

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

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.



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