



Micrel / Microchip Technology



ATSAMA5D27C-CN

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMA5D27C-CN                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                        |
| Product description | IC MCU 32BIT EXT MEM 289LFBGA                                                                                        |
| Datasheets:         |  <a href="#">ATSAMA5D27C-CN.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant         |
| Stock Condition     | 10998 pcs stock                                                                                                      |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of ATSAMA5D27C-CN

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMA5D27C-CN                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT EXT MEM 289LFBGA                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                             |
| QUANTITY AVAILABLE               | 10998 pcs                                                                                                              |
| DATA SHEET                       |  <a href="#">ATSAMA5D27C-CN.pdf</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)                                                                                                          |
| 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                                                                                       |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATSAMA5D27C-CN | ATSAMA5D27C-CN Distributor             | ATSAMA5D27C-CN Supplier                               |
| ATSAMA5D27C-CN Price                         | ATSAMA5D27C-CN Pictures                | ATSAMA5D27C-CN Image                                  |
| ATSAMA5D27C-CN PDF Datasheet                 | ATSAMA5D27C-CN Download Datasheet      | ATSAMA5D27C-CN Datasheet                              |
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| Micrel / Microchip Technology ATSAMA5D27C-CN | Microchip Technology ATSAMA5D27C-CN    | Roving Networks / Microchip Technology ATSAMA5D27C-CN |

Related Products

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| <div></div> <div><b>ATSAMA5D27C-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: 11110 pcs</div> <div>RFQ</div>      | <div></div> <div><b>ATSAMA5D27C-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: 10528 pcs</div> <div>RFQ</div>        |
| <div></div> <div><b>ATSAMA5D27B-CN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: 12400 pcs</div> <div>RFQ</div>       | <div></div> <div><b>ATSAMA5D27C-D1G-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BGA GREEN, IND TEMP,MRLC,1GBIT D<br/>In stock: 5941 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>ATSAMA5D27B-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: 11506 pcs</div> <div>RFQ</div>      | <div></div> <div><b>ATSAMA5D27C-D1G-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BGA GREEN, IND TEMP,MRLC,1GBIT D<br/>In stock: 4670 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>ATSAMA5D27C-CNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: 10554 pcs</div> <div>RFQ</div>      | <div></div> <div><b>ATSAMA5D27A-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: 3160 pcs</div> <div>RFQ</div>         |
| <div></div> <div><b>ATSAMA5D27C-D5M-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BGA GREEN, IND TEMP,MRLC,512MBIT<br/>In stock: 7091 pcs</div> <div>RFQ</div> | <div></div> <div><b>ATSAMA5D27A-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: 6380 pcs</div> <div>RFQ</div>        |
| <div></div> <div><b>ATSAMA5D27B-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: 11571 pcs</div> <div>RFQ</div>       | <div></div> <div><b>ATSAMA5D27B-CNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: 13337 pcs</div> <div>RFQ</div>       |