



Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

EFM32G842F128G-E-QFP64

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32G842F128G-E-QFP64                                                                                       |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | 128K FLASH, 16K RAM, 4X22 LCD, A                                                                             |
| Datasheets:         |  EFM32G842F128G-E-QFP64.pdf |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 33533 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

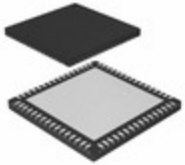
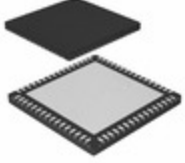
Specifications of EFM32G842F128G-E-QFP64

|                                  |                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32G842F128G-E-QFP64                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                    |
| DESCRIPTION                      | 128K FLASH, 16K RAM, 4X22 LCD, A                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                     |
| QUANTITY AVAILABLE               | 33533 pcs                                                                                                      |
| DATA SHEET                       |  EFM32G842F128G-E-QFP64.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.98 V ~ 3.8 V                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (10x10)                                                                                                |
| SPEED                            | 32MHz                                                                                                          |
| SERIES                           | Gecko                                                                                                          |
| RAM SIZE                         | 16K x 8                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                          |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                               |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                                |
| PACKAGING                        | Tray                                                                                                           |
| PACKAGE / CASE                   | 64-TQFP                                                                                                        |
| OTHER NAMES                      | 336-4251<br>EFM32G842F128G-E-QFP64-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 128KB (128K 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) EFM32G842F128G-E-QFP64 | EFM32G842F128G-E-QFP64 Distributor        | EFM32G842F128G-E-QFP64 Supplier                        |
| EFM32G842F128G-E-QFP64 Price                       | EFM32G842F128G-E-QFP64 Pictures           | EFM32G842F128G-E-QFP64 Image                           |
| EFM32G842F128G-E-QFP64 PDF Datasheet               | EFM32G842F128G-E-QFP64 Download Datasheet | EFM32G842F128G-E-QFP64 Datasheet                       |
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| Silicon Laboratories EFM32G842F128G-E-QFP64        | Silicon Labs EFM32G842F128G-E-QFP64       |                                                        |

Related Products

|                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                   |
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|  <div>EFM32G840F64G-E-QFN64R</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: 64K FLASH, 16K RAM, 4X24 LCD, AE</div> <div>In stock: 47603 pcs</div> <div>RFQ</div>  |  <div>EFM32G840F64-QFN64</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 64KB FLASH 64QFN</div> <div>In stock: 49544 pcs</div> <div>RFQ</div>       |
|  <div>EFM32G842F128G-E-QFP64R</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: 128K FLASH, 16K RAM, 4X22 LCD, A</div> <div>In stock: 38871 pcs</div> <div>RFQ</div> |  <div>EFM32G842F128-QFP64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 128KB FLASH 64TQFP</div> <div>In stock: 31436 pcs</div> <div>RFQ</div>   |
|  <div>EFM32G842F32-QFP64</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 32KB FLASH 64TQFP</div> <div>In stock: 50197 pcs</div> <div>RFQ</div>        |  <div>EFM32G840F64-QFN64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 64KB FLASH 64QFN</div> <div>In stock: 36185 pcs</div> <div>RFQ</div>      |
|  <div>EFM32G840F64G-E-QFN64</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: 64K FLASH, 16K RAM, 4X24 LCD, AE</div> <div>In stock: 40670 pcs</div> <div>RFQ</div>   |  <div>EFM32G842F32G-E-QFP64</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: 32K FLASH, 8K RAM, 4X22 LCD, AES</div> <div>In stock: 42398 pcs</div> <div>RFQ</div> |
|  <div>EFM32G842F128-QFP64</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 128KB FLASH 64TQFP</div> <div>In stock: 35679 pcs</div> <div>RFQ</div>      |  <div>EFM32G842F32-QFP64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 32KB FLASH 64TQFP</div> <div>In stock: 41099 pcs</div> <div>RFQ</div>     |
|  <div>EFM32G842F32G-E-QFP64R</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: 32K FLASH, 8K RAM, 4X22 LCD, AES</div> <div>In stock: 40515 pcs</div> <div>RFQ</div>  |  <div>EFM32G842F64-QFP64</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 64KB FLASH 64TQFP</div> <div>In stock: 46474 pcs</div> <div>RFQ</div>      |