



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAMD21J17A-CUT**

|                     |                                                                                                                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD21J17A-CUT                                                                                                                                                                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                               |
| Product description | IC MCU 32BIT 128KB FLASH 64UFBGA                                                                                                                                                                                                                            |
| Datasheets:         | <div>  1.ATSAMD21J17A-CUT.pdf         </div> <div>  2.ATSAMD21J17A-CUT.pdf         </div> |
| RoHs Status         | <div>  Lead free / RoHS Compliant         </div>                                                                                                                           |
| Stock Condition     | 48440 pcs stock                                                                                                                                                                                                                                             |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                   |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                       |

REQUEST FOR QUOTATION

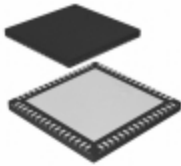
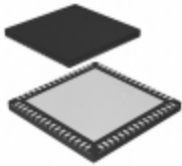
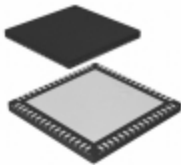
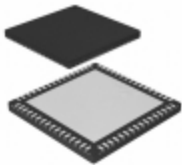
Specifications of ATSAMD21J17A-CUT

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD21J17A-CUT                                                                                                                                                                                                                                                |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 64UFBGA                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                      |
| QUANTITY AVAILABLE               | 48440 pcs                                                                                                                                                                                                                                                       |
| DATA SHEET                       | <div>  1.ATSAMD21J17A-CUT.pdf         </div> <div>  2.ATSAMD21J17A-CUT.pdf         </div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                                                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 64-UFBGA (5x5)                                                                                                                                                                                                                                                  |
| SPEED                            | 48MHz                                                                                                                                                                                                                                                           |
| SERIES                           | SAM D21J                                                                                                                                                                                                                                                        |
| RAM SIZE                         | 16K x 8                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                           |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                                                                                                                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                                                                                                                                                                 |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                |
| PACKAGE / CASE                   | 64-UFBGA                                                                                                                                                                                                                                                        |
| OTHER NAMES                      | ATSAMD21J17A-CUT-ND<br>ATSAMD21J17A-CUTTR                                                                                                                                                                                                                       |
| 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 128KB (128K x 8) FLASH 64-UFBGA (5x5)                                                                                                                                                                 |
| 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                 | ATSAMD21J17                                                                                                                                                                                                                                                     |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD21J17A-CUT | ATSAMD21J17A-CUT Distributor           | ATSAMD21J17A-CUT Supplier                               |
| ATSAMD21J17A-CUT Price                         | ATSAMD21J17A-CUT Pictures              | ATSAMD21J17A-CUT Image                                  |
| ATSAMD21J17A-CUT PDF Datasheet                 | ATSAMD21J17A-CUT Download Datasheet    | ATSAMD21J17A-CUT Datasheet                              |
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Related Products

|                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div> <b>ATSAMD21J17A-AU</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>           In stock: 45965 pcs         </div> <div> <b>RFQ</b> </div>  |  <div> <b>ATSAMD21J17A-AFT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>           In stock: 39065 pcs         </div> <div> <b>RFQ</b> </div> |
|  <div> <b>ATSAMD21J17A-AU</b> </div> <div>           Manufacturers: Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>           In stock: 46185 pcs         </div> <div> <b>RFQ</b> </div>           |  <div> <b>ATSAMD21J17A-CUT</b> </div> <div>           Manufacturers: Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64UFBGA<br/>           In stock: 36781 pcs         </div> <div> <b>RFQ</b> </div>         |
|  <div> <b>ATSAMD21J17A-MUT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>           In stock: 78643 pcs         </div> <div> <b>RFQ</b> </div>  |  <div> <b>ATSAMD21J17A-MF</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>           In stock: 43631 pcs         </div> <div> <b>RFQ</b> </div>   |
|  <div> <b>ATSAMD21J18A-AF</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>           In stock: 22717 pcs         </div> <div> <b>RFQ</b> </div>  |  <div> <b>ATSAMD21J17A-MUT</b> </div> <div>           Manufacturers: Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>           In stock: 40699 pcs         </div> <div> <b>RFQ</b> </div>           |
|  <div> <b>ATSAMD21J17A-MFT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>           In stock: 50440 pcs         </div> <div> <b>RFQ</b> </div>  |  <div> <b>ATSAMD21J17A-MU</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>           In stock: 34848 pcs         </div> <div> <b>RFQ</b> </div>   |
|  <div> <b>ATSAMD21J17A-AUT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>           In stock: 48786 pcs         </div> <div> <b>RFQ</b> </div> |  <div> <b>ATSAMD21J17A-CU</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 128KB FLASH 64UFBGA<br/>           In stock: 46680 pcs         </div> <div> <b>RFQ</b> </div> |