

8 Bit MCU, Flash, PIC18 Family PIC18F K5x Series Microcontrollers, 48 MHz, 16 KB, 768 Byte, 20 Pins

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-20
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for PIC18F14K50-I/SO or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Features

- C Compiler optimized architecture
- Self-programmable under software control
- Support for Interrupt Priority Levels
- 8x8 Single-Cycle Hardware Multiplier
- Enhanced Watchdog Timer with a programmable period
- USB v2.0 compliant interface
- Supports both Low Speed and Full Speed operation
- Supports Control, Interrupt, Isochronous and Bulk transfer
- Up to 16 Endpoints (or up to 8 bidirectional)
- Automatic detection of physical connection to USB host
- 256-byte Dual Access RAM
- Can be internally clocked up to 48MHz

Supplies frequencies from 31KHz to 16MHz

Can be user-adjusted for frequency drift

Can be used with External or Internal Oscillators

Allows for safe shutdown during oscillator failure

Up to 5 PWM Outputs

Programmable dead time, auto shutdown/restart

Supports all modes of 3-wire SPI

I2C™Compatible Master and Slave modes with address masking

Supports RS-485, RS-232, and LIN 2.0

Can acquire & convert samples automatically

Can operate in sleep mode

Rail to Rail operation

Independent input multiplexing

Robust GPIO with 25mA sink/source current

Can be used with Comparators or ADC

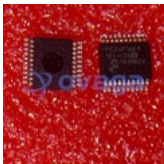
1.8 to 5.6V Operating Range

Software Programmable Brown-out Reset feature

Four power-managed operating modes

Two-speed clock startup option

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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[PIC18F97J60T-I/PT](#)

Microchip Technology, Inc
TQFP-100