



EFM32PG12B500F1024GM48-B

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32PG12B500F1024GM48-B                                                                                                       |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                                    |
| Product description | IC MCU 32BIT 1MB FLASH 48QFN                                                                                                   |
| Datasheets:         |  <a href="#">EFM32PG12B500F1024GM48-B.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant                   |
| Stock Condition     | 23227 pcs stock                                                                                                                |
| Ship From           | Hong Kong                                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                          |

REQUEST FOR QUOTATION

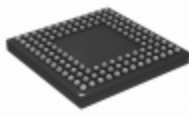
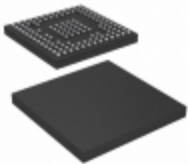
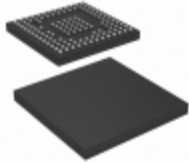
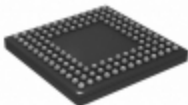
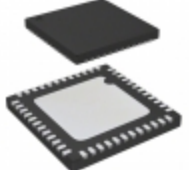
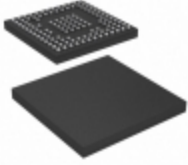
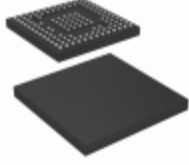
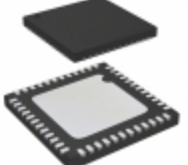
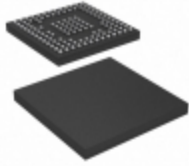
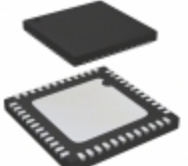
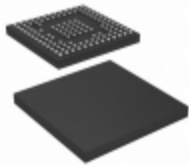
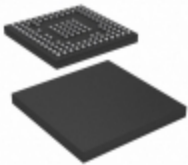
Specifications of EFM32PG12B500F1024GM48-B

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32PG12B500F1024GM48-B                                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 48QFN                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                       |
| QUANTITY AVAILABLE               | 23227 pcs                                                                                                                        |
| DATA SHEET                       |  <a href="#">EFM32PG12B500F1024GM48-B.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.8 V                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 48-QFN (7x7)                                                                                                                     |
| SPEED                            | 40MHz                                                                                                                            |
| SERIES                           | Pearl 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                        | Tube                                                                                                                             |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                                                                                                             |
| OTHER NAMES                      | 336-3941                                                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                |
| NUMBER OF I/O                    | 33                                                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                       |
| EEPROM SIZE                      | -                                                                                                                                |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Pearl 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®-M4                                                                                                                  |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SmartCard, SPI, UART/USART                                                                                    |

Related Tags

|                                                      |                                             |                                                          |
|------------------------------------------------------|---------------------------------------------|----------------------------------------------------------|
| Energy Micro (Silicon Labs) EFM32PG12B500F1024GM48-B | EFM32PG12B500F1024GM48-B Distributor        | EFM32PG12B500F1024GM48-B Supplier                        |
| EFM32PG12B500F1024GM48-B Price                       | EFM32PG12B500F1024GM48-B Pictures           | EFM32PG12B500F1024GM48-B Image                           |
| EFM32PG12B500F1024GM48-B PDF Datasheet               | EFM32PG12B500F1024GM48-B Download Datasheet | EFM32PG12B500F1024GM48-B Datasheet                       |
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| Energy Micro (Silicon Labs) EFM32PG12B500F1024GM48-B | Energy Micro (Silicon Labs) Supplier        | Energy Micro (Silicon Labs) Distributor                  |
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| Silicon Laboratories EFM32PG12B500F1024GM48-B        | Silicon Labs EFM32PG12B500F1024GM48-B       |                                                          |

Related Products

|                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                      |
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|  <div><b>EFM32LG995F64G-E-BGA120</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 120BGA<br/>In stock: 29229 pcs<br/><b>RFQ</b></div>   |  <div><b>EFM32PG12B500F1024IL125-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 125BGA<br/>In stock: 22406 pcs<br/><b>RFQ</b></div> |
|  <div><b>EFM32PG12B500F1024IL125-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: PEARL M4 BGA125 I-GRADE<br/>In stock: 19990 pcs<br/><b>RFQ</b></div>        |  <div><b>EFM32LG995F64G-E-BGA120R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 120BGA<br/>In stock: 27543 pcs<br/><b>RFQ</b></div> |
|  <div><b>EFM32PG12B500F1024GM48-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: PEARL M4 QFN48 G-GRADE<br/>In stock: 18504 pcs<br/><b>RFQ</b></div>          |  <div><b>EFM32PG12B500F1024GL125-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: PEARL M4 BGA125 G-GRADE<br/>In stock: 20899 pcs<br/><b>RFQ</b></div>       |
|  <div><b>EFM32PG12B500F1024GL125-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 125BGA<br/>In stock: 22800 pcs<br/><b>RFQ</b></div> |  <div><b>EFM32PG12B500F1024GM48-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 48QFN<br/>In stock: 24910 pcs<br/><b>RFQ</b></div>  |
|  <div><b>EFM32PG12B500F1024IL125-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 125BGA<br/>In stock: 17677 pcs<br/><b>RFQ</b></div> |  <div><b>EFM32PG12B500F1024GM48-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: PEARL M4 QFN48 G-GRADE<br/>In stock: 21741 pcs<br/><b>RFQ</b></div>        |
|  <div><b>EFM32PG12B500F1024GL125-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: PEARL M4 BGA125 G-GRADE<br/>In stock: 18670 pcs<br/><b>RFQ</b></div>       |  <div><b>EFM32PG12B500F1024GL125-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 125BGA<br/>In stock: 20671 pcs<br/><b>RFQ</b></div> |