

MICROCHIP

Micrel / Microchip Technology

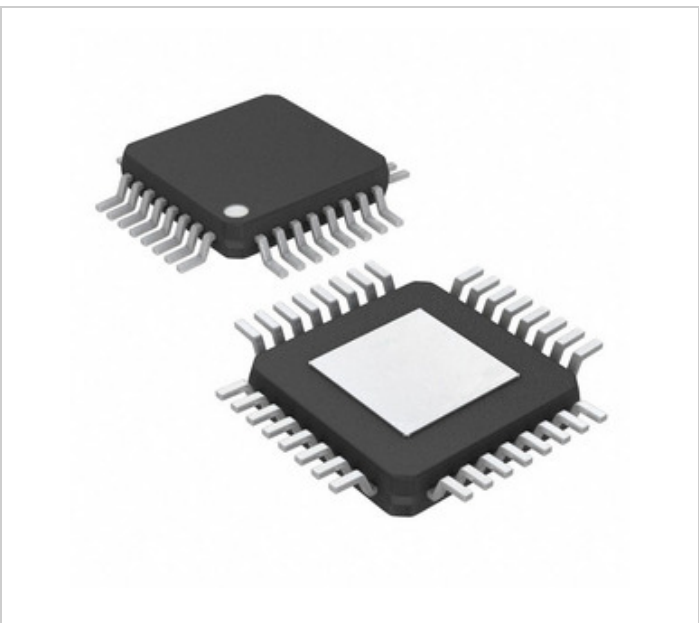


Image may be representation. See specifications for product details.

## ATSAML10E16A-AUT

|                     |                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAML10E16A-AUT                                                                                                                                                                                                     |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                        |
| Product description | IC MCU 32BIT 64KB FLASH 32TQFP                                                                                                                                                                                       |
| Datasheets:         |  1.ATSAML10E16A-AUT.pdf<br> 2.ATSAML10E16A-AUT.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                         |
| Stock Condition     | 48627 pcs stock                                                                                                                                                                                                      |
| Ship From           | Hong Kong                                                                                                                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                |

REQUEST FOR QUOTATION

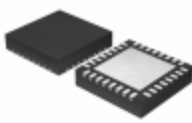
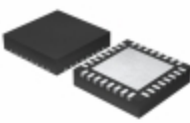
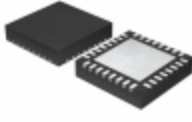
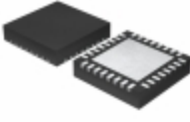
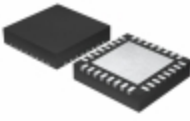
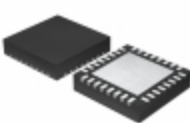
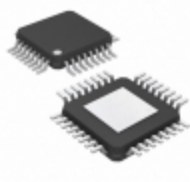
### Specifications of ATSAML10E16A-AUT

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAML10E16A-AUT                                                                                                                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 32TQFP                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 48627 pcs                                                                                                                                                                                                                |
| DATA SHEET                       |  1.ATSAML10E16A-AUT.pdf<br> 2.ATSAML10E16A-AUT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.63 V                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 32-TQFP (7x7)                                                                                                                                                                                                            |
| SPEED                            | 32MHz                                                                                                                                                                                                                    |
| SERIES                           | SAM L10                                                                                                                                                                                                                  |
| RAM SIZE                         | 16K x 8                                                                                                                                                                                                                  |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                                                                                                                                           |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                                                                                                                                               |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 32-TQFP                                                                                                                                                                                                                  |
| OTHER NAMES                      | ATSAML10E16A-AUTTR                                                                                                                                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 25                                                                                                                                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| EEPROM SIZE                      | 2K x 8                                                                                                                                                                                                                   |
| DETAILED DESCRIPTION             | ARM® Cortex®-M23 SAM L10 Microcontroller IC 32-Bit 32MHz 64KB (64K x 8) FLASH 32-TQFP (7x7)                                                                                                                              |
| DATA CONVERTERS                  | A/D 10x12b, D/A 1x10b                                                                                                                                                                                                    |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M23                                                                                                                                                                                                         |
| CONNECTIVITY                     | I²C, LINbus, SPI, UART/USART                                                                                                                                                                                             |

### Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAML10E16A-AUT | ATSAML10E16A-AUT Distributor           | ATSAML10E16A-AUT Supplier                               |
| ATSAML10E16A-AUT Price                         | ATSAML10E16A-AUT Pictures              | ATSAML10E16A-AUT Image                                  |
| ATSAML10E16A-AUT PDF Datasheet                 | ATSAML10E16A-AUT Download Datasheet    | ATSAML10E16A-AUT Datasheet                              |
| ATSAML10E16A-AUT Stock                         | Buy ATSAML10E16A-AUT                   | Buy Micrel / Microchip Technology ATSAML10E16A-AUT      |
| Micrel / Microchip Technology ATSAML10E16A-AUT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAML10E16A-AUT | Microchip Technology ATSAML10E16A-AUT  | Roving Networks / Microchip Technology ATSAML10E16A-AUT |

### Related Products

|                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                    |
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|  <div><b>ATSAML10E15A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32VQFN<br/>In stock: 70045 pcs<br/><div>RFQ</div></div>  |  <div><b>ATSAML10E16A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32VQFN<br/>In stock: 51805 pcs<br/><div>RFQ</div></div>  |
|  <div><b>ATSAML10E16A-MFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32VQFN<br/>In stock: 47680 pcs<br/><div>RFQ</div></div>  |  <div><b>ATSAML10E16A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32VQFN<br/>In stock: 50941 pcs<br/><div>RFQ</div></div> |
|  <div><b>ATSAML11D14A-MF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 16KB FLASH 24VQFN<br/>In stock: 40752 pcs<br/><div>RFQ</div></div>   |  <div><b>ATSAML10E16A-MF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32VQFN<br/>In stock: 44453 pcs<br/><div>RFQ</div></div>  |
|  <div><b>ATSAML10E15A-UUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32WLCSP<br/>In stock: 52190 pcs<br/><div>RFQ</div></div> |  <div><b>ATSAML10E15A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32VQFN<br/>In stock: 57595 pcs<br/><div>RFQ</div></div>  |
|  <div><b>ATSAML10E16A-UUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32WLCSP<br/>In stock: 65955 pcs<br/><div>RFQ</div></div> |  <div><b>ATSAML10E16A-AFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: 41187 pcs<br/><div>RFQ</div></div> |
|  <div><b>ATSAML10E16A-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: 35134 pcs<br/><div>RFQ</div></div>   |  <div><b>ATSAML10E16A-AF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: 34723 pcs<br/><div>RFQ</div></div>  |