

8 Bit MCU, PIC16 Family PIC16F18XX Series Microcontrollers, 8 MIPS, 3.5 KB, 256 Byte, 14 Pins, SOIC

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SOIC-14
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PIC16F18323-I/SL or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

PIC16F18323 microcontrollers feature Analog, Core Independent Peripherals and communication peripherals, combined with Extreme Low Power (XLP) for wide range of general purpose and low power applications. The Peripheral Pin Select (PPS) functionality enables pin mapping when using the digital peripherals (CLC, CWG, CCP and PWM) to add flexibility to the application design. 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

Flash Program Memory with self read/write capability

256B EEPROM

IDLE and DOZE low power modes

Peripheral Module Disable (PMD)

Peripheral Pin Select (PPS)

2x 10-bit PWMs

2x Capture, Compare, PWM (CCP)

Complementary Waveform Generator (CWG)

Numerically Controlled Oscillator (NCO)

2x Configurable Logic Controller (CLC)

11 Channel 10-bit ADC with Voltage Reference

5-bit Digital to Analog Converter (DAC)

2x Comparators

2x 8-bit Timers (TMR0/TMR2)

1x 16-bit Timer (TMR1)

Extended Watchdog Timer (WDT)

Enhanced Power-On/Off-Reset

Low-Power Brown-Out Reset (LPBOR)

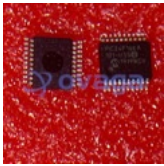
Programmable Brown-Out Reset (BOR)

In Circuit Serial Programming (ICSP)

PIC16LF18323 (1.8V – 3.6V)

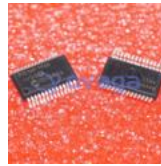
PIC16F18323 (2.3V – 5.5V)

## Related Products



[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc  
SSOP-20



[PIC16F1936-I/SS](#)

Microchip Technology, Inc  
SSOP-28



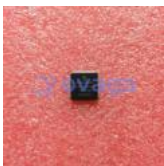
[PIC16F1938-I/SP](#)

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PDIP-28



[PIC18F23K22-I/SP](#)

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[PIC18F6520-I/PT](#)

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