



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAM3S1CB-AU**

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM3S1CB-AU                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                       |
| Product description | IC MCU 32BIT 64KB FLASH 100LQFP                                                                                     |
| Datasheets:         |  <a href="#">ATSAM3S1CB-AU.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

REQUEST FOR QUOTATION

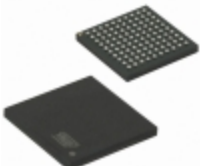
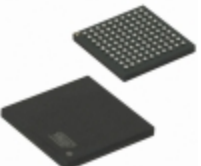
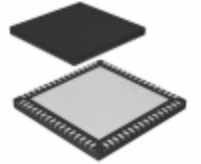
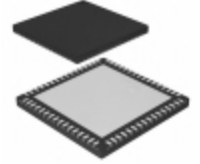
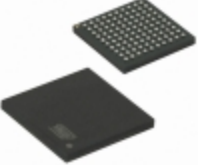
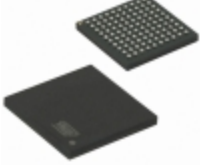
Specifications of ATSAM3S1CB-AU

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM3S1CB-AU                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                         |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 100LQFP                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| DATA SHEET                       |  <a href="#">ATSAM3S1CB-AU.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                      |
| 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                   | 100-LQFP                                                                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                     |
| NUMBER OF I/O                    | 79                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                         |
| MANUFACTURER STANDARD LEAD TIME  | 12 Weeks                                                                                                              |
| 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 100-LQFP (14x14)                           |
| DATA CONVERTERS                  | A/D 15x10/12b, D/A 2x12b                                                                                              |
| CORE SIZE                        | 32-Bit                                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                       |
| CONNECTIVITY                     | EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB                                                                  |
| BASE PART NUMBER                 | ATSAM3S1                                                                                                              |

Related Tags

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATSAM3S1CB-AU | ATSAM3S1CB-AU Distributor              | ATSAM3S1CB-AU Supplier                               |
| ATSAM3S1CB-AU Price                         | ATSAM3S1CB-AU Pictures                 | ATSAM3S1CB-AU Image                                  |
| ATSAM3S1CB-AU PDF Datasheet                 | ATSAM3S1CB-AU Download Datasheet       | ATSAM3S1CB-AU Datasheet                              |
| ATSAM3S1CB-AU Stock                         | Buy ATSAM3S1CB-AU                      | Buy Micrel / Microchip Technology ATSAM3S1CB-AU      |
| Micrel / Microchip Technology ATSAM3S1CB-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATSAM3S1CB-AU | Microchip Technology ATSAM3S1CB-AU     | Roving Networks / Microchip Technology ATSAM3S1CB-AU |

Related Products

|                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |
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|  <div> <b>ATSAM3S1CA-AUR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 64KB FLASH 100LQFP<br/> In stock: <a href="#">Out stock</a> </div> <div> RFQ </div>  |  <div> <b>ATSAM3S2AA-AU</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/> In stock: <a href="#">Out stock</a> </div> <div> RFQ </div>  |
|  <div> <b>ATSAM3S1CA-CUR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 64KB FLASH 100TFBGA<br/> In stock: <a href="#">Out stock</a> </div> <div> RFQ </div> |  <div> <b>ATSAM3S1CB-CU</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 64KB FLASH 100TFBGA<br/> In stock: <a href="#">Out stock</a> </div> <div> RFQ </div> |
|  <div> <b>ATSAM3S1CA-AU</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 64KB FLASH 100LQFP<br/> In stock: <a href="#">Out stock</a> </div> <div> RFQ </div>   |  <div> <b>ATSAM3S1BB-MU</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 64KB FLASH 64QFN<br/> In stock: <a href="#">199 pcs</a> </div> <div> RFQ </div>      |
|  <div> <b>ATSAM3S1BB-MUR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 64KB FLASH 64QFN<br/> In stock: <a href="#">Out stock</a> </div> <div> RFQ </div>    |  <div> <b>ATSAM3S1CB-AUR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 64KB FLASH 100LQFP<br/> In stock: <a href="#">Out stock</a> </div> <div> RFQ </div> |
|  <div> <b>ATSAM3S2AA-AUR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/> In stock: <a href="#">Out stock</a> </div> <div> RFQ </div>  |  <div> <b>ATSAM3S1CA-CU</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 64KB FLASH 100TFBGA<br/> In stock: <a href="#">179 pcs</a> </div> <div> RFQ </div>   |
|  <div> <b>ATSAM3S1CB-CUR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 32BIT 64KB FLASH 100TFBGA<br/> In stock: <a href="#">Out stock</a> </div> <div> RFQ </div> |  <div> <b>ATSAM3S2AA-AUR</b> </div> <div> Manufacturers: <a href="#">Microchip Technology</a><br/> Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/> In stock: <a href="#">Out stock</a> </div> <div> RFQ </div>          |