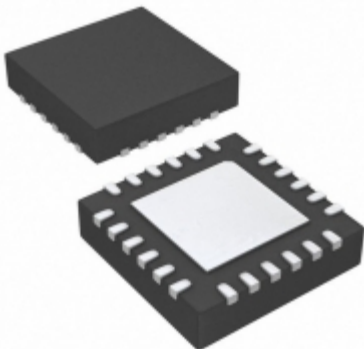


EFM8BB31F32G-B-QFN24R





SILICON LABS

Part Number: [EFM8BB31F32G-B-QFN24R](#)

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

Description: IC MCU 8BIT 32KB FLASH 24QFN

Data sheet:  [EFM8BB3 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

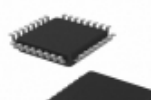
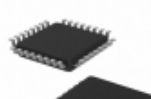
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                  |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | EFM8BB31F32G-B-QFN24R                     | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 32KB FLASH 24QFN              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 94339 pcs                                 | Data sheet                       | <a href="#">EFM8BB3 Datasheet</a>                                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.2 V ~ 3.6 V                                                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 24-QFN (3x3)                              | 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                        | Original-Reel®                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 24-VFQFN Exposed Pad                      | Other Names                      | 336-4850-6                                                                            |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20                                        | 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-QFN (3x3) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A/D 12x12b, A/D 2x12b                     | Core Size                        | 8-Bit                                                                                 |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CIP-51 8051                               | Connectivity                     | I²C, SMBus, SPI, UART/USART                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                            |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EFM8BB31F32G-B-QFN32</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFN       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32I-B-5QFN32</a><br>Description: EFM8 8051 8-BIT MCU, INDUSTRIAL   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-B-QFP32R</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-A-QSOP24R</a><br>Description: IC MCU 8BIT 32KB FLASH 24QSOP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-A-QSOP24</a><br>Description: IC MCU 8BIT 32KB FLASH 24QSOP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-A-QFN32R</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32I-B-5QFN32R</a><br>Description: EFM8 8051 8-BIT MCU, INDUSTRIAL  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-B-QFN24</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-A-QFN24R</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32I-B-4QFN24R</a><br>Description: EFM8 8051 8-BIT MCU, INDUSTRIAL  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-B-QSOP24</a><br>Description: IC MCU 8BIT 32KB FLASH 24QSOP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-B-QFN32R</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32A-B-5QFN32R</a><br>Description: EFM8 8051 8-BIT MCU, AEC-Q100, A | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-B-QFP32</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-A-QFN32</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFN       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-A-QFN24</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-B-QSOP24R</a><br>Description: IC MCU 8BIT 32KB FLASH 24QSOP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-A-QFP32</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32G-A-QFP32R</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8BB31F32I-B-4QFN24</a><br>Description: EFM8 8051 8-BIT MCU, INDUSTRIAL   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |

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