



Microchip Technology



ATSAMD21J18A-AF

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD21J18A-AF                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 256KB FLASH 64TQFP                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 32683 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

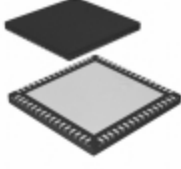
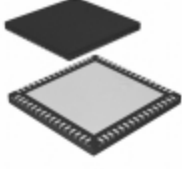
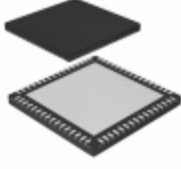
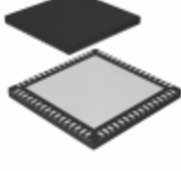
Specifications of ATSAMD21J18A-AF

|                                  |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD21J18A-AF                                                                  |
| MANUFACTURER                     | Microchip Technology                                                             |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64TQFP                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                       |
| QUANTITY AVAILABLE               | 32683 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-AF                                                             |
| 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-AF                                                                  |
| 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-AF | ATSAMD21J18A-AF Distributor            | ATSAMD21J18A-AF Supplier                               |
| ATSAMD21J18A-AF Price                         | ATSAMD21J18A-AF Pictures               | ATSAMD21J18A-AF Image                                  |
| ATSAMD21J18A-AF PDF Datasheet                 | ATSAMD21J18A-AF Download Datasheet     | ATSAMD21J18A-AF Datasheet                              |
| ATSAMD21J18A-AF Stock                         | Buy ATSAMD21J18A-AF                    | Buy Micrel / Microchip Technology ATSAMD21J18A-AF      |
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Related Products

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| <div></div> <div><b>ATSAMD21J18A-AUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 31872 pcs</div> <div>RFQ</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</div> <div>RFQ</div> |
| <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</div> <div>RFQ</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</div> <div>RFQ</div>   |
| <div></div> <div><b>ATSAMD21J18A-AFT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 31096 pcs</div> <div>RFQ</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</div> <div>RFQ</div> |
| <div></div> <div><b>ATSAMD21J17A-MF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 43631 pcs</div> <div>RFQ</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</div> <div>RFQ</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</div> <div>RFQ</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</div> <div>RFQ</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</div> <div>RFQ</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</div> <div>RFQ</div> |