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See specifications for product details.



ATMEGA168PA-AN

Manufacturer Part Number	ATMEGA168PA-AN
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA168PA-AN
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 16KB FLASH 32TQFP
Package	32-TQFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA168PA-AN - Microchip Technology.New Original in Stock. Download Linear Technology ATMEGA168PA-AN datasheet/specifications on AllelcoElec.com.
Request a quote for ATMEGA168PA-AN, please send us email: info@allelco.com

Specifications

ATMEGA168PA-AN Tech Specifications
ATMEGA168PA-AN - 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 ~ 105°C (TA)
Supplier Device Package	32-TQFP (7x7)	Number of I/O	23
Speed	20MHz	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	32-TQFP	Base Product Number	ATMEGA168
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA168PA-AN

Product Attribute				
Part Number	ATMEGA168PA-AN	ATMEGA168PA-MU	ATMEGA168PA-MUR	ATMEGA168PA-AUR
Manufacturer	Microchip Technology	Atmel	Microchip Technology	Microchip Technology
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	32-TQFP (7x7)	32-VQFN (5x5)	32-VQFN (5x5)	32-TQFP (7x7)
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Core Processor	AVR	AVR	AVR	AVR
Number of I/O	23	23	23	23
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	32-TQFP	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-TQFP
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Base Product Number	ATMEGA168	ATMEGA168	ATMEGA168	ATMEGA168
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	20MHz	20MHz	20MHz	20MHz
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
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
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8

ATMEGA168PA-AN Datasheet PDF

Download ATMEGA168PA-AN pdf datasheets and Microchip Technology documentation for ATMEGA168PA-AN - Microchip Technology.

Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

PCN Design/Specification



ATmega48A/PA/88A/PA/168A/PA/328/P
10/Sep/2020.pdf



ATMEGA Datasheet 13/Dec/2018.pdf

Errata



2.73KHz.pdf

PCN Assembly/Origin



2.73KHz.pdf

Customers Also Interested in

Recommended Products



ATMEGA168PA-MU

Atmel
IC MCU 8BIT 16KB FLASH 32VQFN



ATMEGA168PA-MUR

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN



ATMEGA168PA-AUR

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFP



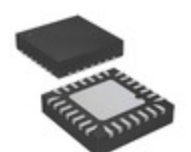
ATMEGA168PB-AN

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFP



ATMEGA168PA-MUR

Atmel
IC MCU 8BIT 16KB FLASH 32VQFN



ATMEGA168PA-MMH

Microchip Technology
IC MCU 8BIT 16KB FLASH 28VQFN



ATMEGA168PA-AU

Atmel
IC MCU 8BIT 16KB FLASH 32VQFP



ATMEGA168PB-AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFP



ATMEGA168A-MUR

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN



ATMEGA168PA-MU

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN



ATMEGA168P-20MU

Atmel
IC MCU 8BIT 16KB FLASH 32VQFN



ATMEGA168PA-AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFP



ATMEGA168PA-15AZ

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFP



ATMEGA168P-20MU

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN



ATMEGA168P-20AU

Atmel
IC MCU 8BIT 16KB FLASH 32VQFP



ATMEGA168A-AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFP



ATMEGA168PA-15MZ

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN



ATMEGA168A-MU

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN

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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