


**MICROCHIP**

**Micrel / Microchip Technology**

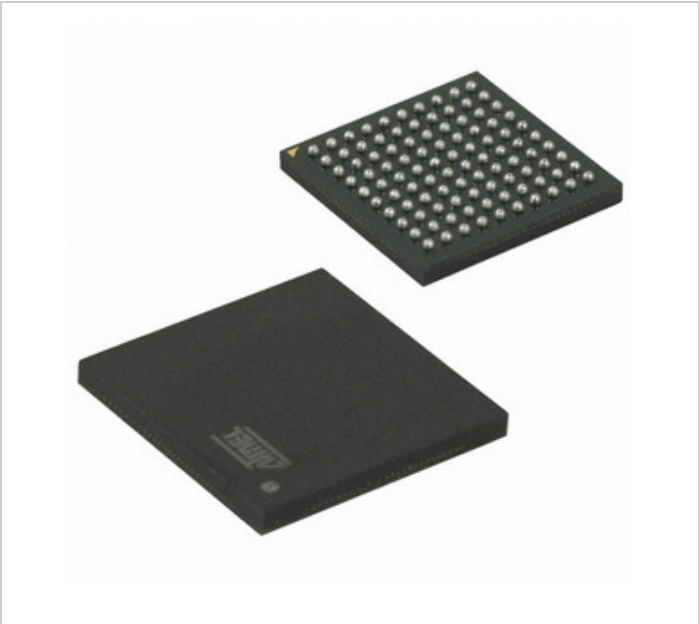


Image may be representation. See specifications for product details.

**ATSAM3S4CA-CU**

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM3S4CA-CU                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                       |
| Product description | IC MCU 32BIT 256KB FLASH 100BGA                                                                                     |
| Datasheets:         |  <a href="#">ATSAM3S4CA-CU.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Stock Condition     | 14713 pcs stock                                                                                                     |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

[REQUEST FOR QUOTATION](#)

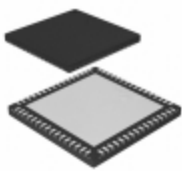
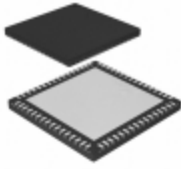
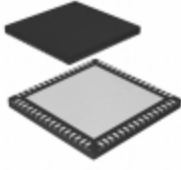
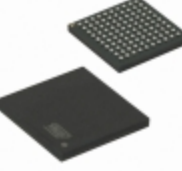
**Specifications of ATSAM3S4CA-CU**

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM3S4CA-CU                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                         |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 100BGA                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| QUANTITY AVAILABLE               | 14713 pcs                                                                                                             |
| DATA SHEET                       |  <a href="#">ATSAM3S4CA-CU.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 100-TFBGA (9x9)                                                                                                       |
| SPEED                            | 64MHz                                                                                                                 |
| SERIES                           | SAM3S                                                                                                                 |
| RAM SIZE                         | 48K x 8                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                 |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                      |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                       |
| PACKAGING                        | Tray                                                                                                                  |
| PACKAGE / CASE                   | 100-TFBGA                                                                                                             |
| OTHER NAMES                      | ATSAM3S4CACU                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                     |
| NUMBER OF I/O                    | 79                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| EEPROM SIZE                      | -                                                                                                                     |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 SAM3S Microcontroller IC 32-Bit 64MHz 256KB (256K x 8) FLASH 100-TFBGA (9x9)                          |
| DATA CONVERTERS                  | A/D 15x10/12b, D/A 2x12b                                                                                              |
| CORE SIZE                        | 32-Bit                                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                       |
| CONNECTIVITY                     | EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB                                                                  |
| BASE PART NUMBER                 | ATSAM3S4                                                                                                              |

**Related Tags**

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATSAM3S4CA-CU | ATSAM3S4CA-CU Distributor              | ATSAM3S4CA-CU Supplier                               |
| ATSAM3S4CA-CU Price                         | ATSAM3S4CA-CU Pictures                 | ATSAM3S4CA-CU Image                                  |
| ATSAM3S4CA-CU PDF Datasheet                 | ATSAM3S4CA-CU Download Datasheet       | ATSAM3S4CA-CU Datasheet                              |
| ATSAM3S4CA-CU Stock                         | Buy ATSAM3S4CA-CU                      | Buy Micrel / Microchip Technology ATSAM3S4CA-CU      |
| Micrel / Microchip Technology ATSAM3S4CA-CU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATSAM3S4CA-CU | Microchip Technology ATSAM3S4CA-CU     | Roving Networks / Microchip Technology ATSAM3S4CA-CU |

**Related Products**

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>ATSAM3S4CA-CUR</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 100BGA<br>In stock: 19777 pcs<br><a href="#">RFQ</a>          |  <b>ATSAM3S4BA-MUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64QFN<br>In stock: 17223 pcs<br><a href="#">RFQ</a>   |
|  <b>ATSAM3S8BA-AUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br>In stock: 16983 pcs<br><a href="#">RFQ</a> |  <b>ATSAM3S4CA-AUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 23101 pcs<br><a href="#">RFQ</a> |
|  <b>ATSAM3S8BA-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64QFN<br>In stock: 15583 pcs<br><a href="#">RFQ</a>   |  <b>ATSAM3S8BA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br>In stock: 22609 pcs<br><a href="#">RFQ</a>   |
|  <b>ATSAM3S4BA-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64QFN<br>In stock: 20271 pcs<br><a href="#">RFQ</a>   |  <b>ATSAM3S4CA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 17327 pcs<br><a href="#">RFQ</a>  |
|  <b>ATSAM3S8BA-AUR</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br>In stock: 3928 pcs<br><a href="#">RFQ</a>           |  <b>ATSAM3S4BA-AUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br>In stock: 19307 pcs<br><a href="#">RFQ</a>  |
|  <b>ATSAM3S4CA-AUR</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 18607 pcs<br><a href="#">RFQ</a>         |  <b>ATSAM3S4CA-CUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 100BGA<br>In stock: 17943 pcs<br><a href="#">RFQ</a>  |