
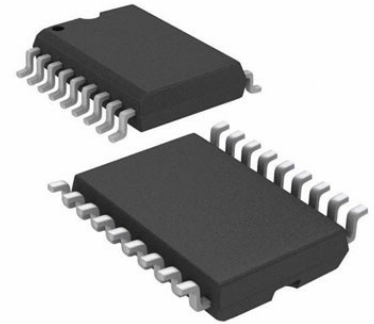


MCU 8-bit PIC RISC 3.5KB Flash 5V 18-Pin SOIC W Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	SOP18
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



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 PIC16F819 features 8MHz internal oscillator, 256 bytes of EEPROM data memory, a capture/compare/PWM, 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 and 5 channels of 10-bit Analog-to-Digital (A/D) converter that make it ideal for advantage analog / integrated level applications in automotive, industrial, appliances and consumer applications.

Key Features

In-Circuit Serial Programming™ (ICSP™) via two pins capability

Processor read/write access to program memory

Low-voltage programming

In-Circuit Debugging via two pins

EEPROM data retention of >40 years

100000 Erase/write cycles enhanced flash program memory typical

16 I/O pins with individual direction control

High sink/source current of 25mA

-40 to +85°C Temperature range (industrial)

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