

EFM8BB31F32I-B-QSOP24R



**SILICON LABS**

Part Number: [EFM8BB31F32I-B-QSOP24R](#)

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

Description: IC MCU 8BIT 32KB FLASH 24QSOP

Data sheet:  [EFM8BB3 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

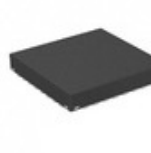
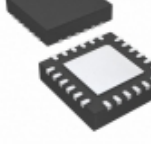
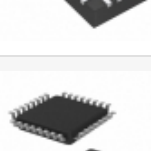
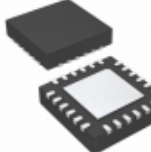
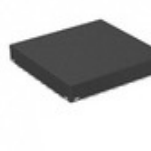
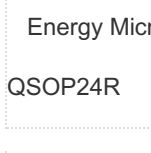
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PRODUCT PARAMETER			
Part Number	EFM8BB31F32I-B-QSOP24R	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 32KB FLASH 24QSOP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	83669 pcs	Data sheet	EFM8BB3 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.2 V ~ 3.6 V
Supplier Device Package	24-QSOP	Speed	50MHz
Series	Busy 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	24-SSOP (0.154", 3.90mm Width)	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	21
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 32KB (32K x 8) FLASH 24-QSOP	Data Converters	A/D 13x12b, D/A 2x12b
Core Size	8-Bit	Core Processor	CIP-51 8051
Connectivity	I²C, SMBus, SPI, UART/USART		
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RELATED PRODUCTS			
	Part#: EFM8BB31F32I-B-QFP32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 32KB FLASH 32QFP		
	Part#: EFM8BB31F32I-B-QFN32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 32KB FLASH 32QFN		
	Part#: EFM8BB31F64G-A-QFN24	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 64KB FLASH 24QFN		
	Part#: EFM8BB31F64A-B-5QFN32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: EFM8 8051 8-BIT MCU, AEC-Q100, A		
	Part#: EFM8BB31F32I-B-QSOP24	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 32KB FLASH 24QSOP		
	Part#: EFM8BB31F32I-B-QFP32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 32KB FLASH 32QFP		
	Part#: EFM8BB31F64A-B-4QFN24R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: EFM8 8051 8-BIT MCU, AEC-Q100, A		
	Part#: EFM8BB31F64A-B-5QFN32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: EFM8 8051 8-BIT MCU, AEC-Q100, A		
	Part#: EFM8BB31F32I-B-QFN24R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 32KB FLASH 24QFN		
	Part#: EFM8BB31F64G-A-QFP32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 64KB FLASH 32QFP		
	Part#: EFM8BB31F64G-A-QFP32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 8BIT 64KB FLASH 32QFP		
	Part#: EFM8BB31F32I-B-5QFN32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: EFM8 8051 8-BIT MCU, INDUSTRIAL		
	Part#: EFM8BB31F32I-B-4QFN24R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM8BB31F64G-A-QFN32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM8BB31F32I-B-QFN24	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM8BB31F32I-B-QFN32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Description: IC MCU 8BIT 64KB FLASH 24QFN		

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