



EFM32TG225F16-BGA48

|                     |                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32TG225F16-BGA48                                                                                                                                                                                                        |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                                                                                                                                |
| Product description | IC MCU 32BIT 16KB FLASH 48VFBGA                                                                                                                                                                                            |
| Datasheets:         |  1.EFM32TG225F16-BGA48.pdf<br> 2.EFM32TG225F16-BGA48.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                               |
| Stock Condition     | 48394 pcs stock                                                                                                                                                                                                            |
| Ship From           | Hong Kong                                                                                                                                                                                                                  |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                      |

REQUEST FOR QUOTATION

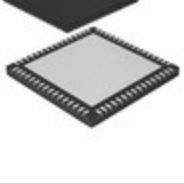
Specifications of EFM32TG225F16-BGA48

|                                  |                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32TG225F16-BGA48                                                                                                                                                                                                            |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 16KB FLASH 48VFBGA                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                     |
| QUANTITY AVAILABLE               | 48394 pcs                                                                                                                                                                                                                      |
| DATA SHEET                       |  1.EFM32TG225F16-BGA48.pdf<br> 2.EFM32TG225F16-BGA48.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.85 V ~ 3.8 V                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 48-BGA (4x4)                                                                                                                                                                                                                   |
| SPEED                            | 32MHz                                                                                                                                                                                                                          |
| SERIES                           | Tiny Gecko                                                                                                                                                                                                                     |
| RAM SIZE                         | 4K x 8                                                                                                                                                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                          |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                                                                                                                                                                                 |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                                                                                                                                |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 48-VFBGA                                                                                                                                                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                       |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                              |
| NUMBER OF I/O                    | 37                                                                                                                                                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                     |
| EEPROM SIZE                      | -                                                                                                                                                                                                                              |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 Tiny Gecko Microcontroller IC 32-Bit 32MHz 16KB (16K x 8) FLASH 48-BGA (4x4)                                                                                                                                   |
| DATA CONVERTERS                  | A/D 4x12b, D/A 1x12b                                                                                                                                                                                                           |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                         |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                                |
| CONNECTIVITY                     | EBI/EMI, I²C, IrDA, SmartCard, SPI, UART/USART                                                                                                                                                                                 |

Related Tags

|                                                 |                                        |                                                     |
|-------------------------------------------------|----------------------------------------|-----------------------------------------------------|
| Energy Micro (Silicon Labs) EFM32TG225F16-BGA48 | EFM32TG225F16-BGA48 Distributor        | EFM32TG225F16-BGA48 Supplier                        |
| EFM32TG225F16-BGA48 Price                       | EFM32TG225F16-BGA48 Pictures           | EFM32TG225F16-BGA48 Image                           |
| EFM32TG225F16-BGA48 PDF Datasheet               | EFM32TG225F16-BGA48 Download Datasheet | EFM32TG225F16-BGA48 Datasheet                       |
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| Energy Micro (Silicon Labs) EFM32TG225F16-BGA48 | Energy Micro (Silicon Labs) Supplier   | Energy Micro (Silicon Labs) Distributor             |
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| Silicon Laboratories EFM32TG225F16-BGA48        | Silicon Labs EFM32TG225F16-BGA48       |                                                     |

Related Products

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|  <p><b>EFM32TG225F8-BGA48</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 8KB FLASH 48VFBGA<br/>In stock: 57627 pcs</p> <p>RFQ</p>    |  <p><b>EFM32TG222F32-QFP48T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 32KB FLASH 48TQFP<br/>In stock: 50239 pcs</p> <p>RFQ</p> |
|  <p><b>EFM32TG225F8-BGA48T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 8KB FLASH 48VFBGA<br/>In stock: 56018 pcs</p> <p>RFQ</p>   |  <p><b>EFM32TG225F32-BGA48</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 32KB FLASH 48VFBGA<br/>In stock: 52316 pcs</p> <p>RFQ</p> |
|  <p><b>EFM32TG225F16-BGA48T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 16KB FLASH 48VFBGA<br/>In stock: 48475 pcs</p> <p>RFQ</p> |  <p><b>EFM32TG222F8-QFP48</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 8KB FLASH 48TQFP<br/>In stock: 70341 pcs</p> <p>RFQ</p>    |
|  <p><b>EFM32TG225F32-BGA48T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 32KB FLASH 48VFBGA<br/>In stock: 43699 pcs</p> <p>RFQ</p> |  <p><b>EFM32TG222F16-QFP48</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 16KB FLASH 48TQFP<br/>In stock: 68528 pcs</p> <p>RFQ</p>  |
|  <p><b>EFM32TG222F32-QFP48</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 32KB FLASH 48TQFP<br/>In stock: 65777 pcs</p> <p>RFQ</p>   |  <p><b>EFM32TG222F8-QFP48T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 8KB FLASH 48TQFP<br/>In stock: 64046 pcs</p> <p>RFQ</p>   |
|  <p><b>EFM32TG230F16-QFN64</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 16KB FLASH 64QFN<br/>In stock: 59383 pcs</p> <p>RFQ</p>    |  <p><b>EFM32TG222F16-QFP48T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 16KB FLASH 48TQFP<br/>In stock: 64803 pcs</p> <p>RFQ</p> |