



Microchip Technology



**ATSAM4SD32BA-AUR**

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAM4SD32BA-AUR                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 2MB FLASH 64LQFP                                                                                |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 11486 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

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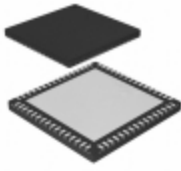
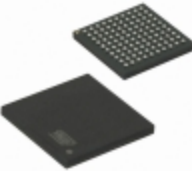
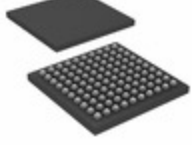
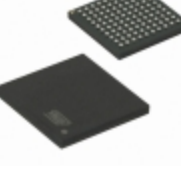
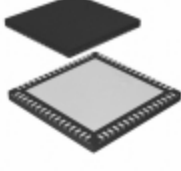
Specifications of ATSAM4SD32BA-AUR

|                                  |                                                                           |
|----------------------------------|---------------------------------------------------------------------------|
| PART NUMBER                      | ATSAM4SD32BA-AUR                                                          |
| MANUFACTURER                     | Microchip Technology                                                      |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 64LQFP                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                |
| QUANTITY AVAILABLE               | 11486 pcs                                                                 |
| DATA SHEET                       |                                                                           |
| VOLTAGE - SUPPLY (VCC/VDD)       | FLASH                                                                     |
| SERIES                           | SAM4S                                                                     |
| REVERSE RECOVERY TIME (TRR)      | 120MHz                                                                    |
| REQUIRES                         | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                |
| PROGRAM MEMORY TYPE              | 2MB (2M x 8)                                                              |
| PROGRAM MEMORY SIZE              | I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB                         |
| OTHER NAMES                      | 1611-ATSAM4SD32BA-AURDKR                                                  |
| OSCILLATOR TYPE                  | A/D 11x12b, D/A 2x12b                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                         |
| OPERATING SYSTEM                 | ARM® Cortex®-M4                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                             |
| MANUFACTURER PART NUMBER         | ATSAM4SD32BA-AUR                                                          |
| EXPANDED DESCRIPTION             | ARM® Cortex®-M4 SAM4S Microcontroller IC 32-Bit 120MHz 2MB (2M x 8) FLASH |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 64LQFP                                             |
| DATA SRAM BYTES                  | -                                                                         |
| DATA CONVERTERS                  | 1.62 V ~ 3.6 V                                                            |
| CORE SIZE                        | 160K x 8                                                                  |
| CONTROLLER SERIES                | Internal                                                                  |
| CONNECTIVITY                     | 32-Bit                                                                    |
| CLOCK RATE                       | 47                                                                        |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAM4SD32BA-AUR | ATSAM4SD32BA-AUR Distributor           | ATSAM4SD32BA-AUR Supplier                               |
| ATSAM4SD32BA-AUR Price                         | ATSAM4SD32BA-AUR Pictures              | ATSAM4SD32BA-AUR Image                                  |
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Related Products

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|  <div> <b>ATSAM4SD32BA-UUR</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 2MB FLASH 64WLCSP<br/>                     In stock: 20581 pcs<br/> <div>RFQ</div> </div> |  <div> <b>ATSAM4SD32BA-ANR</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 2MB FLASH 64LQFP<br/>                     In stock: 4636 pcs<br/> <div>RFQ</div> </div> |
|  <div> <b>ATSAM4SD32BA-MU</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 2MB FLASH 64QFN<br/>                     In stock: 10834 pcs<br/> <div>RFQ</div> </div>    |  <div> <b>ATSAM4SD16CB-CNR</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: FLASH,160K SRAM<br/>                     In stock: 14556 pcs<br/> <div>RFQ</div> </div>              |
|  <div> <b>ATSAM4SD32BA-UUR</b><br/>                     Manufacturers: Microchip Technology<br/>                     Description: IC MCU 32BIT 2MB FLASH 64WLCSP<br/>                     In stock: 17392 pcs<br/> <div>RFQ</div> </div>          |  <div> <b>ATSAM4SD32BA-AU</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 2MB FLASH 64LQFP<br/>                     In stock: 10073 pcs<br/> <div>RFQ</div> </div> |
|  <div> <b>ATSAM4SD32BA-AUR</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 2MB FLASH 64LQFP<br/>                     In stock: 25768 pcs<br/> <div>RFQ</div> </div>  |  <div> <b>ATSAM4SD16CB-CFNR</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: FLASH,160K SRAM<br/>                     In stock: 10598 pcs<br/> <div>RFQ</div> </div>             |
|  <div> <b>ATSAM4SD16CB-CN</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: FLASH,160K SRAM<br/>                     In stock: 12753 pcs<br/> <div>RFQ</div> </div>                 |  <div> <b>ATSAM4SD32BA-AN</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 2MB FLASH 64LQFP<br/>                     In stock: 3827 pcs<br/> <div>RFQ</div> </div>  |
|  <div> <b>ATSAM4SD32BA-MUR</b><br/>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 2MB FLASH 64QFN<br/>                     In stock: 23903 pcs<br/> <div>RFQ</div> </div>   |  <div> <b>ATSAM4SD32BA-MUR</b><br/>                     Manufacturers: Microchip Technology<br/>                     Description: IC MCU 32BIT 2MB FLASH 64QFN<br/>                     In stock: 12043 pcs<br/> <div>RFQ</div> </div>          |