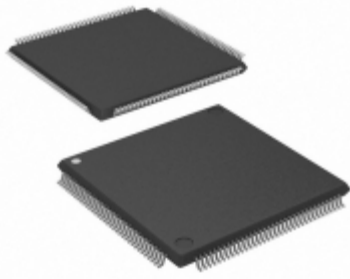


ATSAM4E16EB-AN





Part Number:

ATSAM4E16EB-AN

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 32BIT 1MB FLASH 144LQFP

Data sheet:

 [SAM4E Series Datasheet](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

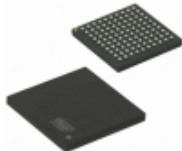
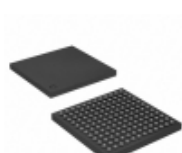
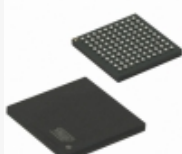
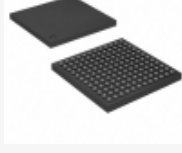
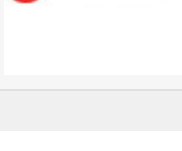
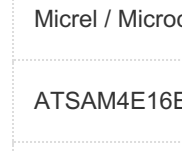
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
See Product Specifications for product details.
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Request For Quotation

PRODUCT PARAMETER			
Part Number	ATSAM4E16EB-AN	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 1MB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	13591 pcs	Data sheet	SAM4E Series Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	Speed	120MHz
Series	SAM4E	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	1MB (1M x 8)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Packaging	Bulk
Package / Case	144-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	117
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	5 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M4 SAM4E Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 144-LQFP (20x20)	Data Converters	A/D 16x12b, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4
Connectivity	CANbus, EBI/EMI, Ethernet, IrDA, SD, SPI, UART/USART, USB		
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	Part#: ATSAM4E8CA-ANR Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E16EA-AUR Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E16EB-ANR Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E16EA-ANR Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8CA-CUR Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8CA-AU Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E16EB-CNR Description: SRAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8CA-CU Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E16EA-AU Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8CA-AN Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E16EA-CUR Description: IC MCU 32BIT 1MB FLASH 144LFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E16CB-CNR Description: IC MCU 32BIT 1MB FLASH 100TFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E16CB-AN Description: IC MCU 32BIT 1MB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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