


MCU 8-bit PIC RISC 7KB Flash 2.5V/3.3V/5V Automotive 28-Pin SPDIP Tube



Images are for reference only

Manufacturer:	Microchip Technology, Inc
Package/Case:	DIP28
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	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 28 pin package. The PIC16F883 features 256 bytes of EEPROM data memory, self programming, an ICD, 2 Comparators, 11 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