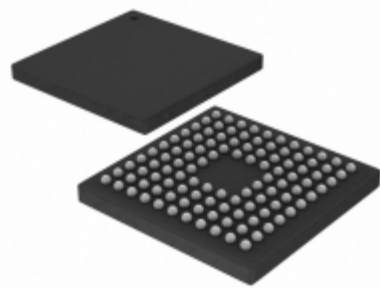


EFM32WG390F256-BGA112T



**SILICON LABS**

**Part Number:** [EFM32WG390F256-BGA112T](#)

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

**Description:** IC MCU 32BIT 256KB FLASH 112BGA

**Data sheet:**  [EFM32WG Reference Manual](#)  
 [EFM32WG Family Errata](#)  
 [EFM32WG390](#)

**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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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                      |                                 |                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EFM32WG390F256-BGA112T                                                               | Manufacturer                    | <a href="#">Energy Micro (Silicon Labs)</a>                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 32BIT 256KB FLASH 112BGA                                                      | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 19945 pcs                                                                            | Data sheet                      | <a href="#">EFM32WG Reference Manual</a><br><a href="#">EFM32WG Family Errata</a><br><a href="#">EFM32WG390</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                                            | Voltage - Supply (Vcc/Vdd)      | 1.85 V ~ 3.8 V                                                                                                  |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 48MHz                                                                                | Series                          | Wonder Gecko                                                                                                    |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 32K x 8                                                                              | Program Memory Type             | FLASH                                                                                                           |
| Program Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 256KB (256K x 8)                                                                     | Peripherals                     | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT                                                    |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tray                                                                                 | Package / Case                  | 112-LFBGA                                                                                                       |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EFM32WG390F256-BGA112-T<br>EFM32WG390F256-T<br>EFM32WG390F256-T-ND                   | Oscillator Type                 | Internal                                                                                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 85°C (TA)                                                                    | Number of I/O                   | 86                                                                                                              |
| 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®-M4F Wonder Gecko Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH | Data Converters                 | A/D 8x12b, D/A 2x12b                                                                                            |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32-Bit                                                                               | Core Processor                  | ARM® Cortex®-M4F                                                                                                |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | EBI/EMI, I <sup>2</sup> C, IrDA, SmartCard, SPI, UART/USART, USB                     |                                 |                                                                                                                 |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Energy Micro (Silicon Labs) series electronic components. We have 19945 pieces of Energy Micro (Silicon Labs) EFM32WG390F256-BGA112T 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> |                                                                                      |                                 |                                                                                                                 |

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|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">EFM32WG380F256-QFP100T</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG380F64-QFP100T</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG380F128-QFP100</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG380F256-QFP100</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG395F128-BGA120T</a><br>Description: IC MCU 32BIT 128KB FLASH 120BGA  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG395F64-BGA120</a><br>Description: IC MCU 32BIT 64KB FLASH 120BGA     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG840F128-QFN64</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG390F256-BGA112</a><br>Description: IC MCU 32BIT 256KB FLASH 112BGA   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG840F128-QFN64T</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG380F64-QFP100</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG390F128-BGA112</a><br>Description: IC MCU 32BIT 128KB FLASH 112BGA   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG395F64-BGA120T</a><br>Description: IC MCU 32BIT 64KB FLASH 120BGA    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG395F256-BGA120T</a><br>Description: IC MCU 32BIT 256KB FLASH 120BGA  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">EFM32WG395F128-BGA120</a><br>Description: IC MCU 32BIT 128KB FLASH 120BGA   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG395F256-BGA120</a><br>Description: IC MCU 32BIT 256KB FLASH 120BGA   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32WG360F64G-A-CSP81R</a><br>Description: IC MCU 32BIT 64KB FLASH 81CSP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
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