



Image may be representation.
See specifications for product details.



ATSAM4S4BA-AU

Manufacturer Part Number	ATSAM4S4BA-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM4S4BA-AU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 256KB FLASH 64LQFP
Package	64-LQFP
Data sheet	SAM4S Series Datasheet.pdf SAM4S Flyer.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAM4S4BA-AU - Microchip Technology.New Original in Stock. Download Linear Technology ATSAM4S4BA-AU datasheet/specifications on AllelcoElec.com.
Request a quote for ATSAM4S4BA-AU, please send us email: info@allelco.com

Specifications

ATSAM4S4BA-AU Tech Specifications

ATSAM4S4BA-AU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	47
Speed	120MHz	Mounting Type	Surface Mount
Series	SAM4S	EEPROM Size	-
RAM Size	64K x 8	Data Converters	A/D 11x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	ATSAM4S
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM4S4BA-AU

Product Attribute				
Part Number	ATSAM4S4BA-AU	ATSAM4S2CB-AN	ATSAM4S2AB-MN	ATSAM4S4CB-CNR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Supplier Device Package	64-LQFP (10x10)	100-LQFP (14x14)	48-QFN (7x7)	100-TFBGA (9x9)
Oscillator Type	Internal	Internal	Internal	Internal
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Package / Case	64-LQFP	100-LQFP	48-VFQFN Exposed Pad	100-TFBGA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Base Product Number	ATSAM4S	ATSAM4S	ATSAM4S	ATSAM4S
RAM Size	64K x 8	64K x 8	64K x 8	64K x 8
EEPROM Size	-	-	-	-
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Package	Tray	Tray	Tray	Tape & Reel (TR)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 11x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 8x12b	A/D 16x12b; D/A 2x12b
Speed	120MHz	120MHz	120MHz	120MHz
Connectivity	I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	EBI/EMI, I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	EBI/EMI, I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Number of I/O	47	79	34	79
Series	SAM4S	SAM4S	SAM4S	SAM4S
Program Memory Size	256KB (256K x 8)	128KB (128K x 8)	128KB (128K x 8)	256KB (256K x 8)
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4

ATSAM4S4BA-AU Datasheet PDF

Download ATSAM4S4BA-AU pdf datasheets and Microchip Technology documentation for ATSAM4S4BA-AU - Microchip Technology.

Datasheets

[SAM4S Series Datasheet.pdf](#)

[SAM4S Flyer.pdf](#)

PCN Packaging

Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf

Boxes 07/Dec/2016.pdf

PCN Design/Specification



















Cylindrical Battery Holders.pdf

PCN Assembly/Origin

2.73KHz.pdf

Customers Also Interested in

Recommended Products

 ATSAM4S2CB-AN Microchip Technology IC MCU 32BIT 128KB FLASH 100LQFP	 ATSAM4S2AB-MN Microchip Technology IC MCU 32BIT 128KB FLASH 48VQFN	 ATSAM4S4CB-CNR Microchip Technology IC MCU 32BIT 256KB FLSH 100TFBGA	 ATSAM4S2CA-AU Microchip Technology IC MCU 32BIT 128KB FLASH 100LQFP	 ATSAM4S4CB-CN Microchip Technology IC MCU 32BIT 256KB FLSH 100TFBGA	 ATSAM4S2AA-AU Microchip Technology IC MCU 32BIT 128KB FLASH 48LQFP
 ATSAM4S4CB-AN Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP	 ATSAM4S4BA-UUR Microchip Technology IC MCU 32BIT 256KB FLASH 64WL CSP	 ATSAM4S4BA-MU Microchip Technology IC MCU 32BIT 256KB FLASH 64QFN	 ATSAM4S2BA-AU Microchip Technology IC MCU 32BIT 128KB FLASH 64LQFP	 ATSAM4S4BB-AN Microchip Technology IC MCU 32BIT 256KB FLASH 64LQFP	 ATSAM4S4AB-ANR Microchip Technology IC MCU 32BIT 256KB FLASH 48LQFP
 ATSAM4S4BB-ANR Microchip Technology IC MCU 32BIT 256KB FLASH 64LQFP	 ATSAM4S2BA-MU Microchip Technology IC MCU 32BIT 128KB FLASH 64QFN	 ATSAM4S8BA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 64LQFP	 ATSAM4S8BA-AUR Microchip Technology IC MCU 32BIT 512KB FLASH 64LQFP	 ATSAM4S4CA-AU Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP	 ATSAM4S4AB-AN Microchip Technology IC MCU 32BIT 256KB FLASH 48LQFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
+00852 9146 4856
-  Email
info@allelco.com

Certifications & Memberships



View More

