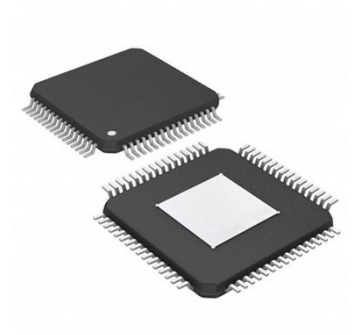



## MCU 8-bit PIC RISC 128KB Flash 2.5V/3.3V/5V Automotive 64-Pin TQFP T/R



Images are for reference only

<b>Manufacturer:</b>	<a href="#">Microchip Technology, Inc</a>
<b>Package/Case:</b>	TQFP-64
<b>Product Type:</b>	Embedded Processors & Controllers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active

[Inquiry](#)

### General Description

Featuring nanoWatt XLP Technology, this 8-bit microcontroller is well suited for power-constrained and battery-powered applications. The Charge Time Measurement Unit (CTMU) simplifies the design of capacitive touch applications and can enable other applications requiring precise time and/or temperature measurement. Robust features such as wide operating voltage and temperature ranges and high endurance flash program and data EEPROM make this an excellent microcontroller for rugged automotive and industrial applications. Additional peripherals, such as a 12-bit A/D converter, 3 comparators H/W RTCC, 10 total CCP/ECCP channels, 11 total timers and 53 general purpose I/O, give this cost-effective microcontroller seemingly limitless possibilities in a variety of applications where high performance with low cost is required.

## Key Features

Simple 33 (12-bit wide) instruction set

2 level hardware stack

1 (8-bit) file select register

Smallest form factor

Programmable brown-out reset (BOR)

Programmable low voltage detection

Power on reset (POR)

32kHz to 16MHz internal oscillator

Hardware RTCC

Watch dog timer (WDT)

Internal voltage reference (Bandgap)

Charge time measurement unit (CTMU)

Six 8-bit digital timers

Five 16-bit digital timers

7x Capture/Compare/PWM (CCP)

3x Enhanced Capture/Compare/PWM (ECCP)

16x Capacitive touch channels

In-Circuit Serial Programming™ (ICSP™)

1024bytes of EEPROM data memory

## 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