

EFM32LG940F64G-E-QFN64R



SILICON LABS



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Part Number: [EFM32LG940F64G-E-QFN64R](#)

Manufacturer: [Energy Micro \(Silicon Labs\)](#)

Description: IC MCU 32BIT 64KB FLASH 64QFN

Data sheet:  [EFM32LG940 Errata, Chip rev. E](#)  
 [EFM32LG Ref Manual](#)  
 [EFM32LG940 Errata History](#)  
 [EFM32\(LG\) Errata](#)  
 [EFM32\(LG\) Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

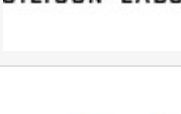
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 |                                 |                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EFM32LG940F64G-E-QFN64R                                                                         | Manufacturer                    | <a href="#">Energy Micro (Silicon Labs)</a>                                                                                                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 32BIT 64KB FLASH 64QFN                                                                   | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30915 pcs                                                                                       | Data sheet                      | <a href="#">EFM32LG940 Errata, Chip rev. E</a><br><a href="#">EFM32LG Ref Manual</a><br><a href="#">EFM32LG940 Errata History</a><br><a href="#">EFM32(LG) Errata</a><br><a href="#">EFM32(LG) Family Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                                       | Voltage - Supply (Vcc/Vdd)      | 1.85 V ~ 3.8 V                                                                                                                                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 64-QFN (9x9)                                                                                    | Speed                           | 48MHz                                                                                                                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Leopard Gecko                                                                                   | RAM Size                        | 32K x 8                                                                                                                                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                                                                           | Program Memory Size             | 64KB (64K x 8)                                                                                                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                 | Packaging                       | Tape & Reel (TR)                                                                                                                                                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 64-VFQFN Exposed Pad                                                                            | Oscillator Type                 | Internal                                                                                                                                                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 85°C (TA)                                                                               | Number of I/O                   | 53                                                                                                                                                                                                                  |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 (168 Hours)                                                                                   | Manufacturer Standard Lead Time | 6 Weeks                                                                                                                                                                                                             |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lead free / RoHS Compliant                                                                      | EEPROM Size                     | -                                                                                                                                                                                                                   |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ARM® Cortex®-M3 Leopard Gecko Microcontroller IC 32-Bit 48MHz 64KB (64K 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                                                      |                                 |                                                                                                                                                                                                                     |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Energy Micro (Silicon Labs) series electronic components. We have 30915 pieces of Energy Micro (Silicon Labs) EFM32LG940F64G-E-QFN64R in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                                 |                                 |                                                                                                                                                                                                                     |

| RELATED PRODUCTS                                                                   |                                                                                                |                                                            |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EFM32LG940F256G-E-QFN64R</a><br>Description: IC MCU 32BIT 256KB FLASH 64QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG940F256-QFN64T</a><br>Description: IC MCU 32BIT 256KB FLASH 64QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG940F128G-E-QFN64R</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG942F256G-E-QFP64</a><br>Description: IC MCU 32BIT 256KB FLASH 64TQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG942F128-QFP64T</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG942F256G-E-QFP64R</a><br>Description: IC MCU 32BIT 256KB FLASH 64QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG942F64-QFP64T</a><br>Description: IC MCU 32BIT 64KB FLASH 64TQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
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Related keywords for EFM32LG940F64G-E-QFN64R

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RoHS

