



Image may be representation.
See specifications for product details.



ATTINY88-AU

Manufacturer Part Number	ATTINY88-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATTINY88-AU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 8KB FLASH 32TQFP
Package	32-TQFP
Data sheet	ATTINY48/88 Appl Notes.pdf ATTINY48/88 Complete.pdf ATTINY48/88 Summary.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATTINY88-AU - Microchip Technology. New Original in Stock. Download Linear Technology ATTINY88-AU datasheet/specifications on AllelcoElec.com.
Request a quote for ATTINY88-AU, please send us email: info@allelco.com

Specifications

ATTINY88-AU Tech Specifications
ATTINY88-AU - 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	28
Speed	12MHz	Mounting Type	Surface Mount
Series	AVR® ATTiny	EEPROM Size	64 x 8
RAM Size	512 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, WDT	Connectivity	I²C, SPI
Package / Case	32-TQFP	Base Product Number	ATTINY88
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATTINY88-AU

Product Attribute				
Part Number	ATTINY88-AU	ATTINY88-MMU	ATTINY87-SU	ATTINY88-15AZ
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	64 x 8	64 x 8	512 x 8	64 x 8
Core Processor	AVR	AVR	AVR	AVR
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package	Tray	Tray	Tube	Tape & Reel (TR)
Base Product Number	ATTINY88	ATTINY88	ATTINY87	ATTINY88
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Supplier Device Package	32-TQFP (7x7)	28-VQFN (4x4)	20-SOIC	32-TQFP (7x7)
Speed	12MHz	12MHz	16MHz	16MHz
Data Converters	A/D 8x10b	A/D 6x10b	A/D 11x10b	A/D 8x10b
RAM Size	512 x 8	512 x 8	512 x 8	512 x 8
Connectivity	I²C, SPI	I²C, SPI	I²C, LINbus, SPI, UART/USART, USI	I²C, SPI
Series	AVR® ATTiny	AVR® ATTiny	AVR® ATTiny	Automotive, AEC-Q100, AVR® ATTiny
Peripherals	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	Brown-out Detect/Reset, POR, WDT
Number of I/O	28	24	16	28
Package / Case	32-TQFP	28-VFQFN Exposed Pad	20-SOIC (0.295", 7.50mm Width)	32-TQFP
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	2.7V ~ 5.5V
Program Memory Size	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)

ATTINY88-AU Datasheet PDF

Download ATTINY88-AU pdf datasheets and Microchip Technology documentation for ATTINY88-AU - Microchip Technology.

Datasheets

- [ATTINY48/88 Appl Notes.pdf](#)
- [ATTINY48/88 Complete.pdf](#)
- [ATTINY48/88 Summary.pdf](#)

PCN Packaging

PCN Design/Specification


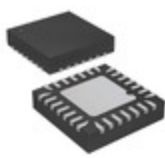












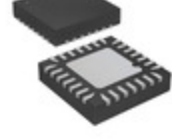


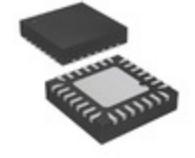
Marking Chgs 11/Jul/2017.pdf

PCN Assembly/Origin

Bond Wire 19/Mar/2021.pdf

Customers Also Interested in

Recommended Products

					
ATTINY88P-15MZ Atmel (Microchip Technology)	ATTINY88-MMU Microchip Technology IC MCU 8BIT 8KB FLASH 28VQFN	ATTINY87-SU Microchip Technology IC MCU 8BIT 8KB FLASH 20SOIC	ATTINY88-15AZ Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATTINY88-AUR Atmel IC MCU 8BIT 8KB FLASH 32TQFP	ATTINY88-AUR Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP
					
ATTINY87-XU Microchip Technology IC MCU 8BIT 8KB FLASH 20TSSOP	ATTINY87-A15SZ Atmel IC MCU 8BIT 8KB FLASH 20SOIC	ATTINY88-15AZ Atmel IC MCU 8BIT 8KB FLASH 32TQFP	ATTINY87-MU Atmel IC MCU 8BIT 8KB FLASH 32VQFN	ATTINY87-AXZ Atmel (Microchip Technology)	ATTINY87-A15SZ Microchip Technology IC MCU 8BIT 8KB FLASH 20SOIC
					
ATTINY88-MU Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	ATTINY88-MUR Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	ATTINY88-MMHR Microchip Technology IC MCU 8BIT 8KB FLASH 28VQFN	ATTINY88-15MZ Microchip Technology IC MCU 8BIT 8KB FLASH 32QFN	ATTINY87-MU Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	ATTINY88-MMH Microchip Technology IC MCU 8BIT 8KB FLASH 28VQFN

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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Certifications & Memberships



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