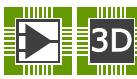


Image may be representation.
See specifications for product details.



ATMEGA2560V-8CU

Manufacturer Part Number	ATMEGA2560V-8CU
Manufacturer	Atmel
Allelco Part Number	32D-ATMEGA2560V-8CU
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 256KB FLASH 100CBGA
Package	100-VFBGA
Data sheet	ATMEGA2560V-8CU.pdf

Get a Quote

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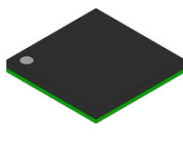

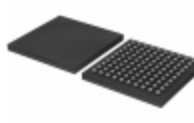
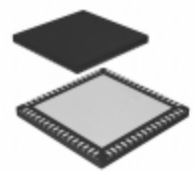
Specifications

ATMEGA2560V-8CU Tech Specifications
ATMEGA2560V-8CU - Atmel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Atmel	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-VFBGA (7x7)	Number of I/O	86
Speed	8MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	4K x 8
RAM Size	8K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	256KB (128K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	EBI/EMI, I ² C, SPI, UART/USART
Package / Case	100-VFBGA	Base Product Number	ATMEGA2560
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATMEGA2560V-8CU

Product Attribute				
Part Number	ATMEGA2560V-8CU	ATMEGA2560V-8AU	ATMEGA2560V-8CU	ATMEGA2561V-8MU
Manufacturer	Atmel	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	4K x 8	4K x 8	4K x 8	4K x 8
Program Memory Size	256KB (128K x 16)	256KB (128K x 16)	256KB (128K x 16)	256KB (128K x 16)
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
Supplier Device Package	100-VFBGA (7x7)	100-TQFP (14x14)	100-CBGA (9x9)	64-QFN (9x9)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Core Processor	AVR	AVR	AVR	AVR
Data Converters	A/D 16x10b	A/D 16x10b	A/D 16x10b	A/D 8x10b
Base Product Number	ATMEGA2560	ATMEGA2560	ATMEGA2560	ATMEGA2561
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Speed	8MHz	8MHz	8MHz	8MHz
Package	Bulk	Tray	Tray	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	100-VFBGA	100-TQFP	100-TFBGA	64-VFQFN Exposed Pad
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	86	86	86	54

Customers Also Interested in

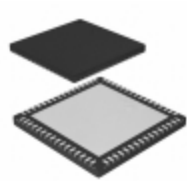
Recommended Products



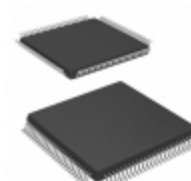
ATMEGA2560V-8AU
Microchip Technology
IC MCU 8BIT 256KB FLASH 100TQFP



ATMEGA2560V-8CU
Microchip Technology
IC MCU 8BIT 256KB FLASH 100CBGA



ATMEGA2561V-8MU
Microchip Technology
IC MCU 8BIT 256KB FLASH 64QFN



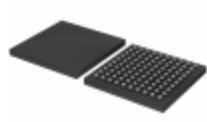
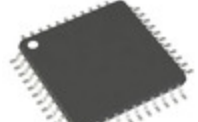
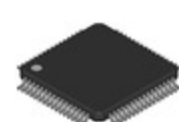
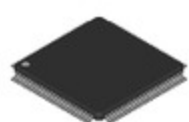
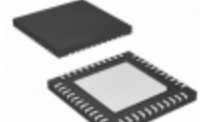
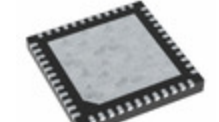
ATMEGA2560V-16AU
Microchip Technology
IC MCU 8BIT 256KB FLASH 100TQFP



ATMEGA2561V-16AUR
Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP



ATMEGA2561V-8AU
Atmel
IC MCU 8BIT 256KB FLASH 64TQFP

**ATMEGA2560-16CU**Microchip Technology
IC MCU 8BIT 256KB FLASH 100CBGA**ATMEGA2561V-8AU**Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP**ATMEGA16U4-AU**Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP**ATMEGA2561-16AU**Atmel
IC MCU 8BIT 256KB FLASH 64TQFP**ATMEGA16U2-MUR**Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN**ATMEGA2560-16CU**Atmel
IC MCU 8BIT 256KB FLASH 100CBGA**ATMEGA2560V-8AU**Atmel
IC MCU 8BIT 256KB FLASH 100TQFP**ATMEGA16U4-MU**Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN**ATMEGA2561V-8AUR**Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP**ATMEGA2561-16AU**Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP**ATMEGA2561-16AUR**Atmel
IC MCU 8BIT 256KB FLASH 64TQFP**ATMEGA2564RFR2-ZF**Microchip Technology
IC RF TXRX+MCU 802.15.4 48VQFN

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.

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Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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- Cost-Saving Procurement
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