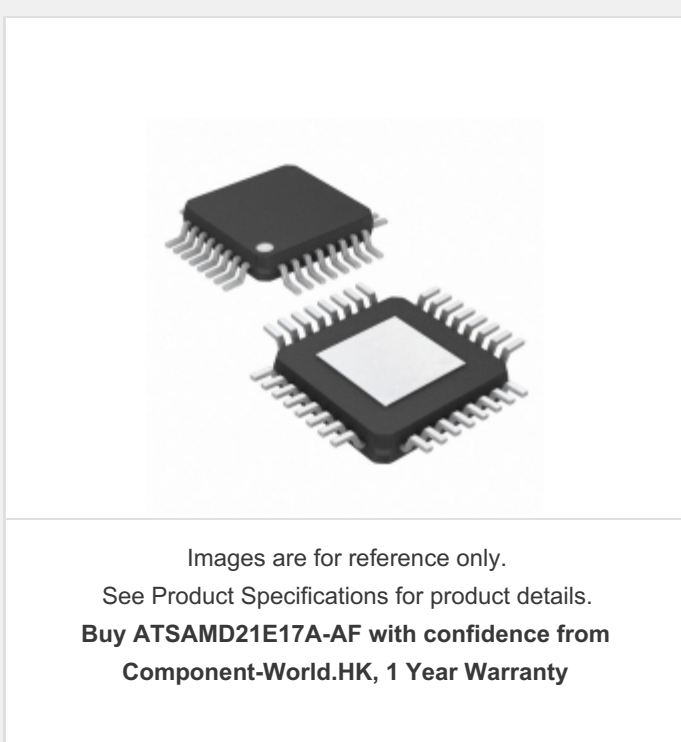


## ATSAMD21E17A-AF



**Part Number:** [ATSAMD21E17A-AF](#)  
**Manufacturer:** [Micrel / Microchip Technology](#)  
**Description:** IC MCU 32BIT 128KB FLASH 32TQFP  
**Data sheet:** [SAM D21E,G,J Summary](#)  
[SAM D21E,G,J Complete](#)

**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	
<b>Part Number</b>	ATSAMD21E17A-AF
<b>Description</b>	IC MCU 32BIT 128KB FLASH 32TQFP
<b>Quantity Available</b>	49847 pcs
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>
<b>Supplier Device Package</b>	32-TQFP (7x7)
<b>Series</b>	SAM D21E
<b>Program Memory Type</b>	FLASH
<b>Peripherals</b>	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT
<b>Package / Case</b>	32-TQFP
<b>Operating Temperature</b>	-40°C ~ 125°C (TA)
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Detailed Description</b>	ARM® Cortex®-M0+ SAM D21E Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH 32-TQFP (7x7)
<b>Core Size</b>	32-Bit
<b>Connectivity</b>	I <sup>2</sup> C, LINbus, SPI, UART/USART, USB
<b>Manufacturer</b>	<a href="#">Micrel / Microchip Technology</a>
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	<a href="#">SAM D21E,G,J Summary</a> <a href="#">SAM D21E,G,J Complete</a>
<b>Voltage - Supply (Vcc/Vdd)</b>	1.62 V ~ 3.6 V
<b>Speed</b>	48MHz
<b>RAM Size</b>	16K x 8
<b>Program Memory Size</b>	128KB (128K x 8)
<b>Packaging</b>	Tray
<b>Oscillator Type</b>	Internal
<b>Number of I/O</b>	26
<b>Manufacturer Standard Lead Time</b>	16 Weeks
<b>EEPROM Size</b>	-
<b>Data Converters</b>	A/D 10x12b, D/A 1x10b
<b>Core Processor</b>	ARM® Cortex®-M0+
<b>Base Part Number</b>	ATSAMD21E17

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### RELATED PRODUCTS

	<b>Part#:</b> <a href="#">ATSAMD21E16B-UUT</a> <b>Description:</b> IC MCU 32BIT 64KB FLASH 35WLCSP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E17A-MUT</a> <b>Description:</b> IC MCU 32BIT 128KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E16L-MNT</a> <b>Description:</b> IC MCU 32BIT 64KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E17A-AUT</a> <b>Description:</b> IC MCU 32BIT 128KB FLASH 32TQFP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E18A-AFT</a> <b>Description:</b> IC MCU 32BIT 256KB FLASH 32TQFP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E16B-MUT</a> <b>Description:</b> IC MCU 32BIT 64KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E16L-MF</a> <b>Description:</b> IC MCU 32BIT 64KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E17A-AU</a> <b>Description:</b> IC MCU 32BIT 128KB FLASH 32TQFP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E18A-AF</a> <b>Description:</b> IC MCU 32BIT 256KB FLASH 32TQFP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E16L-MFT</a> <b>Description:</b> IC MCU 32BIT 64KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E17A-MF</a> <b>Description:</b> IC MCU 32BIT 128KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E17A-MFT</a> <b>Description:</b> IC MCU 32BIT 128KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E16C-UUT</a> <b>Description:</b> 35WLCSP,85C TEMP, GREEN, 48MHZ,	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E16L-AFT</a> <b>Description:</b> IC MCU 32BIT 64KB FLASH 32TQFP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E18A-AU</a> <b>Description:</b> IC MCU 32BIT 256KB FLASH 32TQFP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E16B-MU</a> <b>Description:</b> IC MCU 32BIT 64KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E16L-AF</a> <b>Description:</b> IC MCU 32BIT 64KB FLASH 32TQFP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E16LMOTOR</a> <b>Description:</b> SAMD21E16L BLDC MOTOR CTRL BOARD	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E17A-AFT</a> <b>Description:</b> IC MCU 32BIT 128KB FLASH 32TQFP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD21E17A-MU</a> <b>Description:</b> IC MCU 32BIT 128KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>

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