


MCU 8-bit 8051 CISC 8KB Flash 3V 32-Pin LQFP Tray

Manufacturer:	Silicon Laboratories Inc
Package/Case:	LQFP32
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

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General Description

The C8051F35x mixed-signal 8-bit microcontroller (MCU) devices include a 16-bit or 24-bit sigma-delta ADC subsystem. The sub-system allows up to eight input channels with a programmable gain stage of up to 128 times. Two separate 8-bit DACs are also included.

With on-chip Power-On Reset, VDD monitor, Watchdog Timer, and a clock oscillator, the C8051F350/1/2/3 microcontroller devices are truly stand-alone system-on-a-chip solutions. The Flash memory can be reprogrammed even in-circuit, providing non-volatile data storage, and also allowing field upgrades of the 8051 firmware. User software has complete control of all peripherals and may individually shut down any or all peripherals for power savings.

Key Features

High-speed pipelined 8051-compatible microcontroller core

In-system, full-speed, non-intrusive debug interface

SMBus/I²C, enhanced UART and SPI serial interfaces implemented in hardware

On-chip voltage comparator

Precision programmable 24.5MHz internal oscillator

4 General-purpose 16-bit timers

Recommended For You

C8051F320-GQ

Silicon Laboratories Inc

QFP

C8051F120-GQ

Silicon Laboratories Inc

QFP

C8051F300-GMR

Silicon Laboratories Inc

QFN11

C8051F020-GQ

Silicon Laboratories Inc

TQFP100

C8051F300-GM

Silicon Laboratories Inc

QFN11

C8051F330-GM

Silicon Laboratories Inc

QFN

C8051F330-GMR

Silicon Laboratories Inc

QFN20

C8051F410-GQR

Silicon Laboratories Inc

LQFP32

C8051F040-GQ

Silicon Laboratories Inc

QFP100

C8051F321-GM

Silicon Laboratories Inc

QFN28

C8051F530-C-IT

Silicon Laboratories Inc

TSSOP20

C8051F503-IQ

Silicon Laboratories Inc

QFP

C8051F411-GMR

Silicon Laboratories Inc

QFN28

C8051F130-GQ

Silicon Laboratories Inc

TQFP100

C8051F582-IQ

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QFP