



Micrel / Microchip Technology

## ATSAMD21J15B-AF

Part Number: **ATSAMD21J15B-AF**  
 Manufacturer/Brand: **Micrel / Microchip Technology**  
 Product description: **IC MCU 32BIT 32KB FLASH 64TQFP**  
 Datasheets: [1.ATSAMD21J15B-AF.pdf](#)  
[2.ATSAMD21J15B-AF.pdf](#)  
 RoHs Status: **Lead free / RoHS Compliant**  
 Ship From: **Hong Kong**  
 Shipment Way: **DHL/Fedex/TNT/UPS/EMS**



Image may be representation. See specifications for product details.

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### Specifications of ATSAMD21J15B-AF

PART NUMBER	ATSAMD21J15B-AF
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 32BIT 32KB FLASH 64TQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.ATSAMD21J15B-AF.pdf</a> <a href="#">2.ATSAMD21J15B-AF.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.62 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	64-TQFP (10x10)
SPEED	48MHz
SERIES	SAM D21J
RAM SIZE	4K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	32KB (32K x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	64-TQFP Exposed Pad
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	52
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	16 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M0+ SAM D21J Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 64-TQFP (10x10)
DATA CONVERTERS	A/D 20x12b, D/A 1x10b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M0+
CONNECTIVITY	I <sup>2</sup> C, LINbus, SPI, UART/USART, USB
BASE PART NUMBER	ATSAMD21J15

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 <b>ATSAMD21J15A-MUT</b> Manufacturers: <b>Micrel / Microchip Technology</b> Description: <b>IC MCU 32BIT 32KB FLASH 64QFN</b> In stock: <b>Out stock</b> <a href="#">RFQ</a>	 <b>ATSAMD21J15A-MU</b> Manufacturers: <b>Micrel / Microchip Technology</b> Description: <b>IC MCU 32BIT 32KB FLASH 64QFN</b> In stock: <b>Out stock</b> <a href="#">RFQ</a>
 <b>ATSAMD21G18A-UUT</b> Manufacturers: <b>Micrel / Microchip Technology</b> Description: <b>IC MCU 32BIT 256KB FLASH 45WLCSP</b> In stock: <b>Out stock</b> <a href="#">RFQ</a>	 <b>ATSAMD21J15B-MF</b> Manufacturers: <b>Micrel / Microchip Technology</b> Description: <b>IC MCU 32BIT 32KB FLASH 64QFN</b> In stock: <b>Out stock</b> <a href="#">RFQ</a>
 <b>ATSAMD21J15B-AUT</b> Manufacturers: <b>Micrel / Microchip Technology</b> Description: <b>IC MCU 32BIT 32KB FLASH 64TQFP</b> In stock: <b>36 pcs</b> <a href="#">RFQ</a>	 <b>ATSAMD21J15B-AFT</b> Manufacturers: <b>Micrel / Microchip Technology</b> Description: <b>IC MCU 32BIT 32KB FLASH 64TQFP</b> In stock: <b>Out stock</b> <a href="#">RFQ</a>
 <b>ATSAMD21G18A-MUT</b> Manufacturers: <b>Micrel / Microchip Technology</b> Description: <b>IC MCU 32BIT 256KB FLASH 48QFN</b> In stock: <b>Out stock</b> <a href="#">RFQ</a>	 <b>ATSAMD21J15B-AUT</b> Manufacturers: <b>Microchip Technology</b> Description: <b>IC MCU 32BIT 32KB FLASH 64TQFP</b> In stock: <b>75 pcs</b> <a href="#">RFQ</a>
 <b>ATSAMD21J15A-AU</b> Manufacturers: <b>Micrel / Microchip Technology</b> Description: <b>IC MCU 32BIT 32KB FLASH 64TQFP</b> In stock: <b>Out stock</b> <a href="#">RFQ</a>	 <b>ATSAMD21J15B-AFT</b> Manufacturers: <b>Microchip Technology</b> Description: <b>IC MCU 32BIT 32KB FLASH 64TQFP</b> In stock: <b>Out stock</b> <a href="#">RFQ</a>
 <b>ATSAMD21J15A-AUT</b> Manufacturers: <b>Micrel / Microchip Technology</b> Description: <b>IC MCU 32BIT 32KB FLASH 64TQFP</b> In stock: <b>Out stock</b> <a href="#">RFQ</a>	 <b>ATSAMD21J15B-AU</b> Manufacturers: <b>Micrel / Microchip Technology</b> Description: <b>IC MCU 32BIT 32KB FLASH 64TQFP</b> In stock: <b>473 pcs</b> <a href="#">RFQ</a>

