



EFM32G842F32-QFP64

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32G842F32-QFP64                                                                                           |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 32BIT 32KB FLASH 64TQFP                                                                               |
|                     | <a href="#">1.EFM32G842F32-QFP64.pdf</a>                                                                     |
|                     | <a href="#">2.EFM32G842F32-QFP64.pdf</a>                                                                     |
|                     | <a href="#">3.EFM32G842F32-QFP64.pdf</a>                                                                     |
| Datasheets:         |                                                                                                              |
| RoHS Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

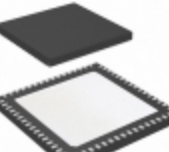
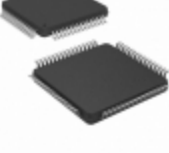
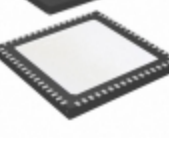
Specifications of EFM32G842F32-QFP64

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32G842F32-QFP64                                                                                                               |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 64TQFP                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                       |
| DATA SHEET                       | <a href="#">1.EFM32G842F32-QFP64.pdf</a><br><a href="#">2.EFM32G842F32-QFP64.pdf</a><br><a href="#">3.EFM32G842F32-QFP64.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.98 V ~ 3.8 V                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 64-QFN (9x9)                                                                                                                     |
| SPEED                            | 32MHz                                                                                                                            |
| SERIES                           | Gecko                                                                                                                            |
| RAM SIZE                         | 8K x 8                                                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                            |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                                   |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                                                  |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                 |
| PACKAGE / CASE                   | 64-TQFP                                                                                                                          |
| OTHER NAMES                      | EFM32G842F32<br>EFM32G842F32-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 Gecko Microcontroller IC 32-Bit 32MHz 32KB (32K 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) EFM32G842F32-QFP64 | EFM32G842F32-QFP64 Distributor        | EFM32G842F32-QFP64 Supplier                        |
| EFM32G842F32-QFP64 Price                       | EFM32G842F32-QFP64 Pictures           | EFM32G842F32-QFP64 Image                           |
| EFM32G842F32-QFP64 PDF Datasheet               | EFM32G842F32-QFP64 Download Datasheet | EFM32G842F32-QFP64 Datasheet                       |
| EFM32G842F32-QFP64 Stock                       | Buy EFM32G842F32-QFP64                | Buy Energy Micro (Silicon Labs) EFM32G842F32-QFP64 |
| Energy Micro (Silicon Labs) EFM32G842F32-QFP64 | Energy Micro (Silicon Labs) Supplier  | Energy Micro (Silicon Labs) Distributor            |
| Energy Micro (Silicon Labs) EFM32G842F32-QFP64 | Energy Micro EFM32G842F32-QFP64       | Energy Micro (Silicon Labs) EFM32G842F32-QFP64     |
| Silicon Laboratories EFM32G842F32-QFP64        | Silicon Labs EFM32G842F32-QFP64       |                                                    |

Related Products

|                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                     |
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|  <div><b>EFM32G842F128G-E-QFP64R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: 128K FLASH, 16K RAM, 4X22 LCD, A<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>EFM32G842F64-QFP64T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64TQFP<br/>In stock: Out stock<br/><b>RFQ</b></div>     |
|  <div><b>EFM32G840F64G-E-QFN64R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: 64K FLASH, 16K RAM, 4X24 LCD, AE<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>EFM32G842F128G-E-QFP64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: 128K FLASH, 16K RAM, 4X22 LCD, A<br/>In stock: 160 pcs<br/><b>RFQ</b></div>  |
|  <div><b>EFM32G842F32G-E-QFP64R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: 32K FLASH, 8K RAM, 4X22 LCD, AES<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>EFM32G842F32-QFP64T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 32KB FLASH 64TQFP<br/>In stock: Out stock<br/><b>RFQ</b></div>     |
|  <div><b>EFM32G842F64G-E-QFP64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: 64K FLASH, 16K RAM, 4X22 LCD, AE<br/>In stock: Out stock<br/><b>RFQ</b></div>   |  <div><b>EFM32G842F64-QFP64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64TQFP<br/>In stock: Out stock<br/><b>RFQ</b></div>      |
|  <div><b>EFM32G842F128-QFP64T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 288 pcs<br/><b>RFQ</b></div>       |  <div><b>EFM32G842F128-QFP64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: Out stock<br/><b>RFQ</b></div>    |
|  <div><b>EFM32G840F64G-E-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: 64K FLASH, 16K RAM, 4X24 LCD, AE<br/>In stock: 160 pcs<br/><b>RFQ</b></div>     |  <div><b>EFM32G842F32G-E-QFP64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: 32K FLASH, 8K RAM, 4X22 LCD, AES<br/>In stock: Out stock<br/><b>RFQ</b></div> |