



**ATSAM4S4AA-AU**

|                     |                                                                                                                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM4S4AA-AU                                                                                                                                                                                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                         |
| Product description | IC MCU 32BIT 256KB FLASH 48LQFP                                                                                                                                                                                                                                       |
| Datasheets:         | <div>  <a href="#">1.ATSAM4S4AA-AU.pdf</a> </div> <div>  <a href="#">2.ATSAM4S4AA-AU.pdf</a> </div> |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                          |
| Stock Condition     | 23348 pcs stock                                                                                                                                                                                                                                                       |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                 |

[REQUEST FOR QUOTATION](#)

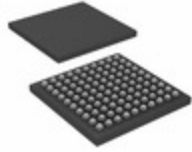
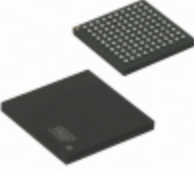
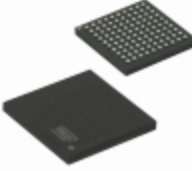
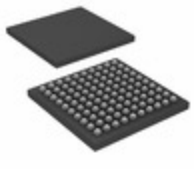
**Specifications of ATSAM4S4AA-AU**

|                                  |                                                                                                                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM4S4AA-AU                                                                                                                                                                                                                                                             |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 48LQFP                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                |
| QUANTITY AVAILABLE               | 23348 pcs                                                                                                                                                                                                                                                                 |
| DATA SHEET                       | <div>  <a href="#">1.ATSAM4S4AA-AU.pdf</a> </div> <div>  <a href="#">2.ATSAM4S4AA-AU.pdf</a> </div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 48-LQFP (7x7)                                                                                                                                                                                                                                                             |
| SPEED                            | 120MHz                                                                                                                                                                                                                                                                    |
| SERIES                           | SAM4S                                                                                                                                                                                                                                                                     |
| RAM SIZE                         | 64K x 8                                                                                                                                                                                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                     |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                                                                                                          |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                      |
| PACKAGE / CASE                   | 48-LQFP                                                                                                                                                                                                                                                                   |
| 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®-M4 SAM4S Microcontroller IC 32-Bit 120MHz 256KB (256K x 8) FLASH 48-LQFP (7x7)                                                                                                                                                                               |
| DATA CONVERTERS                  | A/D 8x12b                                                                                                                                                                                                                                                                 |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                    |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                                                                           |
| CONNECTIVITY                     | I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB                                                                                                                                                                                                                         |
| BASE PART NUMBER                 | ATSAM4S4                                                                                                                                                                                                                                                                  |

**Related Tags**

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATSAM4S4AA-AU | ATSAM4S4AA-AU Distributor              | ATSAM4S4AA-AU Supplier                               |
| ATSAM4S4AA-AU Price                         | ATSAM4S4AA-AU Pictures                 | ATSAM4S4AA-AU Image                                  |
| ATSAM4S4AA-AU PDF Datasheet                 | ATSAM4S4AA-AU Download Datasheet       | ATSAM4S4AA-AU Datasheet                              |
| ATSAM4S4AA-AU Stock                         | Buy ATSAM4S4AA-AU                      | Buy Micrel / Microchip Technology ATSAM4S4AA-AU      |
| Micrel / Microchip Technology ATSAM4S4AA-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATSAM4S4AA-AU | Microchip Technology ATSAM4S4AA-AU     | Roving Networks / Microchip Technology ATSAM4S4AA-AU |

**Related Products**

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|  <div> <b>ATSAM4S2CB-CFN</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: 25061 pcs </div> <div>RFQ</div>                |  <div> <b>ATSAM4S4AA-MU</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 48QFN<br/> In stock: 22033 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAM4S4AB-MNR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: 26677 pcs </div> <div>RFQ</div>                |  <div> <b>ATSAM4S2CB-CN</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: 27260 pcs </div> <div>RFQ</div>                  |
|  <div> <b>ATSAM4S4BA-AN</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/> In stock: 5120 pcs </div> <div>RFQ</div> |  <div> <b>ATSAM4S2CB-ANR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: 27652 pcs </div> <div>RFQ</div>                 |
|  <div> <b>ATSAM4S4AB-MN</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 48QFN<br/> In stock: 25735 pcs </div> <div>RFQ</div> |  <div> <b>ATSAM4S4AB-AN</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 48LQFP<br/> In stock: 26703 pcs </div> <div>RFQ</div> |
|  <div> <b>ATSAM4S2CB-CNR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: 37553 pcs </div> <div>RFQ</div>                |  <div> <b>ATSAM4S4AB-ANR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: 28543 pcs </div> <div>RFQ</div>                 |
|  <div> <b>ATSAM4S4AA-AN</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 48LQFP<br/> In stock: 3040 pcs </div> <div>RFQ</div> |  <div> <b>ATSAM4S2CB-CFNR</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH,64K SRAM<br/> In stock: 35199 pcs </div> <div>RFQ</div>                |