8 Bit MCU, PIC16 Family PIC16F18XX Series Microcontrollers, 32 MHz, 7 KB, 512 Byte, 14 Pins, SOIC

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-14
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for PIC16F18324-I/SL or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

PIC16F18324 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 PlatformInternet of Things Sensor Badge with interactive control via motion, multiple sensors, RGB LEDs and bluetooth communication.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)

11 Channel 10-bit ADC with Voltage Reference

5-bit Digital to Analog Converter (DAC)

2x Comparator

SPI/I2C

Enhanced Universal Synchronous Asynchronous Receiver Transmitter (EUSART)

4x 8-bit Timers (TMR0/TMR2)

3x 16-bit Timer (TMR1)

Extended Watchdog Timer (WDT)

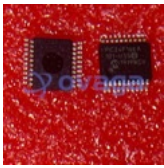Enhanced Power-On/Off-Reset

Low-Power Brown-Out Reset (LPBOR)

Programmable Brown-Out Reset (BOR)

In Circuit Serial Programming (ICSP)

PIC16LF18324 (1.8V – 3.6V)
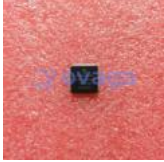
PIC16F18324 (2.3V – 5.5V)

Related Products

PIC24F16KA101-I/SS

Microchip Technology, Inc

SSOP-20

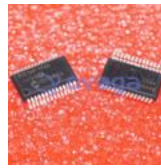**PIC16F1936-I/SS**

Microchip Technology, Inc

SSOP-28

PIC16F1938-I/SP

Microchip Technology, Inc

PDIP-28

PIC18F23K22-I/SP

Microchip Technology, Inc

SPDIP-28

PIC18F6520-I/PT

Microchip Technology, Inc

TQFP-64
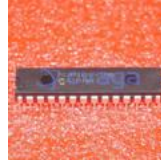
PIC18F2620-I/SP

Microchip Technology, Inc

SPDIP-28

PIC18F2620-I/SO

Microchip Technology, Inc

SOIC-28

PIC18F97J60T-I/PT

Microchip Technology, Inc

TQFP-100