

SILICON LABS

Energy Micro (Silicon Labs)



Part Number:EFM32PG1B100F128GM32-B0R

Manufacturer/Brand:Energy Micro (Silicon Labs)

Product descriptionIC MCU 32BIT 128KB FLASH 32QFN

1.EFM32PG1B100F128GM32-B0R.pdf

2.EFM32PG1B100F128GM32-B0R.pdf

3.EFM32PG1B100F128GM32-B0R.pdf

Datasheets:

RoHs Status

Lead free / RoHS Compliant

Stock Condition3052 pcs stock

Ship FromHong Kong

Shipment WayDHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

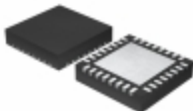
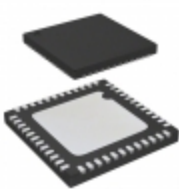
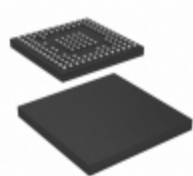
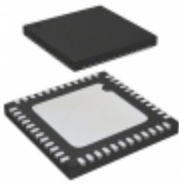
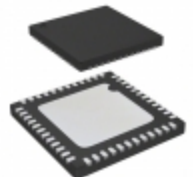
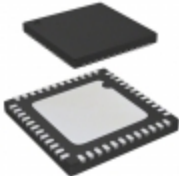
Specifications of EFM32PG1B100F128GM32-B0R

|                                  |                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32PG1B100F128GM32-B0R                                                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 32QFN                                                                                                                                                                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 3052 pcs                                                                                                                                                                                                                                                                                                                                                                               |
| DATA SHEET                       | <div>1.EFM32PG1B100F128GM32-B0R.pdf</div> <div>2.EFM32PG1B100F128GM32-B0R.pdf</div> <div>3.EFM32PG1B100F128GM32-B0R.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.85 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 32-QFN (5x5)                                                                                                                                                                                                                                                                                                                                                                           |
| SPEED                            | 40MHz                                                                                                                                                                                                                                                                                                                                                                                  |
| SERIES                           | Pearl Gecko                                                                                                                                                                                                                                                                                                                                                                            |
| RAM SIZE                         | 32K x 8                                                                                                                                                                                                                                                                                                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 128KB (128K 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                    | 24                                                                                                                                                                                                                                                                                                                                                                                     |
| 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 128KB (128K x 8) FLASH 32-QFN (5x5)                                                                                                                                                                                                                                                                                        |
| DATA CONVERTERS                  | A/D 24x12b                                                                                                                                                                                                                                                                                                                                                                             |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                                                                                                                                                                                        |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SmartCard, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                          |

Related Tags

|                                                      |                                             |                                                          |
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| EFM32PG1B100F128GM32-B0R Price                       | EFM32PG1B100F128GM32-B0R Pictures           | EFM32PG1B100F128GM32-B0R Image                           |
| EFM32PG1B100F128GM32-B0R PDF Datasheet               | EFM32PG1B100F128GM32-B0R Download Datasheet | EFM32PG1B100F128GM32-B0R Datasheet                       |
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| Silicon Laboratories EFM32PG1B100F128GM32-B0R        | Silicon Labs EFM32PG1B100F128GM32-B0R       |                                                          |

Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>EFM32PG1B100F256GM32-B0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 4910 pcs</div> <div>RFQ</div>  | <div></div> <div><b>EFM32PG12B500F1024IM48-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 48QFN<br/>In stock: 22027 pcs</div> <div>RFQ</div>   |
| <div></div> <div><b>EFM32PG12B500F1024IL125-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: PEARL M4 BGA125 I-GRADE<br/>In stock: 20215 pcs</div> <div>RFQ</div>      | <div></div> <div><b>EFM32PG12B500F1024IM48-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 48QFN<br/>In stock: 24263 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>EFM32PG1B100F128GM32-B0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 45517 pcs</div> <div>RFQ</div>  | <div></div> <div><b>EFM32PG1B100F128GM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 35764 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>EFM32PG12B500F1024IM48-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: PEARL M4 QFN48 I-GRADE<br/>In stock: 19200 pcs</div> <div>RFQ</div>         | <div></div> <div><b>EFM32PG1B100F256IM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 32477 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>EFM32PG1B100F256GM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 28171 pcs</div> <div>RFQ</div>  | <div></div> <div><b>EFM32PG12B500F1024IM48-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: PEARL M4 QFN48 I-GRADE<br/>In stock: 19955 pcs</div> <div>RFQ</div>        |
| <div></div> <div><b>EFM32PG1B100F256GM32-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 41798 pcs</div> <div>RFQ</div> | <div></div> <div><b>EFM32PG1B100F128GM32-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 45271 pcs</div> <div>RFQ</div> |