


MCU 8-bit PIC RISC 14KB Flash 5V 40-Pin PDIP Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	DIP40
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	NRND



Images are for reference only

[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 PIC16F87 features 8MHz internal oscillator, 256 bytes of EEPROM data memory, a capture/compare/PWM, an Addressable USART 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

In-Circuit Serial Programming™ (ICSP™)

Power on reset (POR)

Power-up timer (PWRT)

Oscillator start-up timer (OST)

Programmable code protection

Power saving SLEEP mode

In-circuit debugging via two pins

128bytes of EEPROM data memory

2x Capture/Compare/PWM (ECCP)

Two 8-bit digital timers

One 16-bit digital timers

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