

EFM32LG290F64G-E-BGA112



SILICON LABS



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**Part Number:** [EFM32LG290F64G-E-BGA112](#)

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

**Description:** IC MCU 32BIT 64KB FLASH 112LFBGA

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

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

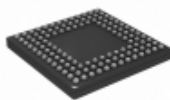
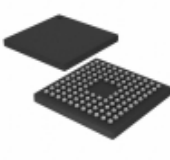
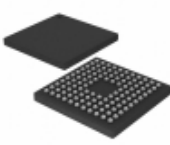
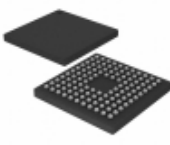
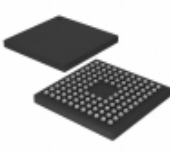
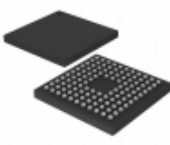
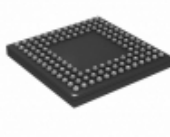
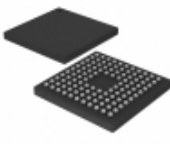
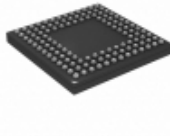
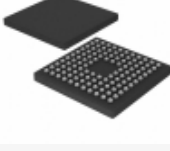
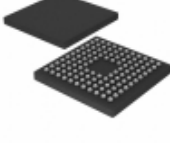
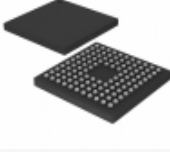
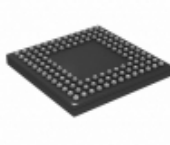
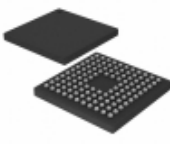
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                      |                                 |                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EFM32LG290F64G-E-BGA112                                                                              | Manufacturer                    | <a href="#">Energy Micro (Silicon Labs)</a>                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 32BIT 64KB FLASH 112LFBGA                                                                     | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 33310 pcs                                                                                            | Data sheet                      | <a href="#">EFM32(LG) Errata</a><br><a href="#">EFM32(LG) Family</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                                            | Voltage - Supply (Vcc/Vdd)      | <a href="#">Datasheet</a><br>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             | 64KB (64K x 8)                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                           | Packaging                       | Tray                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 112-LFBGA                                                                                            | 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 64KB (64K 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                                                       |                                 |                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                                  |                                                            |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EFM32LG295F256G-E-BGA120R</a><br>Description: IC MCU 32BIT 256KB FLASH 120BGA | 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="#">EFM32LG290F128G-E-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="#">EFM32LG295F64-BGA120</a><br>Description: IC MCU 32BIT 64KB FLASH 120BGA       | 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="#">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="#">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="#">EFM32LG295F128-BGA120T</a><br>Description: IC MCU 32BIT 128KB FLASH 120BGA    | 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="#">EFM32LG295F256G-E-BGA120</a><br>Description: IC MCU 32BIT 256KB FLASH 120BGA  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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Related keywords for EFM32LG290F64G-E-BGA112

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