

8 Bit MCU, Flash, PIC16 Family PIC16F15xx Series Microcontrollers, 20 MHz, 3.5 KB, 128 Byte

Manufacturers

[Microchip Technology, Inc](#)

Package/Case

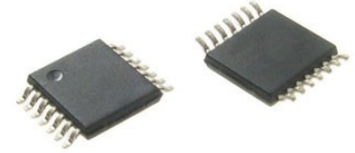
TSSOP-14

Product Type

Embedded Processors & Controllers

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for PIC16F1503-I/ST or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

## Features

Enhanced Mid-range Core with 49 Instruction, 16 Stack Levels

Flash Program Memory with self read/write capability

128 B of Non-volatile Data Storage

Internal 16MHz oscillator

4x Standalone PWM

Complementary Waveform Generator (CWG)

Numerically Controlled Oscillator (NCO)

2x Configurable Logic Cell (CLC)

Integrated Temperature Indicator

8 Channel 10-bit ADC with Voltage Reference

5-bit Digital to Analog Converter (DAC)

MI2C, SPI

25mA Source/Sink current I/O

2x 8-bit Timers (TMR0/TMR2)

1x 16-bit Timer (TMR1)

Extended Watchdog Timer (WDT)

Enhanced Power-On/Off-Reset

Low-Power Brown-Out Reset (LPBOR)

Programmable Brown-Out Reset (BOR)

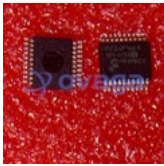
In Circuit Serial Programming (ICSP)

In-Circuit Debug using a Debug Header

Wide Operation Voltage Variant 'F' (2.3V – 5.5V)

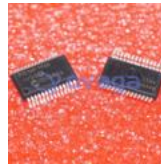
eXtreme Low Power (XLP) 'LF' Variant (1.8V – 3.6V)

## Related Products



[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc  
SSOP-20



[PIC16F1936-I/SS](#)

Microchip Technology, Inc  
SSOP-28



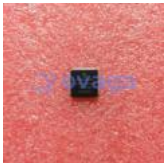
[PIC16F1938-I/SP](#)

Microchip Technology, Inc  
PDIP-28



[PIC18F23K22-I/SP](#)

Microchip Technology, Inc  
SPDIP-28



[PIC18F6520-I/PT](#)

Microchip Technology, Inc  
TQFP-64



[PIC18F2620-I/SP](#)

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SOIC-28



[PIC18F97J60T-I/PT](#)

Microchip Technology, Inc  
TQFP-100