

ATSAM4CMP8CA-AUR



Part Number: [ATSAM4CMP8CA-AUR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 100LQFP

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

RoHs Status: Lead free / RoHS Compliant

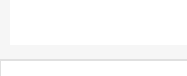
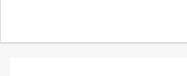
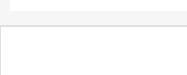
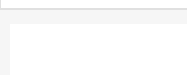
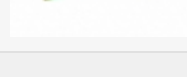
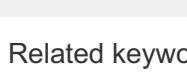
Ship From: Hong Kong

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

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                            |                                  |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ATSAM4CMP8CA-AUR                                                                                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 512KB FLASH 100LQFP                                                                           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6510 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              | 512KB (512K x 8)                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                            | Packaging                        | Cut Tape (CT)                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100-LQFP                                                                                                   | Other Names                      | ATSAM4CMP8CA-AURCT                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                                                                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 52                                                                                                         | 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                 | ATSAM4CMP8                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAM4CMS16CA-AU</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4CMP8CC-AU</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATSAM4CMS-DB</a><br>Description: SAM4CMS DEMO BOARD                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4CMP16CB-AU</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATSAM4CMP32-DB</a><br>Description: BOARD DEMO FOR SAM4CMP32           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for **ATSAM4CMP8CA-AUR**

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