

8/14-Pin, 8-Bit Flash Microcontrollers, -40C to +85C, 8-SOIC 150mil, TUBE, Microcontrollers (MCU) 1.5KB FLASH 25B RAM 4MHz INTOSC

Manufacturers	<u>Microchip Technology, Inc</u>
Package/Case	SOIC-8
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PIC12F509-I/SN or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

### Features

Precision 4 MHz internal oscillator

Baseline Core with 33 Instructions, 2 Stack Levels

All single-cycle Instructions except for program branches which are two cycles

12-bit wide instructions

8-bit wide data path

25 mA source/sink current I/O

Low power (100nA) sleep current

One 8-bit timer (TMR0)

Watchdog timer (WDT)

In Circuit Serial Programming™ (ICSP™) capability

In-Circuit debugging support

Programmable code protection

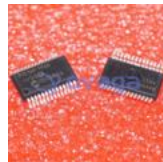


### Related Products



#### [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