

EFM32TG822F8-QFP48T



**SILICON LABS**

**Part Number:** [EFM32TG822F8-QFP48T](#)

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

**Description:** IC MCU 32BIT 8KB FLASH 48TQFP

**Data sheet:**  [EFM32TG Ref Manual](#)  
 [EFM32TG822 Datasheet](#)

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

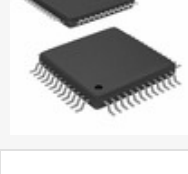
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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                   |                                  |                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EFM32TG822F8-QFP48T                                               | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 8KB FLASH 48TQFP                                     | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 48563 pcs                                                         | Data sheet                       | <a href="#">EFM32TG Ref Manual</a><br><a href="#">EFM32TG822 Datasheet</a>                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                         | Voltage - Supply (Vcc/Vdd)       | 1.85 V ~ 3.8 V                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 48-TQFP (7x7)                                                     | Speed                            | 32MHz                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tiny Gecko                                                        | RAM Size                         | 2K x 8                                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                                             | Program Memory Size              | 8KB (8K x 8)                                                                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT | Packaging                        | Tray                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 48-TQFP                                                           | Other Names                      | EFM32TG822F8-QFP48-T<br>EFM32TG822F8-T<br>EFM32TG822F8-T-ND                                 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                                          | Operating Temperature            | -40°C ~ 85°C (TA)                                                                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 37                                                                | 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 8KB (8K x 8) FLASH 48-TQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 4x12b, D/A 1x12b                                              | Core Size                        | 32-Bit                                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ARM® Cortex®-M3                                                   | Connectivity                     | I <sup>2</sup> C, IrDA, SmartCard, SPI, UART/USART                                          |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Energy Micro (Silicon Labs) series electronic components. We have 48563 pieces of Energy Micro (Silicon Labs) EFM32TG822F8-QFP48T in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                   |                                  |                                                                                             |

| RELATED PRODUCTS                                                                   |                                                                                             |                                                            |                     |
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|  | Part#: <a href="#">EFM32TG840F16-QFN64</a><br>Description: IC MCU 32BIT 16KB FLASH 64QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG840F16-QFN64T</a><br>Description: IC MCU 32BIT 16KB FLASH 64QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32TG825F32-BGA48</a><br>Description: IC MCU 32BIT 32KB FLASH 48VFBGA  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">EFM32TG232F8-QFP64</a><br>Description: IC MCU 32BIT 8KB FLASH 64TQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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Related keywords for EFM32TG822F8-QFP48T

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