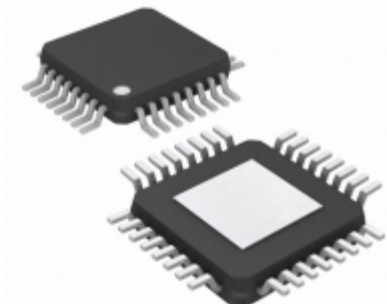


ATSAML10E16A-AUT





Part Number:

ATSAML10E16A-AUT

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 32BIT 64KB FLASH 32TQFP

Data sheet:

 [SAM L10/L11 Family Sellsheet](#)

 [SAM L10/L11 Family Datasheet](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

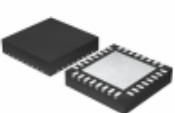
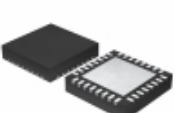
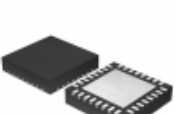
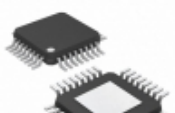
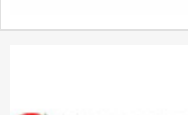
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |                                  |                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ATSAML10E16A-AUT                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 32BIT 64KB FLASH 32TQFP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 53742 pcs                                  | Data sheet                       | <a href="#">SAM L10/L11 Family Sellsheet</a><br><a href="#">SAM L10/L11 Family Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>  | 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)                                                                                |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 14 Weeks                                   | 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                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAML11D14A-YF</a><br>Description: IC MCU 32BIT 16KB FLASH 24SSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML11D14A-MUT</a><br>Description: IC MCU 32BIT 16KB FLASH 24VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E15A-MF</a><br>Description: IC MCU 32BIT 32KB FLASH 32VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E15A-MU</a><br>Description: IC MCU 32BIT 32KB FLASH 32VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E15A-UUT</a><br>Description: IC MCU 32BIT 32KB FLASH 32WLCSP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E16A-MU</a><br>Description: IC MCU 32BIT 64KB FLASH 32VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E16A-AFT</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E16A-AF</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML11D14A-MF</a><br>Description: IC MCU 32BIT 16KB FLASH 24VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E15A-AU</a><br>Description: IC MCU 32BIT 32KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E16A-MF</a><br>Description: IC MCU 32BIT 64KB FLASH 32VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E15A-MUT</a><br>Description: IC MCU 32BIT 32KB FLASH 32VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E16A-UUT</a><br>Description: IC MCU 32BIT 64KB FLASH 32WLCSP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E16A-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E16A-MUT</a><br>Description: IC MCU 32BIT 64KB FLASH 32VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML11D14A-MU</a><br>Description: IC MCU 32BIT 16KB FLASH 24VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E15A-MFT</a><br>Description: IC MCU 32BIT 32KB FLASH 32VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E16A-MFT</a><br>Description: IC MCU 32BIT 64KB FLASH 32VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML11D14A-MFT</a><br>Description: IC MCU 32BIT 16KB FLASH 24VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10E15A-AUT</a><br>Description: IC MCU 32BIT 32KB FLASH 32TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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