

C8051F311-GM



**SILICON LABS**

Part Number: [C8051F311-GM](#)

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

Description IC MCU 8BIT 16KB FLASH 28QFN

Data sheet:  [C8051F310-17](#)

RoHs Status: Lead free / RoHS Compliant

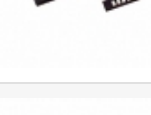
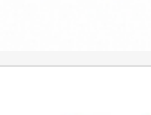
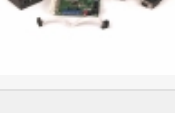
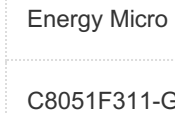
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PRODUCT PARAMETER			
Part Number	C8051F311-GM	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 16KB FLASH 28QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	19291 pcs	Data sheet	C8051F310-17
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Supplier Device Package	28-QFN (5x5)	Speed	25MHz
Series	C8051F31x	RAM Size	1.25K x 8
Program Memory Type	FLASH	Program Memory Size	16KB (16K x 8)
Peripherals	POR, PWM, Temp Sensor, WDT	Packaging	Tube
Package / Case	28-VFQFN Exposed Pad	Other Names	336-1254 C8051F311GM
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	25	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	8051 C8051F31x Microcontroller IC 8-Bit 25MHz 16KB (16K x 8) FLASH 28-QFN (5x5)	Data Converters	A/D 17x10b
Core Size	8-Bit	Core Processor	8051
Connectivity	SMBus (2-Wire/I ² C), SPI, UART/USART	Base Part Number	C8051F31
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	Part#: C8051F312 Description: IC MCU 8BIT 8KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F314 Description: IC MCU 8BIT 8KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F313-GMR Description: IC MCU 8BIT 8KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F310DK-K Description: DEV KIT FOR C8051F310/F311	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F310DK-B Description: DEV KIT FOR C8051F310/F311	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F310R Description: IC MCU 8BIT 16KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F312-GQ Description: IC MCU 8BIT 8KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F310DK-U Description: DEV KIT FOR C8051F310/F311	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F311R Description: IC MCU 8BIT 16KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F310DK-E Description: DEV KIT FOR C8051F310/F311	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F310DK-H Description: DEV KIT FOR C8051F310/F311	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F310DK-A Description: DEV KIT FOR C8051F310/F311	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F313-GM Description: IC MCU 8BIT 8KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F314-GQ Description: IC MCU 8BIT 8KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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