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See specifications for product details.



ATMEGA88-20AU

Manufacturer Part Number	ATMEGA88-20AU
Manufacturer	Atmel
Allelco Part Number	32D-ATMEGA88-20AU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 8KB FLASH 32TQFP
Package	32-TQFP
Data sheet	ATMEGA88-20AU.pdf

Get a Quote

ATMEGA88-20AU - Atmel.New Original in Stock. Download Linear Technology ATMEGA88-20AU datasheet/specifications on AllelcoElec.com.
Request a quote for ATMEGA88-20AU, please send us email: info@allelco.com

Specifications

ATMEGA88-20AU Tech Specifications
ATMEGA88-20AU - Atmel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Atmel	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	32-TQFP (7x7)	Number of I/O	23
Speed	20MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	512 x 8
RAM Size	1K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	8KB (4K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I ² C, SPI, UART/USART
Package / Case	32-TQFP	Base Product Number	ATMEGA88
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATMEGA88-20AU

Product Attribute				
Part Number	ATMEGA88-20AU	ATMEGA88-20AU	ATMEGA88-20AUR	ATMEGA8535L-8PU
Manufacturer	Atmel	Microchip Technology	Atmel	Microchip Technology
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	23	23	23	32
Package / Case	32-TQFP	32-TQFP	32-TQFP	40-DIP (0.600", 15.24mm)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Size	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)
Supplier Device Package	32-TQFP (7x7)	32-TQFP (7x7)	32-TQFP (7x7)	40-PDIP
Core Processor	AVR	AVR	AVR	AVR
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
RAM Size	1K x 8	1K x 8	1K x 8	512 x 8
Base Product Number	ATMEGA88	ATMEGA88	ATMEGA88	ATMEGA8535
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package	Bulk	Tray	Bulk	Tube
Speed	20MHz	20MHz	20MHz	8MHz

Customers Also Interested in

Recommended Products



ATMEGA88-20AU

Microchip Technology
IC MCU 8BIT 8KB FLASH 32TQFP

ATMEGA88-20AUR

Atmel
IC MCU 8BIT 8KB FLASH 32TQFP

ATMEGA8535L-8PU

Microchip Technology
IC MCU 8BIT 8KB FLASH 40DIP

ATMEGA88-15AZ

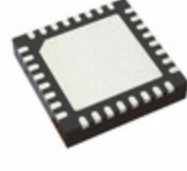
Microchip Technology
IC MCU 8BIT 8KB FLASH 32TQFP

ATMEGA88-15AT

Microchip Technology
IC MCU 8BIT 8KB FLASH 32TQFP

ATMEGA88-20MU

Microchip Technology
IC MCU 8BIT 8KB FLASH 32VQFN

**ATMEGA88A-AU**Microchip Technology
IC MCU 8BIT 8KB FLASH 32TQFP**ATMEGA88-15MZ**Atmel
IC MCU 8BIT 8KB FLASH 32QFN**ATMEGA88-20PU**Microchip Technology
IC MCU 8BIT 8KB FLASH 28DIP**ATMEGA88-20AI**Microchip Technology
IC MCU 8BIT 8KB FLASH 32TQFP**ATMEGA88-15AT1**Microchip Technology
IC MCU 8BIT 8KB FLASH 32TQFP**ATMEGA88-20MUR**Microchip Technology
IC MCU 8BIT 8KB FLASH 32VQFN**ATMEGA88A-MMH**Microchip Technology
IC MCU 8BIT 8KB FLASH 28VQFN**ATMEGA88-15MT1**Microchip Technology
IC MCU 8BIT 8KB FLASH 32QFN**ATMEGA88-15MZ**Microchip Technology
IC MCU 8BIT 8KB FLASH 32QFN**ATMEGA88-15MT**Atmel
IC MCU 8BIT 8KB FLASH 32QFN**ATMEGA88-20AUR**Microchip Technology
IC MCU 8BIT 8KB FLASH 32TQFP**ATMEGA88-20PI**Microchip Technology
IC MCU 8BIT 8KB FLASH 28DIP

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

Contact us if you have any questions.

- Phone
+00852 9146 4856
- Email
info@allelco.com

Certifications & Memberships



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Contact us

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