



### ATSAMD21J18A-AFT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD21J18A-AFT                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 256KB FLASH 64TQFP                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 31096 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

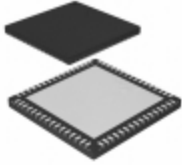
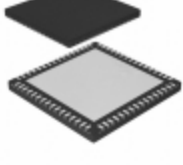
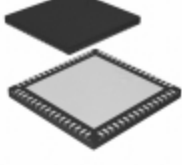
#### Specifications of ATSAMD21J18A-AFT

|                                  |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD21J18A-AFT                                                                 |
| MANUFACTURER                     | Microchip Technology                                                             |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64TQFP                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                       |
| QUANTITY AVAILABLE               | 31096 pcs                                                                        |
| DATA SHEET                       |                                                                                  |
| VOLTAGE - SUPPLY (VCC/VDD)       | FLASH                                                                            |
| SERIES                           | SAM D21J                                                                         |
| REVERSE RECOVERY TIME (TRR)      | 48MHz                                                                            |
| REQUIRES                         | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                  |
| PROGRAM MEMORY TYPE              | 256KB (256K x 8)                                                                 |
| PROGRAM MEMORY SIZE              | I²C, LIN, SPI, UART/USART, USB                                                   |
| OTHER NAMES                      | 1611-ATSAMD21J18A-AFTDKR                                                         |
| OSCILLATOR TYPE                  | A/D 20x12b, D/A 1x10b                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                               |
| OPERATING SYSTEM                 | ARM® Cortex®-M0+                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                    |
| MANUFACTURER PART NUMBER         | ATSAMD21J18A-AFT                                                                 |
| EXPANDED DESCRIPTION             | ARM® Cortex®-M0+ SAM D21J Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64TQFP                                                  |
| DATA SRAM BYTES                  | -                                                                                |
| DATA CONVERTERS                  | 1.62 V ~ 3.6 V                                                                   |
| CORE SIZE                        | 32K x 8                                                                          |
| CONTROLLER SERIES                | Internal                                                                         |
| CONNECTIVITY                     | 32-Bit                                                                           |
| CLOCK RATE                       | 52                                                                               |

#### Related Tags

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

#### Related Products

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| <div></div> <div><b>ATSAMD21J17A-MFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 50440 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>ATSAMD21J17A-MUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 40699 pcs<br/><div>RFQ</div></div>           |
| <div></div> <div><b>ATSAMD21J18A-AFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 33762 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>ATSAMD21J18A-AF</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 32683 pcs<br/><div>RFQ</div></div>           |
| <div></div> <div><b>ATSAMD21J18A-AF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 22717 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>ATSAMD21J17A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 34848 pcs<br/><div>RFQ</div></div>   |
| <div></div> <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></div>         | <div></div> <div><b>ATSAMD21J18A-AUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 31872 pcs<br/><div>RFQ</div></div>          |
| <div></div> <div><b>ATSAMD21J17A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 78643 pcs<br/><div>RFQ</div></div>  | <div></div> <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></div> |
| <div></div> <div><b>ATSAMD21J18A-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 34791 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>ATSAMD21J18A-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 25601 pcs<br/><div>RFQ</div></div>  |