

8 Bit MCU, Flash, PIC16 Family PIC16F19XX Series Microcontrollers, 32 MHz, 14 KB, 512 Byte, 64 Pins

Manufacturers

[Microchip Technology, Inc](#)

Package/Case

TQFP-64

Product Type

Embedded Processors & Controllers

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for PIC16F1946-I/PT 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

184 LCD segment drive support

Internal 32MHz oscillator

Integrated Capacitive mTouch Sensing Module

Integrated Temperature Indicator

2xMI2C, 2xSPI, 2xEUSART w/auto baud

3 ECCP & 2 CCP (Enhanced/Capture Compare PWM)

Comparators with selectable Voltage Reference

17 Channel 10b ADC with Voltage Reference

25mA Source/Sink current I/O

Four 8-bit Timers (TMR0/TMR2/TMR4/TMR6)

One 16-bit Timer (TMR1)

Extended Watchdog Timer (EWDT)

Enhanced Power-On/Off-Reset

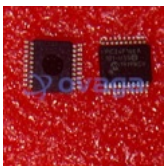
Brown-Out Reset (BOR)

In Circuit Serial Programming (ICSP)

Wide Operating Voltage (1.8V – 5.5V)

Low Power PIC16LF1946 variant (1.8V – 3.6V)

## Related Products



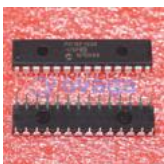
### [PIC24F16KA101-I/SS](#)

Microchip Technology, Inc  
SSOP-20



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

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SSOP-28



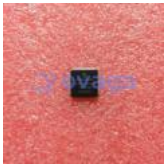
### [PIC16F1938-I/SP](#)

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PDIP-28



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

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SPDIP-28



[PIC18F6520-I/PT](#)

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[PIC18F2620-I/SO](#)

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[PIC18F97J60T-I/PT](#)

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TQFP-100