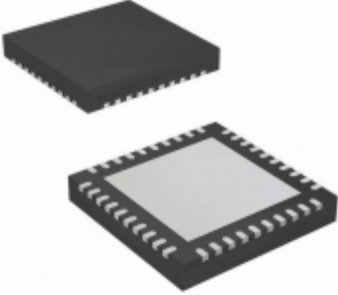


C8051F590-IM



**SILICON LABS**

Part Number: [C8051F590-IM](#)

Manufacturer: [Energy Micro \(Silicon Labs\)](#)

Description: IC MCU 8BIT 96KB FLASH 40QFN

Data sheet:  [C8051F58x/F59x](#)
 [C8051F58x/59x Errata](#)

RoHS Status: Lead free / RoHS Compliant

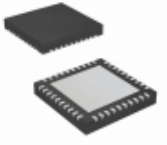
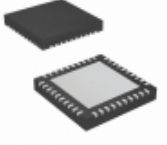
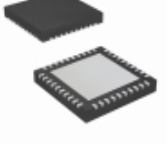
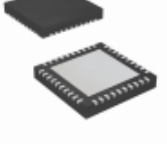
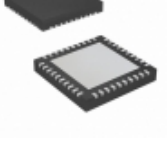
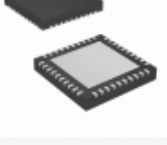
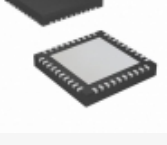
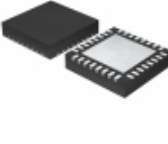
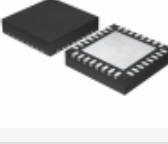
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
See Product Specifications for product details.
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Request For Quotation

PRODUCT PARAMETER			
Part Number	C8051F590-IM	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 96KB FLASH 40QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	10828 pcs	Data sheet	C8051F58x/F59x C8051F58x/59x Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.25 V
Supplier Device Package	40-QFN (6x6)	Speed	50MHz
Series	C8051F59x	RAM Size	8.25K x 8
Program Memory Type	FLASH	Program Memory Size	96KB (96K x 8)
Peripherals	POR, PWM, Temp Sensor, WDT	Packaging	Tube
Package / Case	40-VFQFN Exposed Pad	Other Names	336-1582-5
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	33	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	6 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	8051 C8051F59x Microcontroller IC 8-Bit 50MHz 96KB (96K x 8) FLASH 40-QFN (6x6)
Data Converters	A/D 32x12b	Core Size	8-Bit
Core Processor	8051	Connectivity	EBI/EMI, SMBus (2-Wire/I ² C), CANbus, LINbus, SPI, UART/USART
Base Part Number	C8051F59		
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	Part#: C8051F589-IM Description: IC MCU 8BIT 128KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F587-IQR Description: IC MCU 8BIT 96KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F589-IMR Description: IC MCU 8BIT 128KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F587-IQ Description: IC MCU 8BIT 96KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F586-IQR Description: IC MCU 8BIT 96KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F700-GQR Description: IC MCU 8BIT 15KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F700-GQ Description: IC MCU 8BIT 15KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F590-IMR Description: IC MCU 8BIT 96KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F701-GQR Description: IC MCU 8BIT 15KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F591-IM Description: IC MCU 8BIT 96KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F701-GQ Description: IC MCU 8BIT 15KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F700DK Description: DEV KIT FOR C8051F700	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F702-GQ Description: IC MCU 8BIT 16KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F586-IQ Description: IC MCU 8BIT 96KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F588-IM Description: IC MCU 8BIT 128KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F591-IMR Description: IC MCU 8BIT 96KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F700-TB Description: BOARD PROTOTYPE WITH C8051F700	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F588-IMR Description: IC MCU 8BIT 128KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F587-IMR Description: IC MCU 8BIT 96KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F587-IM Description: IC MCU 8BIT 96KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ

Related keywords for C8051F590-IM			
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