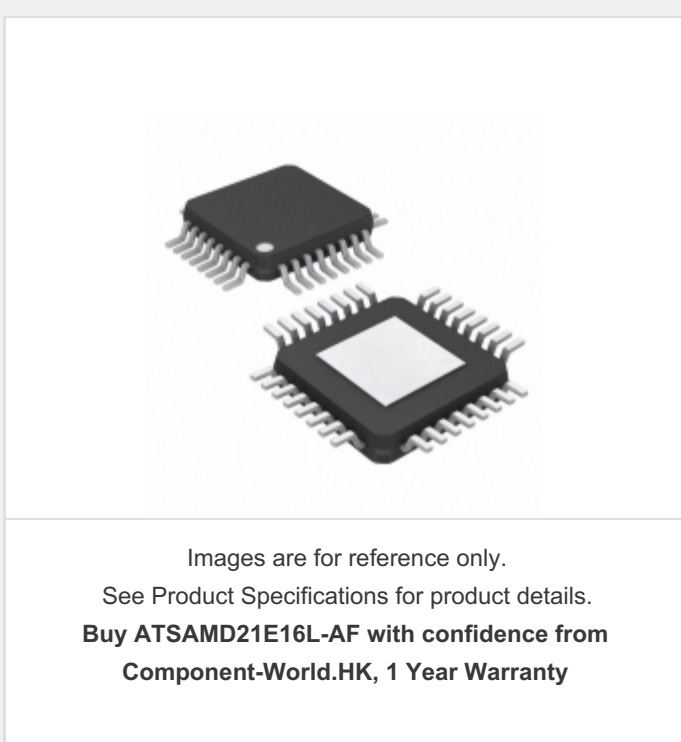


## ATSAMD21E16L-AF



**Part Number:** [ATSAMD21E16L-AF](#)  
**Manufacturer:** [Micrel / Microchip Technology](#)  
**Description:** IC MCU 32BIT 64KB FLASH 32TQFP  
**Data sheet:** [SAM D21EL, GL Complete](#)  
[SAM D21EL, GL Summary](#)

**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
 See Product Specifications for product details.  
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PRODUCT PARAMETER			
Part Number	ATSAMD21E16L-AF	Manufacturer	<a href="#">Micrel / Microchip Technology</a>
Description	IC MCU 32BIT 64KB FLASH 32TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	50169 pcs	Data sheet	<a href="#">SAM D21EL, GL Complete</a> <a href="#">SAM D21EL, GL Summary</a>
Category	<a href="#">Integrated Circuits (ICs)</a>	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	32-TQFP (7x7)	Speed	48MHz
Series	SAM D21E	RAM Size	8K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (64K x 8)
Peripherals	Brown-out Detect/Reset, DMA, PS, POR, PWM, WDT	Packaging	Tray
Package / Case	32-TQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	26
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	6 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M0+ SAM D21E Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH 32-TQFP (7x7)	Data Converters	A/D 10x12b, D/A 1x10b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M0+
Connectivity	I <sup>2</sup> C, LINbus, SPI, UART/USART	Base Part Number	ATSAMD21E16

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	Part#: <a href="#">ATSAMD21E17A-AU</a> Description: IC MCU 32BIT 128KB FLASH 32TQFP	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	Part#: <a href="#">ATSAMD21E16L-AFT</a> Description: IC MCU 32BIT 64KB FLASH 32TQFP	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	Part#: <a href="#">ATSAMD21E16B-MUT</a> Description: IC MCU 32BIT 64KB FLASH 32QFN	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
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	Part#: <a href="#">ATSAMD21E17A-AFT</a> Description: IC MCU 32BIT 128KB FLASH 32TQFP	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	Part#: <a href="#">ATSAMD21E17A-AUT</a> Description: IC MCU 32BIT 128KB FLASH 32TQFP	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	Part#: <a href="#">ATSAMD21E16B-MFT</a> Description: IC MCU 32BIT 64KB FLASH 32QFN	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	Part#: <a href="#">ATSAMD21E16B-MU</a> Description: IC MCU 32BIT 64KB FLASH 32QFN	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
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	Part#: <a href="#">ATSAMD21E16B-AFT</a> Description: IC MCU 32BIT 64KB FLASH 32TQFP	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	Part#: <a href="#">ATSAMD21E16B-UUT</a> Description: IC MCU 32BIT 64KB FLASH 35WLCSP	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	Part#: <a href="#">ATSAMD21E16C-UUT</a> Description: 35WLCSP,85C TEMP, GREEN, 48MHZ,	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	Part#: <a href="#">ATSAMD21E17A-AF</a> Description: IC MCU 32BIT 128KB FLASH 32TQFP	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	Part#: <a href="#">ATSAMD21E16B-AU</a> Description: IC MCU 32BIT 64KB FLASH 32TQFP	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	Part#: <a href="#">ATSAMD21E16B-AUT</a> Description: IC MCU 32BIT 64KB FLASH 32TQFP	Manufacturers: <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
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