

ATSAM3N1BA-MU





Part Number:

ATSAM3N1BA-MU

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 32BIT 64KB FLASH 64QFN

Data sheet:

 [SAM3N Series Summary](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

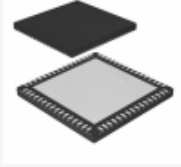
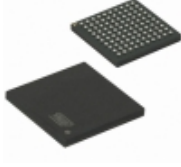
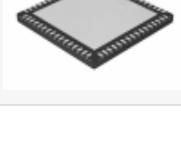
Shipment Way:

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                         |                                  |                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ATSAM3N1BA-MU                                                                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 32BIT 64KB FLASH 64QFN                                                           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4143 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                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 64-QFN (9x9)                                                                            | 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                        | Tray                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 64-VFQFN Exposed Pad                                                                    | Other Names                      | ATSAM3N1BAMU                                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Internal                                                                                | Operating Temperature            | -40°C ~ 85°C (TA)                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 47                                                                                      | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                 |
| 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 64-QFN (9x9) | Data Converters                  | A/D 10x10b, D/A 1x10b                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 32-Bit                                                                                  | Core Processor                   | ARM® Cortex®-M3                               |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | I²C, IrDA, SPI, UART/USART                                                              | Base Part Number                 | ATSAM3N1                                      |
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|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | 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-AUR</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP   | 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> |
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|  | 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="#">ATSAM3N1AB-MU</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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| Related keywords for ATSAM3N1BA-MU          |                                    |                                        |                     |
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