



PIC16LF18855-E/MV Information



For Reference Only

Part Number PIC16LF18855-E/MV

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 8BIT 14KB FLASH 28UQFN

Package 28-UFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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PIC16LF18855-E/MV Specifications

Manufacturer Part NumberPIC16LF18855-E/MVManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage28-UFQFN Exposed PadSeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O25Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 V	1	
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 28-UFQFN Exposed Pad 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 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V	Manufacturer Part Number	PIC16LF18855-E/MV
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Core Size8-BitSpeed 32MHz Connectivity 12C , LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O 25 Program Memory Size 14KB (8K x 14)Program Memory TypeFLASHEEPROM Size 256×8 RAM Size $1\text{K} \times 8$ Voltage - Supply (Vcc/Vdd) $1.8 \times 3.6 \times 3.6 \times 3$	Series	PIC? XLP? 16F
Speed $32MHz$ Connectivity $I2C$, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O 25 Program Memory Size $14KB$ ($8K \times 14$)Program Memory TypeFLASHEEPROM Size 256×8 RAM Size $1K \times 8$ Voltage - Supply (Vcc/Vdd) $1.8 \ V \sim 3.6 \ V$	Core Processor	PIC
Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 25 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V	Core Size	8-Bit
Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 25 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$	Speed	32MHz
Number of I/O 25 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size $14KB (8K \times 14)$ Program Memory Type $FLASH$ EEPROM Size 256×8 RAM Size $1K \times 8$ Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size 256×8 RAM Size $1K \times 8$ Voltage - Supply (Vcc/Vdd) $1.8 \ V \sim 3.6 \ V$	Number of I/O	25
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RAM Size $1K \times 8$ Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V	EEPROM Size	256 x 8
	RAM Size	1K x 8
	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Data Converters A/D 24x10b, D/A 1x5b	Data Converters	A/D 24x10b, D/A 1x5b
Oscillator Type Internal	Oscillator Type	Internal
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type -	Mounting Type	-
Package / Case 28-UFQFN Exposed Pad	Package / Case	28-UFQFN Exposed Pad
Supplier Device Package 28-UQFN (4x4)	Supplier Device Package	28-UQFN (4x4)
Report errors?		Report errors?

PIC16LF18855-E/MV 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.

PIC16LF18855-E/MV Payment Methods



















PIC16LF18855-E/MV Shipping Methods













If you have any question about PIC16LF18855-E/MV, please do not hesitate to contact us!

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