



**ATSAM4S4CA-CU**

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM4S4CA-CU                                                                                                |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 256KB FLASH 100BGA                                                                              |
| Datasheets:         | <a href="#">PDF 1.ATSAM4S4CA-CU.pdf</a><br><a href="#">PDF 2.ATSAM4S4CA-CU.pdf</a>                           |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

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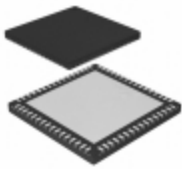
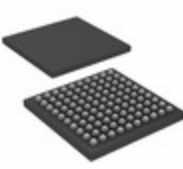
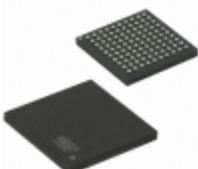
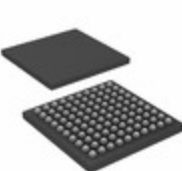
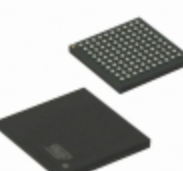
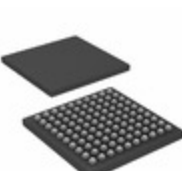
**Specifications of ATSAM4S4CA-CU**

|                                  |                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM4S4CA-CU                                                                                 |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                 |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 100BGA                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                    |
| DATA SHEET                       | <a href="#">PDF 1.ATSAM4S4CA-CU.pdf</a><br><a href="#">PDF 2.ATSAM4S4CA-CU.pdf</a>            |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                |
| SUPPLIER DEVICE PACKAGE          | 100-TFBGA (9x9)                                                                               |
| SPEED                            | 120MHz                                                                                        |
| SERIES                           | SAM4S                                                                                         |
| RAM SIZE                         | 64K x 8                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                         |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                              |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                    |
| PACKAGING                        | Tray                                                                                          |
| PACKAGE / CASE                   | 100-TFBGA                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                             |
| NUMBER OF I/O                    | 79                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                 |
| MANUFACTURER STANDARD LEAD TIME  | 13 Weeks                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                    |
| EEPROM SIZE                      | -                                                                                             |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 SAM4S Microcontroller IC 32-Bit 120MHz 256KB (256K x 8) FLASH 100-TFBGA (9x9) |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                                         |
| CORE SIZE                        | 32-Bit                                                                                        |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                               |
| CONNECTIVITY                     | EBI/EMI, I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB                                    |
| BASE PART NUMBER                 | ATSAM4S4                                                                                      |

**Related Tags**

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATSAM4S4CA-CU | ATSAM4S4CA-CU Distributor              | ATSAM4S4CA-CU Supplier                               |
| ATSAM4S4CA-CU Price                         | ATSAM4S4CA-CU Pictures                 | ATSAM4S4CA-CU Image                                  |
| ATSAM4S4CA-CU PDF Datasheet                 | ATSAM4S4CA-CU Download Datasheet       | ATSAM4S4CA-CU Datasheet                              |
| ATSAM4S4CA-CU Stock                         | Buy ATSAM4S4CA-CU                      | Buy Micrel / Microchip Technology ATSAM4S4CA-CU      |
| Micrel / Microchip Technology ATSAM4S4CA-CU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATSAM4S4CA-CU | Microchip Technology ATSAM4S4CA-CU     | Roving Networks / Microchip Technology ATSAM4S4CA-CU |

**Related Products**

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |
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|  <p><b>ATSAM4S4BB-MNR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: Out stock</p> <p><a href="#">RFQ</a></p>                  |  <p><b>ATSAM4S4CB-CFN</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100BGA<br/> In stock: Out stock</p> <p><a href="#">RFQ</a></p> |
|  <p><b>ATSAM4S4CB-CN</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100BGA<br/> In stock: Out stock</p> <p><a href="#">RFQ</a></p>  |  <p><b>ATSAM4S4BB-UUR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: Out stock</p> <p><a href="#">RFQ</a></p>                  |
|  <p><b>ATSAM4S4CB-ANR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: 990 pcs</p> <p><a href="#">RFQ</a></p>                    |  <p><b>ATSAM4S4CA-AU</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/> In stock: 252 pcs</p> <p><a href="#">RFQ</a></p>   |
|  <p><b>ATSAM4S4CA-CFU</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100BGA<br/> In stock: 520 pcs</p> <p><a href="#">RFQ</a></p>   |  <p><b>ATSAM4S4CB-CNR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: Out stock</p> <p><a href="#">RFQ</a></p>                  |
|  <p><b>ATSAM4S4CB-AN</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/> In stock: Out stock</p> <p><a href="#">RFQ</a></p> |  <p><b>ATSAM4S4CA-AN</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/> In stock: Out stock</p> <p><a href="#">RFQ</a></p> |
|  <p><b>ATSAM4S4CB-CFNR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: Out stock</p> <p><a href="#">RFQ</a></p>                 |  <p><b>ATSAM4S4CA-AUR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: Out stock</p> <p><a href="#">RFQ</a></p>                  |