

PIC16F18313T-I/MF

PIC16F18313T-I/MF Information



For Reference Only

Part Number PIC16F18313T-I/MF

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 8BIT 3.5KB FLASH 8DFN

Package 8-VDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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PIC16F18313T-I/MF Specifications

Manufacturer Part NumberPIC16F18313T-I/MFManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage8-VDFN Exposed PadSeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O6Program Memory Size3.5KB (2K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 5x10b, D/A 1x5bOscillator TypeInternal	•	
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 8-VDFN Exposed Pad Series PIC? XLP? 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 6 Program Memory Size 3.5KB (2K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 5x10b, D/A 1x5b Oscillator Type Internal	Manufacturer Part Number	PIC16F18313T-I/MF
Embedded - MicrocontrollersPackage8-VDFN Exposed PadSeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O6Program Memory Size3.5KB (2K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 5x10b, D/A 1x5bOscillator TypeInternal	Manufacturer	Microchip Technology
Package8-VDFN Exposed PadSeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivity12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O6Program Memory Size3.5KB (2K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 5x10b, D/A 1x5bOscillator TypeInternal	Category	Integrated Circuits (ICs)
SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed $32MHz$ ConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O6Program Memory Size $3.5KB$ ($2K \times 14$)Program Memory TypeFLASHEEPROM Size 256×8 RAM Size 256×8 Voltage - Supply (Vcc/Vdd) $2.3 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D \times 5x10b$, $D/A \times 1x5b$ Oscillator TypeInternal		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed $32MHz$ ConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O6Program Memory Size $3.5KB$ ($2K \times 14$)Program Memory TypeFLASHEEPROM Size 256×8 RAM Size 256×8 Voltage - Supply (Vcc/Vdd) $2.3 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D \times 10b$, $D/A \times 1x \times 5b$ Oscillator TypeInternal	Package	8-VDFN Exposed Pad
Core Size 8-Bit Speed 32MHz Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 6 Program Memory Size 3.5KB (2K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 5x10b, D/A 1x5b Oscillator Type Internal	Series	PIC? XLP? 16F
Speed 32MHz Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 6 Program Memory Size 3.5KB (2K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 5x10b, D/A 1x5b Oscillator Type Internal	Core Processor	PIC
Connectivity Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O Program Memory Size 3.5KB (2K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size Voltage - Supply (Vcc/Vdd) Data Converters A/D 5x10b, D/A 1x5b Oscillator Type Internal	Core Size	8-Bit
Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 6 Program Memory Size 3.5KB (2K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 5x10b, D/A 1x5b Oscillator Type Internal	Speed	32MHz
Number of I/O Program Memory Size 3.5KB (2K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 5x10b, D/A 1x5b Oscillator Type Internal	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size 3.5KB (2K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 5x10b, D/A 1x5b Oscillator Type Internal	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size 256×8 RAM Size 256×8 Voltage - Supply (Vcc/Vdd) $2.3 \times 5.5 \times 5.5$	Number of I/O	6
EEPROM Size 256×8 RAM Size 256×8 Voltage - Supply (Vcc/Vdd) $2.3 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $5 \times 10 \text{b}$, D/A $1 \times 5 \text{b}$ Oscillator TypeInternal	Program Memory Size	3.5KB (2K x 14)
RAM Size 256×8 Voltage - Supply (Vcc/Vdd) $2.3 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D \times 10b, D/A \times 1x \times 5b$ Oscillator Type Internal	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2.3 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $5x10b$, D/A $1x5b$ Oscillator TypeInternal	EEPROM Size	256 x 8
Data Converters A/D 5x10b, D/A 1x5b Oscillator Type Internal	RAM Size	256 x 8
Oscillator Type Internal	Voltage - Supply (Vcc/Vdd)	2.3 V ~ 5.5 V
31	Data Converters	A/D 5x10b, D/A 1x5b
0 T	Oscillator Type	Internal
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (1A)}$	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Mounting Type -	Mounting Type	-
Package / Case 8-VDFN Exposed Pad	Package / Case	8-VDFN Exposed Pad
Supplier Device Package 8-DFN (3x3)	Supplier Device Package	8-DFN (3x3)
Report errors?		Report errors?

PIC16F18313T-I/MF Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

PIC16F18313T-I/MF Payment Methods



















PIC16F18313T-I/MF Shipping Methods













If you have any question about PIC16F18313T-I/MF, please do not hesitate to contact us!

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