



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAM3U2CA-AU**

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM3U2CA-AU                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                       |
| Product description | IC MCU 32BIT 128KB FLASH 100LQFP                                                                                    |
| Datasheets:         |  <a href="#">ATSAM3U2CA-AU.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Stock Condition     | 19468 pcs stock                                                                                                     |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

**REQUEST FOR QUOTATION**

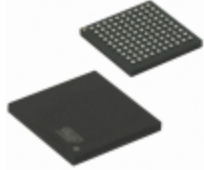
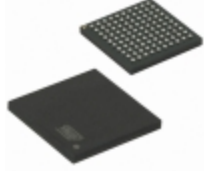
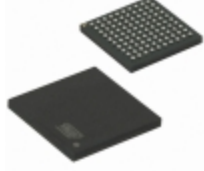
**Specifications of ATSAM3U2CA-AU**

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM3U2CA-AU                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                         |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 100LQFP                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| QUANTITY AVAILABLE               | 19468 pcs                                                                                                             |
| DATA SHEET                       |  <a href="#">ATSAM3U2CA-AU.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                      |
| SPEED                            | 96MHz                                                                                                                 |
| SERIES                           | SAM3U                                                                                                                 |
| RAM SIZE                         | 36K x 8                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                 |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                                      |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                       |
| PACKAGING                        | Tray                                                                                                                  |
| PACKAGE / CASE                   | 100-LQFP                                                                                                              |
| OTHER NAMES                      | ATSAM3U2CAAU                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                     |
| NUMBER OF I/O                    | 57                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| EEPROM SIZE                      | -                                                                                                                     |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 SAM3U Microcontroller IC 32-Bit 96MHz 128KB (128K x 8) FLASH 100-LQFP (14x14)                         |
| DATA CONVERTERS                  | A/D 4x10b, 4x12b                                                                                                      |
| CORE SIZE                        | 32-Bit                                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                       |
| CONNECTIVITY                     | EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB                                                                  |
| BASE PART NUMBER                 | ATSAM3U2                                                                                                              |

**Related Tags**

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATSAM3U2CA-AU | ATSAM3U2CA-AU Distributor              | ATSAM3U2CA-AU Supplier                               |
| ATSAM3U2CA-AU Price                         | ATSAM3U2CA-AU Pictures                 | ATSAM3U2CA-AU Image                                  |
| ATSAM3U2CA-AU PDF Datasheet                 | ATSAM3U2CA-AU Download Datasheet       | ATSAM3U2CA-AU Datasheet                              |
| ATSAM3U2CA-AU Stock                         | Buy ATSAM3U2CA-AU                      | Buy Micrel / Microchip Technology ATSAM3U2CA-AU      |
| Micrel / Microchip Technology ATSAM3U2CA-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATSAM3U2CA-AU | Microchip Technology ATSAM3U2CA-AU     | Roving Networks / Microchip Technology ATSAM3U2CA-AU |

**Related Products**

|                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>ATSAM3U1EA-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 144BGA<br>In stock: 7525 pcs<br><b>RFQ</b>    |  <b>ATSAM3U1EB-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 144BGA<br>In stock: 22359 pcs<br><b>RFQ</b>   |
|  <b>ATSAM3U2EA-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 128KB FLASH 144BGA<br>In stock: 15179 pcs<br><b>RFQ</b>  |  <b>ATSAM3U1EB-AU</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 144LQFP<br>In stock: 17105 pcs<br><b>RFQ</b>           |
|  <b>ATSAM3U4EA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br>In stock: 13691 pcs<br><b>RFQ</b> |  <b>ATSAM3U1EA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 144LQFP<br>In stock: 8050 pcs<br><b>RFQ</b>   |
|  <b>ATSAM3U2CA-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 128KB FLASH 100BGA<br>In stock: 17206 pcs<br><b>RFQ</b>  |  <b>ATSAM3U4CA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 18416 pcs<br><b>RFQ</b> |
|  <b>ATSAM3U4CA-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 100BGA<br>In stock: 16635 pcs<br><b>RFQ</b>  |  <b>ATSAM3U2EA-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 128KB FLASH 144LQFP<br>In stock: 15443 pcs<br><b>RFQ</b> |
|  <b>ATSAM3U1CB-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 100TFBGA<br>In stock: 21948 pcs<br><b>RFQ</b> |  <b>ATSAM3U1EB-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 144LQFP<br>In stock: 14731 pcs<br><b>RFQ</b>  |