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See specifications for product details.



ATMEGA32HVB-8X3

Manufacturer Part Number	ATMEGA32HVB-8X3
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA32HVB-8X3
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 32KB FLASH 44TSSOP
Package	44-TFSOP (0.173', 4.40mm Width)
Data sheet	ATmega16/32HVB Complete.pdf ATMega16/32HVB Summary.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA32HVB-8X3 - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA32HVB-8X3 datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA32HVB-8X3, please send us email: info@allelco.com

Specifications

ATMEGA32HVB-8X3 Tech Specifications
ATMEGA32HVB-8X3 - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4V ~ 25V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-TSSOP	Number of I/O	17
Speed	8MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	1K x 8
RAM Size	2K x 8	Data Converters	A/D 7x12b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (16K x 16)	Core Processor	AVR
Peripherals	POR, WDT	Connectivity	I²C, SPI
Package / Case	44-TFSOP (0.173', 4.40mm Width)	Base Product Number	ATMEGA32
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA32HVB-8X3

Product Attribute				
Part Number	ATMEGA32HVB-8X3	ATMEGA32L-8MU	ATMEGA32C1-15AZ	ATMEGA32A-AUR
Manufacturer	Microchip Technology	Atmel	Microchip Technology	Microchip Technology
Package / Case	44-TFSOP (0.173', 4.40mm Width)	44-VFQFN Exposed Pad	32-TQFP	44-TQFP
Supplier Device Package	44-TSSOP	44-VQFN (7x7)	32-TQFP (7x7)	44-TQFP (10x10)
Base Product Number	ATMEGA32	ATMEGA32	ATMEGA32	ATMEGA32
Number of I/O	17	32	-	32
Voltage - Supply (Vcc/Vdd)	4V ~ 25V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Core Processor	AVR	AVR	AVR	AVR
EEPROM Size	1K x 8	1K x 8	1K x 8	1K x 8
Connectivity	I²C, SPI	I²C, SPI, UART/USART	CANbus, LINbus, SPI, UART/USART	I²C, SPI, UART/USART
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Peripherals	POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)
Package	Tray	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	8MHz	8MHz	16MHz	16MHz
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 7x12b	A/D 8x10b	A/D 11x10b; D/A 1x10b	A/D 8x10b
Oscillator Type	Internal	Internal	Internal	Internal
Series	AVR® ATmega	AVR® ATmega	Automotive, AEC-Q100, AVR® ATmega	AVR® ATmega

ATMEGA32HVB-8X3 Datasheet PDF

Download ATMEGA32HVB-8X3 pdf datasheets and Microchip Technology documentation for ATMEGA32HVB-8X3 - Microchip Technology.

PCN Packaging

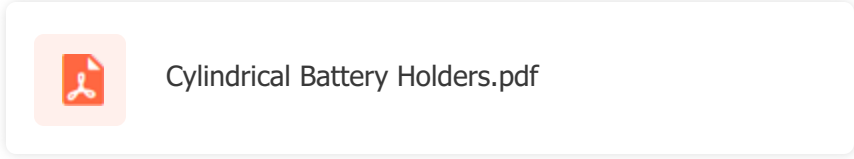
[MBB/Label Chgs 16/Nov/2018.pdf](#)

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

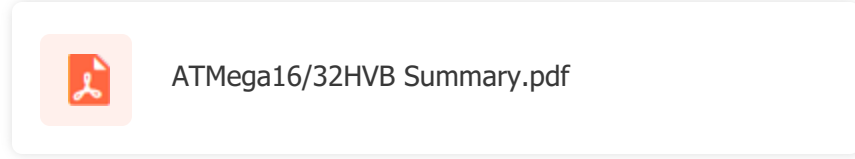
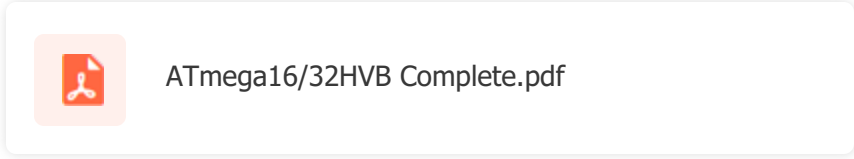
PCN Design/Specification

[Copper Bonding Wire Update 30/Jan/2015.pdf](#)

[ATmega\(16,32\)HVB 29/Aug/2012.pdf](#)



HTML Datasheet



Customers Also Interested in

Recommended Products

ATMEGA32L-8MU Atmel IC MCU 8BIT 32KB FLASH 44VQFN	ATMEGA32C1-15AZ Microchip Technology IC MCU 8BIT 32KB FLASH 32TQFP	ATMEGA32A-AUR Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	ATMEGA32L-8AU Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	ATMEGA32L-8AC Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	ATMEGA32A-MNR Microchip Technology IC MCU 8BIT 32KB FLASH 44VQFN
ATMEGA32L-8AI Atmel IC MCU 8BIT 32KB FLASH 44TQFP	ATMEGA32L-8MUR Atmel IC MCU 8BIT 32KB FLASH 44VQFN	ATMEGA32C1-15AD Microchip Technology IC MCU 8BIT 32KB FLASH 32TQFP	ATMEGA32A-AU Atmel IC MCU 8BIT 32KB FLASH 44TQFP	ATMEGA32L-8MU Microchip Technology IC MCU 8BIT 32KB FLASH 44VQFN	ATMEGA32L-8AI Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP
ATMEGA32A-PU Microchip Technology IC MCU 8BIT 32KB FLASH 40DIP	ATMEGA32L-8AU Atmel IC MCU 8BIT 32KB FLASH 44TQFP	ATMEGA32A-MU Microchip Technology IC MCU 8BIT 32KB FLASH 44VQFN	ATMEGA32A-AU Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	ATMEGA32L-8AUR Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	ATMEGA32A-MUR Microchip Technology IC MCU 8BIT 32KB FLASH 44VQFN

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.



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