



### ATSAML21E16B-AUT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAML21E16B-AUT                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 64KB FLASH 32TQFP                                                                               |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 38693 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

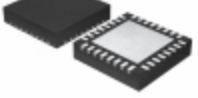
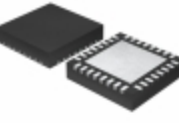
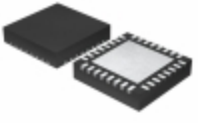
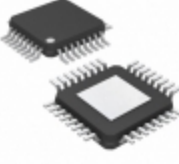
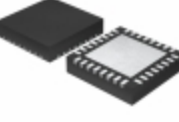
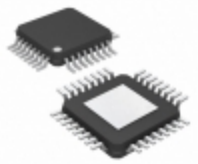
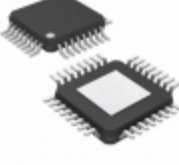
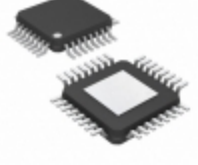
#### Specifications of ATSAML21E16B-AUT

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAML21E16B-AUT                                                               |
| MANUFACTURER                     | Microchip Technology                                                           |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 32TQFP                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                     |
| QUANTITY AVAILABLE               | 38693 pcs                                                                      |
| DATA SHEET                       |                                                                                |
| VOLTAGE - SUPPLY (VCC/VDD)       | FLASH                                                                          |
| SERIES                           | SAM L21E                                                                       |
| REVERSE RECOVERY TIME (TRR)      | 48MHz                                                                          |
| REQUIRES                         | DMA, POR, PWM, WDT                                                             |
| PROGRAM MEMORY TYPE              | 64KB (64K x 8)                                                                 |
| PROGRAM MEMORY SIZE              | I²C, LIN, SCI, SPI, UART/USART, USB                                            |
| OTHER NAMES                      | 1611-ATSAML21E16B-AUTDKR                                                       |
| OSCILLATOR TYPE                  | A/D 10x12b, D/A 2x12b                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                              |
| OPERATING SYSTEM                 | ARM® Cortex®-M0+                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                  |
| MANUFACTURER PART NUMBER         | ATSAML21E16B-AUT                                                               |
| EXPANDED DESCRIPTION             | ARM® Cortex®-M0+ SAM L21E Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 32TQFP                                                 |
| DATA SRAM BYTES                  | -                                                                              |
| DATA CONVERTERS                  | 1.62 V ~ 3.63 V                                                                |
| CORE SIZE                        | 8K x 8                                                                         |
| CONTROLLER SERIES                | Internal                                                                       |
| CONNECTIVITY                     | 32-Bit                                                                         |
| CLOCK RATE                       | 32                                                                             |

#### Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAML21E16B-AUT | ATSAML21E16B-AUT Distributor           | ATSAML21E16B-AUT Supplier                               |
| ATSAML21E16B-AUT Price                         | ATSAML21E16B-AUT Pictures              | ATSAML21E16B-AUT Image                                  |
| ATSAML21E16B-AUT PDF Datasheet                 | ATSAML21E16B-AUT Download Datasheet    | ATSAML21E16B-AUT Datasheet                              |
| ATSAML21E16B-AUT Stock                         | Buy ATSAML21E16B-AUT                   | Buy Micrel / Microchip Technology ATSAML21E16B-AUT      |
| Micrel / Microchip Technology ATSAML21E16B-AUT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAML21E16B-AUT | Microchip Technology ATSAML21E16B-AUT  | Roving Networks / Microchip Technology ATSAML21E16B-AUT |

#### Related Products

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| <div></div> <div><b>ATSAML21E15B-MUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: 48971 pcs</div> <div>RFQ</div>             | <div></div> <div><b>ATSAML21E16B-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32QFN<br/>In stock: 41003 pcs</div> <div>RFQ</div>    |
| <div></div> <div><b>ATSAML21E17B-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 32TQFP<br/>In stock: 56343 pcs</div> <div>RFQ</div>  | <div></div> <div><b>ATSAML21E16B-MUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32QFN<br/>In stock: 34080 pcs</div> <div>RFQ</div>             |
| <div></div> <div><b>ATSAML21E16B-MNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: 40666 pcs</div> <div>RFQ</div>    | <div></div> <div><b>ATSAML21E15B-MNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 32TQFP<br/>In stock: 39788 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>ATSAML21E16B-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: 35502 pcs</div> <div>RFQ</div>   | <div></div> <div><b>ATSAML21E17B-AUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 32TQFP<br/>In stock: 33983 pcs</div> <div>RFQ</div>           |
| <div></div> <div><b>ATSAML21E15B-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: 40014 pcs</div> <div>RFQ</div>    | <div></div> <div><b>ATSAML21E15B-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>In stock: 71982 pcs</div> <div>RFQ</div>   |
| <div></div> <div><b>ATSAML21E17B-ANT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32TQFP 85C, GREEN,1.6-3.6V,48MHZ<br/>In stock: 30327 pcs</div> <div>RFQ</div> | <div></div> <div><b>ATSAML21E16B-ANT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32TQFP 85C, GREEN,1.6-3.6V,48MHZ<br/>In stock: 31407 pcs</div> <div>RFQ</div> |