

C8051F312



SILICON LABS



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Part Number: C8051F312

Manufacturer: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 8KB FLASH 32LQFP

Data sheet:  C8051F310-17

RoHs Status: Contains lead / RoHS non-compliant

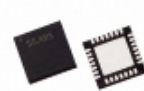
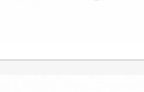
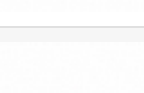
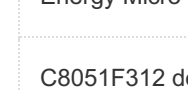
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Request For Quotation

PRODUCT PARAMETER			
Part Number	C8051F312	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 8KB FLASH 32LQFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	5099 pcs	Data sheet	C8051F310-17
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Supplier Device Package	32-LQFP (7x7)	Speed	25MHz
Series	C8051F31x	RAM Size	1.25K x 8
Program Memory Type	FLASH	Program Memory Size	8KB (8K x 8)
Peripherals	POR, PWM, Temp Sensor, WDT	Packaging	Tray
Package / Case	32-LQFP	Other Names	336-1151
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	29	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	EEPROM Size	-
Detailed Description	8051 C8051F31x Microcontroller IC 8-Bit 25MHz 8KB (8K x 8) FLASH 32-LQFP (7x7)	Data Converters	A/D 21x10b
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#: C8051F311R Description: IC MCU 8BIT 16KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F313-GMR Description: IC MCU 8BIT 8KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F310DK-J Description: DEV KIT FOR C8051F310/F311	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F310DK-T Description: DEV KIT FOR C8051F310/F311	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F314 Description: IC MCU 8BIT 8KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F313 Description: IC MCU 8BIT 8KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F310DK-K Description: DEV KIT FOR C8051F310/F311	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F311-GM Description: IC MCU 8BIT 16KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F314-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#: C8051F312-GQR Description: IC MCU 8BIT 8KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F311 Description: IC MCU 8BIT 16KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F312-GQ Description: IC MCU 8BIT 8KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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