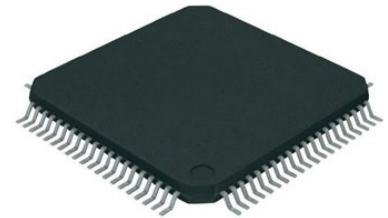


8 Bit MCU, XLP, PIC16 Family PIC16F15xx Series Microcontrollers, 32 MHz, 28 KB, 2 KB, 44 Pins, TQFP

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 PIC16F15376-I/PT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

PIC16(L)F153XX 8-bit product family feature essential peripherals like Intelligent Analog, Core Independent Peripherals (CIPs) and communication combined with eXtreme Low-Power (XLP) for a wide range of low-power applications. The family features PWMs, multiple communication, temperature sensor and memory features like Memory Access Partition (MAP) and Device Information Area (DIA). The products will be offered in a broad range of pin counts from 8 to 48-pins, to support customers in various applications.

[PIC16F15386 Product Family Overview](#)

## Features

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

Flash Program Memory with self read/write capability

eXtreme Low Power (XLP)

IDLE and DOZE low power modes

Peripheral Module Disable (PMD)

Peripheral Pin Select (PPS)

4x 10-bit PWMs

2x Capture, Compare, PWM (CCP)

Complementary Waveform Generator (CWG)

Numerically Controlled Oscillator (NCO)

4x Configurable Logic Controller (CLC)

35 Channel 10-bit ADC with Voltage Reference

5-bit Digital to Analog Converter (DAC)

2x Comparators

1x 8-bit Timers (TMR0/TMR2)

2x 16-bit Timer (TMR1)

Window Watchdog Timer (WWDT)

Enhanced Power-On/Off-Reset

Low-Power Brown-Out Reset (LPBOR)

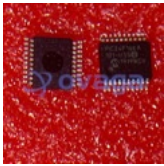
Programmable Brown-Out Reset (BOR)

In Circuit Serial Programming (ICSP)

PIC16LF15376 (1.8V – 3.6V)

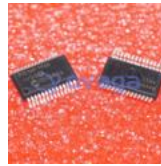
PIC16F15376 (2.3V – 5.5V)

## Related Products



[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc  
SSOP-20



[PIC16F1936-I/SS](#)

Microchip Technology, Inc  
SSOP-28



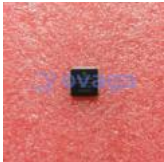
[PIC16F1938-I/SP](#)

Microchip Technology, Inc  
PDIP-28



[PIC18F23K22-I/SP](#)

Microchip Technology, Inc  
SPDIP-28



[PIC18F6520-I/PT](#)

Microchip Technology, Inc  
TQFP-64



[PIC18F2620-I/SP](#)

Microchip Technology, Inc  
SPDIP-28



[PIC18F2620-I/SO](#)

Microchip Technology, Inc  
SOIC-28



[PIC18F97J60T-I/PT](#)

Microchip Technology, Inc  
TQFP-100