

PIC16LF1778-E/SP

PIC16LF1778-E/SP Information

	 PIC16LF1778-E/SP Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 8BIT 28KB FLASH 28SDIP 28-DIP (0.300", 7.62mm) For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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PIC16LF1778-E/SP Specifications

Manufacturer Microchip Technology Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 28-DIP (0.300", 7.62mm) 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 25 Program Memory Size 28KB (16K x 14) Program Memory Type FLASH EEPROM Size 128 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 17x10b, D/A 3x5b, 3x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-DIP (0.300", 7.62mm)			
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Imbedded - MicrocontrollersPackage28-DIP (0.300", 7.62mm)SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size128 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Package / Case28-DDIP (0.300", 7.62mm)Supplier Device Package28-SDDIP	Manufacturer	Microchip Technology	
Package 28-DIP (0.300", 7.62mm) 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 25 Program Memory Size 28KB (16K x 14) Program Memory Type FLASH EEPROM Size 128 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 17x10b, D/A 3x5b, 3x10b Oscillator Type Internal Operating Temperature 440°C ~ 125°C (TA) Mounting Type - Package / Case 28-DIP (0.300", 7.62mm)	Category	Integrated Circuits (ICs)	
SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size128 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator Type-Program Type-Prakage / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP		Embedded - Microcontrollers	
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size128 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator Type-Portaning Temperature-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Package	28-DIP (0.300", 7.62mm)	
Core Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size128 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator Type-Operating Temperature-Package / Case38-DIP(0.300", 7.62mm)Supplier Device Package8-SPDIP	Series	PIC? XLP? 16F	
Speed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size128 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator Type-Operating Temperature-40°C ~ 125°C (TA)Mounting Type28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Core Processor	PIC	
ConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size128 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator TypeInternalOperating Temperature-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Core Size	8-Bit	
PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size128 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Speed	32MHz	
Number of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size128 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Connectivity	I2C, LIN, SPI, UART/USART	
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Program Memory TypeFLASHEEPROM Size128 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Number of I/O	25	
EEPROM Size128 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Program Memory Size	28KB (16K x 14)	
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Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	EEPROM Size	128 x 8	
Data ConvertersA/D 17x10b, D/A 3x5b, 3x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	RAM Size	2K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V	
Operating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Data Converters	A/D 17x10b, D/A 3x5b, 3x10b	
Mounting Type-Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Oscillator Type	Internal	
Package / Case28-DIP (0.300", 7.62mm)Supplier Device Package28-SPDIP	Operating Temperature	-40°C ~ 125°C (TA)	
Supplier Device Package 28-SPDIP	Mounting Type	-	
	Package / Case	28-DIP (0.300", 7.62mm)	
Report errors	Supplier Device Package	28-SPDIP	
		Report err	ors

PIC16LF1778-E/SP 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.

PIC16LF1778-E/SP Payment Methods



PIC16LF1778-E/SP Shipping Methods



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