



Image may be representation.
See specifications for product details.



ATSAM4SA16BA-AU

Manufacturer Part Number	ATSAM4SA16BA-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM4SA16BA-AU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 64LQFP
Package	64-LQFP
Data sheet	SAM4S Series Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

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

Specifications

ATSAM4SA16BA-AU Tech Specifications
ATSAM4SA16BA-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	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-LQFP	Base Product Number	ATSAM4SA
Package	Tray		

Parts with Similar Specifications

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

Product Attribute				
Part Number	ATSAM4SA16BA-AU	ATSAM4SA16BA-AUR	ATSAM4S8CA-AN	ATSAM4SD16CA-CU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Package / Case	64-LQFP	64-LQFP	100-LQFP	100-TFBGA
Supplier Device Package	64-LQFP (10x10)	64-LQFP (10x10)	100-LQFP (14x14)	100-TFBGA (9x9)
Data Converters	A/D 11x12b; D/A 2x12b	A/D 11x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Base Product Number	ATSAM4SA	ATSAM4SA	ATSAM4S	ATSAM4SD
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
Speed	120MHz	120MHz	120MHz	120MHz
Package	Tray	Tape & Reel (TR)	Tray	Tray
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	512KB (512K x 8)	1MB (1M x 8)
RAM Size	160K x 8	160K x 8	128K x 8	160K x 8
EEPROM Size	-	-	-	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	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	EBI/EMI, I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Number of I/O	47	47	79	79
Series	SAM4S	SAM4S	SAM4S	SAM4S

ATSAM4SA16BA-AU Datasheet PDF

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

Datasheets



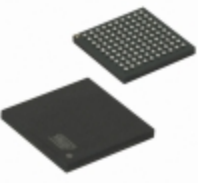

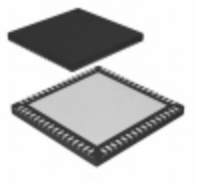
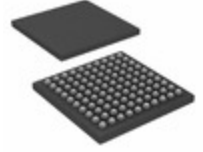

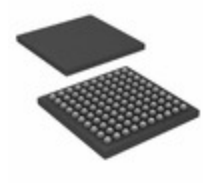


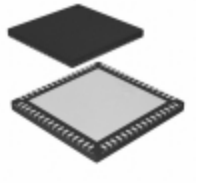

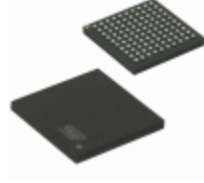





SAM4S Series Datasheet.pdf

PCN Packaging

PCN Design/Specification

Customers Also Interested in

Recommended Products

 ATSAM4SA16BA-AUR Microchip Technology IC MCU 32BIT 1MB FLASH 64LQFP	 ATSAM4S8CA-AN Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	 ATSAM4SD16CA-CU Microchip Technology IC MCU 32BIT 1MB FLASH 100TFBGA	 ATSAM4S8CA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	 ATSAM4SD32BA-MU Microchip Technology IC MCU 32BIT 2MB FLASH 64QFN	 ATSAM4S8CA-CFU Microchip Technology IC MCU 32BIT 512KB FLSH 100VFBGA
 ATSAM4SD16CA-AUR Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	 ATSAM4S8CA-CFUR Microchip Technology IC MCU 32BIT 512KB FLSH 100VFBGA	 ATSAM4SA16CA-CU Atmel IC MCU 32BIT 1MB FLASH 100TFBGA	 ATSAM4S8CA-AUR Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	 ATSAM4SA16BA-MUR Microchip Technology IC MCU 32BIT 1MB FLASH 64QFN	 ATSAM4S8CB-ANR Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP
 ATSAM4SA16CA-CU Microchip Technology IC MCU 32BIT 1MB FLASH 100TFBGA	 ATSAM4S8CA-CFU Atmel IC MCU 32BIT 512KB FLSH 100VFBGA	 ATSAM4SA16BB-AN Microchip Technology IC MCU 32BIT 1MB FLASH 64LQFP	 ATSAM4S8BB-AN Microchip Technology IC MCU 32BIT 512KB FLASH 64LQFP	 ATSAM4SD16BA-AUR Microchip Technology IC MCU 32BIT 1MB FLASH 64LQFP	 ATSAM4SA16CA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP

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.

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Certifications & Memberships



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