


## MCU 8-bit 8051 CISC 64KB Flash 3.3V 100-Pin TQFP Tray

<b>Manufacturer:</b>	<a href="#">Silicon Laboratories Inc</a>
<b>Package/Case:</b>	TQFP100
<b>Product Type:</b>	Embedded Processors & Controllers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	NRND



Images are for reference only

[Inquiry](#)

### General Description

The C8051F02x family devices are highly integrated mixed-signal MCUs featuring two separate high speed ADC sub-systems (either 10/12-bit, 100 ksp/s and 8-bit, 500 ksp/s). These devices also include two separate 12-bit DACs.

With on-chip VDD monitor, Watchdog Timer and clock oscillator, the C8051F020/1/2/3 devices are truly stand-alone System-on-a-Chip solutions. All analog and digital peripherals are enabled/disabled and configured by user firmware. The FLASH memory can be reprogrammed even in-circuit, providing non-volatile data storage, and also allowing field upgrades of the 8051 firmware.

### Key Features

- In-system, full-speed and non-intrusive debug interface
- SPI, SMBus/I<sup>2</sup>C and 2 UART serial interfaces implemented in hardware
- Five general purpose 16-bit timers
- Programmable counter/timer array with five capture/compare modules

### Recommended For You

#### C8051F320-GQ

Silicon Laboratories Inc  
QFP

#### C8051F120-GQ

Silicon Laboratories Inc  
QFP

#### C8051F300-GMR

Silicon Laboratories Inc  
QFN11

#### C8051F300-GM

Silicon Laboratories Inc  
QFN11

#### C8051F330-GM

Silicon Laboratories Inc  
QFN

#### C8051F330-GMR

Silicon Laboratories Inc  
QFN20

**C8051F410-GQR**

Silicon Laboratories Inc

LQFP32

**C8051F350-GQ**

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**

Silicon Laboratories Inc

QFP