

8 Bit MCU, Extreme Low Power(XLP), PIC16 Family PIC16F18XX Series  
Microcontrollers, 32 MHz, 14 KB

Manufacturers	<u>Microchip Technology, Inc</u>
Package/Case	SOIC-28
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PIC16F18855-I/SO or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

PIC16(L)F1885X/7X microcontrollers feature Analog, Core Independent Peripherals and communication peripherals, combined with eXtreme Low Power (XLP) for a wide range of general purpose and low-power applications. The family features the CRC/SCAN, HLT and Windowed WDT to support customers looking to add safety to their application. Additionally, this family includes up to 56 KB of Flash memory, along with a 10-bit ADC with Computation (ADC2) for automated signal analysis to reduce the complexity of the application. Demonstration Platform Internet of Things Sensor Badge with interactive control via motion, multiple sensors, RGB LEDs and bluetooth communication. [www.microchip.com/iotsensorbadge](http://www.microchip.com/iotsensorbadge)

## Features

Enhanced Mid-range Core with 49 Instruction, 16 Stack Levels

Adjustable Internal Oscillator (1-32MHz)

Peripheral Pin Select (PPS)

2x 10-bit PWMs

5x Capture, Compare, PWM (CCP)

Complementary Waveform Generator (CWG)

Numerically Controlled Oscillator (NCO)

4x Configurable Logic Controller (CLC)

10-bit ADC with Computation (ADC2)

5-bit Digital to Analog Converter (DAC)

Data Signal Modulator (DSM)

Zero Cross Detect (ZCD)

Cyclical Redundancy Check (CRC/SCAN)

Windowed Watchdog Timer (WWDT)

Enhanced Power-On/Off-Reset

Low-Power Brown-Out Reset (LPBOR)

Programmable Brown-Out Reset (BOR)

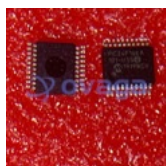
In Circuit Serial Programming (ICSP)

PIC16LF18855 (1.8V – 3.6V)

PIC16F18855 (2.3V – 5.5V)



### Related Products



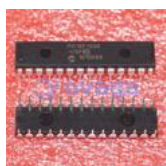
[PIC24F16KA101-I/SS](#)

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SSOP-20



[PIC16F1936-I/SS](#)

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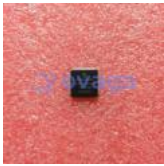
[PIC16F1938-I/SP](#)

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[PIC18F6520-I/PT](#)

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[PIC18F97J60T-I/PT](#)

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