



Energy Micro (Silicon Labs)

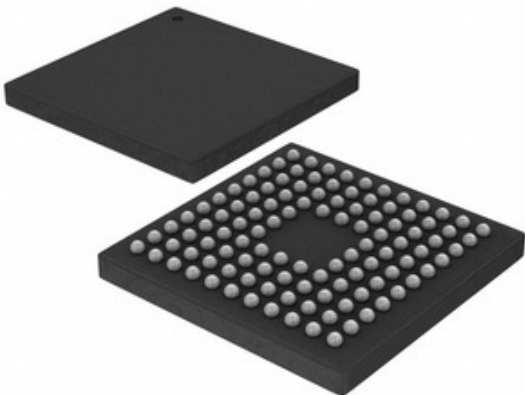


Image may be representation. See specifications for product details.

EFM32GG890F512-BGA112T

|                     |                                                                                                                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32GG890F512-BGA112T                                                                                                                                                                      |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                                                                                                 |
| Product description | IC MCU 32BIT 512KB FLASH 112BGA<br><a href="#">PDF</a> 1.EFM32GG890F512-BGA112T.pdf<br><a href="#">PDF</a> 2.EFM32GG890F512-BGA112T.pdf<br><a href="#">PDF</a> 3.EFM32GG890F512-BGA112T.pdf |
| Datasheets:         | <a href="#">PDF</a> 1.EFM32GG890F512-BGA112T.pdf<br><a href="#">PDF</a> 2.EFM32GG890F512-BGA112T.pdf<br><a href="#">PDF</a> 3.EFM32GG890F512-BGA112T.pdf                                    |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                |
| Ship From           | Hong Kong                                                                                                                                                                                   |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                       |

REQUEST FOR QUOTATION

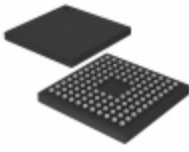
Specifications of EFM32GG890F512-BGA112T

|                                  |                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32GG890F512-BGA112T                                                                                                                                   |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                              |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 112BGA                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                               |
| DATA SHEET                       | <a href="#">PDF</a> 1.EFM32GG890F512-BGA112T.pdf<br><a href="#">PDF</a> 2.EFM32GG890F512-BGA112T.pdf<br><a href="#">PDF</a> 3.EFM32GG890F512-BGA112T.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.85 V ~ 3.8 V                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 112-BGA (10x10)                                                                                                                                          |
| SPEED                            | 48MHz                                                                                                                                                    |
| SERIES                           | Giant Gecko                                                                                                                                              |
| RAM SIZE                         | 128K x 8                                                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                                                                          |
| PACKAGING                        | Tray                                                                                                                                                     |
| PACKAGE / CASE                   | 112-LFBGA                                                                                                                                                |
| OTHER NAMES                      | EFM32GG890F512-BGA112-T<br>EFM32GG890F512-T<br>EFM32GG890F512-T-ND                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                        |
| NUMBER OF I/O                    | 90                                                                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                               |
| EEPROM SIZE                      | -                                                                                                                                                        |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 Giant Gecko Microcontroller IC 32-Bit 48MHz 512KB (512K x 8) FLASH 112-BGA (10x10)                                                       |
| DATA CONVERTERS                  | A/D 8x12b, D/A 2x12b                                                                                                                                     |
| CORE SIZE                        | 32-Bit                                                                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                          |
| CONNECTIVITY                     | EBI/EMI, I²C, IrDA, SmartCard, SPI, UART/USART                                                                                                           |

Related Tags

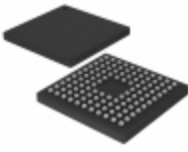
|                                                    |                                           |                                                        |
|----------------------------------------------------|-------------------------------------------|--------------------------------------------------------|
| Energy Micro (Silicon Labs) EFM32GG890F512-BGA112T | EFM32GG890F512-BGA112T Distributor        | EFM32GG890F512-BGA112T Supplier                        |
| EFM32GG890F512-BGA112T Price                       | EFM32GG890F512-BGA112T Pictures           | EFM32GG890F512-BGA112T Image                           |
| EFM32GG890F512-BGA112T PDF Datasheet               | EFM32GG890F512-BGA112T Download Datasheet | EFM32GG890F512-BGA112T Datasheet                       |
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| Silicon Laboratories EFM32GG890F512-BGA112T        | Silicon Labs EFM32GG890F512-BGA112T       |                                                        |

Related Products



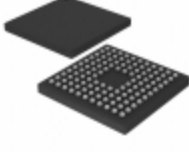
**EFM32GG890F512G-E-BGA112**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 512KB FLASH 112BGA  
In stock: Out stock  

RFQ



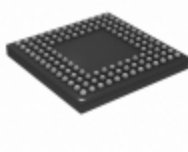
**EFM32GG890F512G-E-BGA112R**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 512KB FLASH 112BGA  
In stock: Out stock  

RFQ



**EFM32GG890F1024-BGA112T**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 1MB FLASH 112BGA  
In stock: Out stock  

RFQ



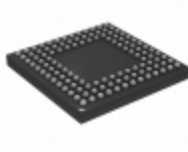
**EFM32GG895F1024-BGA120**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 1MB FLASH 120BGA  
In stock: Out stock  

RFQ



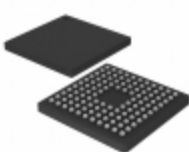
**EFM32GG880F512G-E-QFP100R**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 512KB FLASH 100LQFP  
In stock: 988 pcs  

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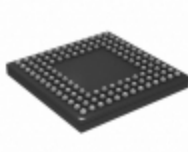
**EFM32GG895F1024G-E-BGA120**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 1MB FLASH 120BGA  
In stock: Out stock  

RFQ



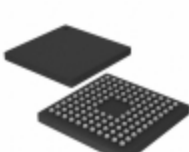
**EFM32GG890F1024G-E-BGA112**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 1MB FLASH 112BGA  
In stock: Out stock  

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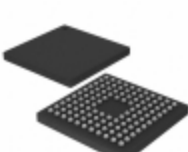
**EFM32GG895F1024G-E-BGA120R**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 1MB FLASH 120BGA  
In stock: Out stock  

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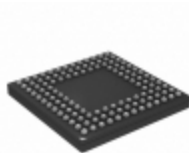
**EFM32GG890F1024-BGA112**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 1MB FLASH 112BGA  
In stock: 47 pcs  

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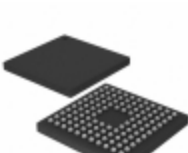
**EFM32GG890F1024G-E-BGA112R**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 1MB FLASH 112BGA  
In stock: Out stock  

RFQ



**EFM32GG895F1024-BGA120T**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 1MB FLASH 120BGA  
In stock: Out stock  

RFQ



**EFM32GG890F512-BGA112**  
Manufacturers: Energy Micro (Silicon Labs)  
Description: IC MCU 32BIT 512KB FLASH 112BGA  
In stock: Out stock  

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