

28/40/44-Pin, Enhanced Flash Microcontrollers with 12-Bit A/D and nanoWatt Technology, Microcontrollers (MCU) 32KB 1536 RAM 36I/O

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	TQFP-44
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PIC18F4523-I/PT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

## Features

Up to 10 MIPS Performance at 3V

C compiler optimized RISC architecture

8x8 Single Cycle Hardware Multiply

Internal oscillator support-31 kHz to 8MHz with 4xPLL

Fail-Safe Clock Monitor- allows safe shutdown if clock fails

Watchdog Timer with separate RC oscillator

Wide operating Voltage range; 2.0V to 5.5V

Run, Idle and SLEEP modes

Idle mode currents down to 5.8uA typical

Sleep mode currents down to 0.1uA typical

12-bit ADC, 13 channels, 50K samples per second

Programmable Low Voltage Detection Module

Programmable Brown-out-Reset Module

Two Analog Comparators multiplexing

Master Synchronous Serial Port supports SPI™ and I2C™ master and slave mode

EUSART module including LIN bus support

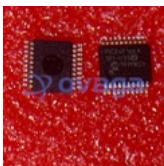
Four Timer modules

Up to 5 PWM outputs

Up to 2 Capture / Compare



## Related Products



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SSOP-20



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

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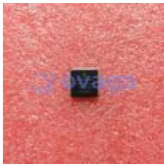
### [PIC16F1938-I/SP](#)

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

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