



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

ATSAM4SA16CA-AUR

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM4SA16CA-AUR                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                          |
| Product description | IC MCU 32BIT 1MB FLASH 100LQFP                                                                                         |
| Datasheets:         |  <a href="#">ATSAM4SA16CA-AUR.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant           |
| Ship From           | Hong Kong                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                  |

REQUEST FOR QUOTATION

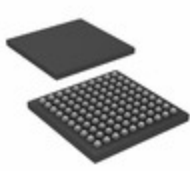
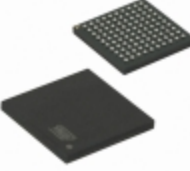
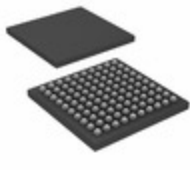
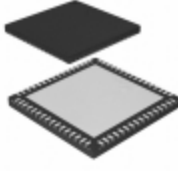
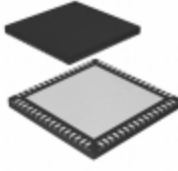
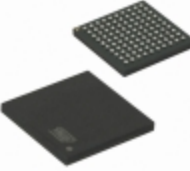
Specifications of ATSAM4SA16CA-AUR

|                                  |                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM4SA16CA-AUR                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 100LQFP                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                               |
| DATA SHEET                       |  <a href="#">ATSAM4SA16CA-AUR.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                         |
| 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                        | Cut Tape (CT)                                                                                                            |
| PACKAGE / CASE                   | 100-LQFP                                                                                                                 |
| OTHER NAMES                      | 1611-ATSAM4SA16CA-AURCT                                                                                                  |
| 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  | 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 100-LQFP (14x14)                               |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                                                                    |
| CORE SIZE                        | 32-Bit                                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                          |
| CONNECTIVITY                     | EBI/EMI, I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB                                                               |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAM4SA16CA-AUR | ATSAM4SA16CA-AUR Distributor           | ATSAM4SA16CA-AUR Supplier                               |
| ATSAM4SA16CA-AUR Price                         | ATSAM4SA16CA-AUR Pictures              | ATSAM4SA16CA-AUR Image                                  |
| ATSAM4SA16CA-AUR PDF Datasheet                 | ATSAM4SA16CA-AUR Download Datasheet    | ATSAM4SA16CA-AUR Datasheet                              |
| ATSAM4SA16CA-AUR Stock                         | Buy ATSAM4SA16CA-AUR                   | Buy Micrel / Microchip Technology ATSAM4SA16CA-AUR      |
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Related Products

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|  <div> <b>ATSAM4SA16CA-ANR</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>                     In stock: Out stock<br/> <div>RFQ</div> </div> |  <div> <b>ATSAM4SA16CA-CFU</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 1MB FLASH 100VFBGA<br/>                     In stock: 81 pcs<br/> <div>RFQ</div> </div>     |
|  <div> <b>ATSAM4SA16CB-AN</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: FLASH,160K SRAM<br/>                     In stock: 510 pcs<br/> <div>RFQ</div> </div>                   |  <div> <b>ATSAM4SA16CA-CUR</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>                     In stock: Out stock<br/> <div>RFQ</div> </div>  |
|  <div> <b>ATSAM4SA16CA-AUR</b><br/>                     Manufacturers: Microchip Technology<br/>                     Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>                     In stock: 674 pcs<br/> <div>RFQ</div> </div>            |  <div> <b>ATSAM4SA16CA-CFUR</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 1MB FLASH 100VFBGA<br/>                     In stock: Out stock<br/> <div>RFQ</div> </div> |
|  <div> <b>ATSAM4SA16BB-MN</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: FLASH,160K SRAM<br/>                     In stock: 520 pcs<br/> <div>RFQ</div> </div>                   |  <div> <b>ATSAM4SA16CA-AN</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>                     In stock: Out stock<br/> <div>RFQ</div> </div>    |
|  <div> <b>ATSAM4SA16CA-AU</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>                     In stock: 239 pcs<br/> <div>RFQ</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> <b>ATSAM4SA16BB-MNR</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: FLASH,160K SRAM<br/>                     In stock: Out stock<br/> <div>RFQ</div> </div>                |  <div> <b>ATSAM4SA16CA-CU</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>                     In stock: 228 pcs<br/> <div>RFQ</div> </div>     |