



Micrel / Microchip Technology

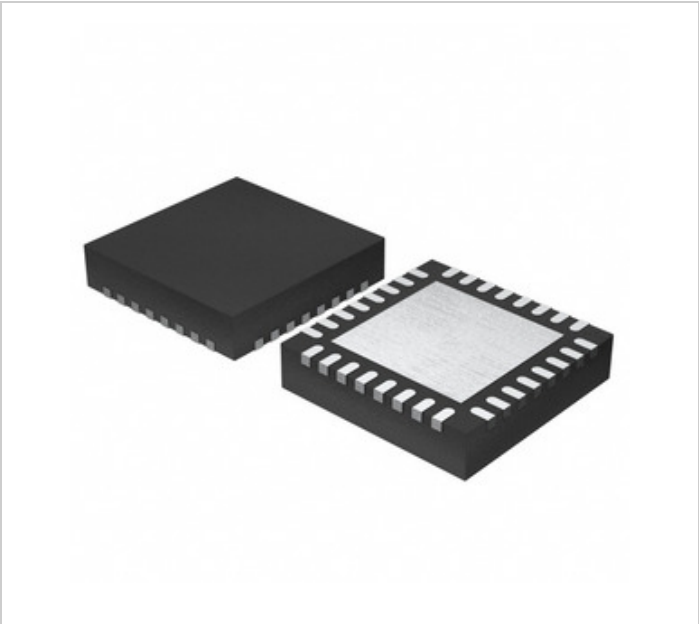


Image may be representation. See specifications for product details.

ATSAML11E16A-MU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAML11E16A-MU                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 64KB FLASH 32VQFN                                                                               |
|                     |  1.ATSAML11E16A-MU.pdf      |
|                     |  2.ATSAML11E16A-MU.pdf      |
| Datasheets:         |                                                                                                              |
| RoHS Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

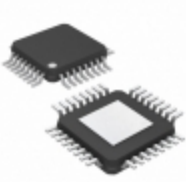
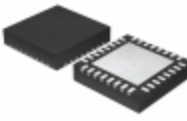
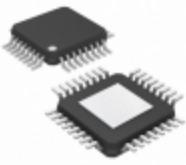
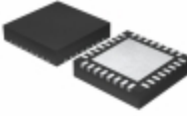
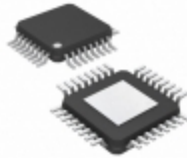
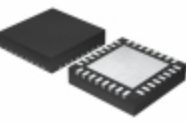
Specifications of ATSAML11E16A-MU

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAML11E16A-MU                                                                                                                                                                                                        |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 32VQFN                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| DATA SHEET                       |  1.ATSAML11E16A-MU.pdf<br> 2.ATSAML11E16A-MU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.63 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 32-VQFN (5x5)                                                                                                                                                                                                          |
| SPEED                            | 32MHz                                                                                                                                                                                                                  |
| SERIES                           | SAM L11                                                                                                                                                                                                                |
| 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                        | Tray                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 32-VFQFN Exposed Pad                                                                                                                                                                                                   |
| 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  | 13 Weeks                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| EEPROM SIZE                      | 2K x 8                                                                                                                                                                                                                 |
| DETAILED DESCRIPTION             | ARM® Cortex®-M23 SAM L11 Microcontroller IC 32-Bit 32MHz 64KB (64K x 8) FLASH 32-VQFN (5x5)                                                                                                                            |
| 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 ATSAML11E16A-MU | ATSAML11E16A-MU Distributor            | ATSAML11E16A-MU Supplier                               |
| ATSAML11E16A-MU Price                         | ATSAML11E16A-MU Pictures               | ATSAML11E16A-MU Image                                  |
| ATSAML11E16A-MU PDF Datasheet                 | ATSAML11E16A-MU Download Datasheet     | ATSAML11E16A-MU Datasheet                              |
| ATSAML11E16A-MU Stock                         | Buy ATSAML11E16A-MU                    | Buy Micrel / Microchip Technology ATSAML11E16A-MU      |
| Micrel / Microchip Technology ATSAML11E16A-MU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAML11E16A-MU | Microchip Technology ATSAML11E16A-MU   | Roving Networks / Microchip Technology ATSAML11E16A-MU |

Related Products

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|  <div><b>ATSAML11E16A-AF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>ATSAML11E16A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32VQFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>ATSAML21-XPRO-B</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: EVAL KIT FOR SAML21<br/>In stock: 136 pcs<br/><div>RFQ</div></div>                 |  <div><b>ATSAML21E15B-ANT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32TQFP 85C, GREEN,1.6-3.6V,48MHZ<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>ATSAML11E16A-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: 165 pcs<br/><div>RFQ</div></div>      |  <div><b>ATSAML11E16A-MF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32VQFN<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
|  <div><b>ATSAML11E16A-UUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32WL CSP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>ATSAML11E16A-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>ATSAML11E16A-MFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32VQFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>ATSAML11E16A-AFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>ATSAML21-XPRO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: EVAL KIT FOR SAML21<br/>In stock: Out stock<br/><div>RFQ</div></div>                 |  <div><b>ATSAML21E15B-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |