



Energy Micro (Silicon Labs)

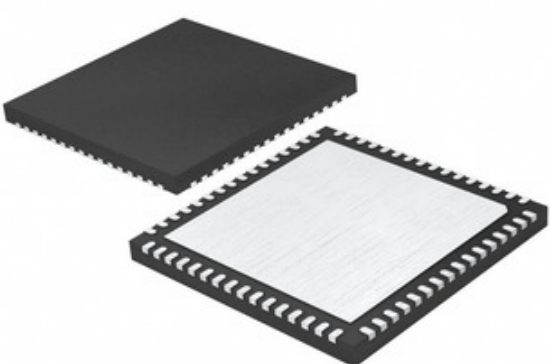


Image may be representation. See specifications for product details.

EFM32GG940F512-QFN64

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32GG940F512-QFN64                                                                                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 32BIT 512KB FLASH 64QFN                                                                               |
|                     |  1.EFM32GG940F512-QFN64.pdf |
|                     |  2.EFM32GG940F512-QFN64.pdf |
|                     |  3.EFM32GG940F512-QFN64.pdf |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

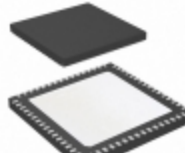
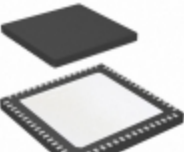
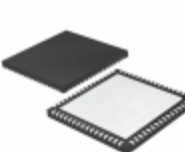
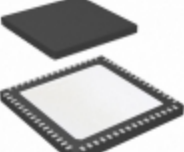
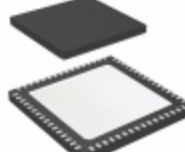
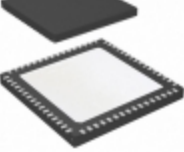
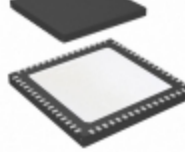
Specifications of EFM32GG940F512-QFN64

|                                  |                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32GG940F512-QFN64                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 64QFN                                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                         |
| DATA SHEET                       |  1.EFM32GG940F512-QFN64.pdf<br> 2.EFM32GG940F512-QFN64.pdf<br> 3.EFM32GG940F512-QFN64.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.85 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 64-QFN (9x9)                                                                                                                                                                                                                                                                                                                                       |
| SPEED                            | 48MHz                                                                                                                                                                                                                                                                                                                                              |
| SERIES                           | Giant Gecko                                                                                                                                                                                                                                                                                                                                        |
| RAM SIZE                         | 128K x 8                                                                                                                                                                                                                                                                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                              |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                                                                                                                                                                                                                                                   |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                    |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 64-WFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                               |
| OTHER NAMES                      | EFM32GG940F512<br>EFM32GG940F512-ND                                                                                                                                                                                                                                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                  |
| NUMBER OF I/O                    | 53                                                                                                                                                                                                                                                                                                                                                 |
| 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 512KB (512K x 8) FLASH 64-QFN (9x9)                                                                                                                                                                                                                                                    |
| DATA CONVERTERS                  | A/D 8x12b, D/A 2x12b                                                                                                                                                                                                                                                                                                                               |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                             |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                                                                                                                                                    |
| CONNECTIVITY                     | I²C, IrDA, SmartCard, SPI, UART/USART                                                                                                                                                                                                                                                                                                              |

Related Tags

|                                                  |                                         |                                                      |
|--------------------------------------------------|-----------------------------------------|------------------------------------------------------|
| Energy Micro (Silicon Labs) EFM32GG940F512-QFN64 | EFM32GG940F512-QFN64 Distributor        | EFM32GG940F512-QFN64 Supplier                        |
| EFM32GG940F512-QFN64 Price                       | EFM32GG940F512-QFN64 Pictures           | EFM32GG940F512-QFN64 Image                           |
| EFM32GG940F512-QFN64 PDF Datasheet               | EFM32GG940F512-QFN64 Download Datasheet | EFM32GG940F512-QFN64 Datasheet                       |
| EFM32GG940F512-QFN64 Stock                       | Buy EFM32GG940F512-QFN64                | Buy Energy Micro (Silicon Labs) EFM32GG940F512-QFN64 |
| Energy Micro (Silicon Labs) EFM32GG940F512-QFN64 | Energy Micro (Silicon Labs) Supplier    | Energy Micro (Silicon Labs) Distributor              |
| Energy Micro (Silicon Labs) EFM32GG940F512-QFN64 | Energy Micro EFM32GG940F512-QFN64       | Energy Micro (Silicon Labs) EFM32GG940F512-QFN64     |
| Silicon Laboratories EFM32GG940F512-QFN64        | Silicon Labs EFM32GG940F512-QFN64       |                                                      |

Related Products

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>EFM32GG942F1024-QFP64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>     |  <div><b>EFM32GG940F1024G-E-QFN64R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 975 pcs<br/><div>RFQ</div></div>   |
|  <div><b>EFM32GG900F512G-E-D1I</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH DIE<br/>In stock: Out stock<br/><div>RFQ</div></div>      |  <div><b>EFM32GG900F512G-D-D1I</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH DIE<br/>In stock: Out stock<br/><div>RFQ</div></div>     |
|  <div><b>EFM32GG940F512G-E-QFN64R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>EFM32GG940F512-QFN64T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>EFM32GG940F1024-QFN64T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 220 pcs<br/><div>RFQ</div></div>       |  <div><b>EFM32GG940F1024G-E-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 205 pcs<br/><div>RFQ</div></div>    |
|  <div><b>EFM32GG942F1024G-E-QFP64</b><br/>Manufacturers: Silicon Labs<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>                 |  <div><b>EFM32GG942F1024-QFP64T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>EFM32GG940F1024-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>      |  <div><b>EFM32GG940F512G-E-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div> |