

Image may be representation.  
See specifications for product details.



## ATTINY4313-MMH

Manufacturer Part Number	<b>ATTINY4313-MMH</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATTINY4313-MMH
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 4KB FLASH 20VQFN
Package	20-VFQFN Exposed Pad
Data sheet	<a href="#">ATTINY2313A,4313 Summary.pdf</a> <a href="#">ATTINY2313A/4313 Datasheet.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATTINY4313-MMH - Microchip Technology, New Original in Stock. Download Linear Technology ATTINY4313-MMH datasheet/specifications on AllelcoElec.com.  
Request a quote for ATTINY4313-MMH, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATTINY4313-MMH Tech Specifications  
ATTINY4313-MMH - 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	20-VQFN (3x3)	Number of I/O	18
Speed	20MHz	Mounting Type	Surface Mount
Series	AVR® ATtiny	EEPROM Size	256 x 8
RAM Size	256 x 8	Data Converters	-
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	4KB (2K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, SPI, UART/USART
Package / Case	20-VFQFN Exposed Pad	Base Product Number	ATTINY4313
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATTINY4313-MMH

Product Attribute				
Part Number	ATTINY4313-MMH	<a href="#">ATTINY4313-MMHR</a>	<a href="#">ATTINY416-SNR</a>	<a href="#">ATTINY416-MZT-VAO</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	ATTINY4313	ATTINY4313	ATTINY416	ATTINY416
Program Memory Size	4KB (2K x 16)	4KB (2K x 16)	4KB (4K x 8)	4KB (4K x 8)
RAM Size	256 x 8	256 x 8	256 x 8	256 x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)
Core Processor	AVR	AVR	AVR	AVR
Package / Case	20-VFQFN Exposed Pad	20-VFQFN Exposed Pad	20-SOIC (0.295", 7.50mm Width)	20-VFQFN Exposed Pad
Speed	20MHz	20MHz	20MHz	16MHz
Supplier Device Package	20-VQFN (3x3)	20-VQFN (3x3)	20-SOIC	20-VQFN (3x3)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	2.7V ~ 5.5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Number of I/O	18	18	18	18
Data Converters	-	-	A/D 12x10b; D/A 1x8b	A/D 12x10b; D/A 1x8b
Series	AVR® ATtiny	AVR® ATtiny	tinyAVR™ 1, Functional Safety (FuSa)	Automotive, AEC-Q100, tinyAVR™ 1, Functional Safety (FuSa)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, WDT
EEPROM Size	256 x 8	256 x 8	128 x 8	128 x 8

### ATTINY4313-MMH Datasheet PDF

Download ATTINY4313-MMH pdf datasheets and Microchip Technology documentation for ATTINY4313-MMH - Microchip Technology.

#### Datasheets

[ATTINY2313A,4313 Summary.pdf](#)

[ATTINY2313A/4313 Datasheet.pdf](#)

#### PCN Packaging

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

[Boxes 07/Dec/2016.pdf](#)

## PCN Design/Specification



Marking Chgs 11/Jul/2017.pdf



Multiple Devices Copper Wire 20/Aug/2013.pdf

## PCN Other



2.73KHz.pdf

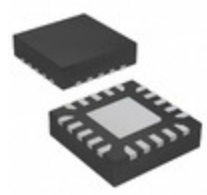
## PCN Assembly/Origin



2.73KHz.pdf

## Customers Also Interested in

### Recommended Products



#### ATTINY4313-MMHR

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20VQFN



#### ATTINY416-SNR

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20SOIC



#### ATTINY416-MZT-VAO

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20VQFN



#### ATTINY4313-SUR

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20SOIC



#### ATTINY43U-SU

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20SOIC



#### ATTINY44-15SSZ

Microchip Technology  
IC MCU 8BIT 4KB FLASH 14SOIC



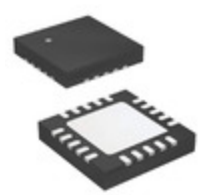
#### ATTINY417-MNR

Microchip Technology  
IC MCU 8BIT 4KB FLASH 24VQFN



#### ATTINY4313-PU

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20DIP



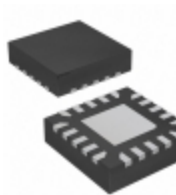
#### ATTINY4313-MUR

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20QFN



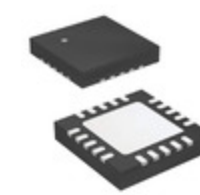
#### ATTINY414-SSFR

Microchip Technology  
IC MCU 8BIT 4KB FLASH 14SOIC



#### ATTINY416-MNR

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20VQFN



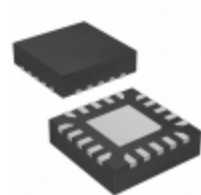
#### ATTINY43U-MU

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20QFN



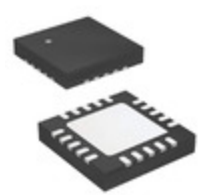
#### ATTINY4313-SU

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20SOIC



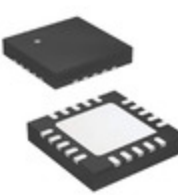
#### ATTINY416-MFR

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20VQFN



#### ATTINY4313-MU

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20QFN



#### ATTINY44-15MZ

Microchip Technology  
IC MCU 8BIT 4KB FLASH 20WQFN



#### ATTINY414-SSN

Microchip Technology  
IC MCU 8BIT 4KB FLASH 14SOIC



#### ATTINY414-SSNR

Microchip Technology  
IC MCU 8BIT 4KB FLASH 14SOIC

## 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

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## Certifications & Memberships



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