



Image may be representation.
See specifications for product details.



ATMEGA406-1AAU

Manufacturer Part Number	ATMEGA406-1AAU
Manufacturer	Atmel
Allelco Part Number	32D-ATMEGA406-1AAU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 40KB FLASH 48LQFP
Package	48-LQFP
Data sheet	ATMEGA406-1AAU.pdf

Get a Quote

ATMEGA406-1AAU - Atmel.New Original in Stock. Download Linear Technology ATMEGA406-1AAU datasheet/specifications on AllelcoElec.com.
Request a quote for ATMEGA406-1AAU, please send us email: info@allelco.com

Specifications

ATMEGA406-1AAU Tech Specifications

ATMEGA406-1AAU - Atmel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Atmel	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4V ~ 25V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	18
Speed	1MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	512 x 8
RAM Size	2K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	40KB (20K x 16)	Core Processor	AVR
Peripherals	POR, WDT	Connectivity	I²C
Package / Case	48-LQFP	Base Product Number	ATMEGA406
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATMEGA406-1AAU

Product Attribute				
Part Number	ATMEGA406-1AAU	ATMEGA406-1AAU	ATMEGA32U4-MUR	ATMEGA48-15AT1
Manufacturer	Atmel	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	48-LQFP (7x7)	48-LQFP (7x7)	44-VQFN (7x7)	32-TQFP (7x7)
Program Memory Size	40KB (20K x 16)	40KB (20K x 16)	32KB (16K x 16)	4KB (2K x 16)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Number of I/O	18	18	26	23
Core Processor	AVR	AVR	AVR	AVR
Speed	1MHz	1MHz	16MHz	16MHz
Data Converters	A/D 10x12b	A/D 10x12b	A/D 12x10b	A/D 8x10b
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	2K x 8	2K x 8	2.5K x 8	512 x 8
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package	Bulk	Tray	Tape & Reel (TR)	Tape & Reel (TR)
Connectivity	I²C	I²C	I²C, SPI, UART/USART, USB	I²C, SPI, UART/USART
Package / Case	48-LQFP	48-LQFP	44-VFQFN Exposed Pad	32-TQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	ATMEGA406	ATMEGA406	ATMEGA32	ATMEGA48
EEPROM Size	512 x 8	512 x 8	1K x 8	256 x 8
Peripherals	POR, WDT	POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	Automotive, AEC-Q100, AVR® ATmega
Voltage - Supply (Vcc/Vdd)	4V ~ 25V	4V ~ 25V	2.7V ~ 5.5V	2.7V ~ 5.5V

Customers Also Interested in

Recommended Products

ATMEGA406-1AAU	ATMEGA32U4-MUR	ATMEGA48-15AT1	ATMEGA32U4-AUR	ATMEGA406-1AAU_SL283	ATMEGA48-15MT
Microchip Technology IC MCU 8BIT 40KB FLASH 48LQFP	Microchip Technology IC MCU 8BIT 32KB FLASH 44VQFN	Microchip Technology IC MCU 8BIT 4KB FLASH 32TQFP	Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	Atmel (Microchip Technology)	Microchip Technology IC MCU 8BIT 4KB FLASH 32QFN



ATMEGA48-15MT

Atmel
IC MCU 8BIT 4KB FLASH 32QFN



ATMEGA48-15AZ

Microchip Technology
IC MCU 8BIT 4KB FLASH 32TQFP



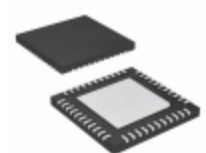
ATMEGA32U4-MUR

Atmel
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA45DB1610-SU

Atmel (Microchip Technology)



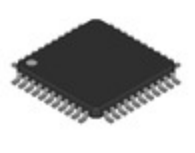
ATMEGA32U4-MU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA48-20AJ

Microchip Technology
IC MCU 8BIT 4KB FLASH 32TQFP



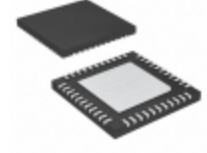
ATMEGA32U4-AU

Atmel
IC MCU 8BIT 32KB FLASH 44TQFP



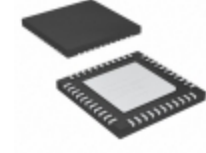
ATMEGA32U4-AU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32U4RC-MU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA32U4RC-MUR

Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA32U4RC-AU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA48-15AT1

Atmel
IC MCU 8BIT 4KB FLASH 32TQFP

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.

- Phone
+00852 9146 4856
- Email
info@allelco.com

Certifications & Memberships



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