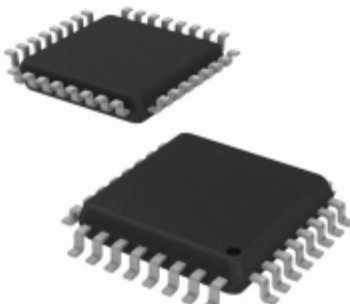


EFM8BB31F16I-B-QFP32R



**SILICON LABS**

Part Number: [EFM8BB31F16I-B-QFP32R](#)

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

Description: IC MCU 8BIT 16KB FLASH 32QFP

Data sheet:  [EFM8BB3 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

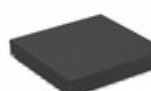
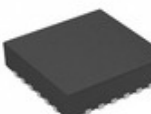
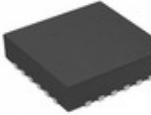
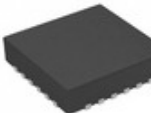
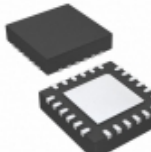
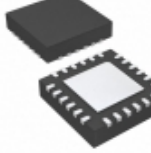
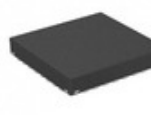
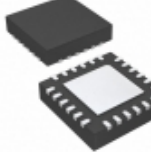
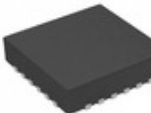
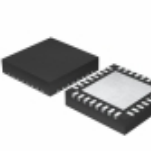
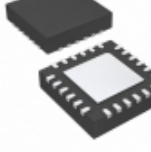
Ship From: Hong Kong

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

Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EFM8BB31F16I-B-QFP32R	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 16KB FLASH 32QFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	69715 pcs	Data sheet	EFM8BB3 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.2 V ~ 3.6 V
Supplier Device Package	32-QFP (7x7)	Speed	50MHz
Series	Busy Bee	RAM Size	2.25K x 8
Program Memory Type	FLASH	Program Memory Size	16KB (16K x 8)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	32-TQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	28
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 Busy Bee Microcontroller IC 8-Bit 50MHz 16KB (16K x 8) FLASH 32-QFP (7x7)	Data Converters	A/D 20x12b, D/A 2x12b
Core Size	8-Bit	Core Processor	CIP-51 8051
Connectivity	I ² C, SMBus, SPI, UART/USART		
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RELATED PRODUCTS			
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	Part#: EFM8BB31F32A-B-5QFN32R Description: EFM8 8051 8-BIT MCU, AEC-Q100, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F32G-A-QFN32 Description: IC MCU 8BIT 32KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16G-B-QSOP24R Description: IC MCU 8BIT 16KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16G-B-QSOP24 Description: IC MCU 8BIT 16KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F32A-B-4QFN24 Description: EFM8 8051 8-BIT MCU, AEC-Q100, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16I-B-QSOP24R Description: IC MCU 8BIT 16KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16I-B-4QFN24 Description: EFM8 8051 8-BIT MCU, INDUSTRIAL	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16I-B-QSOP24 Description: IC MCU 8BIT 16KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16I-B-QFP32 Description: IC MCU 8BIT 16KB FLASH 32QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F32G-A-QFN24R Description: IC MCU 8BIT 32KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F32A-B-5QFN32 Description: EFM8 8051 8-BIT MCU, AEC-Q100, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16I-B-QFN32R Description: IC MCU 8BIT 16KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16I-B-QFN24R Description: IC MCU 8BIT 16KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16I-B-QFN32 Description: IC MCU 8BIT 16KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F32G-A-QFN24 Description: IC MCU 8BIT 32KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F32A-B-4QFN24R Description: EFM8 8051 8-BIT MCU, AEC-Q100, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16I-B-5QFN32R Description: EFM8 8051 8-BIT MCU, INDUSTRIAL	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16I-B-QFN24 Description: IC MCU 8BIT 16KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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