

IC MCU 8BIT 56KB FLASH 44TQFP

Manufacturers

[Microchip Technology, Inc](#)

Package/Case

TQFP-44

Product Type

Embedded Processors & Controllers

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for PIC16F18877T-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)F1885X/7X microcontrollers feature Analog, Core Independent Peripherals and communication peripherals, combined with eXtreme Low Power (XLP) for a wide range of general purpose and low-power applications. The family features the CRC/SCAN, HLT and Windowed WDT to support customers looking to add safety to their application. Additionally, this family includes up to 56 KB of Flash memory, along with a 10-bit ADC with Computation (ADC2) for automated signal analysis to reduce the complexity of the application.

## Features

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

Adjustable Internal Oscillator (up to 32MHz)

2x 10-bit PWMs

5x Capture, Compare, PWM (CCP)

Numerically Controlled Oscillator (NCO)

4x Configurable Logic Controller (CLC)

10-bit ADC with Computation (ADC2)

Complementary Waveform Generator (CWG)

5-bit Digital to Analog Converter (DAC)

Data Signal Modulator (DSM)

In Circuit Serial Programming (ICSP)

Zero Cross Detect (ZCD)

Cyclical Redundancy Check (CRC/SCAN)

Windowed Watchdog Timer (WWDT)

Peripheral Pin Select (PPS)

Enhanced Power-On/Off-Reset

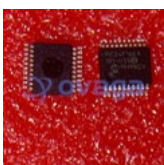
Low-Power Brown-Out Reset (LPBOR)

Programmable Brown-Out Reset (BOR)

PIC16LF18877 (1.8V – 3.6V)

PIC16F18877 (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](#)

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SPDIP-28



[PIC18F2620-I/SO](#)

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SOIC-28



[PIC18F97J60T-I/PT](#)

Microchip Technology, Inc  
TQFP-100