



Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

### EFM32JG1B100F256GM32-B0R

|                     |                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32JG1B100F256GM32-B0R                                                                                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                      |
| Product description | IC MCU 32BIT 256KB FLASH 32QFN                                                                                   |
|                     |  1.EFM32JG1B100F256GM32-B0R.pdf |
|                     |  2.EFM32JG1B100F256GM32-B0R.pdf |
|                     |  3.EFM32JG1B100F256GM32-B0R.pdf |
| Datasheets:         |                                                                                                                  |
| RoHs Status         |  Lead free / RoHS Compliant     |
| Stock Condition     | 3633 pcs stock                                                                                                   |
| Ship From           | Hong Kong                                                                                                        |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                            |

REQUEST FOR QUOTATION

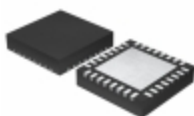
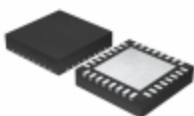
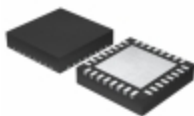
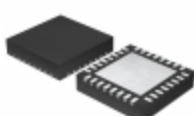
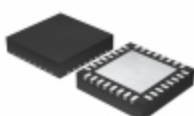
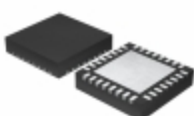
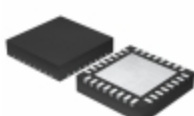
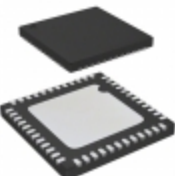
#### Specifications of EFM32JG1B100F256GM32-B0R

|                                  |                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32JG1B100F256GM32-B0R                                                                                                                                                                                                                                                                                                                                       |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 32QFN                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                     |
| QUANTITY AVAILABLE               | 3633 pcs                                                                                                                                                                                                                                                                                                                                                       |
| DATA SHEET                       |  1.EFM32JG1B100F256GM32-B0R.pdf<br> 2.EFM32JG1B100F256GM32-B0R.pdf<br> 3.EFM32JG1B100F256GM32-B0R.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.85 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 32-QFN (5x5)                                                                                                                                                                                                                                                                                                                                                   |
| SPEED                            | 40MHz                                                                                                                                                                                                                                                                                                                                                          |
| SERIES                           | Jade Gecko                                                                                                                                                                                                                                                                                                                                                     |
| RAM SIZE                         | 32K x 8                                                                                                                                                                                                                                                                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                          |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                                                                                                                                                                                               |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 32-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                       |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                              |
| NUMBER OF I/O                    | 20                                                                                                                                                                                                                                                                                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)                                                                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                     |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                              |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 Jade Gecko Microcontroller IC 32-Bit 40MHz 256KB (256K x 8) FLASH 32-QFN (5x5)                                                                                                                                                                                                                                                                 |
| DATA CONVERTERS                  | A/D 24x12b                                                                                                                                                                                                                                                                                                                                                     |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                         |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                                                                                                                                                                |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SmartCard, SPI, UART/USART                                                                                                                                                                                                                                                                                                                  |

#### Related Tags

|                                                      |                                             |                                                          |
|------------------------------------------------------|---------------------------------------------|----------------------------------------------------------|
| Energy Micro (Silicon Labs) EFM32JG1B100F256GM32-B0R | EFM32JG1B100F256GM32-B0R Distributor        | EFM32JG1B100F256GM32-B0R Supplier                        |
| EFM32JG1B100F256GM32-B0R Price                       | EFM32JG1B100F256GM32-B0R Pictures           | EFM32JG1B100F256GM32-B0R Image                           |
| EFM32JG1B100F256GM32-B0R PDF Datasheet               | EFM32JG1B100F256GM32-B0R Download Datasheet | EFM32JG1B100F256GM32-B0R Datasheet                       |
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| Silicon Laboratories EFM32JG1B100F256GM32-B0R        | Silicon Labs EFM32JG1B100F256GM32-B0R       |                                                          |

#### Related Products

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |
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|  <div><b>EFM32JG1B100F128GM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 49604 pcs<br/><div>RFQ</div></div>  |  <div><b>EFM32JG1B200F128GM32-B0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 2862 pcs<br/><div>RFQ</div></div>  |
|  <div><b>EFM32JG1B200F128GM32-B0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 47894 pcs<br/><div>RFQ</div></div>  |  <div><b>EFM32JG1B100F256IM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 37816 pcs<br/><div>RFQ</div></div>  |
|  <div><b>EFM32JG1B100F256IM32-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 44403 pcs<br/><div>RFQ</div></div> |  <div><b>EFM32JG1B100F256GM32-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 46024 pcs<br/><div>RFQ</div></div> |
|  <div><b>EFM32JG1B100F256GM32-B0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 36674 pcs<br/><div>RFQ</div></div>  |  <div><b>EFM32JG1B100F128GM32-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 54308 pcs<br/><div>RFQ</div></div> |
|  <div><b>EFM32JG1B100F128GM32-B0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 3523 pcs<br/><div>RFQ</div></div>  |  <div><b>EFM32JG1B100F256GM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 36820 pcs<br/><div>RFQ</div></div>  |
|  <div><b>EFM32JG1B100F128GM32-B0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 57077 pcs<br/><div>RFQ</div></div>  |  <div><b>EFM32JG12B500F1024IM48-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: JADE M3 QFN48 I-GRADE<br/>In stock: 21280 pcs<br/><div>RFQ</div></div>         |