



ATMEGA164P-15MZ Information



For Reference Only

Part Number ATMEGA164P-15MZ

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 8BIT 16KB FLASH 44QFN

Package 44-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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ATMEGA164P-15MZ Specifications

Manufacturer Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 44-VFQFN Exposed Pad Series Automotive, AEC-Q100, AVR? ATmega Core Processor AVR Core Size 8-Bit Speed 16MHz Connectivity 12C, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 32 Program Memory Size 16KB (8K x 16) Program Memory Type FLASH EEPROM Size 512 x 8 RAM Size Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b Oscillator Type Internal		
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Series Automotive, AEC-Q100, AVR? ATmega Core Processor AVR Core Size 8-Bit Speed 16MHz Connectivity I2C, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 32 Program Memory Size 16KB (8K x 16) Program Memory Type FLASH EEPROM Size 512 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b Oscillator Type Internal		Embedded - Microcontrollers
Core Processor AVR Core Size 8-Bit Speed 16MHz Connectivity I2C, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 32 Program Memory Size 16KB (8K x 16) Program Memory Type FLASH EEPROM Size 512 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b Oscillator Type Internal	Package	44-VFQFN Exposed Pad
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Speed 16MHz Connectivity I2C, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 32 Program Memory Size 16KB (8K x 16) Program Memory Type FLASH EEPROM Size 512 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b Oscillator Type Internal	Core Processor	AVR
Connectivity Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 32 Program Memory Size 16KB (8K x 16) Program Memory Type FLASH EEPROM Size 512 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b Internal	Core Size	8-Bit
Peripherals Number of I/O 32 Program Memory Size 16KB (8K x 16) Program Memory Type FLASH EEPROM Size 512 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b Internal	Speed	16MHz
Number of I/O 32 Program Memory Size 16KB (8K x 16) Program Memory Type FLASH EEPROM Size 512 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b Oscillator Type Internal	Connectivity	I2C, SPI, UART/USART
Program Memory Size Program Memory Type FLASH EEPROM Size S12 x 8 RAM Size IK x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 8x10b Internal	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size 512×8 RAM Size $1K \times 8$ Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D \otimes 10b$ Oscillator Type Internal	Number of I/O	32
EEPROM Size 512×8 RAM Size $1K \times 8$ Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D \otimes 10b$ Oscillator Type Internal	Program Memory Size	16KB (8K x 16)
RAM Size $ 1K \times 8 $ Voltage - Supply (Vcc/Vdd) $ 2.7 \text{ V} \sim 5.5 \text{ V} $ Data Converters $ A/D \times 10b $ Oscillator Type $ Internal $	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 8x10b$ Oscillator Type Internal	EEPROM Size	512 x 8
Data Converters A/D 8x10b Oscillator Type Internal	RAM Size	1K x 8
Oscillator Type Internal	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
	Data Converters	A/D 8x10b
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Oscillator Type	Internal
	Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type -	Mounting Type	-
Package / Case 44-VFQFN Exposed Pad	Package / Case	44-VFQFN Exposed Pad
Supplier Device Package 44-QFN (7x7)	Supplier Device Package	44-QFN (7x7)
Report errors?		Report errors?

ATMEGA164P-15MZ Guarantees



Quality Guarantees

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Our experienced sales team and tech support team back our services to satisfy all our customers.

ATMEGA164P-15MZ Payment Methods



















ATMEGA164P-15MZ Shipping Methods













If you have any question about ATMEGA164P-15MZ, please do not hesitate to contact us!

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