


## MCU 8-bit PIC RISC 14KB Flash 2.5V/3.3V/5V Automotive 28-Pin SPDIP Tube



Images are for reference only

<b>Manufacturer:</b>	<a href="#">Microchip Technology, Inc</a>
<b>Package/Case:</b>	SPDIP-28
<b>Product Type:</b>	Embedded Processors & Controllers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active

[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 18-pin package and is upwards compatible with the PIC16C7x, PIC16C62xA, PIC16C5X and PIC12CXXX devices. The PIC16F88 features 8 MHz internal oscillator, 256 bytes of EEPROM data memory, a capture/compare/PWM, an Addressable USART, 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, 7 channels of 10-bit Analog-to-Digital (A/D) converter and 2 Comparators that make it ideal for advantage analog / integrated level applications in automotive, industrial, appliances and consumer applications.

### Key Features

35 (14-bit wide) easy instructions to learn

8 level hardware stack

1 (9-bit) file select register

Hardware interrupt handling

32kHz to 8MHz internal oscillator

256bytes of EEPROM data memory

Brown-out reset (BOR)

Power on reset (POR)

Internal voltage reference (Bandgap)

Two 8-bit digital timers

One 16-bit digital timer

1x Capture/Compare/PWM (CCP)

1x Enhanced Capture/Compare/PWM (ECCP)

In-Circuit Serial Programming™ (ICSP™)

## 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