

ATSAM4S4CB-AN



Part Number: [ATSAM4S4CB-AN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 256KB FLASH 100LQFP

Data sheet:  [SAM4S Series Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

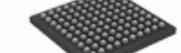
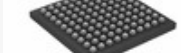
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                |                                 |                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                            | ATSAM4S4CB-AN                                                                                  | 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                                                                                                                                                                                                                                                                                                                                                                                                                     | 30937 pcs                                                                                      | Data sheet                      | <a href="#">SAM4S Series Datasheet</a>        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                                      | Voltage - Supply (Vcc/Vdd)      | 1.62 V ~ 3.6 V                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                | 100-LQFP (14x14)                                                                               | Speed                           | 120MHz                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                 | SAM4S                                                                                          | RAM Size                        | 64K x 8                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                                                                          | Program Memory Size             | 256KB (256K x 8)                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                     | Packaging                       | Tray                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                         | 100-LQFP                                                                                       | Oscillator Type                 | Internal                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 105°C (TA)                                                                             | Number of I/O                   | 79                                            |
| 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 SAM4S Microcontroller IC 32-Bit 120MHz 256KB (256K x 8) FLASH 100-LQFP (14x14) | Data Converters                 | A/D 16x12b, D/A 2x12b                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                              | 32-Bit                                                                                         | Core Processor                  | ARM® Cortex®-M4                               |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                           | EBI/EMI, I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB                                     |                                 |                                               |
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|  | 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="#">ATSAM4S8BA-AN</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP  | 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="#">ATSAM4S8BA-AUR</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4BB-AN</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP  | 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> |
|  | 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="#">ATSAM4S4BB-MN</a><br>Description: FLASH,64K SRAM                   | 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> |
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|  | Part#: <a href="#">ATSAM4S8BA-MU</a><br>Description: IC MCU 32BIT 512KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATSAM4S4CB-CNR</a><br>Description: FLASH,64K SRAM                  | 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="#">ATSAM4S4BB-MNR</a><br>Description: FLASH,64K SRAM                  | 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-AU</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4S4BB-ANR</a><br>Description: FLASH,64K 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> |

| Related keywords for ATSAM4S4CB-AN          |                                    |                                        |                     |
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