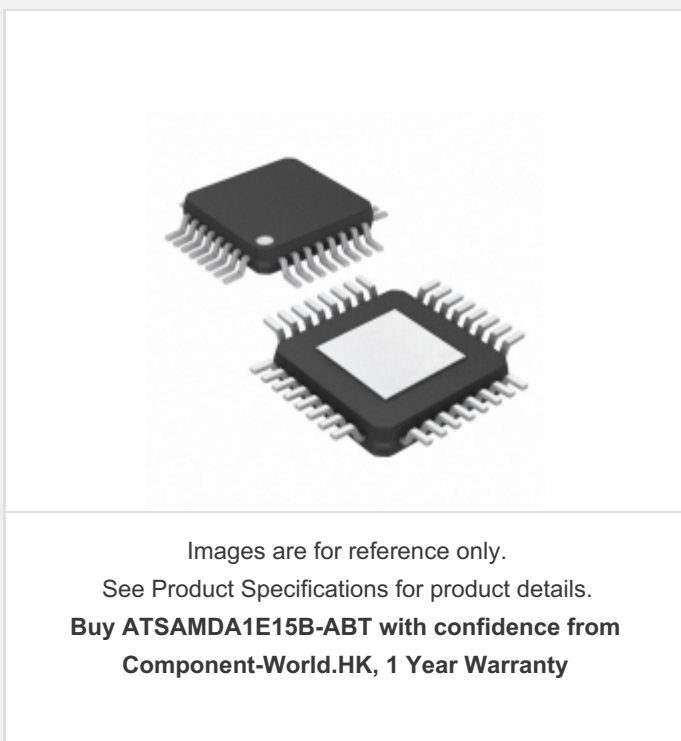


## ATSAMDA1E15B-ABT



**Part Number:** [ATSAMDA1E15B-ABT](#)  
**Manufacturer:** [Micrel / Microchip Technology](#)  
**Description:** 32 TQFP 7X7X1.0MM  
**Data sheet:** [SAM DA1](#)

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

[Request For Quotation](#)

PRODUCT PARAMETER	
<b>Part Number</b>	ATSAMDA1E15B-ABT
<b>Description</b>	32 TQFP 7X7X1.0MM
<b>Quantity Available</b>	41006 pcs
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>
<b>Supplier Device Package</b>	32-TQFP (7x7)
<b>Series</b>	SAM DA1
<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>Oscillator Type</b>	Internal
<b>Number of I/O</b>	26
<b>Manufacturer Standard Lead Time</b>	17 Weeks
<b>EEPROM Size</b>	-
<b>Data Converters</b>	A/D 10x12b, D/A 1x10b
<b>Core Processor</b>	ARM® Cortex®-M0+
<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 DA1</a>
<b>Voltage - Supply (Vcc/Vdd)</b>	2.7 V ~ 3.63 V
<b>Speed</b>	48MHz
<b>RAM Size</b>	4K x 8
<b>Program Memory Size</b>	32KB (32K x 8)
<b>Packaging</b>	Tape & Reel (TR)
<b>Other Names</b>	ATSAMDA1E15B-ABTTR
<b>Operating Temperature</b>	-40°C ~ 105°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 DA1 Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 32-TQFP (7x7)
<b>Core Size</b>	32-Bit
<b>Connectivity</b>	PC, SCI, SPI, UART/USART, USB

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### RELATED PRODUCTS

	<b>Part#:</b> <a href="#">ATSAMD51P20A-AUT</a> <b>Description:</b> 120MHZ 1024KB FLASH 128 TQFP PKG	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1-XPRO</a> <b>Description:</b> EVAL BOARD FOR SAM DA1	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1E16B-MBT</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="#">ATSAMD51P20A-AU</a> <b>Description:</b> 120MHZ 1024KB FLASH 128 TQFP PKG	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1G16B-ABT</a> <b>Description:</b> 48 TQFP 7X7X1.0MM	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD51P19A-AU</a> <b>Description:</b> 120MHZ 512KB FLASH 128 TQFP PKG	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1G15B-MBT</a> <b>Description:</b> 48 QFN 5X5X0.9MM	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1E16B-ABT</a> <b>Description:</b> 32 TQFP 7X7X1.0MM	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD51P19A-CTUT</a> <b>Description:</b> 120MHZ 512KB FLASH 120 TFBGA PKG	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1E15B-MBT</a> <b>Description:</b> IC MCU 32BIT 32KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1G14B-ABT</a> <b>Description:</b> 48 TQFP 7X7X1.0MM	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1G16B-MBT</a> <b>Description:</b> 48 QFN 5X5X0.9MM	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1G14B-MBT</a> <b>Description:</b> 48 QFN 5X5X0.9MM	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1E14B-MBT</a> <b>Description:</b> IC MCU 32BIT 16KB FLASH 32QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD51P20A-CTUT</a> <b>Description:</b> 120MHZ 1024KB FLASH 120 TFBGA PK	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1J14B-ABT</a> <b>Description:</b> 64 TQFP 7X7X1.0MM	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1G15B-ABT</a> <b>Description:</b> 48 TQFP 7X7X1.0MM	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMDA1E14B-ABT</a> <b>Description:</b> 32 TQFP 7X7X1.0MM	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD51P19A-AUT</a> <b>Description:</b> 120MHZ 512KB FLASH 128 TQFP PKG	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">ATSAMD51N20A-AUT</a> <b>Description:</b> 120MHZ 1024KB FLASH 100 TQFP PKG	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>

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