

Image may be representation.
See specifications for product details.



ATSAM3U1EB-AU

Manufacturer Part Number	ATSAM3U1EB-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM3U1EB-AU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 64KB FLASH 144LQFP
Package	144-LQFP
Data sheet	SAM3U Series.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAM3U1EB-AU - Microchip Technology.New Original in Stock. Download Linear Technology ATSAM3U1EB-AU datasheet/specifications on AllelcoElec.com.
Request a quote for ATSAM3U1EB-AU, please send us email: info@allelco.com

Specifications

ATSAM3U1EB-AU Tech Specifications

ATSAM3U1EB-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	144-LQFP (20x20)	Number of I/O	96
Speed	96MHz	Mounting Type	Surface Mount
Series	SAM3U	EEPROM Size	-
RAM Size	20K x 8	Data Converters	A/D 8x10b, 8x12b
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	144-LQFP	Base Product Number	ATSAM3U
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM3U1EB-AU

Product Attribute				
Part Number	ATSAM3U1EB-AU	ATSAM3U1CA-AU	ATSAM3U2CA-AU	ATSAM3U2EA-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Speed	96MHz	96MHz	96MHz	96MHz
EEPROM Size	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	144-LQFP	100-LQFP	100-LQFP	144-LQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Base Product Number	ATSAM3U	ATSAM3U	ATSAM3U	ATSAM3U
Connectivity	EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB	EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB	EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB	EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	144-LQFP (20x20)	100-LQFP (14x14)	100-LQFP (14x14)	144-LQFP (20x20)
Number of I/O	96	57	57	96
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
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	128KB (128K x 8)	128KB (128K x 8)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 8x10b, 8x12b	A/D 4x10b, 4x12b	A/D 4x10b, 4x12b	A/D 8x10b, 8x12b
RAM Size	20K x 8	20K x 8	36K x 8	36K x 8
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Series	SAM3U	SAM3U	SAM3U	SAM3U
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Package	Tray	Tray	Tray	Tray

ATSAM3U1EB-AU Datasheet PDF

Download ATSAM3U1EB-AU pdf datasheets and Microchip Technology documentation for ATSAM3U1EB-AU - Microchip Technology.

Datasheets

SAM3U Series.pdf








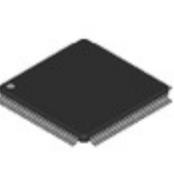

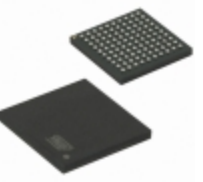


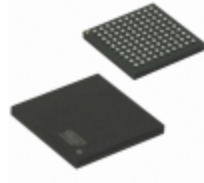
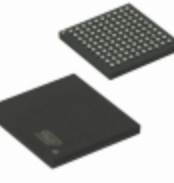

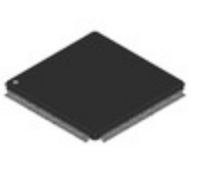
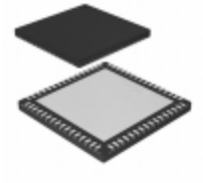
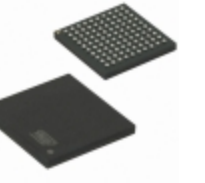
PCN Packaging

PCN Design/Specification

Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products

 ATSAM3U1CA-AU Microchip Technology IC MCU 32BIT 64KB FLASH 100LQFP	 ATSAM3U2CA-AU Microchip Technology IC MCU 32BIT 128KB FLASH 100LQFP	 ATSAM3U2EA-AU Microchip Technology IC MCU 32BIT 128KB FLASH 144LQFP	 ATSAM3U1CB-AU Microchip Technology IC MCU 32BIT 64KB FLASH 100LQFP	 ATSAM3U4EA-AU Microchip Technology IC MCU 32BIT 256KB FLASH 144LQFP	 ATSAM3X4CA-AU Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP
 ATSAM3U1C-AU Atmel (Microchip Technology)	 ATSAM3U1CA-AU Atmel IC MCU 32BIT 64KB FLASH 100LQFP	 ATSAM3U2C-AU Atmel (Microchip Technology)	 ATSAM3U1CB-CU Microchip Technology IC MCU 32BIT 64KB FLASH 100TFBGA	 ATSAM3S8BA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 64LQFP	 ATSAM3U4CA-AU Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP
 ATSAM3U4CA-CU Microchip Technology IC MCU 32BIT 256KB FLSH 100TFBGA	 ATSAM3S8CA-CUR Microchip Technology IC MCU 32BIT 512KB FLSH 100TFBGA	 ATSAM3S8CA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	 ATSAM3U2EA-AU Atmel IC MCU 32BIT 128KB FLASH 144LQFP	 ATSAM3S8BA-MU Microchip Technology IC MCU 32BIT 512KB FLASH 64QFN	 ATSAM3S8CA-CU Microchip Technology IC MCU 32BIT 512KB FLSH 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.



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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Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
 Phone: +00852 9146 4856
 Fax: +00852 3010 8510
 Email: info@Allelco.com