

Image may be representation.  
See specifications for product details.



## ATTINY817-MNR

Manufacturer Part Number	<b>ATTINY817-MNR</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATTINY817-MNR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 8KB FLASH 24QFN
Package	24-VFQFN Exposed Pad
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATTINY817-MNR - Microchip Technology. New Original in Stock. Download Linear Technology ATTINY817-MNR datasheet/specifications on AllelcoElec.com. Request a quote for ATTINY817-MNR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATTINY817-MNR Tech Specifications  
ATTINY817-MNR - 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 ~ 105°C (TA)
Supplier Device Package	24-QFN (4x4)	Number of I/O	22
Speed	20MHz	Mounting Type	Surface Mount
Series	tinyAVR™ 1, Functional Safety (FuSa)	EEPROM Size	128 x 8
RAM Size	512 x 8	Data Converters	A/D 12x10b; D/A 1x8b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	8KB (8K x 8)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	24-VFQFN Exposed Pad	Base Product Number	ATTINY817
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATTINY817-MNR

Product Attribute				
Part Number	ATTINY817-MNR	<b>ATTINY828-MUR</b>	<b>ATTINY817-MFR</b>	<b>ATTINY826-XU</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	tinyAVR™ 1, Functional Safety (FuSa)	AVR® ATtiny	tinyAVR™ 1, Functional Safety (FuSa)	tinyAVR® 2
Number of I/O	22	28	22	18
Data Converters	A/D 12x10b; D/A 1x8b	A/D 28x10b	A/D 12x10b; D/A 1x8b	A/D 15x12b
Speed	20MHz	20MHz	16MHz	20MHz
Package / Case	24-VFQFN Exposed Pad	32-VFQFN Exposed Pad	24-VFQFN Exposed Pad	20-SSOP (0.209", 5.30mm Width)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	8KB (8K x 8)	8KB (8K x 8)	8KB (8K x 8)	8KB (8K x 8)
Base Product Number	ATTINY817	ATTINY828	ATTINY817	ATTINY826
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, SPI, UART/USART
EEPROM Size	128 x 8	256 x 8	128 x 8	128 x 8
Peripherals	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Supplier Device Package	24-QFN (4x4)	32-VQFN (5x5)	24-QFN (4x4)	20-SSOP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.7V ~ 5.5V	2.7V ~ 5.5V	1.8V ~ 5.5V
RAM Size	512 x 8	512 x 8	512 x 8	1K x 8
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Core Processor	AVR	AVR	AVR	AVR

### ATTINY817-MNR Datasheet PDF

Download ATTINY817-MNR pdf datasheets and Microchip Technology documentation for ATTINY817-MNR - Microchip Technology.

#### Datasheets

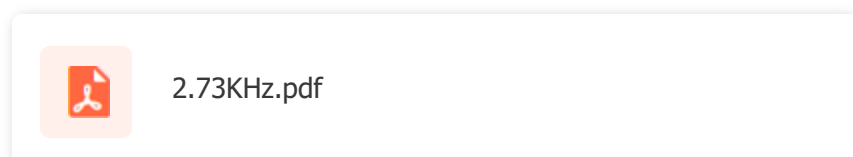
[Cylindrical Battery Holders.pdf](#)

#### PCN Packaging

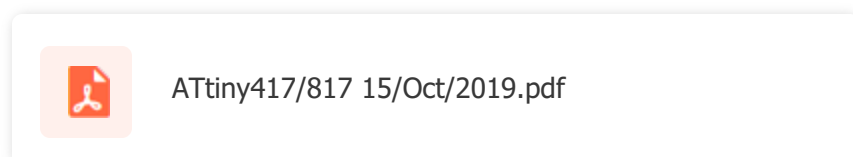
[MBB/Label Chgs 16/Nov/2018.pdf](#)

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

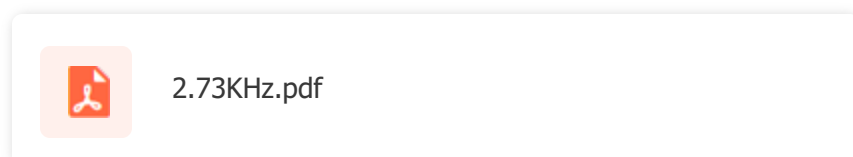
## Errata



## PCN Design/Specification


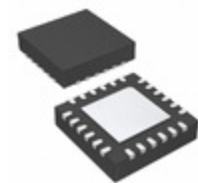

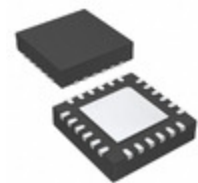



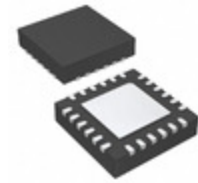
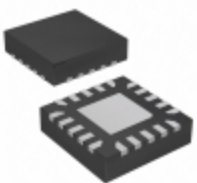
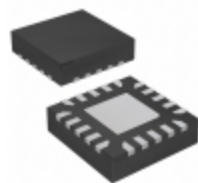






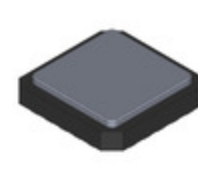



## PCN Assembly/Origin



## Customers Also Interested in

### Recommended Products

					
<b>ATTINY828-MUR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	<b>ATTINY817-MFR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 24QFN	<b>ATTINY826-XU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20SSOP	<b>ATTINY817-MN</b> Microchip Technology IC MCU 8BIT 8KB FLASH 24QFN	<b>ATTINY826-XF</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20SSOP	<b>ATTINY84-20SSU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 14SOIC
					
<b>ATTINY814-SSN</b> Microchip Technology IC MCU 8BIT 8KB FLASH 14SOIC	<b>ATTINY817-MF</b> Microchip Technology IC MCU 8BIT 8KB FLASH 24QFN	<b>ATTINY816-MNR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20QFN	<b>ATTINY816-MFR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20QFN	<b>ATTINY84-15MZ</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20QFN	<b>ATTINY814-SSNR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 14SOIC
					
<b>ATTINY828-AU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	<b>ATTINY84-20MU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20QFN	<b>ATTINY826-XFR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20SSOP	<b>ATTINY814-SSFR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 14SOIC	<b>ATTINY84-20MU</b> Atmel IC MCU 8BIT 8KB FLASH 20QFN	<b>ATTINY816-SNR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20SOIC

## 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.

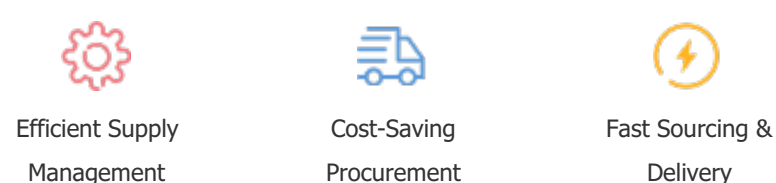
Contact us if you have any questions.

### 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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