

PIC16LF1827-E/P

PIC16LF1827-E/P Information

	 PIC16LF1827-E/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

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PIC16LF1827-E/P Specifications

Manufacturer 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 Nula Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Package / Case 18-DIP (0.300", 7.62mm)		
CategoryIntegrated Circuits (Cs)Embedded - MicrocontrollersPackage18-DIP (0.300", 7.62mm)Package18-DIP (0.300", 7.62mm)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 Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Manufacturer Part Number	PIC16LF1827-E/P
Embedded - MicrocontrollersPackage18-DIP (0.300", 7.62mm)SeriesPIC (2 XLP? mTouch? 16FCore ProcessorFICCore Size8-BitSpeed32MHzConnectivityI2C, 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 ~ 125°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 SoroPICCore 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 ~ 125°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-40°C ~ 125°C (TA)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 12x10bOscillator Type-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 Temperature-40°C ~ 125°C (TA)Mounting Type-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 TypeInternalOperating Temperature-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Speed	32MHz
Number of I/O 16 Program Memory Size 7KB (4K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 384 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 12x10b Oscillator Type -40°C ~ 125°C (TA) Operating Temperature - Package / Case 18-DIP (0.300", 7.62mm) Supplier Device Package 18-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 ~ 125°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
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 ~ 125°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	Number of I/O	16
EEPROM Size256 x 8RAM Size384 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°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 ~ 125°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 ~ 125°C (TA)Mounting Type-Package / Case18-DIP (0.300", 7.62mm)Supplier Device Package18-PDIP	EEPROM Size	256 x 8
Data ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°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 ~ 125°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 ~ 125°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 ~ 125°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-E/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-E/P Payment Methods



PIC16LF1827-E/P Shipping Methods



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