

# PIC16LF1827-I/P

#### PIC16LF1827-I/P Information

THE REAL PROPERTY AND IN THE REAL PROPERTY AND INTERPORT	 PIC16LF1827-I/P Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 8BIT 7KB FLASH 18DIP 18-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

## **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.



## PIC16LF1827-I/P Specifications

Microchip Technology   Microchip Technology   Integrated Circuits (ICs)   Embedded - Microcontrollers   Package 18-DIP (0.300", 7.62mm)   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 16   Program Memory Size 7KB (4K x 14)   Perogram Memory Type FLASH   EEPROM Size 356 x 8   RAM Size 384 x 8   Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V   Data Converters A/D 12x10b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Package / Case 18-DIP (0.300", 7.62mm)	_	
Category Integrated Circuits (Cs)   Embedded - Microcontrollers   Package 18-DIP (0.300", 7.62mm)   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 16   Program Memory Size 7KB (4K x 14)   Program Memory Type FLASH   EEPROM Size 356 x 8   RAM Size 384 x 8   Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V   Data Converters A/D 12x10b   Operating Temperature -40°C ~ 85°C (TA)   Package / Case 18-DIP (0.300", 7.62mm)   Supplier Device Package 18-DIP (0.300", 7.62mm)	Manufacturer Part Number	PIC16LF1827-I/P
Embedded - MicrocontrollersPackage18-DIP (0.300", 7.62mm)PackagePIC (2 XLP? mTouch? 16FCore Srice8-BitCore Srize32MHzConectivity20X SLP? uTACN/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Srize7KB (4K x 14)PerPROM Srize256 x 8RAM Srize384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bDorating Temperature-40°C ~ 85°C (TA)Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-DIP (0.300", 7.62mm)	Manufacturer	Microchip Technology
Package18-DIP (0.300", 7.62mm)SeriesPIC ? XLP? mTouch? 16FCore SizePICCore Size8-BitSpeed32MHzConcetivityE2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Size7KB (4K x 14)PERPROM Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bDerating Temperature-40°C ~ 85°C (TA)Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-DIP (0.300", 7.62mm)	Category	Integrated Circuits (ICs)
SeriesPIC? XLP? mTouch? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOperating Temperature-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOperating Temperature-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Package	18-DIP (0.300", 7.62mm)
Core Size8-BitSpeed32MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOperating Temperature40°C ~ 85°C (TA)Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Series	PIC? XLP? mTouch? 16F
Speed32MHzConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersArb 12x10bOperating Temperature-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Core Processor	PIC
ConnectivityI2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOperating Temperature-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Core Size	8-Bit
PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOscillator Type-Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Speed	32MHz
Number of I/O16Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOscillator Type-40°C ~ 85°C (TA)Operating Temperature-40°C ~ 85°C (TA)Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Connectivity	I2C, SPI, UART/USART
Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
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EEPROM Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Program Memory Size	7KB (4K x 14)
RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	EEPROM Size	256 x 8
Data ConvertersA/D 12x10bData ConvertersInternalOscillator Type-40°C ~ 85°C (TA)Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	RAM Size	384 x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Data Converters	A/D 12x10b
Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Oscillator Type	Internal
Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 18-PDIP	Mounting Type	-
	Package / Case	18-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	18-PDIP
		Report errors?

#### PIC16LF1827-I/P 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.

## PIC16LF1827-I/P Payment Methods



### PIC16LF1827-I/P Shipping Methods



If you have any question about PIC16LF1827-I/P, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com