

28LD 160K, POWER-MANAGED PIC with 8 KBYTES, -40C to +85C, 28-SPDIP, TUBE, Microcontrollers (MCU) 8 KB Flash 512 RAM

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SPDIP-28
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for PIC18F2321-I/SP 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

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

10-bit ADC, 10 channels, 100K 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

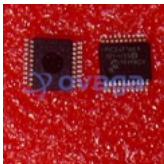
Four Timer Modules

Up to 5 PWM outputs

Up to 2 Capture / Compare



### Related Products



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

Microchip Technology, Inc  
SSOP-20



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

Microchip Technology, Inc  
SSOP-28



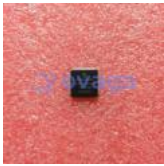
#### [PIC16F1938-I/SP](#)

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PDIP-28



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

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[PIC18F6520-I/PT](#)

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TQFP-100