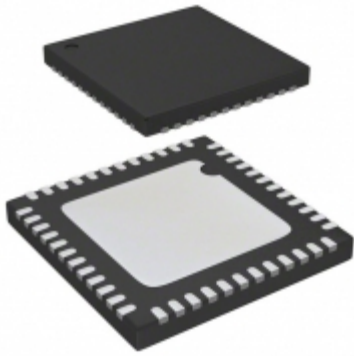


EFM32JG12B500F1024GM48-B





SILICON LABS

Part Number:

EFM32JG12B500F1024GM48-B

Manufacturer:

Energy Micro (Silicon Labs)

Description:

IC MCU 32BIT 1MB FLASH 48QFN

Data sheet:

 EFM32JG12 Family Reference Manual

 EFM32JG12 Series

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

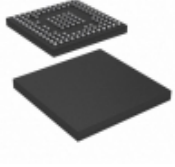
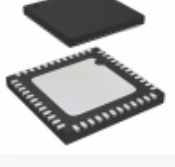
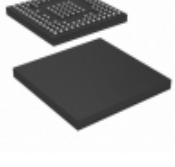
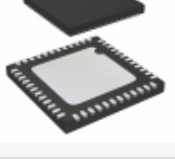
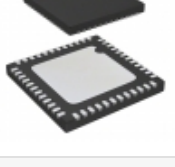
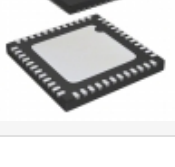
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy EFM32JG12B500F1024GM48-B with confidence  
from Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                              |                                  |                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                   | EFM32JG12B500F1024GM48-B                                     | Manufacturer                     | Energy Micro (Silicon Labs)                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 32BIT 1MB FLASH 48QFN                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                            | 27324 pcs                                                    | Data sheet                       | EFM32JG12 Family Reference Manual<br>EFM32JG12 Series                                      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                      | Integrated Circuits (ICs)                                    | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.8 V                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                       | 48-QFN (7x7)                                                 | Speed                            | 40MHz                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                        | Jade Gecko                                                   | RAM Size                         | 256K x 8                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                        | Program Memory Size              | 1MB (1M x 8)                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT | Packaging                        | Tray                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                | 48-VFQFN Exposed Pad                                         | Other Names                      | 336-3939                                                                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                               | Internal                                                     | Operating Temperature            | -40°C ~ 85°C (TA)                                                                          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                 | 33                                                           | Moisture Sensitivity Level (MSL) | 2 (1 Year)                                                                                 |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                               | 6 Weeks                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                 |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                            | Detailed Description             | ARM® Cortex®-M3 Jade Gecko Microcontroller IC 32-Bit 40MHz 1MB (1M x 8) FLASH 48-QFN (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D - 12b SAR                                                | Core Size                        | 32-Bit                                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                | ARM® Cortex®-M3                                              | Connectivity                     | I <sup>2</sup> C, IrDA, LINbus, 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 27324 pieces of Energy Micro (Silicon Labs) EFM32JG12B500F1024GM48-B 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: info@Components-World.com |                                                              |                                  |                                                                                            |

| RELATED PRODUCTS                                                                   |                                                                                                 |                                                            |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EFM32HG350F64G-B-QFP48R</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32HG350F64G-B-QFP48</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024IL125-C</a><br>Description: JADE M3 BGA125 I-GRADE         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024GM48-BR</a><br>Description: IC MCU 32BIT 1MB FLASH 48QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024GL125-CR</a><br>Description: JADE M3 BGA125 G-GRADE        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024IM48-C</a><br>Description: JADE M3 QFN48 I-GRADE           | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024IM48-B</a><br>Description: IC MCU 32BIT 1MB FLASH 48QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32HG350F64G-A-QFP48R</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024IL125-B</a><br>Description: IC MCU 32BIT 1MB FLASH 125BGA  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024GM48-C</a><br>Description: JADE M3 QFN48 G-GRADE           | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32HG350F64G-B-CSP36</a><br>Description: IC MCU 64KBIT 32KB FLASH 36CSP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32HG350F64G-A-QFP48</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32HG350F64G-B-CSP36R</a><br>Description: IC MCU 64KBIT 32KB FLASH 36CSP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024IL125-CR</a><br>Description: JADE M3 BGA125 I-GRADE        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024IM48-BR</a><br>Description: IC MCU 32BIT 1MB FLASH 48QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024GM48-CR</a><br>Description: JADE M3 QFN48 G-GRADE          | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024GL125-B</a><br>Description: IC MCU 32BIT 1MB FLASH 125BGA  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024IL125-BR</a><br>Description: IC MCU 32BIT 1MB FLASH 125BGA | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024GL125-BR</a><br>Description: IC MCU 32BIT 1MB FLASH 125BGA | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG12B500F1024GL125-C</a><br>Description: JADE M3 BGA125 G-GRADE         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |

Related keywords for EFM32JG12B500F1024GM48-B

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