



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAM4N16BA-AUR**

|                     |                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM4N16BA-AUR                                                                                                           |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                             |
| Product description | IC MCU 32BIT 1MB FLASH 64LQFP                                                                                             |
|                     | <div>PDF</div> <div>1.ATSAM4N16BA-AUR.pdf</div>                                                                           |
|                     | <div>PDF</div> <div>2.ATSAM4N16BA-AUR.pdf</div>                                                                           |
| Datasheets:         | <div>  Lead free / RoHS Compliant </div> |
| RoHs Status         |                                                                                                                           |
| Stock Condition     | 25172 pcs stock                                                                                                           |
| Ship From           | Hong Kong                                                                                                                 |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                     |

**REQUEST FOR QUOTATION**

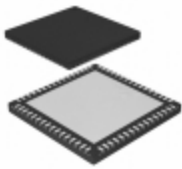
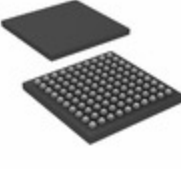
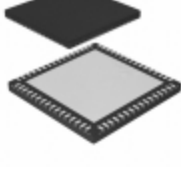
**Specifications of ATSAM4N16BA-AUR**

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM4N16BA-AUR                                                                                 |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 64LQFP                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| QUANTITY AVAILABLE               | 25172 pcs                                                                                       |
| DATA SHEET                       | <div>PDF</div> <div>1.ATSAM4N16BA-AUR.pdf</div> <div>PDF</div> <div>2.ATSAM4N16BA-AUR.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                 |
| SPEED                            | 100MHz                                                                                          |
| SERIES                           | SAM4N                                                                                           |
| RAM SIZE                         | 80K x 8                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                           |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                                    |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                      |
| PACKAGING                        | Tape & Reel (TR)                                                                                |
| PACKAGE / CASE                   | 64-LQFP                                                                                         |
| OTHER NAMES                      | ATSAM4N16BA-AURTR                                                                               |
| OSCILLATOR TYPE                  | Internal                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                               |
| NUMBER OF I/O                    | 47                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| EEPROM SIZE                      | -                                                                                               |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 SAM4N Microcontroller IC 32-Bit 100MHz 1MB (1M x 8) FLASH 64-LQFP (10x10)       |
| DATA CONVERTERS                  | A/D 11x10b, D/A 1x10b                                                                           |
| CORE SIZE                        | 32-Bit                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                 |
| CONNECTIVITY                     | I²C, IrDA, SPI, UART/USART                                                                      |
| BASE PART NUMBER                 | ATSAM4N16                                                                                       |

**Related Tags**

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAM4N16BA-AUR | ATSAM4N16BA-AUR Distributor            | ATSAM4N16BA-AUR Supplier                               |
| ATSAM4N16BA-AUR Price                         | ATSAM4N16BA-AUR Pictures               | ATSAM4N16BA-AUR Image                                  |
| ATSAM4N16BA-AUR PDF Datasheet                 | ATSAM4N16BA-AUR Download Datasheet     | ATSAM4N16BA-AUR Datasheet                              |
| ATSAM4N16BA-AUR Stock                         | Buy ATSAM4N16BA-AUR                    | Buy Micrel / Microchip Technology ATSAM4N16BA-AUR      |
| Micrel / Microchip Technology ATSAM4N16BA-AUR | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAM4N16BA-AUR | Microchip Technology ATSAM4N16BA-AUR   | Roving Networks / Microchip Technology ATSAM4N16BA-AUR |

**Related Products**

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>ATSAM4N16CA-AUR</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br>In stock: 19063 pcs<br><div>RFQ</div>            |  <b>ATSAM4N16BA-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 1MB FLASH 64QFN<br>In stock: 38003 pcs<br><div>RFQ</div>    |
|  <b>ATSAM4N16BA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br>In stock: 24209 pcs<br><div>RFQ</div>     |  <b>ATSAM4N16BA-AUR</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br>In stock: 26373 pcs<br><div>RFQ</div>           |
|  <b>ATSAM4LS8CA-CFUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 100BGA<br>In stock: 16117 pcs<br><div>RFQ</div> |  <b>ATSAM4N16CA-AUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br>In stock: 22203 pcs<br><div>RFQ</div> |
|  <b>ATSAM4LS8CA-CFUR</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 100BGA<br>In stock: 14377 pcs<br><div>RFQ</div>          |  <b>ATSAM4N-XPRO</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: SAM4N XPLAINED PRO EVAL KIT<br>In stock: 994 pcs<br><div>RFQ</div>         |
|  <b>ATSAM4N16BA-MUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 1MB FLASH 64QFN<br>In stock: 21111 pcs<br><div>RFQ</div>     |  <b>ATSAM4N16CA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br>In stock: 37253 pcs<br><div>RFQ</div>  |
|  <b>ATSAM4N-XSTK</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: SAM4N XPLAINED PRO STARTER KIT<br>In stock: 658 pcs<br><div>RFQ</div>        |  <b>ATSAM4N16BA-MUR</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 1MB FLASH 64QFN<br>In stock: 19494 pcs<br><div>RFQ</div>            |