

ATSAM4LC2AA-AUR



Part Number: [ATSAM4LC2AA-AUR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 128KB FLASH 48TQFP

Data sheet:  [SAM4L Series Summary](#)  
 [SAM4L Flyer](#)  
 [SAM4L8,L4,L2 Series Complete](#)

RoHs Status: Lead free / RoHS Compliant

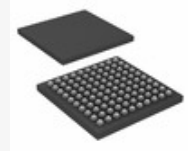
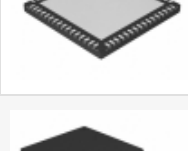
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                   |                                  |                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ATSAM4LC2AA-AUR                                                   | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 128KB FLASH 48TQFP                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 50741 pcs                                                         | Data sheet                       | <a href="#">SAM4L Series Summary</a><br><a href="#">SAM4L Flyer</a><br><a href="#">SAM4L8,L4,L2 Series Complete</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                         | Voltage - Supply (Vcc/Vdd)       | 1.68 V ~ 3.6 V                                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 48-TQFP (7x7)                                                     | Speed                            | 48MHz                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SAM4L                                                             | RAM Size                         | 32K x 8                                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                                             | Program Memory Size              | 128KB (128K x 8)                                                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT | Packaging                        | Cut Tape (CT)                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 48-TQFP                                                           | Other Names                      | 1611-ATSAM4LC2AA-AURCT                                                                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                                          | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                   |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 27                                                                | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                       |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16 Weeks                                                          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                          |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                 | Detailed Description             | ARM® Cortex®-M4 SAM4L Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH 48-TQFP (7x7)                          |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 3x12b, D/A 1x10b                                              | Core Size                        | 32-Bit                                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ARM® Cortex®-M4                                                   | Connectivity                     | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAM4LC2AA-MUR</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4L-XPRO</a><br>Description: SAM4L XPLAINED PRO EVAL KIT         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4L-XSTK</a><br>Description: SAM4L XPLAINED PRO STARTER KIT      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC2CA-CFU</a><br>Description: IC MCU 32BIT 128KB FLASH 100BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4E8EB-AN</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC2BA-AUR</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC2BA-AU</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC2AA-AU</a><br>Description: IC MCU 32BIT 128KB FLASH 48TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC2BA-MU</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC2BA-MUR</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC2BA-UUR</a><br>Description: IC MCU 32BIT 128KB FLASH 64WLCSP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4L8-XSTK</a><br>Description: SAM4L XPLAINED PRO STARTER KIT     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4E8EB-ANR</a><br>Description: SRAM                              | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC2CA-AU</a><br>Description: IC MCU 32BIT 128KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4E8EB-CN</a><br>Description: IC MCU 32BIT 512KB FLASH 144BGA    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC2AA-MU</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC2CA-AUR</a><br>Description: IC MCU 32BIT 128KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4E8EB-CNR</a><br>Description: IC MCU 32BIT 512KB FLASH 144BGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4L8-XPRO</a><br>Description: SAM4L XPLAINED PRO EVAL KIT        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4L-EK</a><br>Description: EVAL KIT FOR SAM4LC CORTEX            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

| Related keywords for ATSAM4LC2AA-AUR          |                                      |                                        |                       |
|-----------------------------------------------|--------------------------------------|----------------------------------------|-----------------------|
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