

Image may be representation.
See specifications for product details.



ATMEGA32U4-MUR

Manufacturer Part Number	ATMEGA32U4-MUR
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA32U4-MUR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 32KB FLASH 44VQFN
Package	44-VFQFN Exposed Pad
Data sheet	ATmega16U4,32U4 Datasheet.pdf ATmega16U4,32U4 Summary.pdf USB DFU Bootloader Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA32U4-MUR - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA32U4-MUR datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA32U4-MUR, please send us email: info@allelco.com

Specifications

ATMEGA32U4-MUR Tech Specifications
ATMEGA32U4-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)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-VQFN (7x7)	Number of I/O	26
Speed	16MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	1K x 8
RAM Size	2.5K x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (16K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I ² C, SPI, UART/USART, USB
Package / Case	44-VFQFN Exposed Pad	Base Product Number	ATMEGA32
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA32U4-MUR

Product Attribute				
Part Number	ATMEGA32U4-MUR	ATMEGA48-15AT1	ATMEGA406-1AAU	ATMEGA32U4-AU
Manufacturer	Microchip Technology	Microchip Technology	Atmel	Microchip Technology
Series	AVR® ATmega	Automotive, AEC-Q100, AVR® ATmega	AVR® ATmega	AVR® ATmega
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
RAM Size	2.5K x 8	512 x 8	2K x 8	2.5K x 8
EEPROM Size	1K x 8	256 x 8	512 x 8	1K x 8
Number of I/O	26	23	18	26
Program Memory Size	32KB (16K x 16)	4KB (2K x 16)	40KB (20K x 16)	32KB (16K x 16)
Package / Case	44-VFQFN Exposed Pad	32-TQFP	48-LQFP	44-TQFP
Speed	16MHz	16MHz	1MHz	16MHz
Core Processor	AVR	AVR	AVR	AVR
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Base Product Number	ATMEGA32	ATMEGA48	ATMEGA406	ATMEGA32
Data Converters	A/D 12x10b	A/D 8x10b	A/D 10x12b	A/D 12x10b
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I ² C, SPI, UART/USART, USB	I ² C, SPI, UART/USART	I ² C	I ² C, SPI, UART/USART, USB
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	4V ~ 25V	2.7V ~ 5.5V
Supplier Device Package	44-VQFN (7x7)	32-TQFP (7x7)	48-LQFP (7x7)	44-TQFP (10x10)

ATMEGA32U4-MUR Datasheet PDF

Download ATMEGA32U4-MUR pdf datasheets and Microchip Technology documentation for ATMEGA32U4-MUR - Microchip Technology.

Datasheets

[ATmega16U4,32U4 Datasheet.pdf](#)

[ATmega16U4,32U4 Summary.pdf](#)

[USB DFU Bootloader Datasheet.pdf](#)

PCN Packaging

Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf

Boxes 07/Dec/2016.pdf

PCN Design/Specification

Marking Chgs 11/Jul/2017.pdf

Copper Bonding Wire 19/Dec/2014.pdf

PCN Other

MSL Update 26/Feb/2014.pdf

PCN Assembly/Origin

Fab Site 28/Jan/2021.pdf

Customers Also Interested in

Recommended Products



ATMEGA406-1AAU_SL283

Atmel (Microchip Technology)



ATMEGA48-15AT1

Microchip Technology
IC MCU 8BIT 4KB FLASH 32TQFP



ATMEGA406-1AAU

Atmel
IC MCU 8BIT 40KB FLASH 48LQFP



ATMEGA32U4-AU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



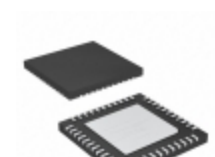
ATMEGA32U2-MU

Microchip Technology
IC MCU 8BIT 32KB FLASH 32VQFN



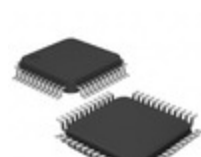
ATMEGA32U4-AUR

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32U4RC-MU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA406-1AAU

Microchip Technology
IC MCU 8BIT 40KB FLASH 48LQFP



ATMEGA32U2

Atmel (Microchip Technology)



ATMEGA32U2-AU

Microchip Technology
IC MCU 8BIT 32KB FLASH 32TQFP



ATMEGA32U4-AU

Atmel
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32U2-MUR

Microchip Technology
IC MCU 8BIT 32KB FLASH 32VQFN



ATMEGA32U4RC-AU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



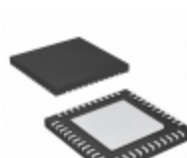
ATMEGA48-15AT1

Atmel
IC MCU 8BIT 4KB FLASH 32TQFP



ATMEGA32U4-MUR

Atmel
IC MCU 8BIT 32KB FLASH 44VQFN



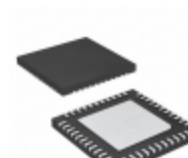
ATMEGA32U4-MU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA32U2-AUR

Microchip Technology
IC MCU 8BIT 32KB FLASH 32TQFP



ATMEGA32U4RC-MUR

Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN

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 Alleco 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.



Phone

+00852 9146 4856



Email

info@alleco.com

Certifications & Memberships



View More

