



PIC16F1786-E/SO Information



For Reference Only

Part Number PIC16F1786-E/SO

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

DescriptionIC MCU 8BIT 14KB FLASH 28SOIC**Package**28-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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.









PIC16F1786-E/SO Specifications

Manufacturer Part Number PIC16F1786-E/SO Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 28-SOIC (0.295", 7.50mm Width) Series PIC? XLP? 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity 12C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PSMC, PWM, WDT Number of I/O 24 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature 40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width)			
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 28-SOIC (0.295", 7.50mm Width) 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, PSMC, PWM, WDT Number of I/O 24 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Manufacturer Part Number	PIC16F1786-E/SO	
Embedded - Microcontrollers Package 28-SOIC (0.295", 7.50mm Width) 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, PSMC, PWM, WDT Number of I/O 24 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Manufacturer	Microchip Technology	
Package 28-SOIC (0.295", 7.50mm Width) 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, PSMC, PWM, WDT Number of I/O 24 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Category	Integrated Circuits (ICs)	
Series PIC? XLP? 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity 12C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PSMC, PWM, WDT Number of I/O 24 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC		Embedded - Microcontrollers	
Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity 12C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PSMC, PWM, WDT Number of I/O 24 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Package	28-SOIC (0.295", 7.50mm Width)	
Core Size 8-Bit Speed 32MHz Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PSMC, PWM, WDT Number of I/O 24 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Series	PIC? XLP? 16F	
Speed 32MHz Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PSMC, PWM, WDT Number of I/O 24 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Core Processor	PIC	
Connectivity Peripherals Brown-out Detect/Reset, POR, PSMC, PWM, WDT Number of I/O 24 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Core Size	8-Bit	
Peripherals Brown-out Detect/Reset, POR, PSMC, PWM, WDT Number of I/O 24 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature 40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Speed	32MHz	
Number of I/O Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Connectivity	I2C, LIN, SPI, UART/USART	
Program Memory Size Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Peripherals	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	
Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Number of I/O	24	
EEPROM Size 256×8 RAM Size $1K \times 8$ Voltage - Supply (Vcc/Vdd) $2.3 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $11 \times 12 \text{b}$, D/A $1 \times 8 \text{b}$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 28-SOIC (0.295", 7.50mm Width)Supplier Device Package 28-SOIC	Program Memory Size	14KB (8K x 14)	
RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd) 2.3 V \sim 5.5 V A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C \sim 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	EEPROM Size	256 x 8	
Data Converters A/D 11x12b, D/A 1x8b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	RAM Size	1K x 8	
Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Voltage - Supply (Vcc/Vdd)	2.3 V ~ 5.5 V	
Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Data Converters	A/D 11x12b, D/A 1x8b	
Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Oscillator Type	Internal	
Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Operating Temperature	-40°C ~ 125°C (TA)	
Supplier Device Package 28-SOIC	Mounting Type	-	
	Package / Case	28-SOIC (0.295", 7.50mm Width)	
Property and an area	Supplier Device Package	28-SOIC	
Report errors?			Report errors?

PIC16F1786-E/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.

PIC16F1786-E/SO Payment Methods

































If you have any question about PIC16F1786-E/SO, please do not hesitate to contact us!

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