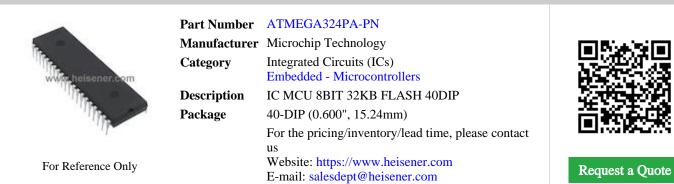


ATMEGA324PA-PN

ATMEGA324PA-PN Information



Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



ATMEGA324PA-PN Specifications

Manufacturer Microchin Technology Manufacturer Microchin Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 40-DIP (0.600", 15.24mm) Series AVR? ATmega Core Processor AVR Core Size 8-Bit Speed 20MHz Connectivity I2C, SPI, UART/USART Preipherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 32 Program Memory Size 32KB (16K x 16) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 40-DIP (0.600", 15.24mm)		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage40-DIP (0.600", 15.24mm)SeriesAVR? ATmegaCore ProcessorAVRCore Size8-BitSpeed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O32Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM SizeIK x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-PDIP (0.600", 15.24mm)	Manufacturer Part Number	ATMEGA324PA-PN
Embeddel - MicrocontrollersPackage40-DIP (0.600", 15.24mm)SeriesAVR? ATmegaCore ProcessorAVRCore Size8-BitSpeed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O32Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Manufacturer	Microchip Technology
Package40-DIP (0.600", 15.24mm)SeriesAVR? ATmegaCore ProcessorAVRCore Size8-BitSpeed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O32Program Memory Size32KB (16K x 16)PERPOM SizeIK x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature40°C ~ 105°C (TA)Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Category	Integrated Circuits (ICs)
SeriesAVR? ATmegaCore ProcessorAVRCore Size8-BitSpeed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O32Program Memory SizeSZKB (16K x 16)Program Memory TypeFLASHEEPROM SizeXK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator Type-Program Temperature-Program Converters0.0 DIP (0.600", 15.24mm)Supplier Device Package0.40 PDIP		Embedded - Microcontrollers
Core ProcessorAVRCore Size8-BitSpeed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O32Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator Type-Program Temperature-Program Converters40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Package	40-DIP (0.600", 15.24mm)
Core Size8-BitSpeed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O32Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Series	AVR? ATmega
Speed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O32Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-PDIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Core Processor	AVR
Connectivity I2C, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 32 Program Memory Size 32KB (16K x 16) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Core Size	8-Bit
PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O32Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Speed	20MHz
Number of I/O32Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Connectivity	I2C, SPI, UART/USART
Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size1K x 8RAM Size2K x 8Voltage - Supply (Vcc/Vd0)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Number of I/O	32
EEPROM Size1K x 8EEPROM Size2K x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Program Memory Size	32KB (16K x 16)
RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	EEPROM Size	1K x 8
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	RAM Size	2K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.5 V
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Data Converters	A/D 8x10b
Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Oscillator Type	Internal
Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package 40-PDIP	Mounting Type	-
	Package / Case	40-DIP (0.600", 15.24mm)
Report errors?	Supplier Device Package	40-PDIP
		Report errors?

ATMEGA324PA-PN Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

ATMEGA324PA-PN Payment Methods





If you have any question about ATMEGA324PA-PN, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com