


**MICROCHIP**

**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAM3N1AA-MU**

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM3N1AA-MU                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                       |
| Product description | IC MCU 32BIT 64KB FLASH 48QFN                                                                                       |
| Datasheets:         |  <a href="#">ATSAM3N1AA-MU.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Stock Condition     | 4990 pcs stock                                                                                                      |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

**REQUEST FOR QUOTATION**

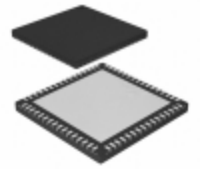
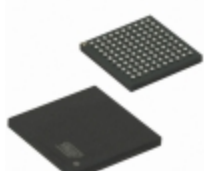
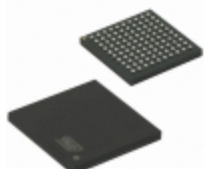
**Specifications of ATSAM3N1AA-MU**

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM3N1AA-MU                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                         |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 48QFN                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| QUANTITY AVAILABLE               | 4990 pcs                                                                                                              |
| DATA SHEET                       |  <a href="#">ATSAM3N1AA-MU.pdf</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                        | Tray                                                                                                                  |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                                                                                                  |
| OTHER NAMES                      | ATSAM3N1AAMU                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                     |
| NUMBER OF I/O                    | 34                                                                                                                    |
| 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 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                                                                                                              |

**Related Tags**

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATSAM3N1AA-MU | ATSAM3N1AA-MU Distributor              | ATSAM3N1AA-MU Supplier                               |
| ATSAM3N1AA-MU Price                         | ATSAM3N1AA-MU Pictures                 | ATSAM3N1AA-MU Image                                  |
| ATSAM3N1AA-MU PDF Datasheet                 | ATSAM3N1AA-MU Download Datasheet       | ATSAM3N1AA-MU Datasheet                              |
| ATSAM3N1AA-MU Stock                         | Buy ATSAM3N1AA-MU                      | Buy Micrel / Microchip Technology ATSAM3N1AA-MU      |
| Micrel / Microchip Technology ATSAM3N1AA-MU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATSAM3N1AA-MU | Microchip Technology ATSAM3N1AA-MU     | Roving Networks / Microchip Technology ATSAM3N1AA-MU |

**Related Products**

|                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>ATSAM3N1AA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br>In stock: 3494 pcs<br><b>RFQ</b>     |  <b>ATSAM3N1BA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br>In stock: 90272 pcs<br><b>RFQ</b>  |
|  <b>ATSAM3N1AB-AUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br>In stock: 51060 pcs<br><b>RFQ</b>   |  <b>ATSAM3N1AB-MUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48QFN<br>In stock: 42979 pcs<br><b>RFQ</b>  |
|  <b>ATSAM3N1AB-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48QFN<br>In stock: 31617 pcs<br><b>RFQ</b>     |  <b>ATSAM3N1BA-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 64QFN<br>In stock: 5435 pcs<br><b>RFQ</b>    |
|  <b>ATSAM3N0CA-CUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 32KB FLASH 100TFBGA<br>In stock: 34344 pcs<br><b>RFQ</b> |  <b>ATSAM3N0CA-AUR</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 32KB FLASH 100LQFP<br>In stock: 38733 pcs<br><b>RFQ</b>         |
|  <b>ATSAM3N0CA-AUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 32KB FLASH 100LQFP<br>In stock: 34318 pcs<br><b>RFQ</b>  |  <b>ATSAM3N1AB-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br>In stock: 43889 pcs<br><b>RFQ</b>  |
|  <b>ATSAM3N0CA-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 32KB FLASH 100TFBGA<br>In stock: 27198 pcs<br><b>RFQ</b>  |  <b>ATSAM3N0CA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 32KB FLASH 100LQFP<br>In stock: 28008 pcs<br><b>RFQ</b> |