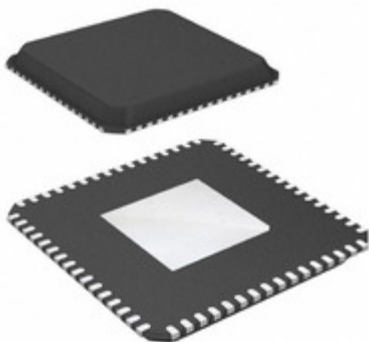


EFM32GG11B840F1024GM64-B





SILICON LABS

Part Number: [EFM32GG11B840F1024GM64-B](#)

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

Description: GIANT GECKO 11 ULTRA LOW POWER M

Data sheet:  [EFM32GG11 Family Preliminary](#)

RoHs Status: Lead free / RoHS Compliant

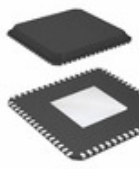
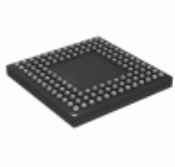
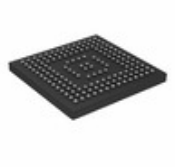
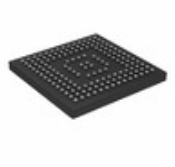
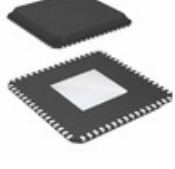
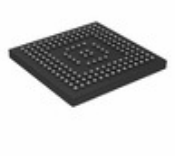
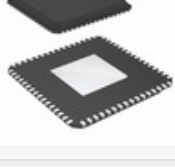
Ship From: Hong Kong

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                                                                                                                                                                                                                                                                                                                                                                                                                                   | EFM32GG11B840F1024GM64-B                                                                         | Manufacturer                    | <a href="#">Energy Micro (Silicon Labs)</a>  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                   | GIANT GECKO 11 ULTRA LOW POWER M                                                                 | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                            | 10279 pcs                                                                                        | Data sheet                      | <a href="#">EFM32GG11 Family Preliminary</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                        | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                       | 64-QFN (9x9)                                                                                     | Speed                           | 72MHz                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                        | Giant Gecko S1                                                                                   | RAM Size                        | 512K x 8                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                                            | Program Memory Size             | 1MB (1M x 8)                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                  | Packaging                       | Tray                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                | 64-WFQFN Exposed Pad                                                                             | Oscillator Type                 | Internal                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                                                                                | Number of I/O                   | 50                                           |
| 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®-M4 Giant Gecko S1 Microcontroller IC 32-Bit 72MHz 1MB (1M x 8) FLASH 64-QFN (9x9)   | Data Converters                 | A/D 16x12b SAR, D/A 2x12b                    |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32-Bit                                                                                           | Core Processor                  | ARM® Cortex®-M4                              |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                  | CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SmartCard, SPI, UART/USART, USB |                                 |                                              |
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|  | Part#: <a href="#">EFM32GG11B840F1024GM64-BR</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GQ100-A</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GQ100-AR</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024IL120-A</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GL152-A</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GL152-BR</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GL152-B</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GQ100-B</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GQ64-AR</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GQ64-BR</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GM64-AR</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GL192-A</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GL152-AR</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GQ64-A</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GQ100-BR</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GL192-B</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
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|  | Part#: <a href="#">EFM32GG11B840F1024GL192-AR</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GQ64-B</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |
|  | Part#: <a href="#">EFM32GG11B840F1024GM64-A</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | RFQ |

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