

ATSAM4CMS4CB-AUR



Part Number: [ATSAM4CMS4CB-AUR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 256KB FLASH 100LQFP

Data sheet:  [SAM4CM Series Datasheet](#)  
 [Smart Energy Solutions Guide](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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See Product Specifications for product details.  
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| PRODUCT PARAMETER              |                                                                                                            |                                  |                                                                                   |
|--------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------|
| Part Number                    | ATSAM4CMS4CB-AUR                                                                                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                     |
| Description                    | IC MCU 32BIT 256KB FLASH 100LQFP                                                                           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                        |
| Quantity Available             | 4096 pcs                                                                                                   | Data sheet                       | <a href="#">SAM4CM Series Datasheet</a><br><a href="#">Smart Energy Solutions</a> |
| Category                       | <a href="#">Integrated Circuits (ICs)</a>                                                                  | Voltage - Supply (Vcc/Vdd)       | <a href="#">Guide</a><br>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              | 256KB (256K x 8)                                                                  |
| Peripherals                    | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                            | Packaging                        | Tape & Reel (TR)                                                                  |
| Package / Case                 | 100-LQFP                                                                                                   | Other Names                      | ATSAM4CMS4CB-AURTR                                                                |
| 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 256KB (256K 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                 | ATSAM4CMS4                                                                        |

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