


## MCU 8-bit PIC RISC 7KB Flash 2.5V/3.3V/5V Automotive 44-Pin TQFP Tray



Images are for reference only

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

[Inquiry](#)

### General Description

This powerful yet easy-to-program (only 35 single word instructions) CMOS FLASH-based 8-bit microcontroller packs Microchip's powerful PIC® architecture into a 44 pin package. The PIC16F884 features 256 bytes of EEPROM data memory, self programming, an ICD, 2 Comparators, 14 channels of 10-bit Analog-to-Digital (A/D) converter, 1 capture/compare/PWM and 1 Enhanced capture/compare/PWM functions, a synchronous serial port that can be configured as either 3-wire Serial Peripheral Interface (SPI™) or the 2-wire Inter-Integrated Circuit (I²C™) bus and an Enhanced Universal Asynchronous Receiver Transmitter (EUSART). All of these features make it ideal for more advanced level A/D applications in automotive, industrial, appliances or consumer applications.

### Key Features

- High-performance RISC CPU
- Power-saving sleep mode
- Power-on reset (POR)
- Extended watchdog timer (WDT) with its own on-chip RC oscillator for reliable operation
- In-Circuit Serial Programming™ (ICSP™) via two pins
- In-Circuit Debug (ICD) via two pins
- Self-reprogrammable under software control
- Programmable code protection
- Enhanced capture/compare/PWM (ECCP) module with auto-shutdown and PWM steering
- Multiplexed master clear with pull-up/input pin

### Recommended For You

**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