



EFM32JG12B500F1024IL125-CR

|                     |                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32JG12B500F1024IL125-CR                                                                                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                        |
| Product description | JADE M3 BGA125 I-GRADE                                                                                             |
| Datasheets:         |  1.EFM32JG12B500F1024IL125-CR.pdf |
|                     |  2.EFM32JG12B500F1024IL125-CR.pdf |
| RoHs Status         |  Lead free / RoHS Compliant       |
| Stock Condition     | 25245 pcs stock                                                                                                    |
| Ship From           | Hong Kong                                                                                                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                              |

REQUEST FOR QUOTATION

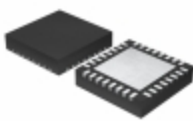
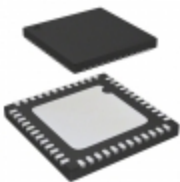
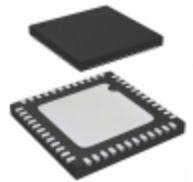
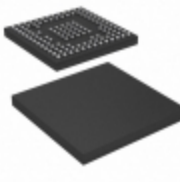
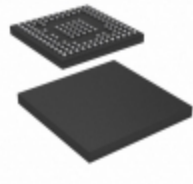
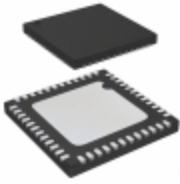
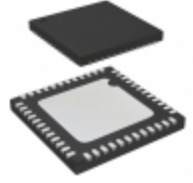
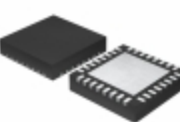
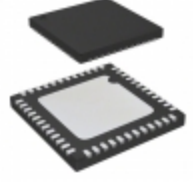
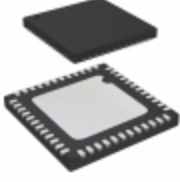
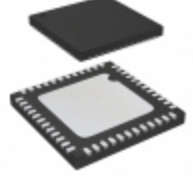
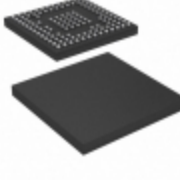
Specifications of EFM32JG12B500F1024IL125-CR

|                                  |                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32JG12B500F1024IL125-CR                                                                                                                                                                                                                   |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                  |
| DESCRIPTION                      | JADE M3 BGA125 I-GRADE                                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 25245 pcs                                                                                                                                                                                                                                    |
| DATA SHEET                       |  1.EFM32JG12B500F1024IL125-CR.pdf<br> 2.EFM32JG12B500F1024IL125-CR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.8 V                                                                                                                                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 125-BGA (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, I²S, POR, PWM, WDT                                                                                                                                                                                              |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                             |
| PACKAGE / CASE                   | 125-VFBGA                                                                                                                                                                                                                                    |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TJ)                                                                                                                                                                                                                           |
| NUMBER OF I/O                    | 65                                                                                                                                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                |
| 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 125-BGA (7x7)                                                                                                                                                  |
| DATA CONVERTERS                  | A/D - 12b SAR                                                                                                                                                                                                                                |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                       |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                                              |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SmartCard, SPI, UART/USART                                                                                                                                                                                                |

Related Tags

|                                                        |                                               |                                                            |
|--------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------|
| Energy Micro (Silicon Labs) EFM32JG12B500F1024IL125-CR | EFM32JG12B500F1024IL125-CR Distributor        | EFM32JG12B500F1024IL125-CR Supplier                        |
| EFM32JG12B500F1024IL125-CR Price                       | EFM32JG12B500F1024IL125-CR Pictures           | EFM32JG12B500F1024IL125-CR Image                           |
| EFM32JG12B500F1024IL125-CR PDF Datasheet               | EFM32JG12B500F1024IL125-CR Download Datasheet | EFM32JG12B500F1024IL125-CR Datasheet                       |
| EFM32JG12B500F1024IL125-CR Stock                       | Buy EFM32JG12B500F1024IL125-CR                | Buy Energy Micro (Silicon Labs) EFM32JG12B500F1024IL125-CR |
| Energy Micro (Silicon Labs) EFM32JG12B500F1024IL125-CR | Energy Micro (Silicon Labs) Supplier          | Energy Micro (Silicon Labs) Distributor                    |
| Energy Micro (Silicon Labs) EFM32JG12B500F1024IL125-CR | Energy Micro EFM32JG12B500F1024IL125-CR       | Energy Micro (Silicon Labs) EFM32JG12B500F1024IL125-CR     |
| Silicon Laboratories EFM32JG12B500F1024IL125-CR        | Silicon Labs EFM32JG12B500F1024IL125-CR       |                                                            |

Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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</div> <div>RFQ</div>  | <div></div> <div><b>EFM32JG12B500F1024IM48-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: JADE M3 QFN48 I-GRADE<br/>In stock: 24488 pcs</div> <div>RFQ</div>           |
| <div></div> <div><b>EFM32JG12B500F1024GM48-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: JADE M3 QFN48 G-GRADE<br/>In stock: 28118 pcs</div> <div>RFQ</div>         | <div></div> <div><b>EFM32JG12B500F1024IL125-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: JADE M3 BGA125 I-GRADE<br/>In stock: 25431 pcs</div> <div>RFQ</div>         |
| <div></div> <div><b>EFM32JG12B500F1024IL125-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 125BGA<br/>In stock: 23011 pcs</div> <div>RFQ</div> | <div></div> <div><b>EFM32JG12B500F1024GM48-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 48QFN<br/>In stock: 23131 pcs</div> <div>RFQ</div>   |
| <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</div> <div>RFQ</div>         | <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</div> <div>RFQ</div>   |
| <div></div> <div><b>EFM32JG12B500F1024GM48-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: JADE M3 QFN48 G-GRADE<br/>In stock: 26130 pcs</div> <div>RFQ</div>          | <div></div> <div><b>EFM32JG12B500F1024IM48-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 48QFN<br/>In stock: 21645 pcs</div> <div>RFQ</div>    |
| <div></div> <div><b>EFM32JG12B500F1024IM48-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 48QFN<br/>In stock: 28388 pcs</div> <div>RFQ</div>  | <div></div> <div><b>EFM32JG12B500F1024IL125-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 125BGA<br/>In stock: 20253 pcs</div> <div>RFQ</div> |