

EFM8LB12F32E-A-QFN32R



**SILICON LABS**

Part Number: [EFM8LB12F32E-A-QFN32R](#)

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

Description: IC MCU 8BIT 32KB FLASH 32QFN

Data sheet:  [EFM8LB1 Datasheet Rev A](#)

RoHs Status: Lead free / RoHS Compliant

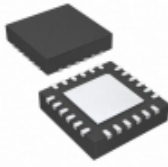
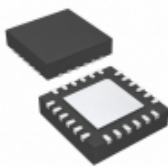
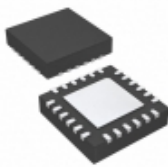
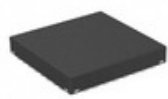
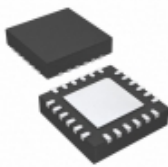
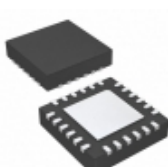
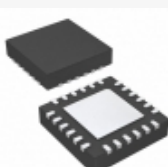
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PRODUCT PARAMETER			
Part Number	EFM8LB12F32E-A-QFN32R	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 32KB FLASH 32QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4810 pcs	Data sheet	EFM8LB1 Datasheet Rev A
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	Tape & Reel (TR)
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)	3 (168 Hours)	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	I²C, SMBus, SPI, UART/USART
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