

EFM32GG380F1024-QFP100



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Part Number: [EFM32GG380F1024-QFP100](#)

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

Description: IC MCU 32BIT 1MB FLASH 100LQFP

Data sheet:  [EFM32GG Ref Manual](#)  
 [EFM32 Product Introduction](#)  
 [EFM32GG380](#)

RoHs Status: Lead free / RoHS Compliant

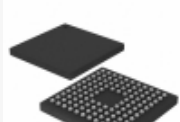
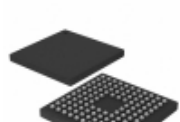
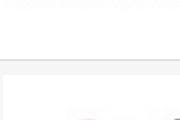
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                 |                                  |                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EFM32GG380F1024-QFP100                                                                          | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 32BIT 1MB FLASH 100LQFP                                                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 13278 pcs                                                                                       | Data sheet                       | <a href="#">EFM32GG Ref Manual</a><br><a href="#">EFM32 Product Introduction</a><br><a href="#">EFM32GG380</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                                                       | Voltage - Supply (Vcc/Vdd)       | 1.85 V ~ 3.8 V                                                                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100-LQFP (14x14)                                                                                | Speed                            | 48MHz                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Giant Gecko                                                                                     | RAM Size                         | 128K x 8                                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                                                                           | Program Memory Size              | 1MB (1M x 8)                                                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                      | Packaging                        | Tape & Reel (TR)                                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100-LQFP                                                                                        | Other Names                      | 914-1047-2<br>EFM32GG380F1024<br>EFM32GG380F1024-ND                                                            |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Internal                                                                                        | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 83                                                                                              | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                                                                      | EEPROM Size                      | -                                                                                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ARM® Cortex®-M3 Giant Gecko Microcontroller IC 32-Bit 48MHz 1MB (1M x 8) FLASH 100-LQFP (14x14) | 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, USB                                             |                                  |                                                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                                   |                                                            |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EFM32GG380F512-QFP100T</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG380F512G-E-QFP100</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG332F1024-QFP64</a><br>Description: IC MCU 32BIT 1MB FLASH 64TQFP        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG390F1024G-E-BGA112</a><br>Description: IC MCU 32BIT 1MB FLASH 112BGA    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG390F1024-BGA112T</a><br>Description: IC MCU 32BIT 1MB FLASH 112BGA      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG330F512G-E-QFN64</a><br>Description: IC MCU 32BIT 512KB FLASH 64QFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG380F512-QFP100</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG390F1024-BGA112</a><br>Description: IC MCU 32BIT 1MB FLASH 112BGA       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG380F1024-QFP100T</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG380F1024G-E-QFP100R</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG330F512G-E-QFN64R</a><br>Description: IC MCU 32BIT 512KB FLASH 64QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG332F512G-E-QFP64</a><br>Description: IC MCU 32BIT 512KB FLASH 64TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG332F512G-E-QFP64R</a><br>Description: IC MCU 32BIT 512KB FLASH 64TQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG380F512G-E-QFP100R</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG332F1024-QFP64T</a><br>Description: IC MCU 32BIT 1MB FLASH 64TQFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG332F512-QFP64</a><br>Description: IC MCU 32BIT 512KB FLASH 64TQFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32GG332F1024G-E-QFP64R</a><br>Description: IC MCU 32BIT 1MB FLASH 64TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
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