

# PIC16F916T-I/SO

## PIC16F916T-I/SO Information

Annual and Annual Annua	 PIC16F916T-I/SO Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 8BIT 14KB FLASH 28SOIC 28-SOIC (0.295", 7.50mm Width) For the pricing/inventory/lead time, please contact us	
For Reference Only	Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## PIC16F916T-I/SO Specifications

Manufacturer Microchip Technology   Integrated Circuits (ICs) Embedded - Microcontrollers   Package 28-SOIC (0.295", 7.50mm Width)   Series PIC? 16F   Core Processor PIC   Core Size 8-Bit   Speed 20MHz   Connectivity I2C, SPI, UART/USART   Peripherals Brown-out Detect/Reset, LCD, POR, PWM, WDT   Number of I/O 24   Program Memory Size I4KB (8K x 14)   EEPROM Size 256 x 8   RAM Size 352 x 8   Voltage - Supply (Vcc/Vdd) 2 V ~ 5.5 V   Data Converters A/D 5x10b   Operating Temperature -40°C ~ 85°C (TA)   Operating Temperature 28-SOIC (0.295", 7.50mm Width)		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage28-SOIC (0.295", 7.50mm Width)SeriesPIC? 16FCore ProcessorPICCore Size8-BitSpeed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O24Program Memory Size14KB (8K x 14)PERPOM Size256 x 8RAM Size352 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Manufacturer Part Number	PIC16F916T-I/SO
Hendeddel - MicrocontrollersPackage28-SOIC (0.295", 7.50mm Width)SeriesPIC? 16FCore ProcessorPICCore Size8-BitSpeed20MHzConnetivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O24Program Memory Size14KB (8K x 14)Program Memory Type56 x 8EEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Manufacturer	Microchip Technology
Package28-SOIC (0.295", 7.50mm Width)SeriesPIC? 16FCore ProcessorPICCore Size8-BitSpeed20MHzConcetivity12C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTProgram Memory Size14KB (8K x 14)Program Memory Type526 x 8EEPROM Size352 x 8Voltage - Supply (Vcc/Vdd)2V ~ 5.5 VData ConvertersA/D 5x10bDerating Temperature44°C ~ 85°C (TA)Poprating Temperature8-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Category	Integrated Circuits (ICs)
SeriesPIC? 16FCore ProcessorPICCore Size8-BitSpeed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O24Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O24Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOperating Temperature40°C ~ 85°C (TA)Protage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-SOIC	Package	28-SOIC (0.295", 7.50mm Width)
Core Size8-BitSpeed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O24Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size352 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)	Series	PIC? 16F
Speed20MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O24Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size352 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Core Processor	PIC
ConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O24Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size352 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Core Size	8-Bit
PeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O24Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size352 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Speed	20MHz
Number of I/O24Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size352 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Connectivity	I2C, SPI, UART/USART
Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size352 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Peripherals	Brown-out Detect/Reset, LCD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size352 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Number of I/O	24
EEPROM Size256 x 8RAM Size352 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Program Memory Size	14KB (8K x 14)
RAM Size352 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	EEPROM Size	256 x 8
Data ConvertersA/D 5x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	RAM Size	352 x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Voltage - Supply (Vcc/Vdd)	2 V ~ 5.5 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Data Converters	A/D 5x10b
Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Oscillator Type	Internal
Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 28-SOIC	Mounting Type	-
	Package / Case	28-SOIC (0.295", 7.50mm Width)
Report errors'	Supplier Device Package	28-SOIC
		Report errors?

### PIC16F916T-I/SO 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.

### PIC16F916T-I/SO Payment Methods





If you have any question about PIC16F916T-I/SO, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com