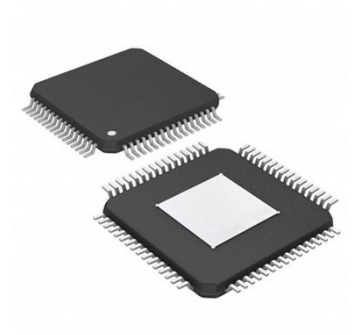



MCU 8-bit PIC RISC 128KB Flash 2.5V/3.3V/5V Automotive 64-Pin TQFP T/R



Images are for reference only

Manufacturer:	Microchip Technology, Inc
Package/Case:	64-TQFP
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	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

nanoWatt XLP technology for low sleep, RTCC, LCD and WDT currents

Low-Power BOR

Ultra Low-Power Wake-Up

Fast Wake-Up

Low Input Leakage Currents

Up to 16 MIPS Performance

Operating Speed up to 64 MHz

Operating Voltage Range: 1.8 to 5.5V

8 X 8 Single-Cycle Hardware Multiplier

Three Internal Oscillators: 31 kHz, 500 kHz, 16 MHz

Charge Time Measurement Unit for mTouch Sensing

A/D Converter

12-bit Resolution

16 Channels

Ten CCP/ECCP Modules

Eleven 8/16-bit Timer/Counter Modules

Three Analog Comparators

Hardware Real-Time Clock and Calendar (RTCC)

Two Master Synchronous Serial Port Modules

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