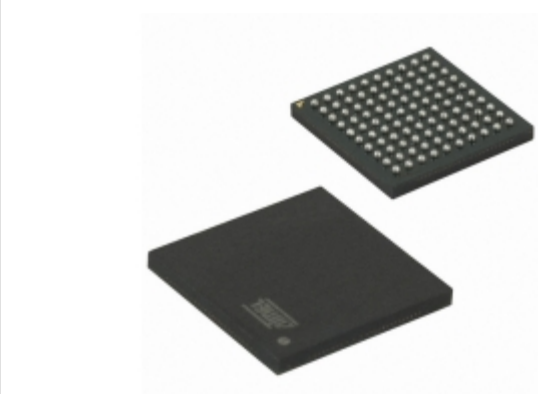


ATSAM4E16CB-CNR





Part Number: [ATSAM4E16CB-CNR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 1MB FLASH 100TFBGA

Data sheet:  [SAM4E Series Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

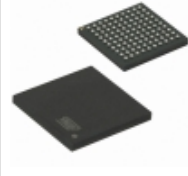
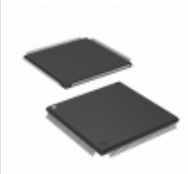
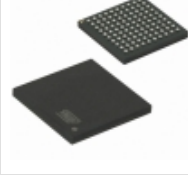
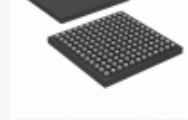
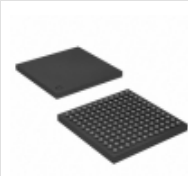
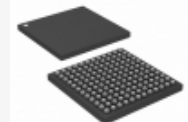
Ship From: Hong Kong

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

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

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |                                  |                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | ATSAM4E16CB-CNR                            | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 32BIT 1MB FLASH 100TFBGA            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 14768 pcs                                  | Data sheet                       | <a href="#">SAM4E Series Datasheet</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                            | 120MHz                                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                   | SAM4E                                      | RAM Size                         | 128K x 8                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                      | Program Memory Size              | 1MB (1M x 8)                                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Tape & Reel (TR)                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                           | 100-TFBGA                                  | Other Names                      | ATSAM4E16CB-CNR-ND<br>ATSAM4E16CB-CNRTR                                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                   | Operating Temperature            | -40°C ~ 105°C (TA)                                                                        |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                            | 79                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                             |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                          | 16 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                          | Detailed Description             | ARM® Cortex®-M4 SAM4E Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 100-TFBGA (9x9) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 16x12b, D/A 2x12b                      | Core Size                        | 32-Bit                                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-M4                            | Connectivity                     | CANbus, Ethernet, IrDA, MMC/SD, SPI, UART/USART, USB                                      |
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|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|
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|  | Part#: <a href="#">ATSAM4E16CB-CN</a><br>Description: IC MCU 32BIT 1MB FLASH 144TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16CA-AN</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E-XPRO</a><br>Description: SAM4E XPLAINED PRO EVAL KIT        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16EB-AN</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16EA-ANR</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16CA-CUR</a><br>Description: IC MCU 32BIT 1MB FLASH 100TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16CB-AN</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16EA-AU</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16EB-ANR</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16CA-CU</a><br>Description: IC MCU 32BIT 1MB FLASH 100TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16EB-CN</a><br>Description: IC MCU 32BIT 1MB FLASH 144LFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16CA-ANR</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16EA-AN</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16CB-ANR</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16EA-AUR</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16EA-CU</a><br>Description: IC MCU 32BIT 1MB FLASH 144LFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16EB-CNR</a><br>Description: SRAM                            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16CA-AU</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATSAM4E16EA-CUR</a><br>Description: IC MCU 32BIT 1MB FLASH 144LFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |

| Related keywords for ATSAM4E16CB-CNR          |                                      |                                        |                       |
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