

EFM32G842F32G-E-QFP64



SILICON LABS



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Part Number: [EFM32G842F32G-E-QFP64](#)

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

Description: 32K FLASH, 8K RAM, 4X22 LCD, AES

Data sheet:  [EFM32\(G\) Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

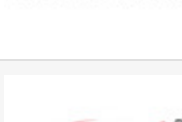
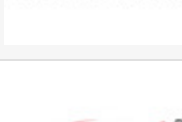
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                  |                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | EFM32G842F32G-E-QFP64                     | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 32K FLASH, 8K RAM, 4X22 LCD, AES          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 38464 pcs                                 | Data sheet                       | <a href="#">EFM32(G) Family Datasheet</a>                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.98 V ~ 3.8 V                                                             |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32MHz                                     | Series                           | Gecko                                                                      |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8K x 8                                    | Program Memory Type              | FLASH                                                                      |
| Program Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 32KB (32K x 8)                            | Peripherals                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                            |
| 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 Gecko Microcontroller IC 32-Bit 32MHz 32KB (32K x 8) FLASH |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A/D 8x12b, D/A 2x12b                      | Core Size                        | 32-Bit                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ARM® Cortex®-M3                           | Connectivity                     | I²C, IrDA, SmartCard, SPI, UART/USART                                      |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Energy Micro (Silicon Labs) series electronic components. We have 38464 pieces of Energy Micro (Silicon Labs) EFM32G842F32G-E-QFP64 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="#">EFM32G842F128-QFP64</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G880F128-QFP100T</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G880F128G-E-QFP100R</a><br>Description: 128K FLASH, 16K RAM, 4X40 LCD, A | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G842F64G-E-QFP64R</a><br>Description: 64K FLASH, 16K RAM, 4X22 LCD, AE   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G842F32-QFP64</a><br>Description: IC MCU 32BIT 32KB FLASH 64TQFP         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G842F128G-E-QFP64</a><br>Description: 128K FLASH, 16K RAM, 4X22 LCD, A   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G880F128G-E-QFP100</a><br>Description: 128K FLASH, 16K RAM, 4X40 LCD, A  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G840F64-QFN64</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN          | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G842F32-QFP64T</a><br>Description: IC MCU 32BIT 32KB FLASH 64TQFP        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G842F64-QFP64</a><br>Description: IC MCU 32BIT 64KB FLASH 64TQFP         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G842F128-QFP64T</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G840F64G-E-QFN64R</a><br>Description: 64K FLASH, 16K RAM, 4X24 LCD, AE   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G842F64G-E-QFP64</a><br>Description: 64K FLASH, 16K RAM, 4X22 LCD, AE    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G880F32-QFP100</a><br>Description: IC MCU 32BIT 32KB FLASH 100LQFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G880F128-QFP100</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G842F64-QFP64T</a><br>Description: IC MCU 32BIT 64KB FLASH 64TQFP        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32G842F128G-E-QFP64R</a><br>Description: 128K FLASH, 16K RAM, 4X22 LCD, A  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">EFM32G842F32G-E-QFP64R</a><br>Description: 32K FLASH, 8K RAM, 4X22 LCD, AES   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |

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|---------------------------------------------------|---------------------------------------------------|------------------------------------|---------------------------------------------------|
| Related keywords for <b>EFM32G842F32G-E-QFP64</b> |                                                   |                                    |                                                   |
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