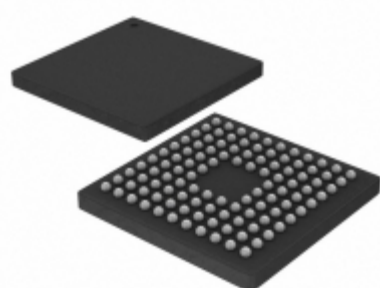


EFM32LG290F128G-E-BGA112



**SILICON LABS**

**Part Number:** [EFM32LG290F128G-E-BGA112](#)

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

**Description:** IC MCU 32BIT 128KB FLASH 112BGA

**Data sheet:**  [EFM32LG Ref Manual](#)  
 [EFM32\(LG\) Errata](#)  
 [EFM32\(LG\) Family Datasheet](#)

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

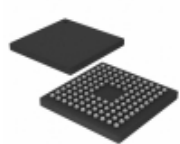
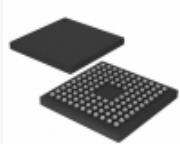
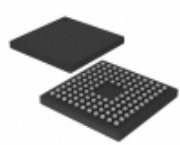
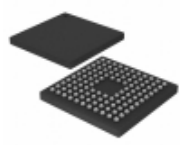
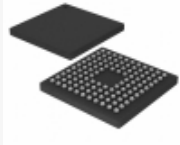
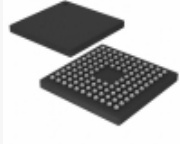
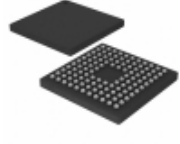
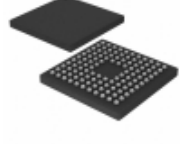
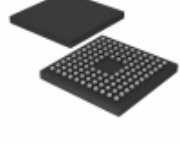
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
**Buy EFM32LG290F128G-E-BGA112 with confidence**  
from Component-World.HK, 1 Year Warranty

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |                                  |                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EFM32LG290F128G-E-BGA112                   | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 128KB FLASH 112BGA            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32274 pcs                                  | Data sheet                       | <a href="#">EFM32LG Ref Manual</a><br><a href="#">EFM32(LG) Errata</a><br><a href="#">EFM32(LG) Family Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.85 V ~ 3.8 V                                                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 112-LFBGA (10x10)                          | Speed                            | 48MHz                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Leopard Gecko                              | RAM Size                         | 32K x 8                                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                      | Program Memory Size              | 128KB (128K x 8)                                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Tray                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 112-LFBGA                                  | Other Names                      | 336-4566<br>EFM32LG290F128G-E-BGA112-ND                                                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                    |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 90                                         | 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 Leopard Gecko Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH 112-LFBGA (10x10)               |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 8x12b, D/A 2x12b                       | Core Size                        | 32-Bit                                                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ARM® Cortex®-M3                            | Connectivity                     | EBI/EMI, I²C, 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 32274 pieces of Energy Micro (Silicon Labs) EFM32LG290F128G-E-BGA112 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                                                                   |                                                                                                   |                                                            |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EFM32LG290F256G-E-BGA112R</a><br>Description: IC MCU 32BIT 256KB FLASH 112BGA  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG290F128G-E-BGA112R</a><br>Description: IC MCU 32BIT 128KB FLASH 112BGA  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG290F128-BGA112T</a><br>Description: IC MCU 32BIT 128KB FLASH 112BGA     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG280F64G-E-QFP100R</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG290F64-BGA112</a><br>Description: IC MCU 32BIT 64KB FLASH 112BGA        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG280F256-QFP100</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG295F128-BGA120</a><br>Description: IC MCU 32BIT 128KB FLASH 120BGA      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG280F256G-E-QFP100R</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG280F256-QFP100T</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG290F256-BGA112T</a><br>Description: IC MCU 32BIT 256KB FLASH 112BGA     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG280F64G-E-QFP100</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG290F256G-E-BGA112</a><br>Description: IC MCU 32BIT 256KB FLASH 112BGA   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG290F256-BGA112</a><br>Description: IC MCU 32BIT 256KB FLASH 112BGA      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG280F256G-E-QFP100</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG290F128-BGA112</a><br>Description: IC MCU 32BIT 128KB FLASH 112BGA      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG290F64G-E-BGA112</a><br>Description: IC MCU 32BIT 64KB FLASH 112LFBGA   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG290F64-BGA112T</a><br>Description: IC MCU 32BIT 64KB FLASH 112BGA       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG280F64-QFP100</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG290F64G-E-BGA112R</a><br>Description: IC MCU 32BIT 64KB FLASH 112LFBGA  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32LG280F64-QFP100T</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |

Related keywords for **EFM32LG290F128G-E-BGA112**

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