



## EFM32LG840F256-QFN64T

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|----------------------|---|
| Part Number:         | EFM32LG840F256-QFN64T                     |
| Manufacturer/Brand:  | Energy Micro (Silicon Labs)               |
| Product description: | IC MCU 32BIT 256KB FLASH 64QFN            |
| Datasheets:          | <a href="#">EFM32LG840F256-QFN64T.pdf</a> |
| RoHS Status:         | Lead free / RoHS Compliant                |
| Stock Condition:     | 2805 pcs stock                            |
| Ship From:           | Hong Kong                                 |
| Shipment Way:        | DHL/Fedex/TNT/UPS/EMS                     |

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Image may be representation. See specifications for product details.

### Specifications of EFM32LG840F256-QFN64T

|                                  |  |
|----------------------------------|--|
| PART NUMBER                      | EFM32LG840F256-QFN64T  |
| MANUFACTURER                     | Energy Micro (Silicon Labs)  |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64QFN   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| QUANTITY AVAILABLE               | 2805 pcs   |
| DATA SHEET                       | <a href="#">EFM32LG840F256-QFN64T.pdf</a>  |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.85 V ~ 3.8 V   |
| SPEED                            | 48MHz  |
| SERIES                           | Leopard Gecko  |
| RAM SIZE                         | 32K x 8  |
| PROGRAM MEMORY TYPE              | FLASH  |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)   |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                      |
| PACKAGING                        | Tray   |
| PACKAGE / CASE                   | 64-WFQFN Exposed Pad   |
| OTHER NAMES                      | EFM32LG840F256-QFN64-T<br>EFM32LG840F256-T<br>EFM32LG840F256-T-ND                    |
| OSCILLATOR TYPE                  | Internal   |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)  |
| NUMBER OF I/O                    | 56   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| EEPROM SIZE                      | -  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 Leopard Gecko Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH |
| DATA CONVERTERS                  | A/D 8x12b, D/A 2x12b   |
| CORE SIZE                        | 32-Bit   |
| CORE PROCESSOR                   | ARM® Cortex®-M3  |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, SmartCard, SPI, UART/USART                                   |

### Related Tags

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| Silicon Laboratories EFM32LG840F256-QFN64T        | Silicon Labs EFM32LG840F256-QFN64T       |   |

### Related Products

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|---|---|
| <p><b>EFM32LG840F64-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64QFN<br/>In stock: 3946 pcs<br/><a href="#">RFQ</a></p>        | <p><b>EFM32LG840F64G-E-QFN64R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64QFN<br/>In stock: 38749 pcs<br/><a href="#">RFQ</a></p>   |
| <p><b>EFM32LG395F64G-E-BGA120R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 120BGA<br/>In stock: 28842 pcs<br/><a href="#">RFQ</a></p> | <p><b>EFM32LG840F128G-E-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 25211 pcs<br/><a href="#">RFQ</a></p>  |
| <p><b>EFM32LG840F128G-E-QFN64R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 29899 pcs<br/><a href="#">RFQ</a></p> | <p><b>EFM32LG840F256G-E-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 21945 pcs<br/><a href="#">RFQ</a></p>  |
| <p><b>EFM32LG840F256-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 6157 pcs<br/><a href="#">RFQ</a></p>      | <p><b>EFM32LG840F64G-E-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64QFN<br/>In stock: 31303 pcs<br/><a href="#">RFQ</a></p>    |
| <p><b>EFM32LG840F128-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 3512 pcs<br/><a href="#">RFQ</a></p>      | <p><b>EFM32LG840F256G-E-QFN64R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 23073 pcs<br/><a href="#">RFQ</a></p> |
| <p><b>EFM32LG840F64-QFN64T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64QFN<br/>In stock: 4575 pcs<br/><a href="#">RFQ</a></p>       | <p><b>EFM32LG840F128-QFN64T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 6606 pcs<br/><a href="#">RFQ</a></p>     |