
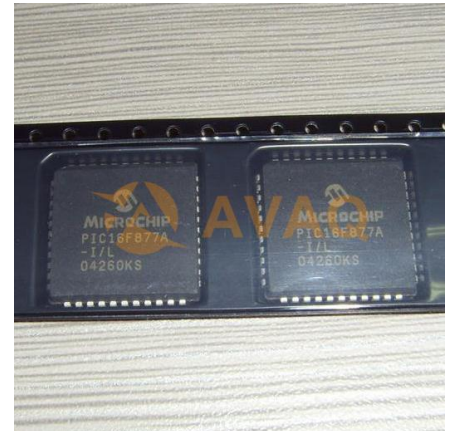


## MCU 8-bit PIC RISC 14.3KB Flash 5V 44-Pin PLCC Tube

<b>Manufacturer:</b>	<a href="#">Microchip Technology, Inc</a>
<b>Package/Case:</b>	PLCC
<b>Product Type:</b>	Embedded Processors & Controllers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

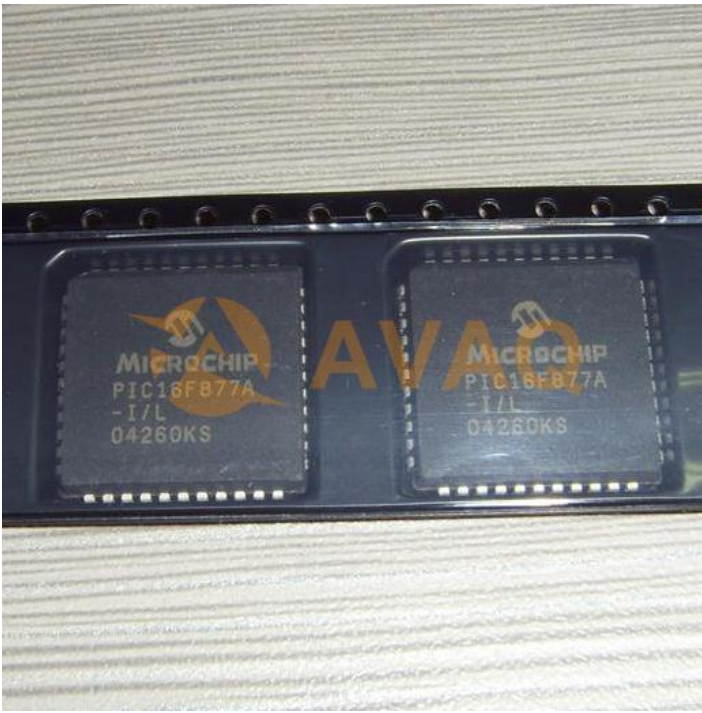
[Inquiry](#)

### General Description

This powerful (200 nanosecond instruction execution) yet easy-to-program (only 35 single word instructions) CMOS FLASH-based 8-bit microcontroller packs Microchip's powerful PIC® architecture into an 40- or 44-pin package and is upwards compatible with the PIC16C5X, PIC12CXXX and PIC16C7X devices. The PIC16F877A features 256 bytes of EEPROM data memory, self programming, an ICD, 2 Comparators, 8 channels of 10-bit Analog-to-Digital (A/D) converter, 2 capture/compare/PWM functions, the synchronous serial port can be configured as either 3-wire Serial Peripheral Interface (SPI™) or the 2-wire Inter-Integrated Circuit (I²C™) bus and a Universal Asynchronous Receiver Transmitter (USART). All of these features make it ideal for more advanced level A/D applications in automotive, industrial, appliances and consumer applications.

### Key Features

- High-performance RISC CPU
- Analogue comparator module with programmable on-chip voltage reference (VREF) module
- Data EEPROM retention of >40 years
- Self-reprogrammable under software control
- In-Circuit Serial Programming™ (ICSP™) via two pins
- Single-supply 5V In-Circuit Serial Programming
- Watchdog timer (WDT) with its own on-chip RC oscillator for reliable operation
- Programmable code protection
- Power saving sleep mode
- In-Circuit Debug (ICD) via two pins
- Low-power consumption



## Recommended For You

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### **PIC16F84A-20/P**

Microchip Technology, Inc

DIP18

### **PIC16F54-I/P**

Microchip Technology, Inc

DIP

### **PIC18F2320-I/SP**

Microchip Technology, Inc

DIP28

### **PIC18F2685-I/SP**

Microchip Technology, Inc

SPDIP-28

### **PIC16F767-I/SO**

Microchip Technology, Inc

SOP

### **PIC16F630-I/SL**

Microchip Technology, Inc

SOP14

### **PIC16F15345-I/SO**

Microchip Technology, Inc

SOP20

### **PIC16F84-04/P**

Microchip Technology, Inc

DIP18

### **PIC18F4320-I/PT**

Microchip Technology, Inc

QFP

### **PIC16C622A-04/P**

Microchip Technology, Inc

DIP

### **PIC16F84A-04/P**

Microchip Technology, Inc

DIP18

### **PIC18F2480-I/SP**

Microchip Technology, Inc

DIP

### **PIC16F628-04/P**

Microchip Technology, Inc

DIP

### **PIC16F877-20/L**

Microchip Technology, Inc

PLCC44

### **PIC16F676-I/P**

Microchip Technology, Inc

DIP-14