8 Bit MCU, Flash, PIC16 Family PIC16F5XX Series Microcontrollers, 20 MHz, 1.5 KB, 72 Byte, 14 Pins

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

Images are for reference only

Please submit RFQ for PIC16F505-I/P or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

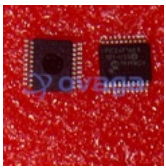## General Description

Features

GENERAL DESCRIPTION

The PIC12F508/509/16F505 devices from Microchip Technology are low-cost, high-performance, 8-bit, fully-static, Flash-based CMOS microcontrollers. They employ a RISC architecture with only 33 single-word/ single-cycle instructions. All instructions are single cycle (200 µs) except for program branches, which take two cycles. The PIC12F508/509/16F505 devices deliver performance an order of magnitude higher than their 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.

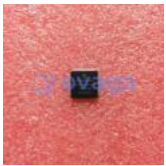High-Performance RISC CPU:

Related Products

[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc

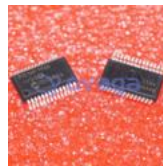SSOP-20

[PIC16F1936-I/SS](#)

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SSOP-28

[PIC16F1938-I/SP](#)

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PDIP-28

[PIC18F23K22-I/SP](#)

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SPDIP-28

[PIC18F6520-I/PT](#)

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TQFP-64

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TQFP-100