

ATSAM4S8BA-AN



Part Number: [ATSAM4S8BA-AN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 64LQFP

Data sheet:  [SAM4S Series Datasheet](#)  
 [SAM4S Flyer](#)

RoHs Status: Lead free / RoHS Compliant

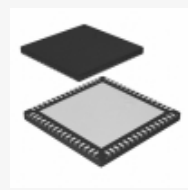
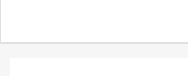
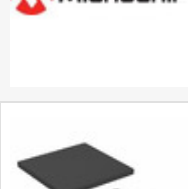
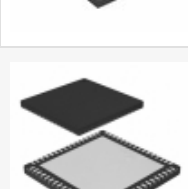
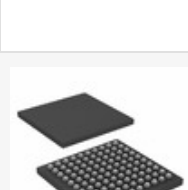
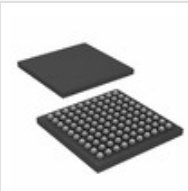
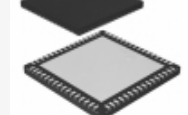
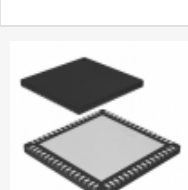
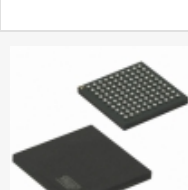
Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                               |                                 |                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ATSAM4S8BA-AN                                                                                 | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MCU 32BIT 512KB FLASH 64LQFP                                                               | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 26389 pcs                                                                                     | Data sheet                      | <a href="#">SAM4S Series Datasheet</a><br><a href="#">SAM4S Flyer</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a>                                                     | Voltage - Supply (Vcc/Vdd)      | 1.62 V ~ 3.6 V                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 64-LQFP (10x10)                                                                               | Speed                           | 120MHz                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SAM4S                                                                                         | RAM Size                        | 128K x 8                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FLASH                                                                                         | Program Memory Size             | 512KB (512K x 8)                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                    | Packaging                       | Tray                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 64-LQFP                                                                                       | Oscillator Type                 | Internal                                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -40°C ~ 105°C (TA)                                                                            | Number of I/O                   | 47                                                                    |
| 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 SAM4S Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 64-LQFP (10x10) | Data Converters                 | A/D 11x12b, D/A 2x12b                                                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 32-Bit                                                                                        | Core Processor                  | ARM® Cortex®-M4                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB                                             | Base Part Number                | ATSAM4S8                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAM4S8BA-UUR</a><br>Description: IC MCU 32BIT 512KB FLASH 64WLCSP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S8BA-MUR</a><br>Description: IC MCU 32BIT 512KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4CB-ANR</a><br>Description: FLASH,64K SRAM                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S8BA-AU</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4CA-CU</a><br>Description: IC MCU 32BIT 256KB FLASH 100BGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S8BB-AN</a><br>Description: FLASH,128K SRAM                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S8BA-ANR</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S8BB-ANR</a><br>Description: FLASH,128K SRAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4CB-CFNR</a><br>Description: FLASH,64K SRAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S8BA-MU</a><br>Description: IC MCU 32BIT 512KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4CB-AN</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4CA-CFU</a><br>Description: IC MCU 32BIT 256KB FLASH 100BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S8BA-AUR</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4CB-CNR</a><br>Description: FLASH,64K SRAM                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4CB-CFN</a><br>Description: IC MCU 32BIT 256KB FLASH 100BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S8BB-MNR</a><br>Description: FLASH,128K SRAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4CA-AU</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S8BB-MN</a><br>Description: FLASH,128K SRAM                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4CA-AUR</a><br>Description: FLASH,64K SRAM                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4CB-CN</a><br>Description: IC MCU 32BIT 256KB FLASH 100BGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for ATSAM4S8BA-AN

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