



Image may be representation.
See specifications for product details.



ATMEGA164PV-10AU

Manufacturer Part Number	ATMEGA164PV-10AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA164PV-10AU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 16KB FLASH 44TQFP
Package	44-TQFP
Data sheet	ATmega164_324_644P/V Appendix.pdf Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

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ATMEGA164PV-10AU - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA164PV-10AU datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA164PV-10AU, please send us email: info@allelco.com

Specifications

ATMEGA164PV-10AU Tech Specifications
ATMEGA164PV-10AU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-TQFP (10x10)	Number of I/O	32
Speed	10MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	512 x 8
RAM Size	1K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (8K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I ² C, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	ATMEGA164
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA164PV-10AU

Product Attribute				
Part Number	ATMEGA164PV-10AU	ATMEGA165PA-AUR	ATMEGA164PA-MU	ATMEGA164P-B15AZ
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	Automotive, AEC-Q100, AVR® ATmega
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Number of I/O	32	54	32	32
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	2.7V ~ 5.5V
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	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Package / Case	44-TQFP	64-TQFP	44-VQFN Exposed Pad	44-TQFP
Base Product Number	ATMEGA164	ATMEGA165	ATMEGA164	ATMEGA164
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	44-TQFP (10x10)	64-TQFP (14x14)	44-VQFN (7x7)	44-TQFP (10x10)
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Package	Tray	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Oscillator Type	Internal	Internal	Internal	Internal
Speed	10MHz	16MHz	20MHz	16MHz
Core Processor	AVR	AVR	AVR	AVR
Connectivity	I ² C, SPI, UART/USART	SPI, UART/USART, USI	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART

ATMEGA164PV-10AU Datasheet PDF

Download ATMEGA164PV-10AU pdf datasheets and Microchip Technology documentation for ATMEGA164PV-10AU - Microchip Technology.

Datasheets

[ATmega164_324_644P/V Appendix.pdf](#)

PCN Packaging

[2.73KHz.pdf](#)

PCN Design/Specification



Marking Chgs 11/Jul/2017.pdf



ATMEGA Datasheet 12/Dec/2018.pdf

HTML Datasheet



Cylindrical Battery Holders.pdf

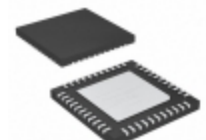
Customers Also Interested in

Recommended Products



ATMEGA165PA-AUR

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



ATMEGA164PA-MU

Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN



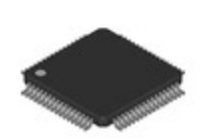
ATMEGA164P-B15AZ

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



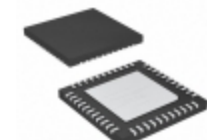
ATMEGA165-16AI

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



ATMEGA165P-16AU

Atmel
IC MCU 8BIT 16KB FLASH 64TQFP



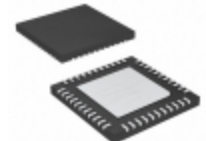
ATMEGA164PV-10MU

Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN



ATMEGA165A-AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



ATMEGA164P-A15MZ

Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN



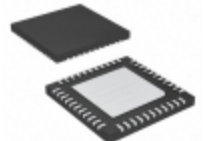
ATMEGA164PA-MUR

Atmel
IC MCU 8BIT 16KB FLASH 44VQFN



ATMEGA164PA-AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



ATMEGA164P-B15MZ

Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN



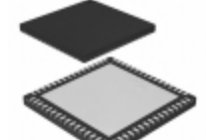
ATMEGA164P-BESMZ

Atmel
IC MCU 8BIT 16KB FLASH 44VQFN



ATMEGA165P-16AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



ATMEGA165PA-MU

Microchip Technology
IC MCU 8BIT 16KB FLASH 64VQFN



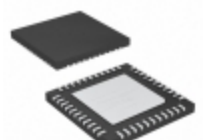
ATMEGA164PV-10PU

Microchip Technology
IC MCU 8BIT 16KB FLASH 40DIP



ATMEGA165-16AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



ATMEGA164PA-MUR

Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN



ATMEGA164PA-AUR

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP

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

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Email

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Certifications & Memberships



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