

Image may be representation.
See specifications for product details.



ATMEGA164PV-10MU

Manufacturer Part Number	ATMEGA164PV-10MU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA164PV-10MU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 16KB FLASH 44VQFN
Package	44-VFQFN Exposed Pad
Data sheet	ATmega164_324_644P/V Appendix.pdf ATmega164_324_644P/V Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

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

Specifications

ATMEGA164PV-10MU Tech Specifications
ATMEGA164PV-10MU - 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-VQFN (7x7)	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	I²C, SPI, UART/USART
Package / Case	44-VFQFN Exposed Pad	Base Product Number	ATMEGA164
Package	Tray		

Parts with Similar Specifications

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

Product Attribute				
Part Number	ATMEGA164PV-10MU	ATMEGA165P-16AU	ATMEGA164P-B15AZ	ATMEGA164PV-10AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	ATMEGA164	ATMEGA165	ATMEGA164	ATMEGA164
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)
Connectivity	I²C, SPI, UART/USART	SPI, UART/USART, USI	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Core Processor	AVR	AVR	AVR	AVR
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Number of I/O	32	54	32	32
Package	Tray	Tray	Tape & Reel (TR)	Tray
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Package / Case	44-VFQFN Exposed Pad	64-TQFP	44-TQFP	44-TQFP
Supplier Device Package	44-VQFN (7x7)	64-TQFP (14x14)	44-TQFP (10x10)	44-TQFP (10x10)
Series	AVR® ATmega	AVR® ATmega	Automotive, AEC-Q100, AVR® ATmega	AVR® ATmega
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
Speed	10MHz	16MHz	16MHz	10MHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	1.8V ~ 5.5V
Core Size	8-Bit	8-Bit	8-Bit	8-Bit

ATMEGA164PV-10MU Datasheet PDF

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

Datasheets

- ATmega164_324_644P/V Appendix.pdf
- ATmega164_324_644P/V Datasheet.pdf

PCN Packaging

- MBB/Label Chgs 16/Nov/2018.pdf
- Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf

PCN Design/Specification



Marking Chgs 11/Jul/2017.pdf



ATMEGA Datasheet 12/Dec/2018.pdf

PCN Other



MSL Revision A 26/Mar/2014.pdf

PCN Assembly/Origin



Additional Assembly Site 28/Sep/2021.pdf

Customers Also Interested in

Recommended Products



ATMEGA165P-16AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



ATMEGA164P-B15AZ

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



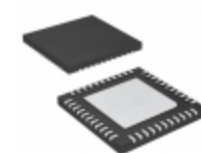
ATMEGA164PV-10AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



ATMEGA164PA-MUR

Atmel
IC MCU 8BIT 16KB FLASH 44VQFN



ATMEGA164P-B15MZ

Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN



ATMEGA164PA-AUR

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



ATMEGA164PA-15AZ

Atmel (Microchip Technology)



ATMEGA165PA-AUR

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



ATMEGA164P-BESMZ

Atmel
IC MCU 8BIT 16KB FLASH 44VQFN



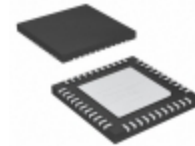
ATMEGA164PV-10PU

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-AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



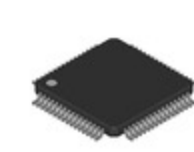
ATMEGA165-16AI

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



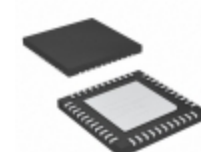
ATMEGA165A-AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



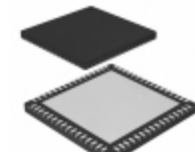
ATMEGA165P-16AU

Atmel
IC MCU 8BIT 16KB FLASH 64TQFP



ATMEGA164PA-MU

Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN



ATMEGA165PA-MU

Microchip Technology
IC MCU 8BIT 16KB FLASH 64QFN

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

