



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAM4E8CA-AU**

|                     |                                                                                                                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM4E8CA-AU                                                                                                                                                                                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                         |
| Product description | IC MCU 32BIT 512KB FLASH 100LQFP                                                                                                                                                                                                                                      |
| Datasheets:         | <div>  <a href="#">1.ATSAM4E8CA-AU.pdf</a> </div> <div>  <a href="#">2.ATSAM4E8CA-AU.pdf</a> </div> |
| RoHs Status         | <div>  Lead free / RoHS Compliant </div>                                                                                                                                             |
| Stock Condition     | 17250 pcs stock                                                                                                                                                                                                                                                       |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                 |

REQUEST FOR QUOTATION

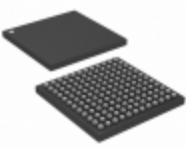
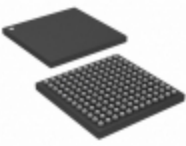
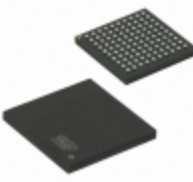
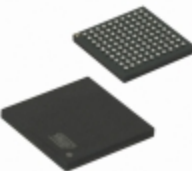
Specifications of ATSAM4E8CA-AU

|                                  |                                                                                                                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM4E8CA-AU                                                                                                                                                                                                                                                             |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 100LQFP                                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                |
| QUANTITY AVAILABLE               | 17250 pcs                                                                                                                                                                                                                                                                 |
| DATA SHEET                       | <div>  <a href="#">1.ATSAM4E8CA-AU.pdf</a> </div> <div>  <a href="#">2.ATSAM4E8CA-AU.pdf</a> </div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                                                                                                                                                                          |
| SPEED                            | 120MHz                                                                                                                                                                                                                                                                    |
| SERIES                           | SAM4E                                                                                                                                                                                                                                                                     |
| RAM SIZE                         | 128K x 8                                                                                                                                                                                                                                                                  |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                     |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                                                                                                                                                                          |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                      |
| PACKAGE / CASE                   | 100-LQFP                                                                                                                                                                                                                                                                  |
| 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®-M4 SAM4E Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)                                                                                                                                                                            |
| 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                                                                                                                                                                                                                      |
| BASE PART NUMBER                 | ATSAM4E8                                                                                                                                                                                                                                                                  |

Related Tags

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATSAM4E8CA-AU | ATSAM4E8CA-AU Distributor              | ATSAM4E8CA-AU Supplier                               |
| ATSAM4E8CA-AU Price                         | ATSAM4E8CA-AU Pictures                 | ATSAM4E8CA-AU Image                                  |
| ATSAM4E8CA-AU PDF Datasheet                 | ATSAM4E8CA-AU Download Datasheet       | ATSAM4E8CA-AU Datasheet                              |
| ATSAM4E8CA-AU Stock                         | Buy ATSAM4E8CA-AU                      | Buy Micrel / Microchip Technology ATSAM4E8CA-AU      |
| Micrel / Microchip Technology ATSAM4E8CA-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATSAM4E8CA-AU | Microchip Technology ATSAM4E8CA-AU     | Roving Networks / Microchip Technology ATSAM4E8CA-AU |

Related Products

|                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div> <b>ATSAM4E8CB-ANR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: 100LQFP,GREEN,EXT TEMP,MRL B,T&amp;R<br/> In stock: 13137 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>ATSAM4E8CB-AN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 15074 pcs </div> <div> RFQ </div>      |  <div> <b>ATSAM4E16EB-CNR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: SRAM<br/> In stock: 9267 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>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>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>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: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100BGA<br/> In stock: 16183 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-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>   |