

Image may be representation.  
See specifications for product details.



## ATTINY88-MMHR

Manufacturer Part Number	<b>ATTINY88-MMHR</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATTINY88-MMHR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 8KB FLASH 28VQFN
Package	28-VQFN Exposed Pad
Data sheet	<a href="#">ATTINY48 / 88 Appl Notes.pdf</a> <a href="#">ATTINY48 / 88 Complete.pdf</a> <a href="#">ATTINY48 / 88 Summary.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

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

### Specifications

ATTINY88-MMHR Tech Specifications

ATTINY88-MMHR - 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	28-VQFN (4x4)	Number of I/O	24
Speed	12MHz	Mounting Type	Surface Mount
Series	AVR® ATtiny	EEPROM Size	64 x 8
RAM Size	512 x 8	Data Converters	A/D 6x10b
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	28-VQFN Exposed Pad	Base Product Number	ATTINY88
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

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

Product Attribute				
Part Number	ATTINY88-MMHR	ATTINY9-TS8R	ATTINY88-MU	ATTINY87-SU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Size	8KB (4K x 16)	1KB (512 x 16)	8KB (4K x 16)	8KB (4K x 16)
Series	AVR® ATtiny	AVR® ATtiny	AVR® ATtiny	AVR® ATtiny
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tube
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	28-VQFN Exposed Pad	SOT-23-6	32-VQFN Exposed Pad	20-SOIC (0.295", 7.50mm Width)
Connectivity	I²C, SPI	-	I²C, SPI	I²C, LINbus, SPI, UART/USART, USI
Data Converters	A/D 6x10b	-	A/D 8x10b	A/D 11x10b
Speed	12MHz	10MHz	12MHz	16MHz
EEPROM Size	64 x 8	-	64 x 8	512 x 8
Supplier Device Package	28-VQFN (4x4)	SOT-23-6	32-VQFN (5x5)	20-SOIC
Core Processor	AVR	AVR	AVR	AVR
RAM Size	512 x 8	32 x 8	512 x 8	512 x 8
Number of I/O	24	4	28	16
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	Brown-out Detect/Reset, POR, WDT	POR, PWM, WDT	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Base Product Number	ATTINY88	ATTINY9	ATTINY88	ATTINY87

### ATTINY88-MMHR Datasheet PDF

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

#### Datasheets

ATTINY48/88 Complete.pdf

#### PCN Packaging

Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf

Tape and Reel Label Update 10/Feb/2015.pdf

### PCN Design/Specification

Cylindrical Battery Holders.pdf

### PCN Other

2.73KHz.pdf

### PCN Assembly/Origin

2.73KHz.pdf

### HTML Datasheet

ATTINY48/88 Appl Notes.pdf

ATTINY48/88 Summary.pdf

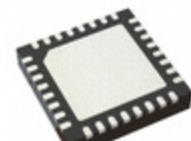
## Customers Also Interested in

### Recommended Products



#### ATTINY9-TS8R

Microchip Technology  
IC MCU 8BIT 1KB FLASH SOT23-6



#### ATTINY88-MU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32VQFN



#### ATTINY87-SU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 20SOIC



#### ATTINY88-15MZ

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32VFN



#### ATTINY9-TSHR

Microchip Technology  
IC MCU 8BIT 1KB FLASH SOT23-6



#### ATTINY88-15AZ

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32TQFP



#### ATTINY88P-15MZ

Atmel (Microchip Technology)



#### ATTINY88-AUR

Atmel  
IC MCU 8BIT 8KB FLASH 32TQFP



#### ATTINY88V

Atmel (Microchip Technology)



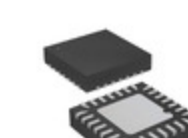
#### ATTINY88-MUR

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32VFN



#### ATTINY88-AUR

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32TQFP



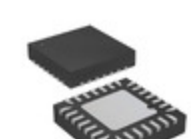
#### ATTINY88-MMU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 28VQFN



#### ATTINY87-XU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 20TSSOP



#### ATTINY88-MMH

Microchip Technology  
IC MCU 8BIT 8KB FLASH 28VQFN



#### ATTINY88-15AZ

Atmel  
IC MCU 8BIT 8KB FLASH 32TQFP



#### ATTINY9-TSHR

Atmel  
IC MCU 8BIT 1KB FLASH SOT23-6



#### ATTINY87-MU

Atmel  
IC MCU 8BIT 8KB FLASH 32VQFN



#### ATTINY88-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 -



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



View More

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: [info@Alleco.com](mailto:info@Alleco.com)