



Image may be representation.
See specifications for product details.



ATMEGA64L-8AU

Manufacturer Part Number	ATMEGA64L-8AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA64L-8AU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 64KB FLASH 64TQFP
Package	64-TQFP
Data sheet	ATmega64,L.pdf ATmega64(L) Summary.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA64L-8AU - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA64L-8AU datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA64L-8AU, please send us email: info@allelco.com

Specifications

ATMEGA64L-8AU Tech Specifications

ATMEGA64L-8AU - 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-TQFP (14x14)	Number of I/O	53
Speed	8MHz	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	I ² C, SPI, UART/USART
Package / Case	64-TQFP	Base Product Number	ATMEGA64
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA64L-8AU

Product Attribute				
Part Number	ATMEGA64L-8AU	ATMEGA64C1-15MD	ATMEGA64A-MU	ATMEGA64A-AU
Manufacturer	Microchip Technology	Atmel	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Package / Case	64-TQFP	32-VQFN Exposed Pad	64-VFQFN Exposed Pad	64-TQFP
Core Processor	AVR	AVR	AVR	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Size	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)
Data Converters	A/D 8x10b	A/D 11x10b; D/A 1x10b	A/D 8x10b	A/D 8x10b
Series	AVR® ATmega	Automotive, AEC-Q100, AVR® ATmega	AVR® ATmega	AVR® ATmega
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 150°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	8MHz	16MHz	16MHz	16MHz
Supplier Device Package	64-TQFP (14x14)	32-QFN (7x7)	64-QFN (9x9)	64-TQFP (14x14)
Package	Tray	Bulk	Tray	Tray
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Connectivity	I ² C, SPI, UART/USART	CANbus, LINbus, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART
Number of I/O	53	-	53	53
Base Product Number	ATMEGA64	ATMEGA64	ATMEGA64	ATMEGA64

ATMEGA64L-8AU Datasheet PDF

Download ATMEGA64L-8AU pdf datasheets and Microchip Technology documentation for ATMEGA64L-8AU - Microchip Technology.

Datasheets

ATmega64,L.pdf


ATmega64(L) Summary.pdf

PCN Packaging

Boxes 07/Dec/2016.pdf

New Packing Material 02/Aug/2019.pdf

PCN Design/Specification


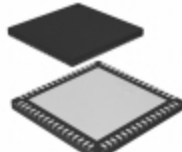



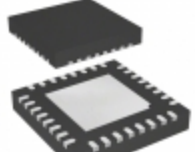


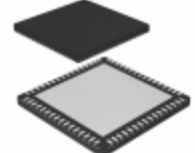

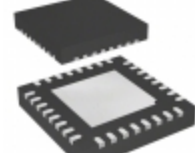
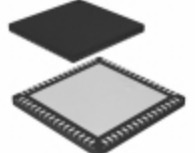

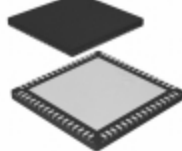




 Marking Chgs 11/Jul/2017.pdf

PCN Assembly/Origin

 Fab Site 28/Jan/2021.pdf

Customers Also Interested in

Recommended Products

					
ATMEGA64C1-15MD Atmel IC MCU 8BIT 64KB FLASH 32QFN	ATMEGA64A-MU Microchip Technology IC MCU 8BIT 64KB FLASH 64QFN	ATMEGA64A-AU Microchip Technology IC MCU 8BIT 64KB FLASH 64TQFP	ATMEGA64L-16AU Atmel (Microchip Technology)	ATMEGA64M1-15AZ Microchip Technology IC MCU 8BIT 64KB FLASH 32TQFP	ATMEGA64C1-15MD Microchip Technology IC MCU 8BIT 64KB FLASH 32QFN
					
ATMEGA64A-MUR Atmel IC MCU 8BIT 64KB FLASH 64QFN	ATMEGA8-16AI Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA64L-8MU Microchip Technology IC MCU 8BIT 64KB FLASH 64QFN	ATMEGA8-16AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA64M1-15MD Microchip Technology IC MCU 8BIT 64KB FLASH 32QFN	ATMEGA64L-8MI Microchip Technology IC MCU 8BIT 64KB FLASH 64QFN
					
ATMEGA64C1-15AZ Microchip Technology IC MCU 8BIT 64KB FLASH 32TQFP	ATMEGA64A-MUR Microchip Technology IC MCU 8BIT 64KB FLASH 64QFN	ATMEGA64C1-15AD Microchip Technology IC MCU 8BIT 64KB FLASH 32TQFP	ATMEGA8-16AI Atmel IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA64M1-15AD Microchip Technology IC MCU 8BIT 64KB FLASH 32TQFP	ATMEGA64L-8MI Atmel IC MCU 8BIT 64KB FLASH 64QFN

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 -

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Efficient Supply Management | 
Cost-Saving Procurement | 
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Contact us if you have any questions.

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Certifications & Memberships



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