

ATSAMA5D27C-CNR



Part Number: [ATSAMA5D27C-CNR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT EXT MEM 289LFBGA

Data sheet:  [SAMA5D2 Series](#)

RoHs Status: Lead free / RoHS Compliant

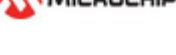
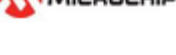
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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                   |                                 |                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | ATSAMA5D27C-CNR                                                                                   | 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                                                                                                                                                                                                                                                                                                                                                                                                                       | 12900 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                       | Tape & Reel (TR)                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                           | 289-LFBGA                                                                                         | Other Names                     | ATSAMA5D27C-CNRTR                             |
| 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                | ATSAMA5D27                                    |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                    | I²C, SMC, SPI, UART, USART, QSPI                                                                  |                                 |                                               |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 12900 pieces of Micrel / Microchip Technology ATSAMA5D27C-CNR in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: info@Components-World.com |                                                                                                   |                                 |                                               |

| RELATED PRODUCTS                                                                   |                                                                                             |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAMA5D27C-D1G-CU</a><br>Description: BGA GREEN, IND TEMP,MRLC,1GBIT D  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D27A-CUR</a><br>Description: IC MCU 32BIT EXT MEM 289LFBGA        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D27C-D1G-CUR</a><br>Description: BGA GREEN, IND TEMP,MRLC,1GBIT D | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D27C-D5M-CU</a><br>Description: BGA GREEN, IND TEMP,MRLC,512MBIT  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D28A-CN</a><br>Description: IC MCU 32BIT EXT MEM 289LFBGA         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D27B-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="#">ATSAMA5D27A-CN</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 <b>ATSAMA5D27C-CNR</b>   |                                      |                                        |                       |
| Micrel / Microchip Technology ATSAMA5D27C-CNR | ATSAMA5D27C-CNR distributor          | ATSAMA5D27C-CNR supplier               | ATSAMA5D27C-CNR price |
| ATSAMA5D27C-CNR download datasheet            | ATSAMA5D27C-CNR datasheet            | ATSAMA5D27C-CNR stock                  | buy ATSAMA5D27C-CNR   |
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|                                               |                                      | ATSAMA5D27C-CNR                        |                       |