

ATSAMDA1E16B-MBT



Part Number: [ATSAMDA1E16B-MBT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 64KB FLASH 32QFN

Data sheet:  [SAM DA1](#)

RoHs Status: Lead free / RoHS Compliant

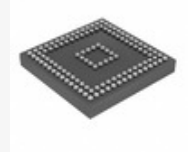
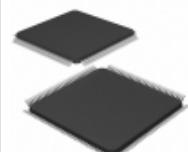
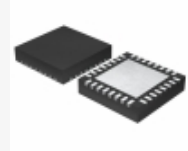
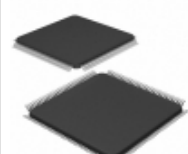
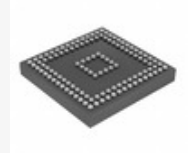
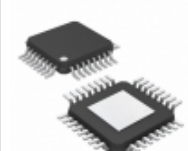
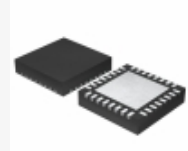
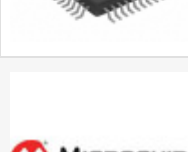
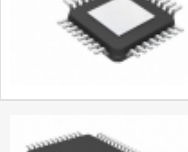
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PRODUCT PARAMETER			
Part Number	ATSAMDA1E16B-MBT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 64KB FLASH 32QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	52665 pcs	Data sheet	SAM DA1
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.63 V
Supplier Device Package	32-QFN (5x5)	Speed	48MHz
Series	SAM DA1	RAM Size	8K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (64K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Cut Tape (CT)
Package / Case	32-VFQFN Exposed Pad	Other Names	ATSAMDA1E16B-MBTCT
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°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 DA1 Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH 32-QFN (5x5)
Data Converters	A/D 10x12b, D/A 1x10b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M0+	Connectivity	I ² C, SCI, SPI, UART/USART, USB
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RELATED PRODUCTS			
	Part#: ATSAMDA1E16B-ABT Description: 32 TQFP 7X7X1.0MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD51P20A-CTUT Description: 120MHZ 1024KB FLASH 120 TFBGA PK	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD51P20A-AUT Description: 120MHZ 1024KB FLASH 128 TQFP PKG	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1E14B-MBT Description: IC MCU 32BIT 16KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD51P20A-AU Description: 120MHZ 1024KB FLASH 128 TQFP PKG	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD51P19A-CTUT Description: 120MHZ 512KB FLASH 120 TFBGA PKG	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1E15B-ABT Description: 32 TQFP 7X7X1.0MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1G15B-MBT Description: 48 QFN 5X5X0.9MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1J16B-ABT Description: 64 TQFP 7X7X1.0MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1E15B-MBT Description: IC MCU 32BIT 32KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1G14B-ABT Description: 48 TQFP 7X7X1.0MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1G16B-MBT Description: 48 QFN 5X5X0.9MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1G16B-ABT Description: 48 TQFP 7X7X1.0MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1G14B-MBT Description: 48 QFN 5X5X0.9MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1E14B-ABT Description: 32 TQFP 7X7X1.0MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1G15B-ABT Description: 48 TQFP 7X7X1.0MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1-XPRO Description: EVAL BOARD FOR SAM DA1	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1J14B-ABT Description: 64 TQFP 7X7X1.0MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME51J18A-AU Description: IC MCU 32BIT 256KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1J15B-ABT Description: 64 TQFP 7X7X1.0MM	Manufacturers: Micrel / Microchip Technology	RFQ

Related keywords for ATSAMDA1E16B-MBT				
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