

8-bit Microcontrollers - MCU 14KB 512B RAM 256B EEPROM LCD

Manufacturers	Microchip Technology, Inc
Package/Case	QFN-64
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for PIC16LF1946-I/MR 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

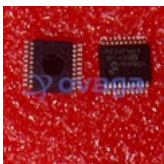
Brown-Out Reset (BOR)

In Circuit Serial Programming (ICSP)

Wide Operating Voltage (1.8V – 5.5V)

Low Power PIC16LF1946 variant (1.8V – 3.6V)

Related Products



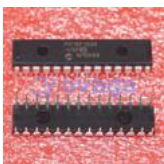
[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc
SSOP-20



[PIC16F1936-I/SS](#)

Microchip Technology, Inc
SSOP-28



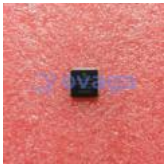
[PIC16F1938-I/SP](#)

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