



SILICON LABS

Energy Micro (Silicon Labs)



EFM32GG330F512-QFN64T

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32GG330F512-QFN64T                                                                                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                   |
| Product description | IC MCU 32BIT 512KB FLASH 64QFN                                                                                |
|                     |  1.EFM32GG330F512-QFN64T.pdf |
|                     |  2.EFM32GG330F512-QFN64T.pdf |
|                     |  3.EFM32GG330F512-QFN64T.pdf |
| Datasheets:         |                                                                                                               |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Stock Condition     | 12432 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

Specifications of EFM32GG330F512-QFN64T

|                                  |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32GG330F512-QFN64T                                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                                           |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 64QFN                                                                                                                                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                            |
| QUANTITY AVAILABLE               | 12432 pcs                                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       |  1.EFM32GG330F512-QFN64T.pdf<br> 2.EFM32GG330F512-QFN64T.pdf<br> 3.EFM32GG330F512-QFN64T.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, POR, PWM, WDT                                                                                                                                                                                                                                                                                                            |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                                  |
| PACKAGE / CASE                   | 64-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                  |
| OTHER NAMES                      | 336-5487<br>EFM32GG330F512-QFN64-T<br>EFM32GG330F512-QFN64T-ND<br>EFM32GG330F512-T<br>EFM32GG330F512-T-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, USB                                                                                                                                                                                                                                                                                                            |

Related Tags

|                                                   |                                          |                                                       |
|---------------------------------------------------|------------------------------------------|-------------------------------------------------------|
| Energy Micro (Silicon Labs) EFM32GG330F512-QFN64T | EFM32GG330F512-QFN64T Distributor        | EFM32GG330F512-QFN64T Supplier                        |
| EFM32GG330F512-QFN64T Price                       | EFM32GG330F512-QFN64T Pictures           | EFM32GG330F512-QFN64T Image                           |
| EFM32GG330F512-QFN64T PDF Datasheet               | EFM32GG330F512-QFN64T Download Datasheet | EFM32GG330F512-QFN64T Datasheet                       |
| EFM32GG330F512-QFN64T Stock                       | Buy EFM32GG330F512-QFN64T                | Buy Energy Micro (Silicon Labs) EFM32GG330F512-QFN64T |
| Energy Micro (Silicon Labs) EFM32GG330F512-QFN64T | Energy Micro (Silicon Labs) Supplier     | Energy Micro (Silicon Labs) Distributor               |
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| Silicon Laboratories EFM32GG330F512-QFN64T        | Silicon Labs EFM32GG330F512-QFN64T       |                                                       |

Related Products

|                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                               |
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| <div><div>EFM32GG330F512-QFN64</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: 18783 pcs</div><div>RFQ</div></div>       | <div><div>EFM32GG332F1024-QFP64T</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: 12622 pcs</div><div>RFQ</div></div>     |
| <div><div>EFM32GG330F512G-E-QFN64R</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: 20616 pcs</div><div>RFQ</div></div>   | <div><div>EFM32GG332F1024G-E-QFP64R</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: 17474 pcs</div><div>RFQ</div></div>  |
| <div><div>EFM32GG332F1024-QFP64</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: 13722 pcs</div><div>RFQ</div></div>       | <div><div>EFM32GG330F1024G-E-QFN64</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 15983 pcs</div><div>RFQ</div></div>    |
| <div><div>EFM32GG330F1024-QFN64T</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 11156 pcs</div><div>RFQ</div></div>       | <div><div>EFM32GG332F1024G-E-QFP64</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: 17356 pcs</div><div>RFQ</div></div>   |
| <div><div>EFM32GG295F512G-E-BGA120R</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 120BGA<br/>In stock: 20600 pcs</div><div>RFQ</div></div> | <div><div>EFM32GG330F1024G-E-QFN64R</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1024K FLASH 64QFN<br/>In stock: 17061 pcs</div><div>RFQ</div></div> |
| <div><div>EFM32GG330F512G-E-QFN64</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: 15122 pcs</div><div>RFQ</div></div>    | <div><div>EFM32GG330F1024-QFN64</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 12639 pcs</div><div>RFQ</div></div>       |

