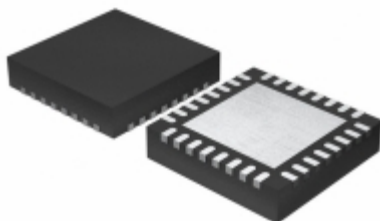


EFM32HG210F64G-A-QFN32



**SILICON LABS**

**Part Number:** [EFM32HG210F64G-A-QFN32](#)

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

**Description:** IC MCU 32BIT 64KB FLASH 32QFN

**Data sheet:**  [EFM32HG210 Preliminary](#)  
 [EFM32 Product Introduction](#)

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

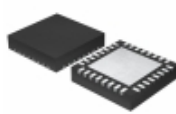
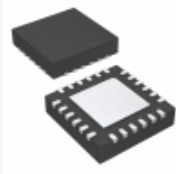
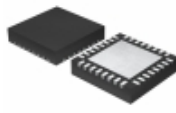
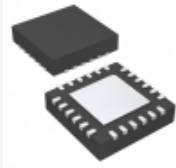
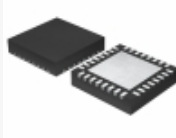
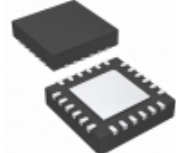
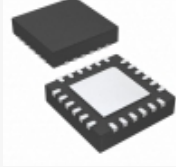
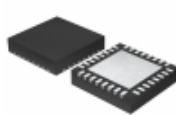
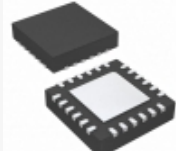
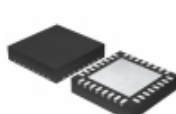
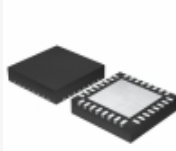
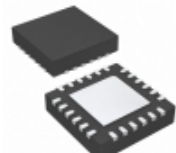
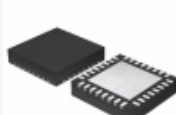
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                |                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EFM32HG210F64G-A-QFN32                                                                         | Manufacturer <a href="#">Energy Micro (Silicon Labs)</a>                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 32BIT 64KB FLASH 32QFN                                                                  | Lead Free Status / RoHS StatusLead free / RoHS Compliant                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 52749 pcs                                                                                      | Data sheet <a href="#">EFM32HG210 Preliminary</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 32-QFN (6x6)                                                                                   | Speed25MHz                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Happy Gecko                                                                                    | RAM Size8K x 8                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                                                                          | Program Memory Size64KB (64K x 8)                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT                                   | PackagingTray                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 32-VFQFN Exposed Pad                                                                           | Other Names336-3201                                                                             |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Internal                                                                                       | Operating Temperature-40°C ~ 85°C (TA)                                                          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 24                                                                                             | Moisture Sensitivity Level (MSL)3 (168 Hours)                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                                                                     | EEPROM Size-                                                                                    |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ARM® Cortex®-M0+ Happy Gecko Microcontroller IC 32-Bit 25MHz 64KB (64K x 8) FLASH 32-QFN (6x6) | Data ConvertersA/D 4x12b                                                                        |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32-Bit                                                                                         | Core ProcessorARM® Cortex®-M0+                                                                  |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | I <sup>2</sup> C, IrDA, SmartCard, SPI, UART/USART                                             |                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                                                   |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
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|  | Part#: <a href="#">EFM32HG222F32G-B-QFP48</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG222F32G-B-QFP48R</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG110F32G-B-QFN24R</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG210F32G-B-QFN32</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG110F64G-B-QFN24R</a><br>Description: IC MCU 32BIT 64KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG222F64G-B-QFP48</a><br>Description: IC MCU 32BIT 64KB FLASH 48TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG210F32G-A-QFN32R</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG110F64G-B-QFN24</a><br>Description: IC MCU 32BIT 64KB FLASH 24QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG110F32G-B-QFN24</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG222F32G-A-QFP48R</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG222F64G-A-QFP48R</a><br>Description: IC MCU 32BIT 64KB FLASH 48TQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG210F64G-A-QFN32R</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG222F32G-A-QFP48</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG222F64G-A-QFP48</a><br>Description: IC MCU 32BIT 64KB FLASH 48TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG110F64G-A-QFN24</a><br>Description: IC MCU 32BIT 64KB FLASH 24QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG210F64G-B-QFN32R</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
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|  | Part#: <a href="#">EFM32HG110F64G-A-QFN24R</a><br>Description: IC MCU 32BIT 64KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32HG210F64G-B-QFN32</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a><br><a href="#">RFQ</a> |

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