

Image may be representation.  
See specifications for product details.



## ATSAM4SA16BA-MUR

Manufacturer Part Number	<b>ATSAM4SA16BA-MUR</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATSAM4SA16BA-MUR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 1MB FLASH 64QFN
Package	64-VFQFN Exposed Pad
Data sheet	ATSAM4SA16BA-MUR.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATSAM4SA16BA-MUR - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM4SA16BA-MUR datasheet/specifications on AllelcoElec.com. Request a quote for ATSAM4SA16BA-MUR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATSAM4SA16BA-MUR Tech Specifications  
ATSAM4SA16BA-MUR - 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-QFN (9x9)	Number of I/O	47
Speed	120MHz	Mounting Type	Surface Mount
Series	SAM4S	EEPROM Size	-
RAM Size	160K x 8	Data Converters	A/D 11x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1MB (1M x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Package / Case	64-VFQFN Exposed Pad	Base Product Number	ATSAM4SA
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM4SA16BA-MUR

Product Attribute				
Part Number	ATSAM4SA16BA-MUR	ATSAM4SA16BB-AN	ATSAM4SD32BA-MU	ATSAM4SA16CA-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	64-VFQFN Exposed Pad	64-LQFP	64-VFQFN Exposed Pad	100-LQFP
Speed	120MHz	120MHz	120MHz	120MHz
RAM Size	160K x 8	160K x 8	160K x 8	160K x 8
EEPROM Size	-	-	-	-
Package	Tape & Reel (TR)	Tray	Tray	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	47	47	47	79
Connectivity	I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	EBI/EMI, I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Data Converters	A/D 11x12b; D/A 2x12b	A/D 11x12b; D/A 2x12b	A/D 11x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	2MB (2M x 8)	1MB (1M x 8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	SAM4S	SAM4S	SAM4S	SAM4S
Base Product Number	ATSAM4SA	ATSAM4SA	ATSAM4SD	ATSAM4SA
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
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	64-QFN (9x9)	64-LQFP (10x10)	64-QFN (9x9)	100-LQFP (14x14)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V

### ATSAM4SA16BA-MUR Datasheet PDF

Download ATSAM4SA16BA-MUR pdf datasheets and Microchip Technology documentation for ATSAM4SA16BA-MUR - Microchip Technology.

#### PCN Packaging

Boxes 07/Dec/2016.pdf


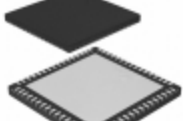


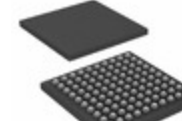
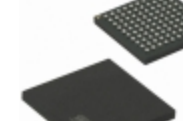


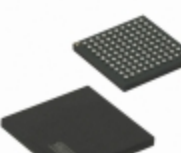







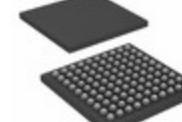

Tape and Reel Label Update 10/Feb/2015.pdf

#### PCN Design/Specification

PCN Other

Customers Also Interested in

Recommended Products

					
<b>ATSAM4SA16BB-AN</b> Microchip Technology IC MCU 32BIT 1MB FLASH 64LQFP	<b>ATSAM4SD32BA-MU</b> Microchip Technology IC MCU 32BIT 2MB FLASH 64QFN	<b>ATSAM4SA16CA-AU</b> Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	<b>ATSAM4S8CA-AN</b> Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	<b>ATSAM4S8CA-CFU</b> Microchip Technology IC MCU 32BIT 512KB FLSH 100VFBGA	<b>ATSAM4SA16CA-CU</b> Microchip Technology IC MCU 32BIT 1MB FLASH 100TFBGA
					
<b>ATSAM4SA16CA-CU</b> Atmel IC MCU 32BIT 1MB FLASH 100TFBGA	<b>ATSAM4S8CB-ANR</b> Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	<b>ATSAM4SD16CA-CU</b> Microchip Technology IC MCU 32BIT 1MB FLASH 100TFBGA	<b>ATSAM4S8CA-CFU</b> Atmel IC MCU 32BIT 512KB FLSH 100VFBGA	<b>ATSAM4SD16BA-AUR</b> Microchip Technology IC MCU 32BIT 1MB FLASH 64LQFP	<b>ATSAM4SD32CA-AU</b> Microchip Technology IC MCU 32BIT 2MB FLASH 100LQFP
					
<b>ATSAM4S8CA-AUR</b> Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	<b>ATSAM4SD16CA-AUR</b> Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	<b>ATSAM4SA16BA-AUR</b> Microchip Technology IC MCU 32BIT 1MB FLASH 64LQFP	<b>ATSAM4S8CA-AU</b> Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	<b>ATSAM4S8CA-CFUR</b> Microchip Technology IC MCU 32BIT 512KB FLSH 100VFBGA	<b>ATSAM4SA16BA-AU</b> Microchip Technology IC MCU 32BIT 1MB FLASH 64LQFP

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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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