

Image may be representation.
See specifications for product details.



ATTINY1606-MFR

Manufacturer Part Number **ATTINY1606-MFR**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-ATTINY1606-MFR**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 8BIT 16KB FLASH 20VQFN**

Package **20-VFQFN Exposed Pad**

Data sheet **ATTiny804/806/807/1604/1606/1607.pdf**

RoHs Status **ROHS3 Compliant**

Get a Quote

ATTINY1606-MFR - Microchip Technology. New Original in Stock. Download Linear Technology ATTINY1606-MFR datasheet/specifications on AllelcoElec.com.
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Specifications

ATTINY1606-MFR Tech Specifications

ATTINY1606-MFR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	20-VQFN (3x3)	Number of I/O	18
Speed	16MHz	Mounting Type	Surface Mount
Series	tinyAVR™ 0, Functional Safety (FuSa)	EEPROM Size	256 x 8
RAM Size	1K x 8	Data Converters	A/D 12x10b
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	I ² C, SPI, UART/USART
Package / Case	20-VFQFN Exposed Pad	Base Product Number	ATTINY1606
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATTINY1606-MFR

Product Attribute				
Part Number	ATTINY1606-MFR	ATTINY15L-1SI	ATTINY1607-MFR	ATTINY1606-SFR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
RAM Size	1K x 8	-	1K x 8	1K x 8
Supplier Device Package	20-VQFN (3x3)	8-SOIC	24-VQFN (4x4)	20-SOIC
Core Processor	AVR	AVR	AVR	AVR
Number of I/O	18	6	22	18
Package / Case	20-VFQFN Exposed Pad	8-SOIC (0.209", 5.30mm Width)	24-VFQFN Exposed Pad	20-SOIC (0.295", 7.50mm Width)
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
EEPROM Size	256 x 8	64 x 8	256 x 8	256 x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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, PWM, WDT
Speed	16MHz	1.6MHz	16MHz	16MHz
Data Converters	A/D 12x10b	A/D 4x10b	A/D 12x10b	A/D 12x10b
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	ATTINY1606	ATTINY15	ATTINY1607	ATTINY1606
Series	tinyAVR™ 0, Functional Safety (FuSa)	AVR® ATtiny	tinyAVR™ 0, Functional Safety (FuSa)	tinyAVR™ 0, Functional Safety (FuSa)
Program Memory Size	16KB (16K x 8)	1KB (512 x 16)	16KB (16K x 8)	16KB (16K x 8)
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	I ² C, SPI, UART/USART	-	I ² C, IrDA, LINbus, SPI, UART/USART	I ² C, SPI, UART/USART
Core Size	8-Bit	8-Bit	8-Bit	8-Bit

ATTINY1606-MFR Datasheet PDF




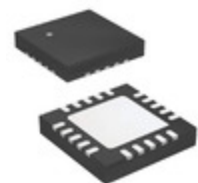






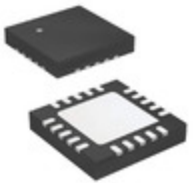







Download ATTINY1606-MFR pdf datasheets and Microchip Technology documentation for ATTINY1606-MFR - Microchip Technology.

Datasheets

[ATTiny804/806/807/1604/1606/1607.pdf](#)

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Recommended Products

 ATTINY15L-1SI Microchip Technology IC MCU 8BIT 1KB FLASH 8SOIC	 ATTINY1607-MFR Microchip Technology IC MCU 8BIT 16KB FLASH 24VQFN	 ATTINY1606-SFR Microchip Technology IC MCU 8BIT 16KB FLASH 20SOIC	 ATTINY1606-MN Microchip Technology IC MCU 8BIT 16KB FLASH 20VQFN	 ATTINY15L-1SU Microchip Technology IC MCU 8BIT 1KB FLASH 8SOIC	 ATTINY1607-MF Microchip Technology IC MCU 8BIT 16KB FLASH 24VQFN
 ATTINY15L-QS309 Atmel (Microchip Technology)	 ATTINY1604N Atmel (Microchip Technology)	 ATTINY1604-SSNR Microchip Technology IC MCU 8BIT 16KB FLASH 14SOIC	 ATTINY15L-1SI Atmel IC MCU 8BIT 1KB FLASH 8SOIC	 ATTINY1606-MF Microchip Technology IC MCU 8BIT 16KB FLASH 20VQFN	 ATTINY15L-1SC Microchip Technology IC MCU 8BIT 1KB FLASH 8SOIC
 ATTINY1607-MNR Microchip Technology IC MCU 8BIT 16KB FLASH 24VQFN	 ATTINY1614-SSNR Microchip Technology IC MCU 8BIT 16KB FLASH 14SOIC	 ATTINY15L-1PI Atmel IC MCU 8BIT 1KB FLASH 8DIP	 ATTINY15L-1PI Microchip Technology IC MCU 8BIT 1KB FLASH 8DIP	 ATTINY1607-MN Microchip Technology IC MCU 8BIT 16KB FLASH 24VQFN	 ATTINY1614-SSFR 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.

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