


MCU 8-bit 8051 CISC 128KB Flash 3.3V 100-Pin TQFP Tray

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| Manufacturer: | Silicon Laboratories Inc |
| Package/Case: | QFP |
| Product Type: | Embedded Processors & Controllers |
| RoHS: | RoHS Compliant/Lead free  |
| Lifecycle: | NRND |



Images are for reference only

[Inquiry](#)

General Description

Key Features

High-speed pipelined 8051-compatible CIP-51 microcontroller core

In-system, full-speed, non-intrusive debug interface (on-chip)

True 12 or 10-bit 100ksps ADC with PGA and 8-channel analogue multiplexer

True 8-bit 500ksps ADC with PGA and 8-channel analogue multiplexer

Two 12-bit DACs with programmable update scheduling

2-cycle 16 by 16 Multiply and accumulate engine

128 or 64kB of In-system programmable flash memory

8448 (8k + 256) bytes of on-chip RAM

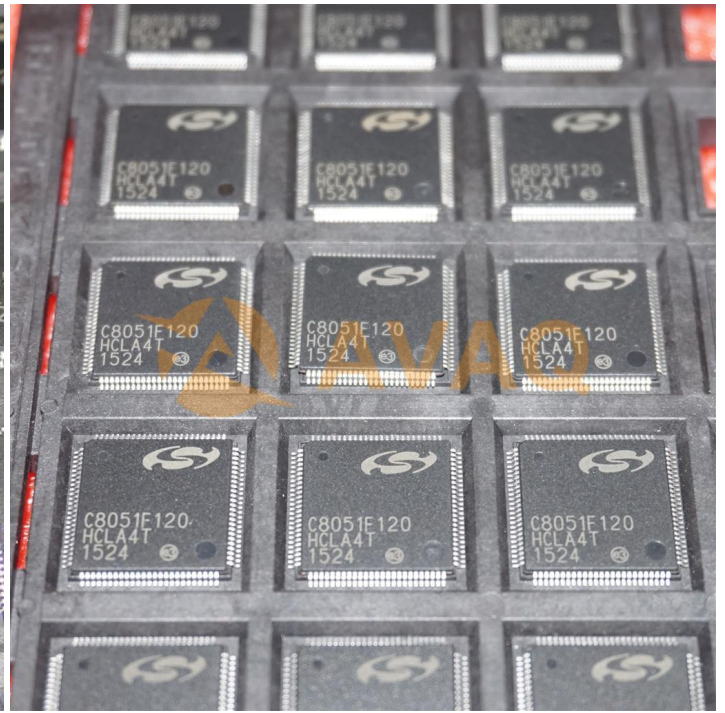
External data memory interface with 64kB address space

SPI, SMBus/I²C and (2) UART serial interfaces implemented in hardware

Five general purpose 16-bit timers

Programmable counter/timer array with 6 capture/compare modules

On-chip watchdog timer, VDD monitor and temperature sensor



Recommended For You

C8051F320-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

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

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QFP