



SILICON LABS

Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

EFM32GG942F512G-E-QFP64

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32GG942F512G-E-QFP64                                                                                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                     |
| Product description | IC MCU 32BIT 512KB FLASH 64TQFP                                                                                 |
|                     |  1.EFM32GG942F512G-E-QFP64.pdf |
|                     |  2.EFM32GG942F512G-E-QFP64.pdf |
|                     |  3.EFM32GG942F512G-E-QFP64.pdf |
| Datasheets:         |                                                                                                                 |
| RoHs Status         |  Lead free / RoHS Compliant    |
| Stock Condition     | 19802 pcs stock                                                                                                 |
| Ship From           | Hong Kong                                                                                                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                           |

REQUEST FOR QUOTATION

Specifications of EFM32GG942F512G-E-QFP64

|                                  |                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32GG942F512G-E-QFP64                                                                                                                                                                                                                                                                                                                                     |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 64TQFP                                                                                                                                                                                                                                                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                  |
| QUANTITY AVAILABLE               | 19802 pcs                                                                                                                                                                                                                                                                                                                                                   |
| DATA SHEET                       |  1.EFM32GG942F512G-E-QFP64.pdf<br> 2.EFM32GG942F512G-E-QFP64.pdf<br> 3.EFM32GG942F512G-E-QFP64.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.98 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                             |
| 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                        | Tray                                                                                                                                                                                                                                                                                                                                                        |
| PACKAGE / CASE                   | 64-TQFP                                                                                                                                                                                                                                                                                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                           |
| NUMBER OF I/O                    | 50                                                                                                                                                                                                                                                                                                                                                          |
| 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-TQFP (10x10)                                                                                                                                                                                                                                                          |
| 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) EFM32GG942F512G-E-QFP64 | EFM32GG942F512G-E-QFP64 Distributor        | EFM32GG942F512G-E-QFP64 Supplier                        |
| EFM32GG942F512G-E-QFP64 Price                       | EFM32GG942F512G-E-QFP64 Pictures           | EFM32GG942F512G-E-QFP64 Image                           |
| EFM32GG942F512G-E-QFP64 PDF Datasheet               | EFM32GG942F512G-E-QFP64 Download Datasheet | EFM32GG942F512G-E-QFP64 Datasheet                       |
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| Silicon Laboratories EFM32GG942F512G-E-QFP64        | Silicon Labs EFM32GG942F512G-E-QFP64       |                                                         |

Related Products

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                       |
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|  <div>EFM32GG942F512-QFP64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/>In stock: 14295 pcs</div> <div>RFQ</div>     |  <div>EFM32GG942F1024G-E-QFP64</div> <div>Manufacturers: Silicon Labs<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: 13135 pcs</div> <div>RFQ</div>                  |
|  <div>EFM32GG942F512-QFP64</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/>In stock: 16312 pcs</div> <div>RFQ</div>      |  <div>EFM32GG980F1024G-E-QFP100</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 10638 pcs</div> <div>RFQ</div> |
|  <div>EFM32GG980F1024G-E-QFP100R</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 15160 pcs</div> <div>RFQ</div> |  <div>EFM32GG980F1024-QFP100T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 9734 pcs</div> <div>RFQ</div>    |
|  <div>EFM32GG980F1024-QFP100</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 14308 pcs</div> <div>RFQ</div>     |  <div>EFM32GG942F1024-QFP64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: 13754 pcs</div> <div>RFQ</div>     |
|  <div>EFM32GG942F1024-QFP64</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: 13348 pcs</div> <div>RFQ</div>       |  <div>EFM32GG980F512-QFP100</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 10211 pcs</div> <div>RFQ</div>   |
|  <div>EFM32GG942F512G-E-QFP64R</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/>In stock: 22471 pcs</div> <div>RFQ</div>  |  <div>EFM32GG942F1024G-E-QFP64R</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: 16762 pcs</div> <div>RFQ</div>  |