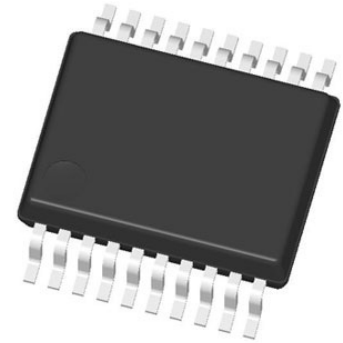


8 Bit MCU, Flash, PIC16 Family PIC16F18XX Series Microcontrollers, 32 MHz, 14 KB, 1 KB, 20 Pins

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SSOP-20
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PIC16F18345-I/SS or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

PIC16F18345 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, PWM and communications) 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

4x Capture, Compare, PWM (CCP)

2x Complementary Waveform Generator (CWG)

Numerically Controlled Oscillator (NCO)

4x Configurable Logic Controller (CLC)

17 Channel 10-bit ADC with Voltage Reference

5-bit Digital to Analog Converter (DAC)

2x Comparator

2x SPI/I2C

Enhanced Universal Synchronous Asynchronous Receiver Transmitter (EUSART)

4x 8-bit Timers (TMR0/TMR2)

3x 16-bit Timer (TMR1)

Extended Watchdog Timer (WDT)

Enhanced Power-On/Off-Reset

Low-Power Brown-Out Reset (LPBOR)

Programmable Brown-Out Reset (BOR)

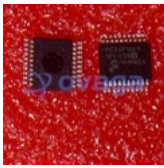
In Circuit Serial Programming (ICSP)

PIC16LF18345 (1.8V – 3.6V)

PIC16F18345 (2.3V – 5.5V)

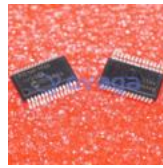
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## Related Products



[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc  
SSOP-20



[PIC16F1936-I/SS](#)

Microchip Technology, Inc  
SSOP-28



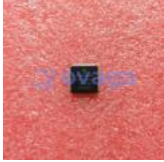
[PIC16F1938-I/SP](#)

Microchip Technology, Inc  
PDIP-28



[PIC18F23K22-I/SP](#)

Microchip Technology, Inc  
SPDIP-28



[PIC18F6520-I/PT](#)

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TQFP-64



[PIC18F2620-I/SP](#)

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[PIC18F97J60T-I/PT](#)

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TQFP-100