



Image may be representation.
See specifications for product details.



ATMEGA808-AUR

Manufacturer Part Number	ATMEGA808-AUR
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA808-AUR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 8KB FLASH 32TQFP
Package	32-TQFP
Data sheet	ATmega808/809/1608/1609.pdf megaAVR® 0-Series Family.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA808-AUR - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA808-AUR datasheet/specifications on AllelcoElec.com.
Request a quote for ATMEGA808-AUR, please send us email: info@allelco.com

Specifications

ATMEGA808-AUR Tech Specifications
ATMEGA808-AUR - 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 ~ 85°C (TA)
Supplier Device Package	32-TQFP (7x7)	Number of I/O	27
Speed	20MHz	Mounting Type	Surface Mount
Series	megaAVR® 0, Functional Safety (FuSa)	EEPROM Size	256 x 8
RAM Size	1K x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	8KB (8K x 8)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, WDT	Connectivity	I ² C, SPI, UART/USART
Package / Case	32-TQFP	Base Product Number	ATMEGA808
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA808-AUR

Product Attribute				
Part Number	ATMEGA808-AUR	ATMEGA8-16MUR	ATMEGA8515-16AI	ATMEGA8515-16AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Atmel
EEPROM Size	256 x 8	512 x 8	512 x 8	512 x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	ATMEGA808	ATMEGA8	ATMEGA8515	ATMEGA8515
Speed	20MHz	16MHz	16MHz	16MHz
Data Converters	A/D 12x10b	A/D 8x10b	-	-
Package / Case	32-TQFP	32-VFQFN Exposed Pad	44-TQFP	44-TQFP
Program Memory Size	8KB (8K x 8)	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	megaAVR® 0, Functional Safety (FuSa)	AVR® ATmega	AVR® ATmega	AVR® ATmega
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Bulk
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	EBI/EMI, SPI, UART/USART	EBI/EMI, SPI, UART/USART
Number of I/O	27	23	35	35
Supplier Device Package	32-TQFP (7x7)	32-VQFN (5x5)	44-TQFP (10x10)	44-TQFP (10x10)
RAM Size	1K x 8	1K x 8	512 x 8	512 x 8
Peripherals	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Core Processor	AVR	AVR	AVR	AVR

ATMEGA808-AUR Datasheet PDF

Download ATMEGA808-AUR pdf datasheets and Microchip Technology documentation for ATMEGA808-AUR - Microchip Technology.

Datasheets


[ATmega808/809/1608/1609.pdf](#)

[megaAVR® 0-Series Family.pdf](#)

PCN Design/Specification

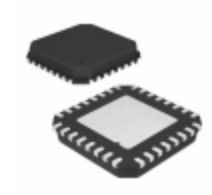

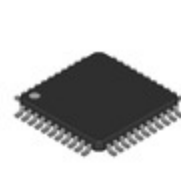




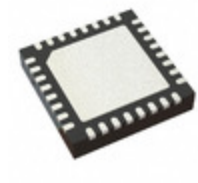






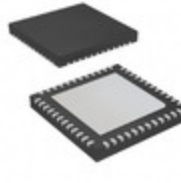

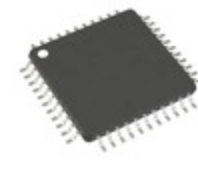

[ATmega808/809/1608/1609 19/Mar/2021.pdf](#)

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 Mold Compound Material 03/Feb/2022.pdf

Customers Also Interested in

Recommended Products

					
ATMEGA8-16MUR Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	ATMEGA8515-16AI Microchip Technology IC MCU 8BIT 8KB FLASH 44TQFP	ATMEGA8515-16AU Atmel IC MCU 8BIT 8KB FLASH 44TQFP	ATMEGA8-16MU Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	ATMEGA808-AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA8-16AU Atmel IC MCU 8BIT 8KB FLASH 32TQFP
					
ATMEGA8-16AUR Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA808-MUR Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	ATMEGA8-16AUR Atmel IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA8515-16AUR Atmel IC MCU 8BIT 8KB FLASH 44TQFP	ATMEGA808-XUR Microchip Technology IC MCU 8BIT 8KB FLASH 28SSOP	ATMEGA8515-16AUR Microchip Technology IC MCU 8BIT 8KB FLASH 44TQFP
					
ATMEGA8-16PI Microchip Technology IC MCU 8BIT 8KB FLASH 28DIP	ATMEGA8-16PI Atmel IC MCU 8BIT 8KB FLASH 28DIP	ATMEGA809-MF Microchip Technology IC MCU 8BIT 8KB FLASH 48VQFN	ATMEGA8-16PU Microchip Technology IC MCU 8BIT 8KB FLASH 28DIP	ATMEGA8515-16AU Microchip Technology IC MCU 8BIT 8KB FLASH 44TQFP	ATMEGA8-16AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP

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
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Contact us if you have any questions.

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