

ATSAM3N1AB-MUR



Part Number: [ATSAM3N1AB-MUR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 64KB FLASH 48QFN

Data sheet:  [SAM3N Series Summary](#)

RoHs Status: Lead free / RoHS Compliant

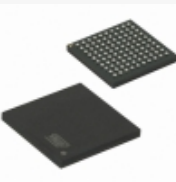
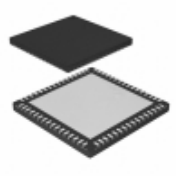
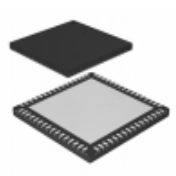
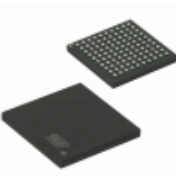
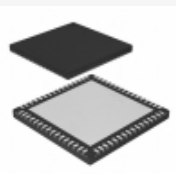
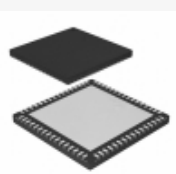
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                                  |                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ATSAM3N1AB-MUR                             | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 32BIT 64KB FLASH 48QFN              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 39382 pcs                                  | Data sheet                       | <a href="#">SAM3N Series Summary</a>                                                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.62 V ~ 3.6 V                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 48-QFN (7x7)                               | Speed                            | 48MHz                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SAM3N                                      | RAM Size                         | 8K x 8                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                      | Program Memory Size              | 64KB (64K x 8)                                                                          |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Tape & Reel (TR)                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 48-VFQFN Exposed Pad                       | Other Names                      | ATSAM3N1AB-MUR-ND<br>ATSAM3N1AB-MURTR                                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                       |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 34                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                           |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6 Weeks                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                          | Detailed Description             | ARM® Cortex®-M3 SAM3N Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH 48-QFN (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 8x10b                                  | Core Size                        | 32-Bit                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ARM® Cortex®-M3                            | Connectivity                     | I²C, IrDA, SPI, UART/USART                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ATSAM3N1                                   |                                  |                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAM3N1CB-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N0CA-CUR</a><br>Description: IC MCU 32BIT 32KB FLASH 100TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1CB-AUR</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATSAM3N1BB-MU</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1BB-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1BA-MU</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1CA-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1AB-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1AB-MU</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N0CA-CU</a><br>Description: IC MCU 32BIT 32KB FLASH 100TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1AA-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1AA-MU</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N1BB-MUR</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM3N0CA-AUR</a><br>Description: IC MCU 32BIT 32KB FLASH 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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