



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAML11D16A-MF**

|                     |                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAML11D16A-MF                                                                                                           |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                             |
| Product description | IC MCU 32BIT 64KB FLASH 24VQFN                                                                                            |
|                     | <div>PDF</div> <div>1.ATSAML11D16A-MF.pdf</div> <div>PDF</div> <div>2.ATSAML11D16A-MF.pdf</div>                           |
| Datasheets:         | <div>  Lead free / RoHS Compliant </div> |
| RoHs Status         | 39858 pcs stock                                                                                                           |
| Stock Condition     | Hong Kong                                                                                                                 |
| Ship From           | DHL/Fedex/TNT/UPS/EMS                                                                                                     |
| Shipment Way        |                                                                                                                           |

REQUEST FOR QUOTATION

Specifications of ATSAML11D16A-MF

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAML11D16A-MF                                                                                 |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 24VQFN                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| QUANTITY AVAILABLE               | 39858 pcs                                                                                       |
| DATA SHEET                       | <div>PDF</div> <div>1.ATSAML11D16A-MF.pdf</div> <div>PDF</div> <div>2.ATSAML11D16A-MF.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.63 V                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 24-VQFN (4x4)                                                                                   |
| 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                   | 24-VFQFN Exposed Pad                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                              |
| NUMBER OF I/O                    | 17                                                                                              |
| 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 L11 Microcontroller IC 32-Bit 32MHz 64KB (64K x 8) FLASH 24-VQFN (4x4)     |
| DATA CONVERTERS                  | A/D 5x12b, D/A 1x10b                                                                            |
| CORE SIZE                        | 32-Bit                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M23                                                                                |
| CONNECTIVITY                     | I²C, LINbus, SPI, UART/USART                                                                    |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAML11D16A-MF | ATSAML11D16A-MF Distributor            | ATSAML11D16A-MF Supplier                               |
| ATSAML11D16A-MF Price                         | ATSAML11D16A-MF Pictures               | ATSAML11D16A-MF Image                                  |
| ATSAML11D16A-MF PDF Datasheet                 | ATSAML11D16A-MF Download Datasheet     | ATSAML11D16A-MF Datasheet                              |
| ATSAML11D16A-MF Stock                         | Buy ATSAML11D16A-MF                    | Buy Micrel / Microchip Technology ATSAML11D16A-MF      |
| Micrel / Microchip Technology ATSAML11D16A-MF | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAML11D16A-MF | Microchip Technology ATSAML11D16A-MF   | Roving Networks / Microchip Technology ATSAML11D16A-MF |

Related Products

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div> <b>ATSAML11D16A-YU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 24SSOP<br/> In stock: 37463 pcs </div> <div>RFQ</div>  |  <div> <b>ATSAML11D15A-YFT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 24SSOP<br/> In stock: 51583 pcs </div> <div>RFQ</div> |
|  <div> <b>ATSAML11D16A-YF</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 24SSOP<br/> In stock: 33865 pcs </div> <div>RFQ</div>  |  <div> <b>ATSAML11D16A-YFT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 24SSOP<br/> In stock: 46350 pcs </div> <div>RFQ</div> |
|  <div> <b>ATSAML11D15A-YU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 24SSOP<br/> In stock: 45645 pcs </div> <div>RFQ</div>  |  <div> <b>ATSAML11D16A-MUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 24VQFN<br/> In stock: 58458 pcs </div> <div>RFQ</div> |
|  <div> <b>ATSAML11D16A-MFT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 24VQFN<br/> In stock: 40521 pcs </div> <div>RFQ</div> |  <div> <b>ATSAML11D15A-YF</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 24SSOP<br/> In stock: 46855 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAML11D15A-MUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 24VQFN<br/> In stock: 52417 pcs </div> <div>RFQ</div> |  <div> <b>ATSAML11D15A-MU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 24VQFN<br/> In stock: 46498 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAML11D15A-YUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 24SSOP<br/> In stock: 62999 pcs </div> <div>RFQ</div> |  <div> <b>ATSAML11D16A-MU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 24VQFN<br/> In stock: 49768 pcs </div> <div>RFQ</div>  |