

**EFM8BB31F32I-B-QFP32R Information**


For Reference Only

**Part Number** [EFM8BB31F32I-B-QFP32R](#)  
**Manufacturer** Silicon Labs  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 8BIT 32KB FLASH 32QFP  
**Package** 32-TQFP  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**EFM8BB31F32I-B-QFP32R Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">EFM8BB31F32I-B-QFP32R</a>                                    |
| Manufacturer               | Silicon Labs   |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 32-TQFP  |
| Series                     | Automotive, AEC-Q100, Busy Bee   |
| Core Processor             | CIP-51 8051  |
| Core Size                  | 8-Bit  |
| Speed                      | 50MHz  |
| Connectivity               | I2C, SMBus, SPI, UART/USART  |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, WDT                                    |
| Number of I/O              | 28   |
| Program Memory Size        | 32KB (32K x 8)   |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 2.25K x 8  |
| Voltage - Supply (Vcc/Vdd) | 2.2 V ~ 3.6 V  |
| Data Converters            | A/D 20x12b, D/A 2x12b  |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 125°C (TA)   |
| Mounting Type              | -  |
| Package / Case             | 32-TQFP  |
| Supplier Device Package    | 32-QFP (7x7)   |

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## EFM8BB31F32I-B-QFP32R Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## EFM8BB31F32I-B-QFP32R Payment Methods



## EFM8BB31F32I-B-QFP32R Shipping Methods



If you have any question about EFM8BB31F32I-B-QFP32R, please do not hesitate to contact us!

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