

Specifications	
Part Number	ATSAM4LS8BA-AU
Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 512KB FLASH 64TQFP
Category	Integrated Circuits (ICs) > Embedded - Microcontrollers
Part Status	2695 pcs Stock
Voltage - Supply (Vcc/Vdd)	1.68 V ~ 3.6 V
Supplier Device Package	64-TQFP (10x10)
Speed	48MHz
Series	SAM4L
RAM Size	64K x 8
Program Memory Type	FLASH
Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
Packaging	Tray
Package / Case	64-TQFP
Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	48
EEPROM Size	-
Data Converters	A/D 7x12b, D/A 1x10b
Core Size	32-Bit
Core Processor	ARM® Cortex®-M4
Connectivity	I²C, IrDA, LIN, SPI, UART/USART, USB

In:

ATSAM4LS8BA-AUR
Microchip Technology
1C MCU 32BIT 512KB FLASH
64TQFP

ATSAM4LS4CA-CFUR
Microchip Technology
1C MCU 32BIT 256KB FLASH
100BGA

The image displays the Microchip Technology logo, which consists of a red stylized 'M' icon followed by the word 'MICROCHIP' in a bold, black, sans-serif font. Below the logo, the product identifier 'ATSAM4LS8AA-MUR' is printed in a bold, black, sans-serif font. Underneath this, the product description 'Microchip Technology' is written in a smaller, regular, black, sans-serif font, followed by 'IC MCU 32BIT 512KB FLASH' and '48QFN' in the same regular font. A thick horizontal bar, colored orange on the left and grey on the right, spans the width of the page below the product information. The bottom half of the image is a white rectangular area containing a smaller version of the Microchip Technology logo and the same product information: 'ATSAM4LS8AA-MU', 'Microchip Technology', 'IC MCU 32BIT 512KB FLASH', and '48QFN'.

The image displays the Microchip Technology logo at the top, which consists of a stylized red and black 'M' icon followed by the word 'MICROCHIP' in a bold, black, sans-serif font. Below the logo, the product identifier 'ATSAM4LS8BA-MUR' is printed in a large, bold, black font. Underneath this, the text 'Microchip Technology' appears in a smaller, regular black font, followed by 'IC MCU 32BIT 512KB FLASH' and '64QFN' in the same regular black font. A thick horizontal line, colored orange on the left and black on the right, separates this section from the one below. The lower section features the 'M•C•C' logo, which has the letters 'M', 'C', and 'C' in black with red dots between them, all enclosed within a red rectangular border. Below this logo, the text 'Micro Commercial Components' is written in a small, black, sans-serif font. At the bottom of the image, the product identifier 'ATSAM4LS8BA-MUR' is repeated in a large, bold, black font, followed by 'Microchip Technology', 'IC MCU 32BIT 512KB FLASH', and '64QFN' in a smaller, regular black font. Another thick horizontal line, colored orange on the left and black on the right, is at the very bottom of the image.

ATSAM4LS4CA-CFUR
Microchip Technology
IC MCU 32BIT 256KB FLASH
100BGA

•M•C•C•
Micro Commercial Components

ATSAM4LS8AA-MUR
Microchip Technology
IC MCU 32BIT 512KB FLASH
48QFN

The image displays the Microchip Technology logo at the top, followed by the product name ATSAM4LS4CA-CFUR and its specifications: IC MCU 32BIT 256KB FLASH, 100BGA. A horizontal line separates this from the Micro Commercial Components logo, which features the stylized text •M•C•C•. Below this, the product name ATSAM4LS8AA-MUR is listed with its specifications: IC MCU 32BIT 512KB FLASH, 48QFN.

More

Contact us: **Info@YIC-Electronics.com**
ADD: Unit A5-B5 No.509, 5/F Sing Win Factory Building, 15-17 Shing yip St, Kwun Tong, Kowloon, HongKong.
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