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See specifications for product details.



ATMEGA88-20AI

Manufacturer Part Number	ATMEGA88-20AI
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA88-20AI
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 8KB FLASH 32TQFP
Package	32-TQFP
Data sheet	ATMEGA48,88,168(V) Datasheet.pdf ATMEGA48/88/168(V) Complete.pdf

Get a Quote

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

Specifications

ATMEGA88-20AI Tech Specifications

ATMEGA88-20AI - 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	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	I²C, SPI, UART/USART
Package / Case	32-TQFP	Base Product Number	ATMEGA88
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA88-20AI

Product Attribute				
Part Number	ATMEGA88-20AI	ATMEGA88-15MZ	ATMEGA88-20MUR	ATMEGA88-20AUR
Manufacturer	Microchip Technology	Atmel	Microchip Technology	Atmel
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Processor	AVR	AVR	AVR	AVR
Package / Case	32-TQFP	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-TQFP
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Number of I/O	23	23	23	23
Speed	20MHz	16MHz	20MHz	20MHz
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package	Tray	Bulk	Tape & Reel (TR)	Bulk
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Base Product Number	ATMEGA88	ATMEGA88	ATMEGA88	ATMEGA88
Program Memory Size	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)
Oscillator Type	Internal	Internal	Internal	Internal
Series	AVR® ATmega	Automotive, AEC-Q100, AVR® ATmega	AVR® ATmega	AVR® ATmega
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	32-TQFP (7x7)	32-QFN (5x5)	32-VQFN (5x5)	32-TQFP (7x7)
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
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

ATMEGA88-20AI Datasheet PDF

Download ATMEGA88-20AI pdf datasheets and Microchip Technology documentation for ATMEGA88-20AI - Microchip Technology.

PCN Packaging

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

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)



















HTML Datasheet

[ATMEGA48,88,168\(V\) Datasheet.pdf](#)

[ATMEGA48/88/168\(V\) Complete.pdf](#)

Customers Also Interested in

Recommended Products

					
ATMEGA88-15MZ Atmel IC MCU 8BIT 8KB FLASH 32QFN	ATMEGA88-20MUR Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	ATMEGA88-20AUR Atmel IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-20AU Atmel IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA8535L-8MUR Atmel IC MCU 8BIT 8KB FLASH 44VQFN	ATMEGA8535L-8PU Microchip Technology IC MCU 8BIT 8KB FLASH 40DIP
					
ATMEGA88-20PU Microchip Technology IC MCU 8BIT 8KB FLASH 28DIP	ATMEGA88-15MT Atmel IC MCU 8BIT 8KB FLASH 32QFN	ATMEGA88-15AT1 Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-20AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-15AZ Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-20PI Microchip Technology IC MCU 8BIT 8KB FLASH 28DIP
					
ATMEGA88-20AUR Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-15MZ Microchip Technology IC MCU 8BIT 8KB FLASH 32QFN	ATMEGA88-15AT Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-15MT1 Microchip Technology IC MCU 8BIT 8KB FLASH 32QFN	ATMEGA88-20MU Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	ATMEGA88A-AU 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

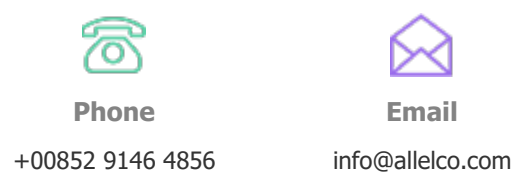
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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