

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

ATSAML10E15A-AU

|                     |                                                                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAML10E15A-AU                                                                                                                                                                                                    |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                      |
| Product description | IC MCU 32BIT 32KB FLASH 32TQFP                                                                                                                                                                                     |
| Datasheets:         |  1.ATSAML10E15A-AU.pdf<br> 2.ATSAML10E15A-AU.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                       |
| Stock Condition     | 43863 pcs stock                                                                                                                                                                                                    |
| Ship From           | Hong Kong                                                                                                                                                                                                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                              |

REQUEST FOR QUOTATION

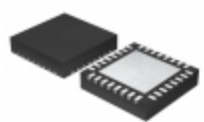
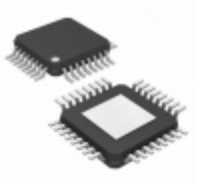
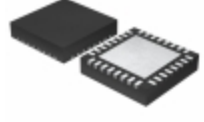
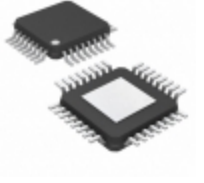
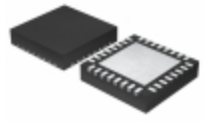
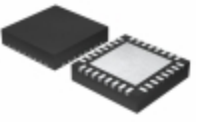
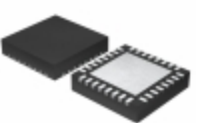
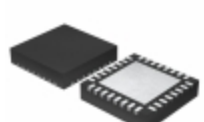
Specifications of ATSAML10E15A-AU

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAML10E15A-AU                                                                                                                                                                                                        |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 32TQFP                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 43863 pcs                                                                                                                                                                                                              |
| DATA SHEET                       |  1.ATSAML10E15A-AU.pdf<br> 2.ATSAML10E15A-AU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.63 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 32-TQFP (7x7)                                                                                                                                                                                                          |
| SPEED                            | 32MHz                                                                                                                                                                                                                  |
| SERIES                           | SAM L10                                                                                                                                                                                                                |
| RAM SIZE                         | 8K x 8                                                                                                                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                                                                                                                                             |
| PACKAGING                        | Tray                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 32-TQFP                                                                                                                                                                                                                |
| 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 32KB (32K 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 ATSAML10E15A-AU | ATSAML10E15A-AU Distributor            | ATSAML10E15A-AU Supplier                               |
| ATSAML10E15A-AU Price                         | ATSAML10E15A-AU Pictures               | ATSAML10E15A-AU Image                                  |
| ATSAML10E15A-AU PDF Datasheet                 | ATSAML10E15A-AU Download Datasheet     | ATSAML10E15A-AU Datasheet                              |
| ATSAML10E15A-AU Stock                         | Buy ATSAML10E15A-AU                    | Buy Micrel / Microchip Technology ATSAML10E15A-AU      |
| Micrel / Microchip Technology ATSAML10E15A-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAML10E15A-AU | Microchip Technology ATSAML10E15A-AU   | Roving Networks / Microchip Technology ATSAML10E15A-AU |

Related Products

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                         |
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|  <p><b>ATSAML10E15A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32VQFN<br/>In stock: 57595 pcs</p> <p>RFQ</p>   |  <p><b>ATSAML10E15A-AFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>In stock: 49276 pcs</p> <p>RFQ</p>  |
|  <p><b>ATSAML10E14A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 16KB FLASH 32VQFN<br/>In stock: 68232 pcs</p> <p>RFQ</p>  |  <p><b>ATSAML10E14A-UUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 16KB FLASH 32WLCSP<br/>In stock: 71939 pcs</p> <p>RFQ</p> |
|  <p><b>ATSAML10E15A-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>In stock: 46149 pcs</p> <p>RFQ</p>  |  <p><b>ATSAML10E15A-AF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>In stock: 42635 pcs</p> <p>RFQ</p>   |
|  <p><b>ATSAML10E14A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 16KB FLASH 32VQFN<br/>In stock: 61267 pcs</p> <p>RFQ</p>   |  <p><b>ATSAML10E14A-MFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 16KB FLASH 32VQFN<br/>In stock: 55256 pcs</p> <p>RFQ</p>  |
|  <p><b>ATSAML10E15A-UUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32WLCSP<br/>In stock: 52190 pcs</p> <p>RFQ</p> |  <p><b>ATSAML10E15A-MF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32VQFN<br/>In stock: 51640 pcs</p> <p>RFQ</p>   |
|  <p><b>ATSAML10E15A-MFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32VQFN<br/>In stock: 44744 pcs</p> <p>RFQ</p>  |  <p><b>ATSAML10E15A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32VQFN<br/>In stock: 70045 pcs</p> <p>RFQ</p>  |