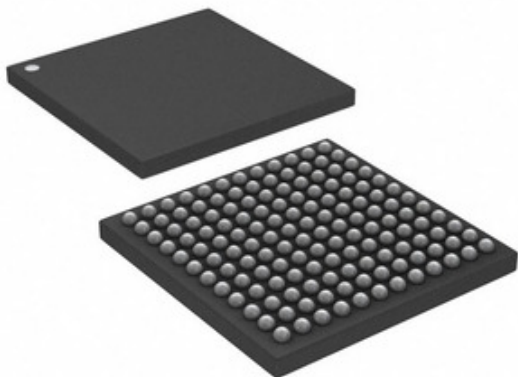




**Micrel / Microchip Technology**



**ATSAM4E16EB-CNR**

|                     |                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM4E16EB-CNR                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                         |
| Product description | SRAM                                                                                                                  |
| Datasheets:         |  <a href="#">ATSAM4E16EB-CNR.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant          |
| Stock Condition     | 9267 pcs stock                                                                                                        |
| Ship From           | Hong Kong                                                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                 |

REQUEST FOR QUOTATION

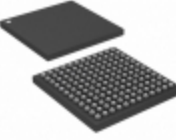
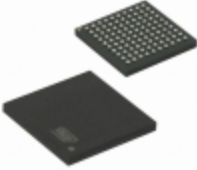
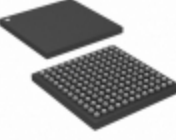
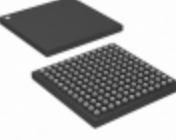
Specifications of ATSAM4E16EB-CNR

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM4E16EB-CNR                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                           |
| DESCRIPTION                      | SRAM                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| QUANTITY AVAILABLE               | 9267 pcs                                                                                                                |
| DATA SHEET                       |  <a href="#">ATSAM4E16EB-CNR.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 144-LFBGA (10x10)                                                                                                       |
| 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                        | Original-Reel®                                                                                                          |
| PACKAGE / CASE                   | 144-LFBGA                                                                                                               |
| OTHER NAMES                      | ATSAM4E16EB-CNRDKR                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                      |
| NUMBER OF I/O                    | 117                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                           |
| 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 144-LFBGA (10x10)                             |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                                                                   |
| CORE SIZE                        | 32-Bit                                                                                                                  |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                         |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, IrDA, SD, SPI, UART/USART, USB                                                               |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAM4E16EB-CNR | ATSAM4E16EB-CNR Distributor            | ATSAM4E16EB-CNR Supplier                               |
| ATSAM4E16EB-CNR Price                         | ATSAM4E16EB-CNR Pictures               | ATSAM4E16EB-CNR Image                                  |
| ATSAM4E16EB-CNR PDF Datasheet                 | ATSAM4E16EB-CNR Download Datasheet     | ATSAM4E16EB-CNR Datasheet                              |
| ATSAM4E16EB-CNR Stock                         | Buy ATSAM4E16EB-CNR                    | Buy Micrel / Microchip Technology ATSAM4E16EB-CNR      |
| Micrel / Microchip Technology ATSAM4E16EB-CNR | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAM4E16EB-CNR | Microchip Technology ATSAM4E16EB-CNR   | Roving Networks / Microchip Technology ATSAM4E16EB-CNR |

Related Products

|                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div> <b>ATSAM4E8CA-ANR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 17724 pcs </div> <div>RFQ</div> |  <div> <b>ATSAM4E8CA-CUR</b> </div> <div> Manufacturers: Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100BGA<br/> In stock: 14321 pcs </div> <div>RFQ</div>           |
|  <div> <b>ATSAM4E16EB-ANR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/> In stock: 11548 pcs </div> <div>RFQ</div>  |  <div> <b>ATSAM4E8CA-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 17250 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAM4E8CA-AN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 13363 pcs </div> <div>RFQ</div>  |  <div> <b>ATSAM4E16EB-AN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/> In stock: 9904 pcs </div> <div>RFQ</div>    |
|  <div> <b>ATSAM4E16EB-CN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 144LFBGA<br/> In stock: 20877 pcs </div> <div>RFQ</div>  |  <div> <b>ATSAM4E8CA-AUR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 13609 pcs </div> <div>RFQ</div> |
|  <div> <b>ATSAM4E8CA-CU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100BGA<br/> In stock: 12120 pcs </div> <div>RFQ</div>   |  <div> <b>ATSAM4E16EA-CU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 144LFBGA<br/> In stock: 10572 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAM4E16EB-AN</b> </div> <div> Manufacturers: Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/> In stock: 23663 pcs </div> <div>RFQ</div>            |  <div> <b>ATSAM4E16EA-CUR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 144LFBGA<br/> In stock: 11918 pcs </div> <div>RFQ</div> |