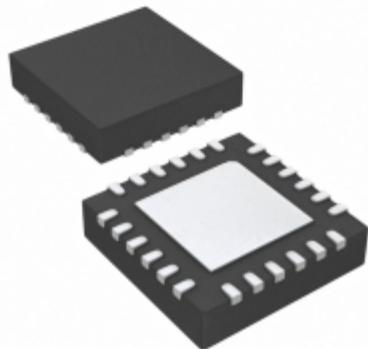


EFM32TG108F32-QFN24T



**SILICON LABS**

**Part Number:** [EFM32TG108F32-QFN24T](#)

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

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

**Data sheet:**  [EFM32TG Ref Manual](#)  
 [EFM32TG108 Errata](#)  
 [EFM32TG108 Datasheet](#)

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

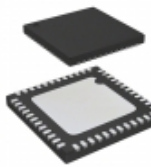
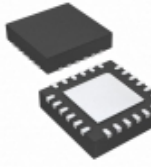
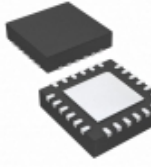
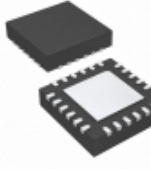
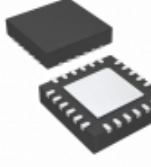
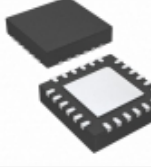
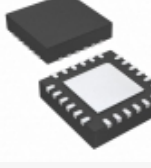
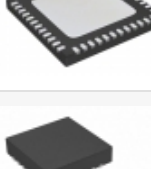
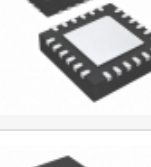
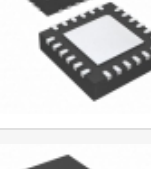
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |                                  |                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | EFM32TG108F32-QFN24T                       | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 61744 pcs                                  | Data sheet                       | <a href="#">EFM32TG Ref Manual</a><br><a href="#">EFM32TG108 Errata</a><br><a href="#">EFM32TG108 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.85 V ~ 3.8 V                                                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 24-QFN (5x5)                               | Speed                            | 32MHz                                                                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tiny Gecko                                 | RAM Size                         | 4K x 8                                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                      | Program Memory Size              | 32KB (32K x 8)                                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Tray                                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 24-VQFN Exposed Pad                        | Other Names                      | 336-4579<br>EFM32TG108F32-QFN24-T<br>EFM32TG108F32-QFN24T-ND<br>EFM32TG108F32-T<br>EFM32TG108F32-T-ND           |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 17                                         | 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®-M3 Tiny Gecko Microcontroller IC 32-Bit 32MHz 32KB (32K x 8) FLASH 24-QFN (5x5)                    |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                          | Core Size                        | 32-Bit                                                                                                          |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-M3                            | Connectivity                     | EBI/EMI, I²C, IrDA, SmartCard, SPI, UART/USART                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                            |                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EFM32PG1B200F256GM48-C0</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG108F4-QFN24T</a><br>Description: IC MCU 32BIT 4KB FLASH 24QFN        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG110F4-QFN24</a><br>Description: IC MCU 32BIT 4KB FLASH 24QFN         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG110F32-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="#">EFM32TG108F16-QFN24</a><br>Description: IC MCU 32BIT 16KB FLASH 24QFN       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG108F8-QFN24T</a><br>Description: IC MCU 32BIT 8KB FLASH 24QFN        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG-STK3300</a><br>Description: KIT STARTER EFM32 GECKO                 | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG108F16-QFN24T</a><br>Description: IC MCU 32BIT 16KB FLASH 24QFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32PG1B200F256IM48-C0R</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32PG1B200F256IM32-C0R</a><br>Description: IC MCU 32BIT 256KB FLASH 32QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32PG1B200F256IM48-C0</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG110F16-QFN24T</a><br>Description: IC MCU 32BIT 16KB FLASH 24QFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG110F16-QFN24</a><br>Description: IC MCU 32BIT 16KB FLASH 24QFN       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG108F4-QFN24</a><br>Description: IC MCU 32BIT 4KB FLASH 24QFN         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32PG1B200F256GM48-C0R</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG108F8-QFN24</a><br>Description: IC MCU 32BIT 8KB FLASH 24QFN         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32PG1B200F256IM32-C0</a><br>Description: IC MCU 32BIT 256KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG108F32-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="#">EFM32TG110F32-QFN24T</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG110F4-QFN24T</a><br>Description: IC MCU 32BIT 4KB FLASH 24QFN        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |

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