





Micrel / Microchip Technology


## ATSAM4S2AB-MNR

|                      |  |
|----------------------|--|
| Part Number:         | ATSAM4S2AB-MNR   |
| Manufacturer/Brand:  | Micrel / Microchip Technology  |
| Product description: | FLASH,64K SRAM   |
| Datasheets:          |  <a href="#">ATSAM4S2AB-MNR.pdf</a> |
| RoHS Status:         |  Lead free / RoHS Compliant         |
| Ship From:           | Hong Kong  |
| Shipment Way:        | DHL/Fedex/TNT/UPS/EMS  |

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Image may be representation. See specifications for product details.

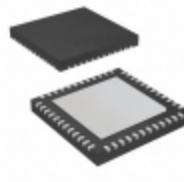
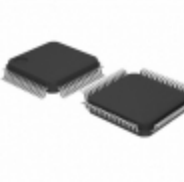

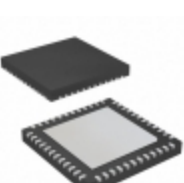

### Specifications of ATSAM4S2AB-MNR

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|----------------------------------|--|
| PART NUMBER                      | ATSAM4S2AB-MNR   |
| MANUFACTURER                     | Micrel / Microchip Technology  |
| DESCRIPTION                      | FLASH,64K SRAM   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| DATA SHEET                       |  <a href="#">ATSAM4S2AB-MNR.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V   |
| SUPPLIER DEVICE PACKAGE          | 48-VQFN (7x7)  |
| SPEED                            | 120MHz   |
| SERIES                           | SAM4S  |
| RAM SIZE                         | 64K x 8  |
| PROGRAM MEMORY TYPE              | FLASH  |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)   |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT   |
| PACKAGING                        | Tape & Reel (TR)   |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad   |
| OTHER NAMES                      | ATSAM4S2AB-MNR-TR  |
| OSCILLATOR TYPE                  | Internal   |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)   |
| NUMBER OF I/O                    | 34   |
| 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 128KB (128K x 8) FLASH 48-VQFN (7x7)                            |
| DATA CONVERTERS                  | A/D 8x12b  |
| CORE SIZE                        | 32-Bit   |
| CORE PROCESSOR                   | ARM® Cortex®-M4  |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, Memory Card, SPI, SSC, UART/USART, USB   |

### Related Tags

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| <a href="#">Micrel / Microchip Technology ATSAM4S2AB-MNR</a> | <a href="#">ATSAM4S2AB-MNR Distributor</a>             | <a href="#">ATSAM4S2AB-MNR Supplier</a>                               |
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### Related Products

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|  <p><b>ATSAM4S2AA-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 425 pcs</p> <p><a href="#">RFQ</a></p>  |  <p><b>ATSAM4S2AB-MN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,64K SRAM<br/>In stock: Out stock</p> <p><a href="#">RFQ</a></p>                    |
|  <p><b>ATSAM4S16CB-CFNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,128K SRAM<br/>In stock: Out stock</p> <p><a href="#">RFQ</a></p>             |  <p><b>ATSAM4S2BB-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,64K SRAM<br/>In stock: 579 pcs</p> <p><a href="#">RFQ</a></p>                      |
|  <p><b>ATSAM4S2AB-ANR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,64K SRAM<br/>In stock: 853 pcs</p> <p><a href="#">RFQ</a></p>                  |  <p><b>ATSAM4S2AB-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,64K SRAM<br/>In stock: 464 pcs</p> <p><a href="#">RFQ</a></p>                      |
|  <p><b>ATSAM4S2AA-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 48QFN<br/>In stock: Out stock</p> <p><a href="#">RFQ</a></p> |  <p><b>ATSAM4S2BA-UUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64WLCSP<br/>In stock: Out stock</p> <p><a href="#">RFQ</a></p> |
|  <p><b>ATSAM4S2BA-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,64K SRAM<br/>In stock: Out stock</p> <p><a href="#">RFQ</a></p>                |  <p><b>ATSAM4S2BA-UUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64WLCSP<br/>In stock: Out stock</p> <p><a href="#">RFQ</a></p>          |
|  <p><b>ATSAM4S2BA-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 285 pcs</p> <p><a href="#">RFQ</a></p>  |  <p><b>ATSAM4S2BA-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: Out stock</p> <p><a href="#">RFQ</a></p>    |