



ATSAM3U1CA-AU

Manufacturer Part Number	ATSAM3U1CA-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM3U1CA-AU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 100LQFP
Package	100-LQFP
Data sheet	SAM3U Series.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAM3U1CA-AU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM3U1CA-AU datasheet/specifications on AllelcoElec.com.
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Specifications

ATSAM3U1CA-AU Tech Specifications
ATSAM3U1CA-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	100-LQFP (14x14)	Number of I/O	57
Speed	96MHz	Mounting Type	Surface Mount
Series	SAM3U	EEPROM Size	-
RAM Size	20K x 8	Data Converters	A/D 4x10b, 4x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB
Package / Case	100-LQFP	Base Product Number	ATSAM3U
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM3U1CA-AU

Product Attribute				
Part Number	ATSAM3U1CA-AU	ATSAM3S8BA-MU	ATSAM3S4BA-MU	ATSAM3U4CA-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Data Converters	A/D 4x10b, 4x12b	A/D 10x10/12b; D/A 2x12b	A/D 10x10/12b; D/A 2x12b	A/D 4x10b, 4x12b
Series	SAM3U	SAM3S	SAM3S	SAM3U
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	100-LQFP	64-VFQFN Exposed Pad	64-VFQFN Exposed Pad	100-LQFP
Program Memory Size	64KB (64K x 8)	512KB (512K x 8)	256KB (256K x 8)	256KB (256K x 8)
Package	Tray	Tray	Tray	Tray
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Supplier Device Package	100-LQFP (14x14)	64-QFN (9x9)	64-QFN (9x9)	100-LQFP (14x14)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	96MHz	64MHz	64MHz	96MHz
Connectivity	EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB	I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	I²C, MMC, SPI, SSC, UART/USART, USB	EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB
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
Base Product Number	ATSAM3U	ATSAM3S	ATSAM3S	ATSAM3U
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
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Number of I/O	57	47	47	57
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	20K x 8	64K x 8	48K x 8	52K x 8

ATSAM3U1CA-AU Datasheet PDF

Download ATSAM3U1CA-AU pdf datasheets and Microchip Technology documentation for ATSAM3U1CA-AU - Microchip Technology.

Datasheets

SAM3U Series.pdf

PCN Packaging

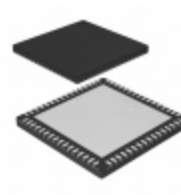
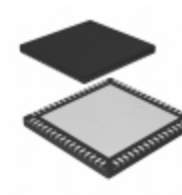



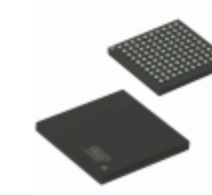


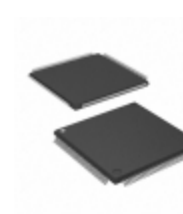

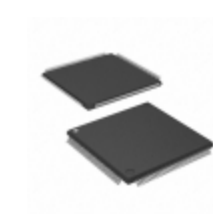
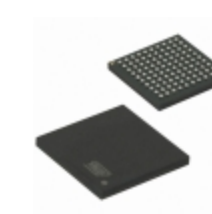



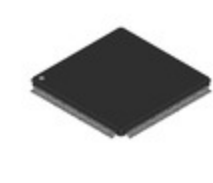
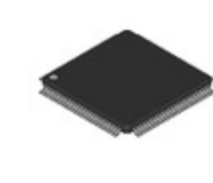
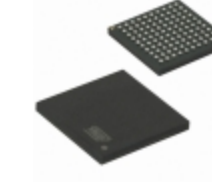
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Recommended Products

					
ATSAM3S8BA-MU Microchip Technology IC MCU 32BIT 512KB FLASH 64QFN	ATSAM3S4BA-MU Microchip Technology IC MCU 32BIT 256KB FLASH 64QFN	ATSAM3U4CA-AU Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP	ATSAM3S8CA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM3S4CA-AUR Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP	ATSAM3S8CA-CUR Microchip Technology IC MCU 32BIT 512KB FLSH 100TFBGA
					
ATSAM3U1C-AU Atmel (Microchip Technology)	ATSAM3U1CB-AU Microchip Technology IC MCU 32BIT 64KB FLASH 100LQFP	ATSAM3U1EB-AU Microchip Technology IC MCU 32BIT 64KB FLASH 144LQFP	ATSAM3U2C-AU Atmel (Microchip Technology)	ATSAM3U2EA-AU Microchip Technology IC MCU 32BIT 128KB FLASH 144LQFP	ATSAM3S8CA-CU Microchip Technology IC MCU 32BIT 512KB FLSH 100TFBGA
					
ATSAM3S8BA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 64LQFP	ATSAM3U2CA-AU Microchip Technology IC MCU 32BIT 128KB FLASH 100LQFP	ATSAM3S4CA-AU Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP	ATSAM3U2EA-AU Atmel IC MCU 32BIT 128KB FLASH 144LQFP	ATSAM3U1CA-AU Atmel IC MCU 32BIT 64KB FLASH 100LQFP	ATSAM3U1CB-CU Microchip Technology IC MCU 32BIT 64KB FLASH 100TFBGA

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.



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-  Email
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