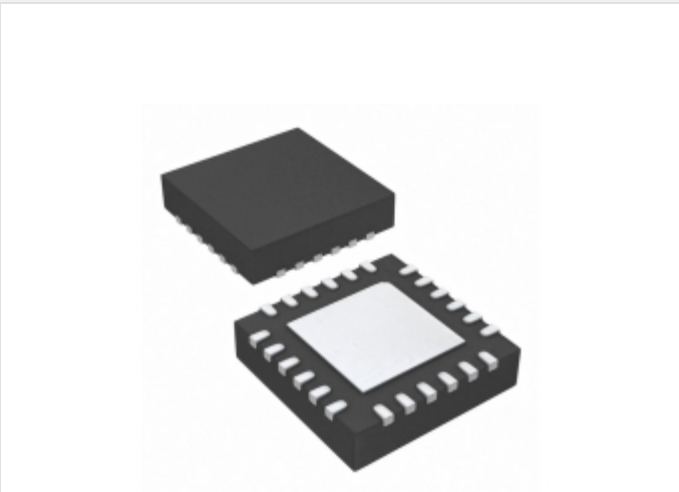


EFM32HG309F32G-B-QFN24R



**SILICON LABS**

**Part Number:** [EFM32HG309F32G-B-QFN24R](#)

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

**Description:** IC MCU 32BIT 32KB FLASH 24QFN

**Data sheet:**  [EFM32HG309](#)  
 [EFM32 Product Introduction](#)

**RoHs Status:** Lead free / RoHS Compliant

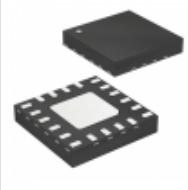
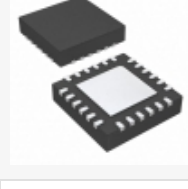
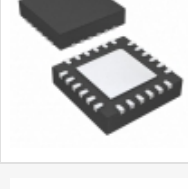
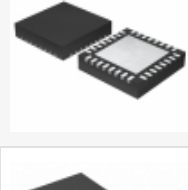
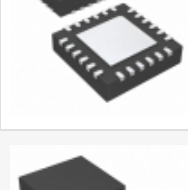
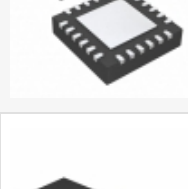
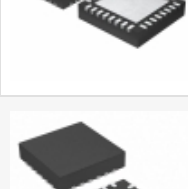
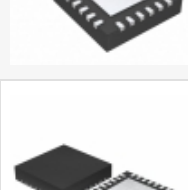
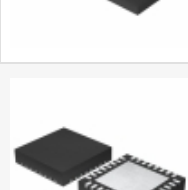
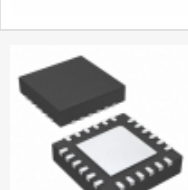
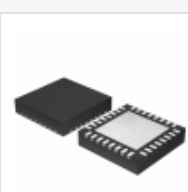
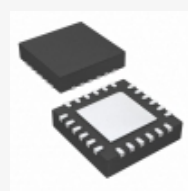
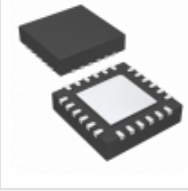
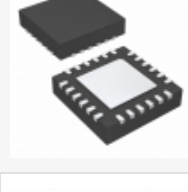
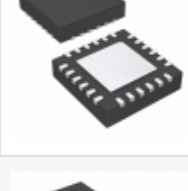
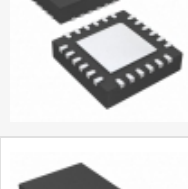
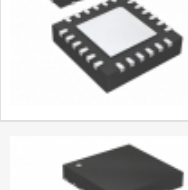
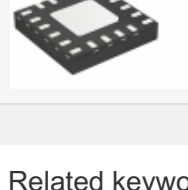
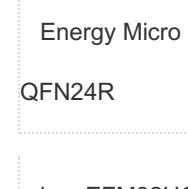
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
**Buy EFM32HG309F32G-B-QFN24R with confidence**  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                |                                 |                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EFM32HG309F32G-B-QFN24R                                                                        | Manufacturer                    | <a href="#">Energy Micro (Silicon Labs)</a>                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 32BIT 32KB FLASH 24QFN                                                                  | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 75470 pcs                                                                                      | Data sheet                      | <a href="#">EFM32HG309</a><br><a href="#">EFM32 Product Introduction</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                                      | Voltage - Supply (Vcc/Vdd)      | 1.98 V ~ 3.8 V                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 24-QFN (5x5)                                                                                   | Speed                           | 25MHz                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Happy Gecko                                                                                    | RAM Size                        | 8K x 8                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                                                                          | Program Memory Size             | 32KB (32K x 8)                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT                                   | Packaging                       | Tape & Reel (TR)                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 24-VQFN Exposed Pad                                                                            | Oscillator Type                 | Internal                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 85°C (TA)                                                                              | Number of I/O                   | 15                                                                       |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 (168 Hours)                                                                                  | Manufacturer Standard Lead Time | 6 Weeks                                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lead free / RoHS Compliant                                                                     | EEPROM Size                     | -                                                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ARM® Cortex®-M0+ Happy Gecko Microcontroller IC 32-Bit 25MHz 32KB (32K x 8) FLASH 24-QFN (5x5) | Data Converters                 | A/D 4x12b                                                                |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 32-Bit                                                                                         | Core Processor                  | ARM® Cortex®-M0+                                                         |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I <sup>2</sup> C, IrDA, SmartCard, SPI, UART/USART, USB                                        |                                 |                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                            |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EFM32HG308F32G-B-QFN24</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG309F32G-B-QFN24</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG308F64G-B-QFN24</a><br>Description: IC MCU 32BIT 64KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG310F32G-A-QFN32</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG308F64G-A-QFN24</a><br>Description: IC MCU 32BIT 64KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG308F32G-A-QFN24R</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG310F64G-A-QFN32</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG309F32G-A-QFN24</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG310F32G-A-QFN32R</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG310F32G-B-QFN32</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG310F32G-B-QFN32R</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG309F32G-A-QFN24R</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG310F64G-A-QFN32R</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG309F64G-B-QFN24</a><br>Description: IC MCU 32BIT 64KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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Related keywords for EFM32HG309F32G-B-QFN24R

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