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See specifications for product details.



ATMEGA645-16MU

Manufacturer Part Number	ATMEGA645-16MU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA645-16MU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 64KB FLASH 64QFN
Package	64-VFQFN Exposed Pad
Data sheet	ATMEGA325, 645, 3250, 6450(V) Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA645-16MU - Microchip Technology.New Original in Stock. Download Linear Technology ATMEGA645-16MU datasheet/specifications on AllelcoElec.com.
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Specifications

ATMEGA645-16MU Tech Specifications
ATMEGA645-16MU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-QFN (9x9)	Number of I/O	53
Speed	16MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	2K x 8
RAM Size	4K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	64KB (32K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	SPI, UART/USART, USI
Package / Case	64-VFQFN Exposed Pad	Base Product Number	ATMEGA645
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA645-16MU

Product Attribute				
Part Number	ATMEGA645-16MU	ATMEGA6450-16AUR	ATMEGA644PA-MUR	ATMEGA6450A-AUR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Size	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)
Number of I/O	53	68	32	69
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8
Base Product Number	ATMEGA645	ATMEGA6450	ATMEGA644	ATMEGA6450
Core Processor	AVR	AVR	AVR	AVR
Supplier Device Package	64-QFN (9x9)	100-TQFP (14x14)	44-VQFN (7x7)	100-TQFP (14x14)
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Connectivity	SPI, UART/USART, USI	SPI, UART/USART, USI	I ² C, SPI, UART/USART	SPI, UART/USART, USI
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	64-VFQFN Exposed Pad	100-TQFP	44-VFQFN Exposed Pad	100-TQFP
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
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
Speed	16MHz	16MHz	20MHz	20MHz
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

ATMEGA645-16MU Datasheet PDF

Download ATMEGA645-16MU pdf datasheets and Microchip Technology documentation for ATMEGA645-16MU - Microchip Technology.

Datasheets


[ATMEGA325, 645, 3250, 6450\(V\) Datasheet.pdf](#)

PCN Packaging

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

[Boxes 07/Dec/2016.pdf](#)


PCN Design/Specification

 Marking Chgs 11/Jul/2017.pdf

PCN Other

 MSL Update 26/Feb/2014.pdf

PCN Assembly/Origin

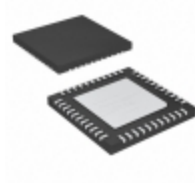
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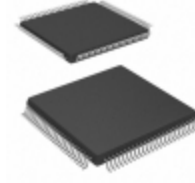
ATMEGA6450-16AUR
Microchip Technology
IC MCU 8BIT 64KB FLASH 100TQFP



ATMEGA644PA-MUR
Microchip Technology
IC MCU 8BIT 64KB FLASH 44VQFN



ATMEGA6450A-AUR
Microchip Technology
IC MCU 8BIT 64KB FLASH 100TQFP



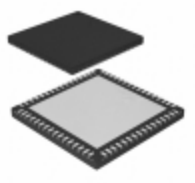
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Microchip Technology
IC MCU 8BIT 64KB FLASH 100TQFP



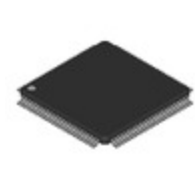
ATMEGA644PV-10AU
Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



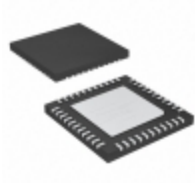
ATMEGA644V-10PU
Microchip Technology
IC MCU 8BIT 64KB FLASH 40DIP



ATMEGA645V-8MU
Microchip Technology
IC MCU 8BIT 64KB FLASH 64QFN



ATMEGA6450P-AU
Atmel
IC MCU 8BIT 64KB FLASH 100TQFP



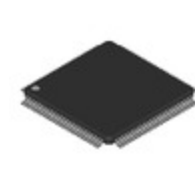
ATMEGA644PV-10MU
Microchip Technology
IC MCU 8BIT 64KB FLASH 44VQFN



ATMEGA645-16MU
Atmel
IC MCU 8BIT 64KB FLASH 64QFN



ATMEGA644PA-MU
Atmel
IC MCU 8BIT 64KB FLASH 44VQFN



ATMEGA6450-16AUR
Atmel
IC MCU 8BIT 64KB FLASH 100TQFP



ATMEGA645-16AU
Microchip Technology
IC MCU 8BIT 64KB FLASH 64TQFP



ATMEGA644V-10AU
Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



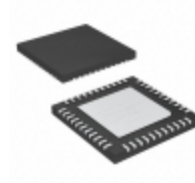
ATMEGA6450P-AU
Microchip Technology
IC MCU 8BIT 64KB FLASH 100TQFP



ATMEGA649-16AI
Microchip Technology
IC MCU 8BIT 64KB FLASH 64TQFP



ATMEGA644PV-10AUR
Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



ATMEGA644PA-MU
Microchip Technology
IC MCU 8BIT 64KB 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.

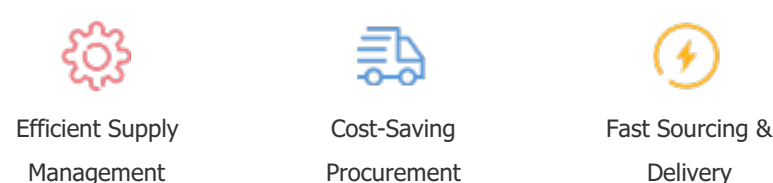
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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