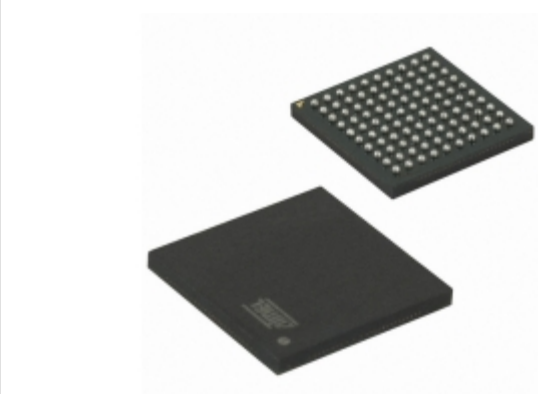


ATSAM3N2CA-CU





Part Number: [ATSAM3N2CA-CU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 128KB FLASH 100BGA

Data sheet:  [SAM3N Series Summary](#)

RoHs Status: Lead free / RoHS Compliant

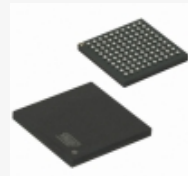
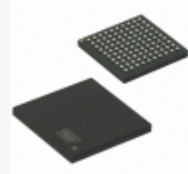
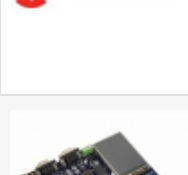
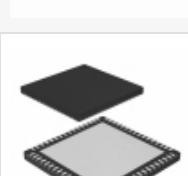
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                              |                                  |                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ATSAM3N2CA-CU                                                                                | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 32BIT 128KB FLASH 100BGA                                                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4625 pcs                                                                                     | Data sheet                       | <a href="#">SAM3N Series Summary</a>          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a>                                                    | Voltage - Supply (Vcc/Vdd)       | 1.62 V ~ 3.6 V                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100-TFBGA (9x9)                                                                              | Speed                            | 48MHz                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SAM3N                                                                                        | RAM Size                         | 16K x 8                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FLASH                                                                                        | Program Memory Size              | 128KB (128K x 8)                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                   | Packaging                        | Tray                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 100-TFBGA                                                                                    | Other Names                      | ATSAM3N2CACU                                  |
| 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 SAM3N Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH 100-TFBGA (9x9) | Data Converters                  | A/D 16x10b; D/A 1x10b                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 32-Bit                                                                                       | Core Processor                   | ARM® Cortex®-M3                               |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | I²C, IrDA, SPI, UART/USART                                                                   | Base Part Number                 | ATSAM3N2                                      |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAM3N2CA-AU</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N4CA-CU</a><br>Description: IC MCU 32BIT 256KB FLASH 100BGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N2BA-AU</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1CB-CU</a><br>Description: IC MCU 32BIT 64KB FLASH 100TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N2AA-AU</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N4AA-AU</a><br>Description: IC MCU 32BIT 256KB FLASH 48LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1CA-CU</a><br>Description: IC MCU 32BIT 64KB FLASH 100TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3S1AA-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N4AA-MU</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3S-EK2</a><br>Description: EVAL KIT FOR SAM3S8 & SAM3SD8       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N4BA-MU</a><br>Description: IC MCU 32BIT 256KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N4CA-AU</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1CB-AUR</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3S1AA-AUR</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1CB-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N2BA-MU</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N2AA-MU</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3S-EK</a><br>Description: KIT EVAL FOR ATSAM3S4C               | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1CB-CUR</a><br>Description: IC MCU 32BIT 64KB FLASH 100TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N4BA-AU</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

| Related keywords for ATSAM3N2CA-CU          |                                    |                                        |                     |
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