



Image may be representation. See specifications for product details.

**ATSAMD21J18A-MU**

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD21J18A-MU                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 256KB FLASH 64QFN                                                                               |
| Datasheets:         | <div>PDF</div> <a href="#">1.ATSAMD21J18A-MU.pdf</a> <div>PDF</div> <a href="#">2.ATSAMD21J18A-MU.pdf</a>    |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 27292 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

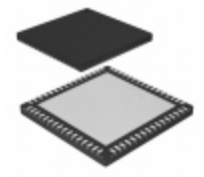
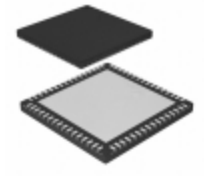
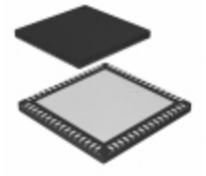
Specifications of ATSAMD21J18A-MU

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD21J18A-MU                                                                                           |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                             |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64QFN                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                |
| QUANTITY AVAILABLE               | 27292 pcs                                                                                                 |
| DATA SHEET                       | <div>PDF</div> <a href="#">1.ATSAMD21J18A-MU.pdf</a> <div>PDF</div> <a href="#">2.ATSAMD21J18A-MU.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 64-QFN (9x9)                                                                                              |
| SPEED                            | 48MHz                                                                                                     |
| SERIES                           | SAM D21J                                                                                                  |
| RAM SIZE                         | 32K x 8                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                     |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                          |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                           |
| PACKAGING                        | Tray                                                                                                      |
| PACKAGE / CASE                   | 64-VFQFN Exposed Pad                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                         |
| NUMBER OF I/O                    | 52                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                |
| EEPROM SIZE                      | -                                                                                                         |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ SAM D21J Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 64-QFN (9x9)             |
| DATA CONVERTERS                  | A/D 20x12b, D/A 1x10b                                                                                     |
| CORE SIZE                        | 32-Bit                                                                                                    |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                          |
| CONNECTIVITY                     | I²C, LINbus, SPI, UART/USART, USB                                                                         |
| BASE PART NUMBER                 | ATSAMD21J18                                                                                               |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD21J18A-MU | ATSAMD21J18A-MU Distributor            | ATSAMD21J18A-MU Supplier                               |
| ATSAMD21J18A-MU Price                         | ATSAMD21J18A-MU Pictures               | ATSAMD21J18A-MU Image                                  |
| ATSAMD21J18A-MU PDF Datasheet                 | ATSAMD21J18A-MU Download Datasheet     | ATSAMD21J18A-MU Datasheet                              |
| ATSAMD21J18A-MU Stock                         | Buy ATSAMD21J18A-MU                    | Buy Micrel / Microchip Technology ATSAMD21J18A-MU      |
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| Micrel / Microchip Technology ATSAMD21J18A-MU | Microchip Technology ATSAMD21J18A-MU   | Roving Networks / Microchip Technology ATSAMD21J18A-MU |

Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>ATSAMD51G19A-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: 120MHZ 512KB FLASH 48 QFN PKG IN<br>In stock: 22002 pcs<br><div>RFQ</div>  |  <b>ATSAMD51G18A-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: 120MHZ 256KB FLASH 48 QFN PKG IN<br>In stock: 27724 pcs<br><div>RFQ</div>  |
|  <b>ATSAMD21J18A-MFT</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64QFN<br>In stock: 6006 pcs<br><div>RFQ</div>             |  <b>ATSAMD21J18A-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64UFBGA<br>In stock: 31770 pcs<br><div>RFQ</div>  |
|  <b>ATSAMD21J18A-MUT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64QFN<br>In stock: 33892 pcs<br><div>RFQ</div>   |  <b>ATSAMD51J18A-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: 120MHZ 256KB FLASH 64 TQFP PKG I<br>In stock: 24329 pcs<br><div>RFQ</div>  |
|  <b>ATSAMD21J18A-MF</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64QFN<br>In stock: 24118 pcs<br><div>RFQ</div>    |  <b>ATSAMD21J18A-MFT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64QFN<br>In stock: 30934 pcs<br><div>RFQ</div>   |
|  <b>ATSAMD51G18A-MUT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: 120MHZ 256KB FLASH 48 QFN PKG IN<br>In stock: 35365 pcs<br><div>RFQ</div> |  <b>ATSAMD51G19A-MUT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: 120MHZ 512KB FLASH 48 QFN PKG IN<br>In stock: 30498 pcs<br><div>RFQ</div> |
|  <b>ATSAMD21J18A-CUT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64UFBGA<br>In stock: 35282 pcs<br><div>RFQ</div> |  <b>ATSAMD21J18A-CUT</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 64UFBGA<br>In stock: 34080 pcs<br><div>RFQ</div>          |