



**Micrel / Microchip Technology**

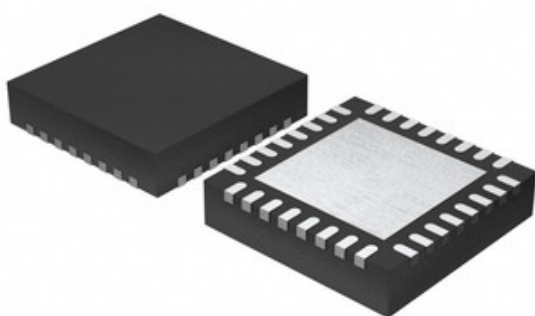


Image may be representation. See specifications for product details.

**ATSAMD21E15B-MF**

|                     |                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD21E15B-MF                                                                                                           |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                             |
| Product description | IC MCU 32BIT 32KB FLASH 32QFN                                                                                             |
|                     | <div>PDF</div> <div>1.ATSAMD21E15B-MF.pdf</div> <div>PDF</div> <div>2.ATSAMD21E15B-MF.pdf</div>                           |
| Datasheets:         | <div>  Lead free / RoHS Compliant </div> |
| RoHs Status         | 66267 pcs stock                                                                                                           |
| Stock Condition     | Hong Kong                                                                                                                 |
| Ship From           | DHL/Fedex/TNT/UPS/EMS                                                                                                     |
| Shipment Way        |                                                                                                                           |

REQUEST FOR QUOTATION

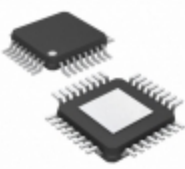
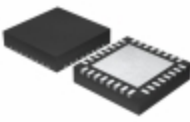
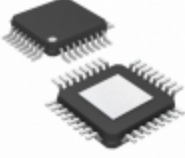
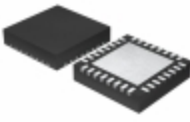
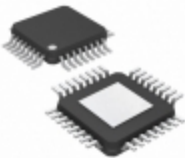
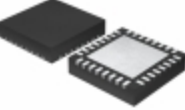
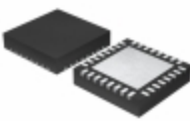
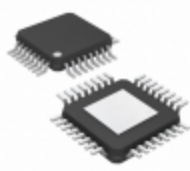
Specifications of ATSAMD21E15B-MF

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD21E15B-MF                                                                                 |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 32QFN                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| QUANTITY AVAILABLE               | 66267 pcs                                                                                       |
| DATA SHEET                       | <div>PDF</div> <div>1.ATSAMD21E15B-MF.pdf</div> <div>PDF</div> <div>2.ATSAMD21E15B-MF.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 32-QFN (5x5)                                                                                    |
| SPEED                            | 48MHz                                                                                           |
| SERIES                           | SAM D21E                                                                                        |
| RAM SIZE                         | 4K x 8                                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                                           |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                  |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                 |
| PACKAGING                        | Tray                                                                                            |
| PACKAGE / CASE                   | 32-VFQFN Exposed Pad                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                              |
| NUMBER OF I/O                    | 26                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| EEPROM SIZE                      | -                                                                                               |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ SAM D21E Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 32-QFN (5x5)     |
| DATA CONVERTERS                  | A/D 10x12b, D/A 1x10b                                                                           |
| CORE SIZE                        | 32-Bit                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                |
| CONNECTIVITY                     | I²C, LINbus, SPI, UART/USART, USB                                                               |
| BASE PART NUMBER                 | ATSAMD21E15                                                                                     |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD21E15B-MF | ATSAMD21E15B-MF Distributor            | ATSAMD21E15B-MF Supplier                               |
| ATSAMD21E15B-MF Price                         | ATSAMD21E15B-MF Pictures               | ATSAMD21E15B-MF Image                                  |
| ATSAMD21E15B-MF PDF Datasheet                 | ATSAMD21E15B-MF Download Datasheet     | ATSAMD21E15B-MF Datasheet                              |
| ATSAMD21E15B-MF Stock                         | Buy ATSAMD21E15B-MF                    | Buy Micrel / Microchip Technology ATSAMD21E15B-MF      |
| Micrel / Microchip Technology ATSAMD21E15B-MF | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAMD21E15B-MF | Microchip Technology ATSAMD21E15B-MF   | Roving Networks / Microchip Technology ATSAMD21E15B-MF |

Related Products

|                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div> <b>ATSAMD21E15B-AU</b> </div> <div>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>                     In stock: 45104 pcs                 </div> <div>RFQ</div>  |  <div> <b>ATSAMD21E15B-MU</b> </div> <div>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>                     In stock: 60867 pcs                 </div> <div>RFQ</div>    |
|  <div> <b>ATSAMD21E15B-AFT</b> </div> <div>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>                     In stock: 99044 pcs                 </div> <div>RFQ</div> |  <div> <b>ATSAMD21E15B-MFT</b> </div> <div>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>                     In stock: 60979 pcs                 </div> <div>RFQ</div>   |
|  <div> <b>ATSAMD21E15B-MFT</b> </div> <div>                     Manufacturers: Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>                     In stock: 52824 pcs                 </div> <div>RFQ</div>           |  <div> <b>ATSAMD21E15B-AFT</b> </div> <div>                     Manufacturers: Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>                     In stock: 49997 pcs                 </div> <div>RFQ</div>           |
|  <div> <b>ATSAMD21E15B-AF</b> </div> <div>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>                     In stock: 54930 pcs                 </div> <div>RFQ</div>  |  <div> <b>ATSAMD21E15B-UUT</b> </div> <div>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 35WLCSP<br/>                     In stock: 51619 pcs                 </div> <div>RFQ</div> |
|  <div> <b>ATSAMD21E15B-MUT</b> </div> <div>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>                     In stock: 69444 pcs                 </div> <div>RFQ</div>  |  <div> <b>ATSAMD21E15A-MUT</b> </div> <div>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>                     In stock: 71054 pcs                 </div> <div>RFQ</div>   |
|  <div> <b>ATSAMD21E15B-MUT</b> </div> <div>                     Manufacturers: Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>                     In stock: 60699 pcs                 </div> <div>RFQ</div>           |  <div> <b>ATSAMD21E15B-AUT</b> </div> <div>                     Manufacturers: Micrel / Microchip Technology<br/>                     Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>                     In stock: 67219 pcs                 </div> <div>RFQ</div>  |