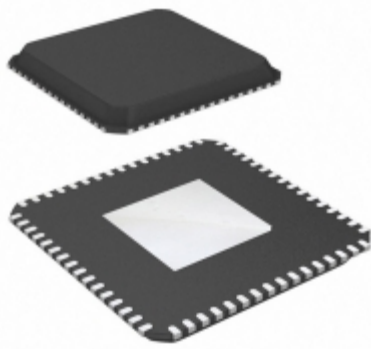


EFM32LG330F256G-E-R





SILICON LABS

Part Number: [EFM32LG330F256G-E-R](#)

Manufacturer: [Silicon Labs](#)

Description: IC MCU 32BIT 256KB FLASH 64QFN

Data sheet: 

 [EFM32LG330 Errata History](#)

 [EFM32LG330 Errata, Chip rev. E](#)

 [EFM32\(LG\) Datasheet](#)

 [EFM32LG Ref Manual](#)

RoHs Status: Lead free / RoHS Compliant

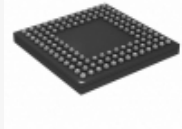
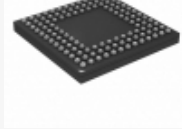
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                  |                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EFM32LG330F256G-E-R                        | Manufacturer                     | <a href="#">Silicon Labs</a>                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 256KB FLASH 64QFN             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 25754 pcs                                  | Data sheet                       | <div><a href="#">EFM32LG330 Errata History</a><br/><a href="#">EFM32LG330 Errata, Chip rev. E</a><br/><a href="#">EFM32(LG) Datasheet</a><br/><a href="#">EFM32LG Ref Manual</a></div> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | FLASH                                                                                                                                                                                  |
| Voltage - Breakdown                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 64-QFN Exposed Pad (9x9)                   | Series                           | Leopard Gecko                                                                                                                                                                          |
| RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tape & Reel (TR)                           | Reverse Recovery Time (trr)      | 48MHz                                                                                                                                                                                  |
| Requires                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Program Memory Type              | 256KB (256K x 8)                                                                                                                                                                       |
| Program Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | iC, IrDA, SmartCard, SPI, UART/USART, USB  | Polarization                     | 64-VFQFN Exposed Pad                                                                                                                                                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 8x12b, D/A 2x12b                       | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                      |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ARM® Cortex®-M3                            | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                          |
| Manufacturer Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EFM32LG330F256G-E-R                        | Expanded Description             | ARM® Cortex®-M3 Leopard Gecko Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 64-QFN Exposed Pad (9x9)                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 256KB FLASH 64QFN             | Data SRAM Bytes                  | -                                                                                                                                                                                      |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.85 V ~ 3.8 V                             | Core Size                        | 32K x 8                                                                                                                                                                                |
| Controller Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Internal                                   | Connectivity                     | 32-Bit                                                                                                                                                                                 |
| Clock Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                         |                                  |                                                                                                                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                                 |                                                            |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EFM32LG332F256-QFP64</a><br>Description: IC MCU 32BIT 256KB FLASH 64TQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG330F64-QFN64</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG330F256G-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="#">EFM32LG330F256-QFN64</a><br>Description: IC MCU 32BIT 256KB FLASH 64QFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG332F128G-E-QFP64</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG330F128G-E-QFN64</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG330F128G-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="#">EFM32LG330F64G-E-QFN64R</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG330F256-QFN64T</a><br>Description: IC MCU 32BIT 256KB FLASH 64QFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG332F256-QFP64T</a><br>Description: IC MCU 32BIT 256KB FLASH 64TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG330F256G-E-QFN64</a><br>Description: IC MCU 32BIT 256KB FLASH 64QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG295F64G-E-BGA120</a><br>Description: IC MCU 32BIT 64KB FLASH 120BGA   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG332F128-QFP64</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG332F128G-E-QFP64R</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG330F64-QFN64T</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG330F128-QFN64T</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG330F128-QFN64</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG295F64G-E-BGA120R</a><br>Description: IC MCU 32BIT 64KB FLASH 120BGA  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG332F128-QFP64T</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32LG330F64G-E-QFN64</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |

|                                                 |                                                 |                                                 |                                                 |
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