

# PIC16LF18876-I/ML

### PIC16LF18876-I/ML Information

Part Number	PIC16LF18876-I/ML	
Manufacturer	Microchip Technology	fails they
Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
Description	IC MCU 8BIT 28KB FLASH 40QFN	
Package	44-VQFN Exposed Pad	- AU
	For the pricing/inventory/lead time, please contact	(E1/952)
	us	
	Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a
	Manufacturer Category Description	Embedded - Microcontrollers   Description IC MCU 8BIT 28KB FLASH 40QFN   Package 44-VQFN Exposed Pad   For the pricing/inventory/lead time, please contact us website: https://www.heisener.com

## **Certified Quality**

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Quote

### PIC16LF18876-I/ML Specifications

Manufacturer   Microchip Technology     Microchip Technology   Integrated Circuits (ICs)     Embedded - Microchtrollers   Embedded - Microchtrollers     Package   44-VQFN Exposed Pad     Series   PIC     Core Processor   PIC     Core Size   8-Bit     Speed   32MHz     Connectivity   IC, LIN, SPI, UART/USART     Porpherals   Brown-out Detect/Reset, POR, PWM, WDT     Number of I/O   36     Program Memory Size   256 x 8     RAM Size   256 x 8     Voltage - Supply (Vcc/Vdd)   1.8 V ~ 3.6 V     Data Converters   A/D 35x10b, D/A 1x5b     Oscillator Type   - Mermal     Porcans Memory Type   - Mermal     Package / Case   4.40°C ~ 85°C (TA)     Package / Case   4.40°C NESOC Pad		
CategoryIntegrated Circuits (Cs)Embedded - MicrocontrollersPackage44-VQFN Exposed PadSeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O36Program Memory Size28KB (16K x 14)Pergorm Memory TypeFLASHEEPROM Size256 x 8Nutage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Manufacturer Part Number	PIC16LF18876-I/ML
Embedded - MicrocontrollersPackage44-VQFN Exposed PadSeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O36Program Memory Size28KB (16K x 14)Perport Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type44-QFN (8x8)	Manufacturer	Microchip Technology
Package44-VQFN Exposed PadSeriesPIC % XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O36Program Memory Size28KB (16K x 14)PERPOM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bDording Type-Porating Temperature44-VQFN Exposed PadMounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Category	Integrated Circuits (ICs)
SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O36Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator Type-Program Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-QFN (8x8)		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O36Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator Type-Program Type-Program Type-Program Size44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Package	44-VQFN Exposed Pad
Core Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O36Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator Type-Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Series	PIC? XLP? 16F
Speed32MHzConnectivityIC, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O36Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator Type-40°C ~ 85°C (TA)Mounting Type-44·QFN Exposed PadSupplier Device Package44-QFN (8x8)	Core Processor	PIC
ConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O36Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Core Size	8-Bit
PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O36Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vd0)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Speed	32MHz
Number of I/O36Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Number of I/O	36
EEPROM Size256 x 8EEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Program Memory Size	28KB (16K x 14)
RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 35x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	EEPROM Size	256 x 8
Data ConvertersA/D 35x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	RAM Size	2K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Data Converters	A/D 35x10b, D/A 1x5b
Mounting Type-Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Oscillator Type	Internal
Package / Case44-VQFN Exposed PadSupplier Device Package44-QFN (8x8)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package44-QFN (8x8)	Mounting Type	-
	Package / Case	44-VQFN Exposed Pad
Report errors?	Supplier Device Package	44-QFN (8x8)
		Report errors?

### PIC16LF18876-I/ML 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.

#### PIC16LF18876-I/ML Payment Methods





If you have any question about PIC16LF18876-I/ML, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com