



Energy Micro (Silicon Labs)



EFM32G890F32G-E-BGA112R

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32G890F32G-E-BGA112R                                                                                       |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                   |
| Product description | 32K FLASH, 8K RAM, 4X40 LCD, AES                                                                              |
| Datasheets:         |  EFM32G890F32G-E-BGA112R.pdf |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

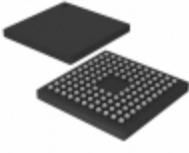
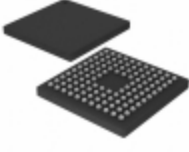
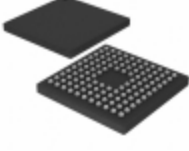
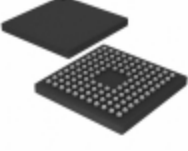
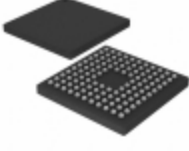
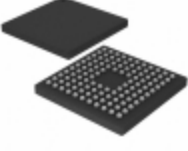
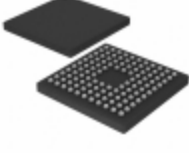
Specifications of EFM32G890F32G-E-BGA112R

|                                  |                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32G890F32G-E-BGA112R                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                     |
| DESCRIPTION                      | 32K FLASH, 8K RAM, 4X40 LCD, AES                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                      |
| DATA SHEET                       |  EFM32G890F32G-E-BGA112R.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.98 V ~ 3.8 V                                                                                                  |
| SPEED                            | 32MHz                                                                                                           |
| SERIES                           | Gecko                                                                                                           |
| RAM SIZE                         | 8K x 8                                                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                           |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                  |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                                 |
| OSCILLATOR TYPE                  | Internal                                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                               |
| NUMBER OF I/O                    | 90                                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                   |
| MANUFACTURER STANDARD LEAD TIME  | 6 Weeks                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                      |
| EEPROM SIZE                      | -                                                                                                               |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 Gecko Microcontroller IC 32-Bit 32MHz 32KB (32K x 8) FLASH                                      |
| 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

|                                                     |                                            |                                                         |
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| EFM32G890F32G-E-BGA112R Price                       | EFM32G890F32G-E-BGA112R Pictures           | EFM32G890F32G-E-BGA112R Image                           |
| EFM32G890F32G-E-BGA112R PDF Datasheet               | EFM32G890F32G-E-BGA112R Download Datasheet | EFM32G890F32G-E-BGA112R Datasheet                       |
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| Silicon Laboratories EFM32G890F32G-E-BGA112R        | Silicon Labs EFM32G890F32G-E-BGA112R       |                                                         |

Related Products

|                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>EFM32G890F32-BGA112</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 32KB FLASH 112BGA</div> <div>In stock: Out stock</div> <div>RFQ</div>     |  <div>EFM32GG-DK3750</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: KIT DEV EFM32 GIANT GECKO</div> <div>In stock: 1 pcs</div> <div>RFQ</div>                      |
|  <div>EFM32G890F128G-E-BGA112</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: 128K FLASH, 16K RAM, 4X40 LCD, A</div> <div>In stock: 168 pcs</div> <div>RFQ</div> |  <div>EFM32G890F64G-E-BGA112R</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: 64K FLASH, 16K RAM, 4X40 LCD, AE</div> <div>In stock: Out stock</div> <div>RFQ</div>  |
|  <div>EFM32G890F64-BGA112</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 64KB FLASH 112BGA</div> <div>In stock: Out stock</div> <div>RFQ</div>     |  <div>EFM32G890F128-BGA112T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 128KB FLASH 112BGA</div> <div>In stock: 131 pcs</div> <div>RFQ</div>       |
|  <div>EFM32GG-MCP3750</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: BOARD MCU PLUGIN GIANT GECKO DK</div> <div>In stock: 10 pcs</div> <div>RFQ</div>           |  <div>EFM32G890F32G-E-BGA112</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: 32K FLASH, 8K RAM, 4X40 LCD, AES</div> <div>In stock: Out stock</div> <div>RFQ</div>   |
|  <div>EFM32G890F64-BGA112T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 64KB FLASH 112BGA</div> <div>In stock: Out stock</div> <div>RFQ</div>    |  <div>EFM32G890F128G-E-BGA112R</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: 128K FLASH, 16K RAM, 4X40 LCD, A</div> <div>In stock: Out stock</div> <div>RFQ</div> |
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