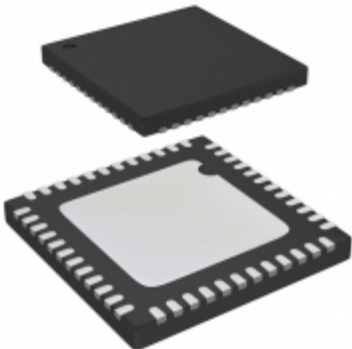


EFM32JG12B500F1024IM48-CR





SILICON LABS

Part Number: [EFM32JG12B500F1024IM48-CR](#)

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

Description: JADE M3 QFN48 I-GRADE

Data sheet:  [EFM32JG12 Family Reference Manual](#)  
 [EFM32JG12 Series](#)

RoHs Status: Lead free / RoHS Compliant

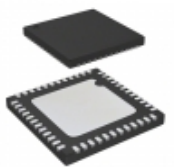
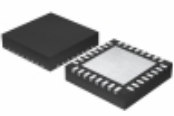
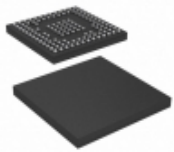
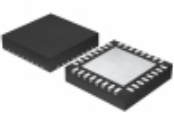
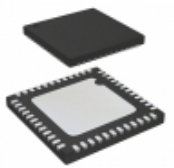
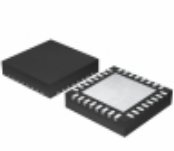
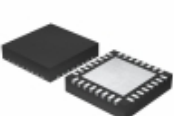
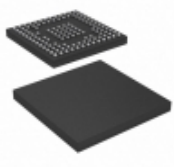
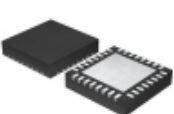
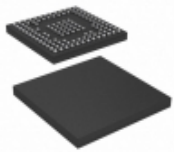
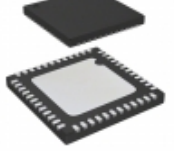
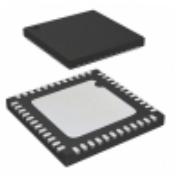
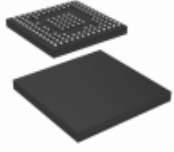
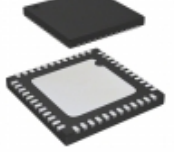
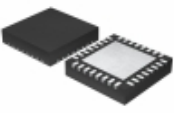
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
Buy EFM32JG12B500F1024IM48-CR with confidence from Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                            |                                 |                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EFM32JG12B500F1024IM48-CR                                                                  | Manufacturer                    | <a href="#">Energy Micro (Silicon Labs)</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | JADE M3 QFN48 I-GRADE                                                                      | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 26001 pcs                                                                                  | Data sheet                      | <a href="#">EFM32JG12 Family Reference</a><br><a href="#">EFM32JG12 Series</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                  | 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                       | Tape & Reel (TR)                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 48-VFQFN Exposed Pad                                                                       | Oscillator Type                 | Internal                                                                       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 125°C (TJ)                                                                         | 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 26001 pieces of Energy Micro (Silicon Labs) EFM32JG12B500F1024IM48-CR 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="#">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="#">EFM32JG1B100F256GM32-B0</a><br>Description: IC MCU 32BIT 256KB FLASH 32QFN   | 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="#">EFM32JG1B100F256GM32-C0R</a><br>Description: IC MCU 32BIT 256KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG1B100F128GM32-C0</a><br>Description: IC MCU 32BIT 128KB FLASH 32QFN   | 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="#">EFM32JG1B100F256IM32-C0</a><br>Description: IC MCU 32BIT 256KB FLASH 32QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG1B100F128GM32-B0</a><br>Description: IC MCU 32BIT 128KB FLASH 32QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG1B100F128GM32-B0R</a><br>Description: IC MCU 32BIT 128KB FLASH 32QFN  | 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="#">EFM32JG1B100F256GM32-C0</a><br>Description: IC MCU 32BIT 256KB FLASH 32QFN   | 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-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-C</a><br>Description: JADE M3 QFN48 G-GRADE           | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG1B100F128GM32-C0R</a><br>Description: IC MCU 32BIT 128KB FLASH 32QFN  | 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-C</a><br>Description: JADE M3 QFN48 I-GRADE           | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG1B100F256GM32-B0R</a><br>Description: IC MCU 32BIT 256KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM32JG1B100F256IM32-C0R</a><br>Description: IC MCU 32BIT 256KB FLASH 32QFN  | 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> |

Related keywords for EFM32JG12B500F1024IM48-CR

|                                        |                                              |                                                |                                        |
|----------------------------------------|----------------------------------------------|------------------------------------------------|----------------------------------------|
| Energy Micro (Silicon Labs)            | EFM32JG12B500F1024IM48-CR distributor        | EFM32JG12B500F1024IM48-CR supplier             | EFM32JG12B500F1024IM48-CR price        |
| EFM32JG12B500F1024IM48-CR              | EFM32JG12B500F1024IM48-CR download datasheet | EFM32JG12B500F1024IM48-CR datasheet            | EFM32JG12B500F1024IM48-CR stock        |
|                                        |                                              | buy EFM32JG12B500F1024IM48-CR                  | Energy Micro (Silicon Labs)            |
|                                        |                                              |                                                | EFM32JG12B500F1024IM48-CR              |
| Energy Micro EFM32JG12B500F1024IM48-CR | Energy Micro (Silicon Labs)                  | Silicon Laboratories EFM32JG12B500F1024IM48-CR | Silicon Labs EFM32JG12B500F1024IM48-CR |
|                                        | EFM32JG12B500F1024IM48-CR                    |                                                |                                        |

