



Image may be representation.
See specifications for product details.



ATSAM3S2BA-AU

Manufacturer Part Number	ATSAM3S2BA-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM3S2BA-AU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 64LQFP
Package	64-LQFP
Data sheet	SAM3S Series Summary.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAM3S2BA-AU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM3S2BA-AU datasheet/specifications on AllelcoElec.com. Request a quote for ATSAM3S2BA-AU, please send us email: info@allelco.com

Specifications

ATSAM3S2BA-AU Tech Specifications

ATSAM3S2BA-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	64MHz	Mounting Type	Surface Mount
Series	SAM3S	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 10x10/12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	I²C, MMC, SPI, SSC, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	ATSAM3S
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM3S2BA-AU

Product Attribute				
Part Number	ATSAM3S2BA-AU	ATSAM3S2CA-AU	ATSAM3S2BA-MU	ATSAM3S2AA-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Speed	64MHz	64MHz	64MHz	64MHz
RAM Size	32K x 8	32K x 8	32K x 8	32K x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I²C, MMC, SPI, SSC, UART/USART, USB	EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB	I²C, MMC, SPI, SSC, UART/USART, USB	I²C, MMC, SPI, SSC, UART/USART, USB
Data Converters	A/D 10x10/12b; D/A 2x12b	A/D 15x10/12b; D/A 2x12b	A/D 10x10/12b; D/A 2x12b	A/D 8x10/12b
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Base Product Number	ATSAM3S	ATSAM3S	ATSAM3S	ATSAM3S
Series	SAM3S	SAM3S	SAM3S	SAM3S
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
Package	Tray	Tray	Tray	Tray
EEPROM Size	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package / Case	64-LQFP	100-LQFP	64-VFQFN Exposed Pad	48-LQFP
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)
Number of I/O	47	79	47	34
Supplier Device Package	64-LQFP (10x10)	100-LQFP (14x14)	64-QFN (9x9)	48-LQFP (7x7)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)

ATSAM3S2BA-AU Datasheet PDF

Download ATSAM3S2BA-AU pdf datasheets and Microchip Technology documentation for ATSAM3S2BA-AU - Microchip Technology.

Datasheets

[SAM3S Series Summary.pdf](#)

PCN Packaging

MBB/Label Chgs 16/Nov/2018.pdf

Boxes 07/Dec/2016.pdf

PCN Design/Specification



















Marking Chgs 11/Jul/2017.pdf

PCN Assembly/Origin

Wafer Foundry Transfer 27/Nov/2013.pdf

Customers Also Interested in

Recommended Products

					
ATSAM3S4B-AU	ATSAM3S2CA-AU	ATSAM3S2BA-MU	ATSAM3S2AA-AU	ATSAM3S4BA-AU	ATSAM3S1CB-CU
Atmel (Microchip Technology)	Microchip Technology IC MCU 32BIT 128KB FLASH 100LQFP	Microchip Technology IC MCU 32BIT 128KB FLASH 64QFN	Microchip Technology IC MCU 32BIT 128KB FLASH 48LQFP	Microchip Technology IC MCU 32BIT 256KB FLASH 64LQFP	Microchip Technology IC MCU 32BIT 64KB FLASH 100TFBGA
					
ATSAM3S1C-CU	ATSAM3S4AA-AU	ATSAM3S2BA-MU	ATSAM3S1CB-AU	ATSAM3S4AA-MU	ATSAM3S4AA-AU
Atmel (Microchip Technology)	Microchip Technology IC MCU 32BIT 256KB FLASH 48LQFP	Atmel IC MCU 32BIT 128KB FLASH 64QFN	Microchip Technology IC MCU 32BIT 64KB FLASH 100LQFP	Microchip Technology IC MCU 32BIT 256KB FLASH 48QFN	Atmel IC MCU 32BIT 256KB FLASH 48LQFP
					
ATSAM3S2CA-AUR	ATSAM3S1BA-AU	ATSAM3S2A-AU	ATSAM3S2AA-MU	ATSAM3S1CB-AU	ATSAM3S1BB-AUR
Microchip Technology IC MCU 32BIT 128KB FLASH 100LQFP	Atmel IC MCU 32BIT 64KB FLASH 64LQFP	Atmel (Microchip Technology)	Microchip Technology IC MCU 32BIT 128KB FLASH 48QFN	Atmel IC MCU 32BIT 64KB FLASH 100LQFP	Microchip Technology IC MCU 32BIT 64KB 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

Contact us if you have any questions.

	
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Certifications & Memberships



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