

ATSAM4LC8BA-MUR



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**Part Number:** [ATSAM4LC8BA-MUR](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC MCU 32BIT 512KB FLASH 64QFN

**Data sheet:**  [SAM4L Series Summary](#)  
 [SAM4L Getting Started Appl Note](#)  
 [SAM4L Flyer](#)  
 [SAM4L8,L4,L2 Series Complete](#)

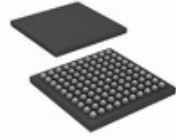
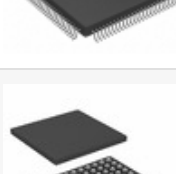
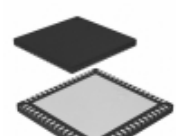
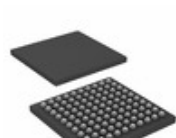
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                   |                                  |                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ATSAM4LC8BA-MUR                                                   | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 512KB FLASH 64QFN                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 14668 pcs                                                         | Data sheet                       | <a href="#">SAM4L Series Summary</a><br><a href="#">SAM4L Getting Started Appl Note</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 64-QFN (9x9)                                                      | Speed                            | 48MHz                                                                                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SAM4L                                                             | RAM Size                         | 64K x 8                                                                                                                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                                             | Program Memory Size              | 512KB (512K x 8)                                                                                                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT | Packaging                        | Tape & Reel (TR)                                                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 64-VFQFN Exposed Pad                                              | Other Names                      | ATSAM4LC8BA-MURTR                                                                                                                                                      |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                                          | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                      |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 43                                                                | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                          |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11 Weeks                                                          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                             |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                 | Detailed Description             | ARM® Cortex®-M4 SAM4L Microcontroller IC 32-Bit 48MHz 512KB (512K x 8) FLASH 64-QFN (9x9)                                                                              |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 7x12b, D/A 1x10b                                              | Core Size                        | 32-Bit                                                                                                                                                                 |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ARM® Cortex®-M4                                                   | Connectivity                     | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB                                                                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ATSAM4LC8                                                         |                                  |                                                                                                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAM4LS2BA-AU</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC4CA-AU</a><br>Description: IC MCU 32BIT 256KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC8CA-CFU</a><br>Description: IC MCU 32BIT 512KB FLASH 100BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC8AA-MUR</a><br>Description: IC MCU 32BIT 512KB FLASH 48QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC8BA-UUR</a><br>Description: IC MCU 32BIT 512KB FLASH 64WLCSP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LC8AA-MU</a><br>Description: IC MCU 32BIT 512KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4LS2AA-MUR</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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