



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

ATSAM4SA16BA-AU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM4SA16BA-AU                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 1MB FLASH 64LQFP                                                                                |
| Datasheets:         | <a href="#">PDF</a> ATSAM4SA16BA-AU.pdf                                                                      |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

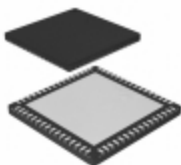
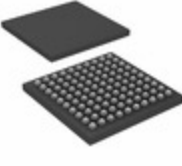
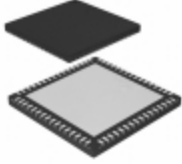
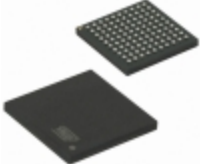
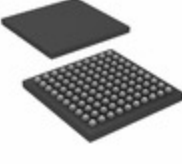
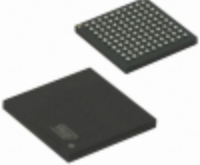
Specifications of ATSAM4SA16BA-AU

|                                  |                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM4SA16BA-AU                                                                           |
| MANUFACTURER                     | Micrel / Microchip Technology                                                             |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 64LQFP                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                |
| DATA SHEET                       | <a href="#">PDF</a> ATSAM4SA16BA-AU.pdf                                                   |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                            |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                           |
| SPEED                            | 120MHz                                                                                    |
| SERIES                           | SAM4S                                                                                     |
| RAM SIZE                         | 160K x 8                                                                                  |
| PROGRAM MEMORY TYPE              | FLASH                                                                                     |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                              |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                |
| PACKAGING                        | Tray                                                                                      |
| PACKAGE / CASE                   | 64-LQFP                                                                                   |
| OTHER NAMES                      | 1611-ATSAM4SA16BA-AU                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                         |
| NUMBER OF I/O                    | 47                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                             |
| MANUFACTURER STANDARD LEAD TIME  | 17 Weeks                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                |
| EEPROM SIZE                      | -                                                                                         |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 SAM4S Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 64-LQFP (10x10) |
| DATA CONVERTERS                  | A/D 11x12b, D/A 2x12b                                                                     |
| CORE SIZE                        | 32-Bit                                                                                    |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                           |
| CONNECTIVITY                     | I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB                                         |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAM4SA16BA-AU | ATSAM4SA16BA-AU Distributor            | ATSAM4SA16BA-AU Supplier                               |
| ATSAM4SA16BA-AU Price                         | ATSAM4SA16BA-AU Pictures               | ATSAM4SA16BA-AU Image                                  |
| ATSAM4SA16BA-AU PDF Datasheet                 | ATSAM4SA16BA-AU Download Datasheet     | ATSAM4SA16BA-AU Datasheet                              |
| ATSAM4SA16BA-AU Stock                         | Buy ATSAM4SA16BA-AU                    | Buy Micrel / Microchip Technology ATSAM4SA16BA-AU      |
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| Micrel / Microchip Technology ATSAM4SA16BA-AU | Microchip Technology ATSAM4SA16BA-AU   | Roving Networks / Microchip Technology ATSAM4SA16BA-AU |

Related Products

|                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                              |
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| <div></div> <div><b>ATSAM4SA16BA-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 237 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>ATSAM4S8CB-CFNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,128K SRAM<br/>In stock: Out stock<br/><div>RFQ</div></div>                |
| <div></div> <div><b>ATSAM4SA16BB-ANR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,160K SRAM<br/>In stock: Out stock<br/><div>RFQ</div></div>               | <div></div> <div><b>ATSAM4SA16BA-MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 64 pcs<br/><div>RFQ</div></div>     |
| <div></div> <div><b>ATSAM4SA16BA-MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 70 pcs<br/><div>RFQ</div></div>              | <div></div> <div><b>ATSAM4SA16BB-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,160K SRAM<br/>In stock: 472 pcs<br/><div>RFQ</div></div>                  |
| <div></div> <div><b>ATSAM4S8CB-CNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,128K SRAM<br/>In stock: Out stock<br/><div>RFQ</div></div>                 | <div></div> <div><b>ATSAM4S8CB-CFN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,128K SRAM<br/>In stock: 520 pcs<br/><div>RFQ</div></div>                   |
| <div></div> <div><b>ATSAM4SA16BA-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>ATSAM4S8CB-CN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH,128K SRAM<br/>In stock: 520 pcs<br/><div>RFQ</div></div>                    |
| <div></div> <div><b>ATSAM4SA16BA-ANR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>ATSAM4SA16BA-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |