

# PIC16F1828T-I/SO

t a Quote

## PIC16F1828T-I/SO Information

	Part Number	PIC16F1828T-I/SO	
Lauran and	Manufacturer	Microchip Technology	<b>E</b> 1599
www.bersener.com	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
in the second	Description	IC MCU 8BIT 7KB FLASH 20SOIC	- 273
. della	Package	20-SOIC (0.295", 7.50mm Width)	
Alle		For the pricing/inventory/lead time, please contact us	1216-22
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request

# **Certified Quality**

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# PIC16F1828T-I/SO Specifications

Manufacturer     Microchip Technology       Manufacturer     Microchip Technology       Category     Integrated Circuits (ICs)       Embedded - Microcontrollers     Embedded - Microcontrollers       Package     20-SOIC (0.295", 7.50mm Width)       Series     PIC? XLP? mTouch? 16F       Core Processor     PIC       Core Size     8-Bit       Speed     32MHz       Connectivity     I2C, SPI, UART/USART       Peripherals     Brown-out Detect/Reset, POR, PWM, WDT       Number of I/O     17       Program Memory Size     7KB (4K x 14)       PEPROM Size     256 x 8       RAM Size     256 x 8       Voltage - Supply (Vcc/Vdd)     1.8 V ~ 5.5 V       Data Converters     A/D 12x10b       Oscillator Type     Internal       Operating Temperature     -40°C ~ 85°C (TA)       Package / Case     20-SOIC (0.295", 7.50mm Width)			
CategoryIntegrated Circuits (Cs)Embedded - MicrocontrollersPackage20-SOIC (0.295", 7.50mm Width)SeriesPIC? XLP? mTouch? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O17Program Memory Size7KB (4K x 14)PEPROM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Manufacturer Part Number	PIC16F1828T-I/SO	
Embedded - MicrocontrollersPackage20-SOIC (0.295", 7.50mm Width)SeriesPIC? XLP? mTouch? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O17Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOscillator Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Manufacturer	Microchip Technology	
Package20-SOIC (0.295", 7.50mm Width)SeriesPIC? XLP? mTouch? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnetivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O17Program Memory Size7KB (4K x 14)PERPM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOperating Temperature-40°C ~ 85°C (TA)Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package0a-SOIC	Category	Integrated Circuits (ICs)	
SeriesPIC? XLP? mTouch? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O17Program Memory Size7KB (4K x 14)Program Memory TypeELASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOgerating Temperature-0°C ~ 85°C (TA)Prokage / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package0-SOIC		Embedded - Microcontrollers	
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O17Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8XOltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOscillator Type-Program Temperature-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Package	20-SOIC (0.295", 7.50mm Width)	
Core Size8-BitSpeed32MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O17Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Series	PIC? XLP? mTouch? 16F	
Speed32MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O17Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOperating Temperature-Querting Temperature-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Core Processor	PIC	
ConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O17Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Core Size	8-Bit	
PeripheralsBrown-out Detect/Reset, POR, PWM, WDTPropram Memory Size17Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Speed	32MHz	
Number of I/O17Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8XOltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Connectivity	I2C, SPI, UART/USART	
Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Number of I/O	17	
EEPROM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Program Memory Size	7KB (4K x 14)	
RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	EEPROM Size	256 x 8	
Data ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	RAM Size	256 x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.5 V	
And Comparison-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Data Converters	A/D 12x10b	
Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Oscillator Type	Internal	
Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package 20-SOIC	Mounting Type	-	
	Package / Case	20-SOIC (0.295", 7.50mm Width)	
Report errors?	Supplier Device Package	20-SOIC	
		Report	t errors?

#### PIC16F1828T-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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### PIC16F1828T-I/SO Payment Methods



### PIC16F1828T-I/SO Shipping Methods



If you have any question about PIC16F1828T-I/SO, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com