



Energy Micro (Silicon Labs)



EFM32WG942F128-QFP64

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32WG942F128-QFP64                                                                                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 32BIT 128KB FLASH 64TQFP                                                                              |
|                     |  1.EFM32WG942F128-QFP64.pdf |
|                     |  2.EFM32WG942F128-QFP64.pdf |
|                     |  3.EFM32WG942F128-QFP64.pdf |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 25303 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

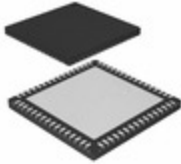
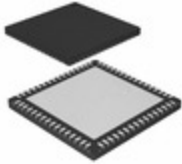
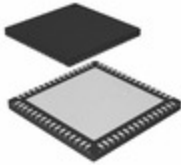
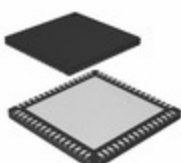
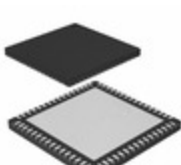
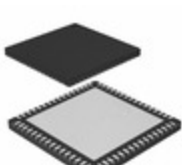
Specifications of EFM32WG942F128-QFP64

|                                  |                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32WG942F128-QFP64                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 64TQFP                                                                                                                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 25303 pcs                                                                                                                                                                                                                                                                                                                                          |
| DATA SHEET                       |  1.EFM32WG942F128-QFP64.pdf<br> 2.EFM32WG942F128-QFP64.pdf<br> 3.EFM32WG942F128-QFP64.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.85 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                                     |
| SPEED                            | 48MHz                                                                                                                                                                                                                                                                                                                                              |
| SERIES                           | Wonder Gecko                                                                                                                                                                                                                                                                                                                                       |
| RAM SIZE                         | 32K x 8                                                                                                                                                                                                                                                                                                                                            |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                              |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                                                                                                                                                                                                                                                                   |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                                                                                                                                                                                                                                                                               |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 64-TQFP                                                                                                                                                                                                                                                                                                                                            |
| OTHER NAMES                      | EFM32WG942F128<br>EFM32WG942F128-ND                                                                                                                                                                                                                                                                                                                |
| 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®-M4F Wonder Gecko Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH                                                                                                                                                                                                                                                               |
| DATA CONVERTERS                  | A/D 8x12b, D/A 2x12b                                                                                                                                                                                                                                                                                                                               |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                             |
| CORE PROCESSOR                   | ARM® Cortex®-M4F                                                                                                                                                                                                                                                                                                                                   |
| CONNECTIVITY                     | I²C, IrDA, SmartCard, SPI, UART/USART, USB                                                                                                                                                                                                                                                                                                         |

Related Tags

|                                                  |                                         |                                                      |
|--------------------------------------------------|-----------------------------------------|------------------------------------------------------|
| Energy Micro (Silicon Labs) EFM32WG942F128-QFP64 | EFM32WG942F128-QFP64 Distributor        | EFM32WG942F128-QFP64 Supplier                        |
| EFM32WG942F128-QFP64 Price                       | EFM32WG942F128-QFP64 Pictures           | EFM32WG942F128-QFP64 Image                           |
| EFM32WG942F128-QFP64 PDF Datasheet               | EFM32WG942F128-QFP64 Download Datasheet | EFM32WG942F128-QFP64 Datasheet                       |
| EFM32WG942F128-QFP64 Stock                       | Buy EFM32WG942F128-QFP64                | Buy Energy Micro (Silicon Labs) EFM32WG942F128-QFP64 |
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| Silicon Laboratories EFM32WG942F128-QFP64        | Silicon Labs EFM32WG942F128-QFP64       |                                                      |

Related Products

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>EFM32WG942F64-QFP64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64TQFP<br/>In stock: 24537 pcs</div> <div>RFQ</div>   |  <div>EFM32WG942F128-QFP64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 19261 pcs</div> <div>RFQ</div>  |
|  <div>EFM32WG940F128-QFN64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 20622 pcs</div> <div>RFQ</div>  |  <div>EFM32WG940F256-QFN64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 18036 pcs</div> <div>RFQ</div>   |
|  <div>EFM32WG942F256-QFP64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 21208 pcs</div> <div>RFQ</div> |  <div>EFM32WG980F128-QFP100</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 25045 pcs</div> <div>RFQ</div> |
|  <div>EFM32WG940F64-QFN64T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64QFN<br/>In stock: 26652 pcs</div> <div>RFQ</div>    |  <div>EFM32WG942F256-QFP64</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 19664 pcs</div> <div>RFQ</div>   |
|  <div>EFM32WG940F64-QFN64</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64QFN<br/>In stock: 26082 pcs</div> <div>RFQ</div>     |  <div>EFM32WG942F64-QFP64</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64TQFP<br/>In stock: 28523 pcs</div> <div>RFQ</div>     |
|  <div>EFM32WG940F256-QFN64</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 21989 pcs</div> <div>RFQ</div>   |  <div>EFM32WG940F128-QFN64</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 24108 pcs</div> <div>RFQ</div>    |