

ATSAM4SD32CB-AN



Part Number: [ATSAM4SD32CB-AN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: FLASH,160K SRAM

Data sheet:  [SAM4S Series Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

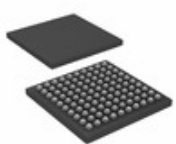
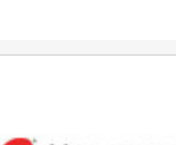
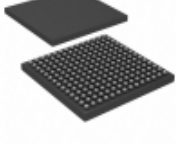
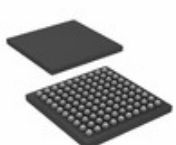
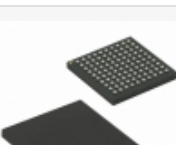
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                            |                                 |                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | ATSAM4SD32CB-AN                                                                            | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                              | FLASH,160K SRAM                                                                            | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 11457 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                        | 160K x 8                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                                      | Program Memory Size             | 2MB (2M 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 | 7 Weeks                                       |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                                 | EEPROM Size                     | -                                             |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                     | ARM® Cortex®-M4 SAM4S Microcontroller IC 32-Bit 120MHz 2MB (2M 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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|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">ATSAM4SD32CA-AN</a><br>Description: IC MCU 32BIT 2MB FLASH 64LQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32BB-UUR</a><br>Description: FLASH,160K SRAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32BB-MNR</a><br>Description: FLASH,160K SRAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D21A-CUR</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32CA-AU</a><br>Description: IC MCU 32BIT 2MB FLASH 100LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32CA-ANR</a><br>Description: IC MCU 32BIT 2MB FLASH 64LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D21B-CU</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32CA-CFUR</a><br>Description: IC MCU 32BIT 2MB FLASH 100VFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATSAMA5D2-XULT</a><br>Description: KIT EVAL EXPLAIND ULTRA SAMA5D2    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32CB-ANR</a><br>Description: FLASH,160K SRAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32CA-CUR</a><br>Description: IC MCU 32BIT 2MB FLASH 100TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMA5D21A-CU</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SP32A-ANU-Y</a><br>Description: IC MCU 32BIT 2MB FLASH 128LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32CB-CFNR</a><br>Description: FLASH,160K SRAM                 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SP32AEK-99</a><br>Description: 2 ATSAM4SP32AMB BOARDS           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32CA-CU</a><br>Description: IC MCU 32BIT 2MB FLASH 100TFBGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32CA-AUR</a><br>Description: IC MCU 32BIT 2MB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD32CA-CFU</a><br>Description: IC MCU 32BIT 2MB FLASH 100VFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

| Related keywords for ATSAM4SD32CB-AN          |                                      |                                        |                       |
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