

8 Bit MCU, Flash, PIC18 Family PIC18F25xx Series Microcontrollers, 40 MHz, 32 KB, 1.5 KB, 28 Pins



Images are for reference only

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-28
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	

Please submit RFQ for PIC18F2523-I/SO or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Features

to 10 MIPS performance

C compiler optimized RISC architecture

8 x 8 Single Cycle Hardware Multiply

Internal oscillator support - 31 kHz to 8 MHz, up to 32 MHz with 4X PLL

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 with input multiplexing

Master Synchronous Serial Port supports SPI™ and I2C™ Master and Slave Mode

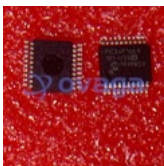
EUSART module including LIN bus support

Four Timer Modules

Up to 2 PWM outputs

Up to 2 Capture / Compare

Related Products



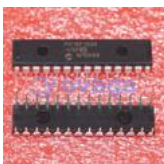
[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc
SSOP-20



[PIC16F1936-I/SS](#)

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[PIC18F6520-I/PT](#)

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[PIC18F97J60T-I/PT](#)

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TQFP-100