


MCU 8-bit PIC RISC 32KB Flash 2.5V/3.3V/5V Automotive 44-Pin TQFP T/R



Images are for reference only

[Inquiry](#)

Manufacturer:	Microchip Technology, Inc
Package/Case:	TQFP44
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

General Description

PIC18F45K80 is a high performance 8-bit MCU with Integrated ECAN™ featuring eXtreme Low Power consumption. New features in PIC18F45K80 include low sleep current for low power application, 1.8V to 5.5V operating voltage for automotive, building control, elevator control and industrial application, Timers/Enhanced Compare/Capture/PWMs for precision timing control, 12-bit ADC for advance analog interface and Charge Time Measurement Unit for easy capacitive touch user interface. The PIC18F45K80 family is ideal for applications requiring cost-effective, low-power CAN solutions with high performance and robust peripheral set.

Key Features

20 nA Sleep mode (Watch Webinar)

300nA Watch Dog Timer operation in Sleep modes

Integrated ECAN™ conforming to CAN 2.0B active specification

Extreme Low Power Sleep mode ideal for battery applications

Operating voltage 1.8V – 5.5V

Charge Time Measurement Unit (CTMU) supports Touch sensing and advanced sensing applications

11 ch, 12-bit ADC

4 Capture / Compare / PWM modules and 1 Enhanced Capture / Compare / PWM modules

1 MSSP serial ports for SPI or I2C™ communication

2 Enhanced USART modules

Two analog comparators

Digital Signal Modulator

Self programming Flash supports 10k erase/write cycles & 20 years retention

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