



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAM4CMS8CA-AU**

|                     |                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM4CMS8CA-AU                                                                                                                                                                                                                                                           |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                             |
| Product description | IC MCU 32BIT 512KB FLASH 100LQFP                                                                                                                                                                                                                                          |
| Datasheets:         | <div>  <a href="#">1.ATSAM4CMS8CA-AU.pdf</a> </div> <div>  <a href="#">2.ATSAM4CMS8CA-AU.pdf</a> </div> |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                              |
| Stock Condition     | 5716 pcs stock                                                                                                                                                                                                                                                            |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                 |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                     |

REQUEST FOR QUOTATION

Specifications of ATSAM4CMS8CA-AU

|                                  |                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM4CMS8CA-AU                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 100LQFP                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 5716 pcs                                                                                                                                                                                                                                                                      |
| DATA SHEET                       | <div>  <a href="#">1.ATSAM4CMS8CA-AU.pdf</a> </div> <div>  <a href="#">2.ATSAM4CMS8CA-AU.pdf</a> </div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                                                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                                                                                                                                                                              |
| SPEED                            | 120MHz                                                                                                                                                                                                                                                                        |
| SERIES                           | SAM4CM                                                                                                                                                                                                                                                                        |
| RAM SIZE                         | 128K x 8                                                                                                                                                                                                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                                                                                                                                                                              |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                                                                                                                                                                                               |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 100-LQFP                                                                                                                                                                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                             |
| NUMBER OF I/O                    | 57                                                                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                    |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                             |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4F SAM4CM Microcontroller IC 32-Bit Dual-Core 120MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)                                                                                                                                                                    |
| DATA CONVERTERS                  | A/D 6x10b                                                                                                                                                                                                                                                                     |
| CORE SIZE                        | 32-Bit Dual-Core                                                                                                                                                                                                                                                              |
| CORE PROCESSOR                   | ARM® Cortex®-M4F                                                                                                                                                                                                                                                              |
| CONNECTIVITY                     | EBI/EMI, I²C, IrDA, SPI, UART/USART                                                                                                                                                                                                                                           |
| BASE PART NUMBER                 | ATSAM4CMS8                                                                                                                                                                                                                                                                    |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAM4CMS8CA-AU | ATSAM4CMS8CA-AU Distributor            | ATSAM4CMS8CA-AU Supplier                               |
| ATSAM4CMS8CA-AU Price                         | ATSAM4CMS8CA-AU Pictures               | ATSAM4CMS8CA-AU Image                                  |
| ATSAM4CMS8CA-AU PDF Datasheet                 | ATSAM4CMS8CA-AU Download Datasheet     | ATSAM4CMS8CA-AU Datasheet                              |
| ATSAM4CMS8CA-AU Stock                         | Buy ATSAM4CMS8CA-AU                    | Buy Micrel / Microchip Technology ATSAM4CMS8CA-AU      |
| Micrel / Microchip Technology ATSAM4CMS8CA-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAM4CMS8CA-AU | Microchip Technology ATSAM4CMS8CA-AU   | Roving Networks / Microchip Technology ATSAM4CMS8CA-AU |

Related Products

|                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div> <b>ATSAM4CMS4CB-AUR</b> </div> <div> Manufacturers: Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/> In stock: 9443 pcs </div> <div>RFQ</div>           |  <div> <b>ATSAM4CMS4CC-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/> In stock: 17380 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAM4CMS8CB-AUR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 14042 pcs </div> <div>RFQ</div> |  <div> <b>ATSAM4CMS8CC-AUR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 14926 pcs </div> <div>RFQ</div> |
|  <div> <b>ATSAM4CMS8CB-AUR</b> </div> <div> Manufacturers: Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 7507 pcs </div> <div>RFQ</div>           |  <div> <b>ATSAM4CMS4CB-AUR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/> In stock: 4802 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAM4CMS8CB-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 14543 pcs </div> <div>RFQ</div>  |  <div> <b>ATSAM4CMS32CB-AUR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/> In stock: 12185 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAM4CMS8CA-AUR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 6431 pcs </div> <div>RFQ</div>  |  <div> <b>ATSAM4CMS8CC-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 16055 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAM4CMS4CC-AUR</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/> In stock: 17881 pcs </div> <div>RFQ</div> |  <div> <b>ATSAM4CMS4CB-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/> In stock: 17798 pcs </div> <div>RFQ</div>  |