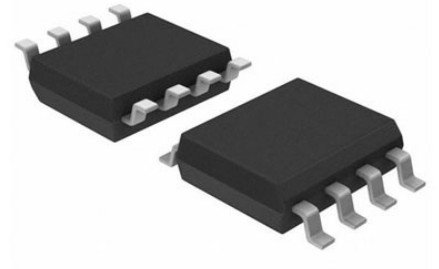


8/14-Pin, 8-Bit Flash Microcontrollers, -40C to +85C, 8-SOIC 208mil, TUBE, Microcontrollers (MCU) 1.5 KB 41 RAM 6 I/O

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SOIJ-8
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PIC12F509-I/SM 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



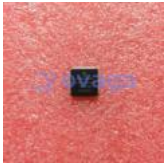
### [PIC24F16KA101-I/SS](#)

Microchip Technology, Inc  
SSOP-20



### [PIC16F1938-I/SP](#)

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PDIP-28



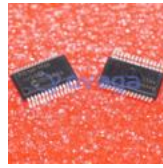
### [PIC18F6520-I/PT](#)

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### [PIC18F2620-I/SO](#)

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### [PIC16F1936-I/SS](#)

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SSOP-28



### [PIC18F23K22-I/SP](#)

Microchip Technology, Inc  
SPDIP-28



### [PIC18F2620-I/SP](#)

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SPDIP-28



### [PIC18F97J60T-I/PT](#)

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TQFP-100