


**MICROCHIP**

**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAM3S1AA-AU**

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM3S1AA-AU                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                       |
| Product description | IC MCU 32BIT 64KB FLASH 48LQFP                                                                                      |
| Datasheets:         |  <a href="#">ATSAM3S1AA-AU.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Stock Condition     | 6336 pcs stock                                                                                                      |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

**REQUEST FOR QUOTATION**

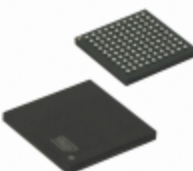
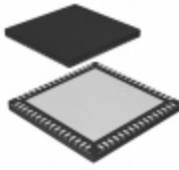
**Specifications of ATSAM3S1AA-AU**

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM3S1AA-AU                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                         |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 48LQFP                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| QUANTITY AVAILABLE               | 6336 pcs                                                                                                              |
| DATA SHEET                       |  <a href="#">ATSAM3S1AA-AU.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 48-LQFP (7x7)                                                                                                         |
| SPEED                            | 64MHz                                                                                                                 |
| SERIES                           | SAM3S                                                                                                                 |
| RAM SIZE                         | 16K x 8                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                 |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                       |
| PACKAGING                        | Tray                                                                                                                  |
| PACKAGE / CASE                   | 48-LQFP                                                                                                               |
| OTHER NAMES                      | ATSAM3S1AAAU                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                     |
| NUMBER OF I/O                    | 34                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| EEPROM SIZE                      | -                                                                                                                     |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 SAM3S Microcontroller IC 32-Bit 64MHz 64KB (64K x 8) FLASH 48-LQFP (7x7)                              |
| DATA CONVERTERS                  | A/D 8x10/12b                                                                                                          |
| CORE SIZE                        | 32-Bit                                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                       |
| CONNECTIVITY                     | I²C, MMC, SPI, SSC, UART/USART, USB                                                                                   |
| BASE PART NUMBER                 | ATSAM3S1                                                                                                              |

**Related Tags**

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATSAM3S1AA-AU | ATSAM3S1AA-AU Distributor              | ATSAM3S1AA-AU Supplier                               |
| ATSAM3S1AA-AU Price                         | ATSAM3S1AA-AU Pictures                 | ATSAM3S1AA-AU Image                                  |
| ATSAM3S1AA-AU PDF Datasheet                 | ATSAM3S1AA-AU Download Datasheet       | ATSAM3S1AA-AU Datasheet                              |
| ATSAM3S1AA-AU Stock                         | Buy ATSAM3S1AA-AU                      | Buy Micrel / Microchip Technology ATSAM3S1AA-AU      |
| Micrel / Microchip Technology ATSAM3S1AA-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATSAM3S1AA-AU | Microchip Technology ATSAM3S1AA-AU     | Roving Networks / Microchip Technology ATSAM3S1AA-AU |

**Related Products**

|                                                                                                     |                                                                                                                                                           |                                                                                                      |                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>MICROCHIP</b> | <b>ATSAM3S1AA-MUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48QFN<br>In stock: 5212 pcs<br><b>RFQ</b>   |  <b>MICROCHIP</b> | <b>ATSAM3N4CA-AU</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 35353 pcs<br><b>RFQ</b>         |
|                   | <b>ATSAM3S-EK2</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: EVAL KIT FOR SAM3S8 & SAM3SD8<br>In stock: 518 pcs<br><b>RFQ</b>       |                   | <b>ATSAM3S-EK</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: KIT EVAL FOR ATSAM3S4C<br>In stock: 4280 pcs<br><b>RFQ</b>              |
|  <b>MICROCHIP</b> | <b>ATSAM3N4CA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 4191 pcs<br><b>RFQ</b> |  <b>MICROCHIP</b> | <b>ATSAM3S1AB-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br>In stock: 33878 pcs<br><b>RFQ</b>  |
|                   | <b>ATSAM3N4CA-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 100BGA<br>In stock: 4245 pcs<br><b>RFQ</b>  |  <b>MICROCHIP</b> | <b>ATSAM3S1AA-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48QFN<br>In stock: 15060 pcs<br><b>RFQ</b>   |
|  <b>MICROCHIP</b> | <b>ATSAM3S1AA-AUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br>In stock: 6065 pcs<br><b>RFQ</b>  |  <b>MICROCHIP</b> | <b>ATSAM3S1AB-AUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br>In stock: 30979 pcs<br><b>RFQ</b> |
|  <b>MICROCHIP</b> | <b>ATSAM3S1AB-AUR</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br>In stock: 32482 pcs<br><b>RFQ</b>          |                   | <b>ATSAM3N4BA-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64QFN<br>In stock: 3503 pcs<br><b>RFQ</b>   |