

EFM8LB12F32ES0-B-QFN32



**SILICON LABS**

Part Number: [EFM8LB12F32ES0-B-QFN32](#)

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

Description IC MCU 8BIT 32KB FLASH 32QFN

Data sheet:  [EFM8LB1 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

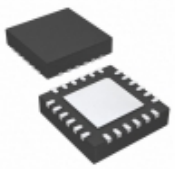
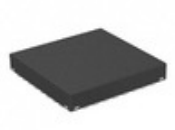
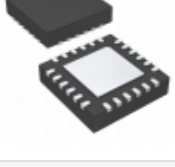
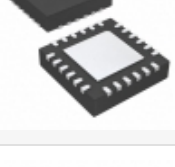
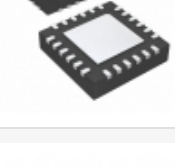
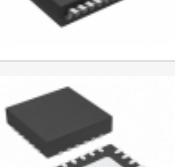
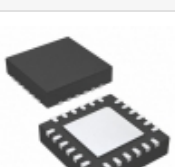
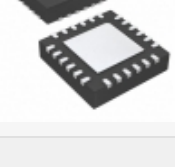
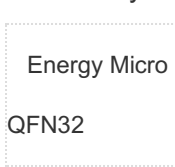
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PRODUCT PARAMETER			
Part Number	EFM8LB12F32ES0-B-QFN32	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 32KB FLASH 32QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	86520 pcs	Data sheet	EFM8LB1 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.2 V ~ 3.6 V
Supplier Device Package	32-QFN (4x4)	Speed	72MHz
Series	Laser Bee	RAM Size	2.25K x 8
Program Memory Type	FLASH	Program Memory Size	32KB (32K x 8)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tray
Package / Case	32-UFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	29
Moisture Sensitivity Level (MSL)	2 (1 Year)	Manufacturer Standard Lead Time	6 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	CIP-51 8051 Laser Bee Microcontroller IC 8-Bit 72MHz 32KB (32K x 8) FLASH 32-QFN (4x4)	Data Converters	A/D 20x14b, D/A 4x12b
Core Size	8-Bit	Core Processor	CIP-51 8051
Connectivity	I ² C, SMBus, SPI, UART/USART		
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	Part#: EFM8LB12F64E-A-QFP32R Description: IC MCU 8BIT 64KB FLASH 32QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM8LB12F32E-B-QSOP24R Description: IC MCU 8BIT 32KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8LB12F32ES0-B-QFN24R Description: IC MCU 8BIT 32KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8LB12F32E-B-QFP32 Description: IC MCU 8BIT 32KB FLASH 32QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8LB12F64E-A-QFP32 Description: IC MCU 8BIT 64KB FLASH 32QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8LB12F32E-B-QFN24R Description: IC MCU 8BIT 32KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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