



Micrel / Microchip Technology

## ATSAMD21G18A-AFT

Part Number:	ATSAMD21G18A-AFT
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 32BIT 256KB FLASH 48TQFP
Datasheets:	<a href="#">1.ATSAMD21G18A-AFT.pdf</a> <a href="#">2.ATSAMD21G18A-AFT.pdf</a>
RoHs Status:	Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of ATSAMD21G18A-AFT

PART NUMBER	ATSAMD21G18A-AFT
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 32BIT 256KB FLASH 48TQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.ATSAMD21G18A-AFT.pdf</a> <a href="#">2.ATSAMD21G18A-AFT.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.62 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	48-TQFP (7x7)
SPEED	48MHz
SERIES	SAM D21G
RAM SIZE	32K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	256KB (256K x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT
PACKAGING	Cut Tape (CT)
PACKAGE / CASE	48-TQFP
OTHER NAMES	1611-ATSAMD21G18A-AFTCT
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	38
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	13 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M0+ SAM D21G Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 48-TQFP (7x7)
DATA CONVERTERS	A/D 14x12b, D/A 1x10b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M0+
CONNECTIVITY	I <sup>2</sup> C, LINbus, SPI, UART/USART, USB

### Related Tags

Micrel / Microchip Technology ATSAMD21G18A-AFT	ATSAMD21G18A-AFT Distributor	ATSAMD21G18A-AFT Supplier
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Micrel / Microchip Technology ATSAMD21G18A-AFT	Microchip Technology ATSAMD21G18A-AFT	Roving Networks / Microchip Technology ATSAMD21G18A-AFT

### Related Products

<p><b>ATSAMD21G17A-UUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 128KB FLASH 45WLSCP                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATSAMD21G17A-MUT</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 32BIT 128KB FLASH 48QFN                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATSAMD21G18A-AU</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 48TQFP                  In stock: 1 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAMD21G18A-AF</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 48TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATSAMD21G18A-MF</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 48QFN                  In stock: 111 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAMD21G18A-MFT</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 48QFN                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATSAMD21G17A-MUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 128KB FLASH 48QFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATSAMD21G18A-AUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 48TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATSAMD21G18A-MFT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 48QFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATSAMD21G18A-AFT</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 48TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATSAMD21G18A-AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 48TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATSAMD21G18A-AF</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 48TQFP                  In stock: 341 pcs  <a href="#">RFQ</a></p>

