

8 Bit MCU, One Time Programmable, PIC16 Family PIC16C5x Series Microcontrollers, 4 MHz, 1.5 KB

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



Images are for reference only

Please submit RFQ for PIC16C505-04/P or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The PIC16C505 from Microchip Technology is a low cost, high-performance, 8-bit, fully static, EPROM/ROM-based CMOS microcontroller. It employs a RISC architecture with only 33 single word/single cycle instructions. All instructions are single cycle (200  $\mu$ s) except for program branches, which take two cycles.

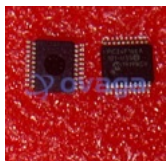
The PIC16C505 delivers performance an order of magnitude higher than its competitors in the same price category. The 12-bit wide instructions are highly symmetrical resulting in a typical 2:1 code compression over other 8-bit microcontrollers in its class. The easy to use and easy to remember instruction set reduces development time significantly.

The PIC16C505 product is equipped with special features that reduce system cost and power requirements. The Power-On Reset (POR) and Device Reset Timer (DRT) eliminate the need for external reset circuitry. There are five oscillator configurations to choose from, including INTRC internal oscillator mode and the power-saving LP (Low Power) oscillator mode. Power saving SLEEP mode, Watchdog Timer and code protection features improve system cost, power and reliability.

## Features

Special Microcontroller :

## Related Products



[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc  
SSOP-20



[PIC16F1936-I/SS](#)

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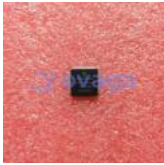
[PIC16F1938-I/SP](#)

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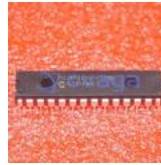
[PIC18F23K22-I/SP](#)

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