

EFM8BB31F16G-A-QFN32



**SILICON LABS**

Part Number: [EFM8BB31F16G-A-QFN32](#)

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

Description: IC MCU 8BIT 16KB FLASH 32QFN

Data sheet:  [EFM8BB3 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

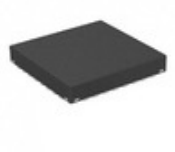
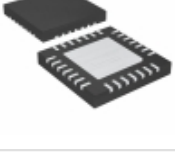
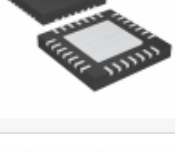
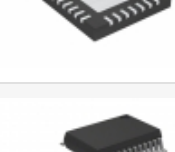
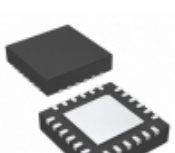
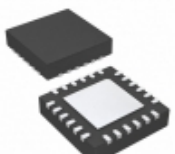
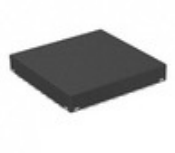
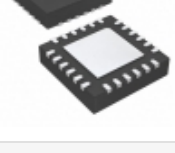
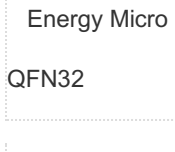
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PRODUCT PARAMETER			
Part Number	EFM8BB31F16G-A-QFN32	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 16KB FLASH 32QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	91520 pcs	Data sheet	EFM8BB3 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.2 V ~ 3.6 V
Supplier Device Package	32-QFN (4x4)	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	Tube
Package / Case	32-UFQFN Exposed Pad	Other Names	336-3441-5
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	29	Moisture Sensitivity Level (MSL)	6 (Time on Label)
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-QFN (4x4)	Data Converters	A/D 20x12b, D/A 2x12b
Core Size	8-Bit	Core Processor	CIP-51 8051
Connectivity	I²C, SMBus, SPI, UART/USART		
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	Part#: EFM8BB31F16G-A-QFP32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 32QFP		
	Part#: EFM8BB31F16G-A-QFN32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 32QFN		
	Part#: EFM8BB22F16I-C-QFN28R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 28QFN		
	Part#: EFM8BB22F16I-C-QFN28	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 28QFN		
	Part#: EFM8BB31F16G-A-QFP32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 32QFP		
	Part#: EFM8BB31F16A-B-5QFN32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: EFM8 8051 8-BIT MCU, AEC-Q100, A		
	Part#: EFM8BB22F16G-C-QFN28R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 28QFN		
	Part#: EFM8BB31F16G-A-QSOP24	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 24QSOP		
	Part#: EFM8BB31F16A-B-4QFN24	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: EFM8 8051 8-BIT MCU, AEC-Q100, A		
	Part#: EFM8BB31F16A-B-5QFN32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: EFM8 8051 8-BIT MCU, AEC-Q100, A		
	Part#: EFM8BB22F16G-C-QFN28	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 28QFN		
	Part#: EFM8BB31F16A-B-4QFN24R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: EFM8 8051 8-BIT MCU, AEC-Q100, A		
	Part#: EFM8BB31F16G-A-QFN24	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 24QFN		
	Part#: EFM8BB31F16G-B-QFN24R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 24QFN		
	Part#: EFM8BB31F16G-B-QFN32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 32QFN		
	Part#: EFM8BB31F16G-B-QFP32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 32QFP		
	Part#: EFM8BB31F16G-B-QFN24	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM8BB31F16G-A-QSOP24R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 24QSOP		
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	Description: IC MCU 8BIT 16KB FLASH 32QFN		
	Part#: EFM8BB22F16G-B-QFN28R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 16KB FLASH 28QFN		

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