br>Description: IC MCU 32BIT EXT MEM 289LFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D27A-CN</a><br>Description: IC MCU 32BIT EXT MEM 289LFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D26A-CUR</a><br>Description: IC MCU 32BIT EXT MEM 289LFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D27-SOM1-EK1</a><br>Description: EVAL BOARD FOR SAMA5D27   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D26A-CN</a><br>Description: IC MCU 32BIT EXT MEM 289LFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D24C-CU</a><br>Description: IC MCU 32BIT EXT MEM 256TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D27B-CN</a><br>Description: IC MCU 32BIT EXT MEM 289LFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATSAMA5D27-SOM1</a><br>Description: SAMA5D2 SYST.ON MODULE 1      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D26B-CNR</a><br>Description: IC MCU 32BIT EXT MEM 289LFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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| Related keywords for ATSAMA5D26C-CN          |                                     |                                        |                      |
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