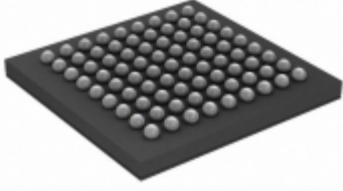


EFM32WG360F64G-A-CSP81



**SILICON LABS**

**Part Number:** [EFM32WG360F64G-A-CSP81](#)

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

**Description:** IC MCU 32BIT 64KB FLASH 81CSP

**Data sheet:**  [EFM32WG Reference Manual](#)  
 [EFM32WG360 Datasheet](#)  
 [EFM32WG Family Errata](#)  
 [EFM32WG360 Errata](#)

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

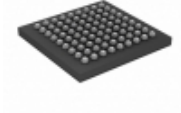
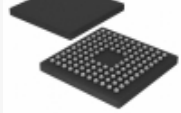
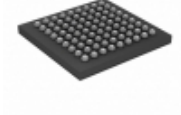
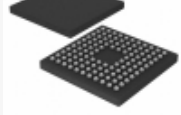
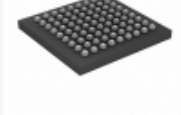
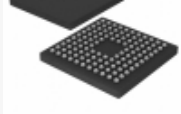
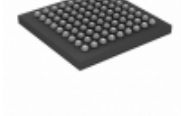
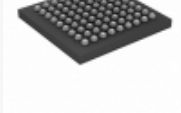
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
**Buy EFM32WG360F64G-A-CSP81 with confidence from Component-World.HK, 1 Year Warranty**

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |                                  |                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EFM32WG360F64G-A-CSP81                                       | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 32BIT 64KB FLASH 81CSP                                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 24897 pcs                                                    | Data sheet                       | <a href="#">EFM32WG Reference Manual</a><br><a href="#">EFM32WG360 Datasheet</a><br><a href="#">EFM32WG Family Errata</a><br><a href="#">EFM32WG360 Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                    | Voltage - Supply (Vcc/Vdd)       | 1.98 V ~ 3.8 V                                                                                                                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 81-CSP (4.35x4.27)                                           | Speed                            | 48MHz                                                                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Wonder Gecko                                                 | RAM Size                         | 32K x 8                                                                                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                                        | Program Memory Size              | 64KB (64K x 8)                                                                                                                                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT | Packaging                        | Strip                                                                                                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 81-UFBGA, CSPBGA                                             | Other Names                      | 336-3082                                                                                                                                                       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Internal                                                     | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 65                                                           | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                  |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6 Weeks                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                     |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                            | Detailed Description             | ARM® Cortex®-M4 Wonder Gecko Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH 81-CSP (4.35x4.27)                                                           |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A/D 8x12b, D/A 1x12b                                         | Core Size                        | 32-Bit                                                                                                                                                         |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ARM® Cortex®-M4                                              | Connectivity                     | I <sup>2</sup> C, IrDA, SmartCard, SPI, UART/USART, USB OTG                                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                            |                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EFM32WG332F128-QFP64T</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG332F256-QFP64</a><br>Description: IC MCU 32BIT 256KB FLASH 64TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG332F256-QFP64T</a><br>Description: IC MCU 32BIT 256KB FLASH 64TQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG380F128-QFP100T</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG380F256-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="#">EFM32WG380F64-QFP100T</a><br>Description: IC MCU 32BIT 64KB FLASH 100LQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG332F64-QFP64T</a><br>Description: IC MCU 32BIT 64KB FLASH 64TQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG380F128-QFP100</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG360F256G-A-CSP81</a><br>Description: IC MCU 32BIT 256KB FLASH 81CSP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG390F128-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="#">EFM32WG360F128G-A-CSP81</a><br>Description: IC MCU 32BIT 128KB FLASH 81CSP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG390F256-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="#">EFM32WG332F64-QFP64</a><br>Description: IC MCU 32BIT 64KB FLASH 64TQFP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG360F64G-A-CSP81R</a><br>Description: IC MCU 32BIT 64KB FLASH 81CSP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG332F128-QFP64</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG390F128-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="#">EFM32WG360F256G-A-CSP81R</a><br>Description: IC MCU 32BIT 256KB FLASH 81CSP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32WG380F256-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="#">EFM32WG380F64-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="#">EFM32WG360F128G-A-CSP81R</a><br>Description: IC MCU 32BIT 128KB FLASH 81CSP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |

|                                                    |                                                    |                                     |                                                    |
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