


MCU 8-bit PIC RISC 32KB Flash 2.5V/3.3V/5V Automotive 28-Pin SPDIP Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	SPDIP-28
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

PIC18F25K80 is a high performance 8-bit MCU with Integrated ECAN™ featuring eXtreme Low Power consumption. New features in PIC18F25K80 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 PIC18F25K80 family is ideal for applications requiring cost-effective, low-power CAN solutions with high performance and robust peripheral set in small package

Key Features

- 20nA Sleep mode (watch webinar)
- 300nA Watch dog timer operation in sleep modes
- Integrated ECAN™ conforming to CAN 2.0B active specification
- 1 MSSP serial ports for SPI or I²C™ communication
- 2 Enhanced USART modules
- Two analogue comparators
- Self programming flash supports 10k erase/write cycles and 20-year retention
- Self-programmable under software control
- Priority levels for interrupts
- 8 x 8 Single-cycle hardware multiplier
- In-Circuit Serial Programming™ (ICSP™) via two pins
- In-Circuit Debug via two pins

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