

Image may be representation.
See specifications for product details.



ATTINY1616-MNR

Manufacturer Part Number	ATTINY1616-MNR
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATTINY1616-MNR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 16KB FLASH 20VQFN
Package	20-VFQFN Exposed Pad
Data sheet	ATTiny1614/16/17.pdf ATTiny1614/16/17.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATTINY1616-MNR - Microchip Technology. New Original in Stock. Download Linear Technology ATTINY1616-MNR datasheet/specifications on AllelcoElec.com.
Request a quote for ATTINY1616-MNR, please send us email: info@allelco.com

Specifications

ATTINY1616-MNR Tech Specifications
ATTINY1616-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	20-VQFN (3x3)	Number of I/O	18
Speed	20MHz	Mounting Type	Surface Mount
Series	tinyAVR™ 1, Functional Safety (FuSa)	EEPROM Size	256 x 8
RAM Size	2K x 8	Data Converters	A/D 20x10b; D/A 3x8b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (16K x 8)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	20-VFQFN Exposed Pad	Base Product Number	ATTINY1616
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATTINY1616-MNR

Product Attribute				
Part Number	ATTINY1616-MNR	ATTINY1616-SNR	ATTINY1617-MFR	ATTINY1616-MBT-VAO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Oscillator Type	Internal	Internal	Internal	Internal
Number of I/O	18	18	22	18
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	20-VFQFN Exposed Pad	20-SOIC (0.295", 7.50mm Width)	24-VFQFN Exposed Pad	20-VFQFN Exposed Pad
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Series	tinyAVR™ 1, Functional Safety (FuSa)	tinyAVR™ 1, Functional Safety (FuSa)	tinyAVR™ 1, Functional Safety (FuSa)	Automotive, AEC-Q100, tinyAVR™ 1, Functional Safety (FuSa)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Speed	20MHz	20MHz	16MHz	16MHz
Data Converters	A/D 20x10b; D/A 3x8b	A/D 20x10b; D/A 3x8b	A/D 24x10b; D/A 3x8b	A/D 20x10b; D/A 3x8b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	20-VQFN (3x3)	20-SOIC	24-VQFN (4x4)	20-VQFN (3x3)
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)
Core Processor	AVR	AVR	AVR	AVR
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Program Memory Size	16KB (16K x 8)	16KB (16K x 8)	16KB (16K x 8)	16KB (16K x 8)
Base Product Number	ATTINY1616	ATTINY1616	ATTINY1617	ATTINY1616
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

ATTINY1616-MNR Datasheet PDF

Download ATTINY1616-MNR pdf datasheets and Microchip Technology documentation for ATTINY1616-MNR - Microchip Technology.

Datasheets

[ATTiny1614/16/17.pdf](#)

PCN Design/Specification

[Marking Chgs 11/Jul/2017.pdf](#)

[ATTiny1616/3216 05/Jul/2019.pdf](#)

HTML Datasheet





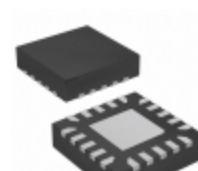













 ATtiny1614/16/17.pdf

PCN Assembly/Origin

 Mult Devices Fab Site 22/Mar/2018.pdf

Customers Also Interested in

Recommended Products

					
ATTINY1616-SNR Microchip Technology IC MCU 8BIT 16KB FLASH 20SOIC	ATTINY1617-MFR Microchip Technology IC MCU 8BIT 16KB FLASH 24VQFN	ATTINY1616-MZ Atmel (Microchip Technology)	ATTINY1616-MBT-VAO Microchip Technology IC MCU 8BIT 16KB FLASH 20VQFN	ATTINY1616-MFR Microchip Technology IC MCU 8BIT 16KB FLASH 20VQFN	ATTINY1614N Atmel (Microchip Technology)
					
ATTINY1616-MZT-VAO Microchip Technology IC MCU 8BIT 16KB FLASH 20VQFN	ATTINY1614-SSFR Microchip Technology IC MCU 8BIT 16KB FLASH 14SOIC	ATTINY1616-SFR Microchip Technology IC MCU 8BIT 16KB FLASH 20SOIC	ATTINY1607-MFR Microchip Technology IC MCU 8BIT 16KB FLASH 24VQFN	ATTINY1616-MB Atmel (Microchip Technology)	ATTINY1607-MF Microchip Technology IC MCU 8BIT 16KB FLASH 24VQFN
					
ATTINY1617-MB Atmel (Microchip Technology)	ATTINY1617-MF Microchip Technology IC MCU 8BIT 16KB FLASH 24VQFN	ATTINY1616-SN Microchip Technology IC MCU 8BIT 16KB FLASH 20SOIC	ATTINY1607-MN Microchip Technology IC MCU 8BIT 16KB FLASH 24VQFN	ATTINY1607-MNR Microchip Technology IC MCU 8BIT 16KB FLASH 24VQFN	ATTINY1614-SSNR Microchip Technology IC MCU 8BIT 16KB 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

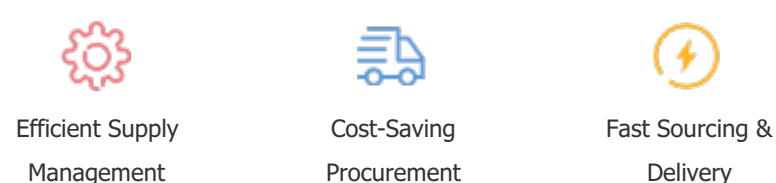
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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