



SILICON LABS

Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

EFM32GG395F1024-BGA120

|                     |                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32GG395F1024-BGA120                                                                                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                    |
| Product description | IC MCU 32BIT 1MB FLASH 120BGA                                                                                  |
|                     |  1.EFM32GG395F1024-BGA120.pdf |
|                     |  2.EFM32GG395F1024-BGA120.pdf |
|                     |  3.EFM32GG395F1024-BGA120.pdf |
| Datasheets:         |                                                                                                                |
|                     |  Lead free / RoHS Compliant   |
| RoHs Status         |                                                                                                                |
| Stock Condition     | 13037 pcs stock                                                                                                |
| Ship From           | Hong Kong                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                          |

REQUEST FOR QUOTATION

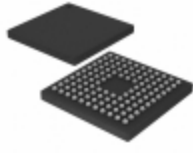
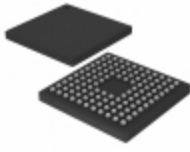
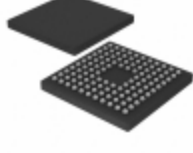
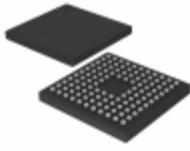
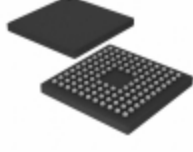
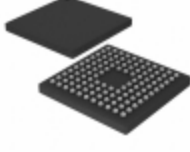
Specifications of EFM32GG395F1024-BGA120

|                                  |                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32GG395F1024-BGA120                                                                                                                                                                                                                                                                                                                                   |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                                              |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 120BGA                                                                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 13037 pcs                                                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       |  1.EFM32GG395F1024-BGA120.pdf<br> 2.EFM32GG395F1024-BGA120.pdf<br> 3.EFM32GG395F1024-BGA120.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.98 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 120-BGA (7x7)                                                                                                                                                                                                                                                                                                                                            |
| SPEED                            | 48MHz                                                                                                                                                                                                                                                                                                                                                    |
| SERIES                           | Giant Gecko                                                                                                                                                                                                                                                                                                                                              |
| RAM SIZE                         | 128K x 8                                                                                                                                                                                                                                                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                                                                                                                                                                                                                                                                                             |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                                                                                                                                                                                                                                                                               |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 120-VFBGA                                                                                                                                                                                                                                                                                                                                                |
| OTHER NAMES                      | 914-1064-2<br>EFM32GG395F1024<br>EFM32GG395F1024-ND                                                                                                                                                                                                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 93                                                                                                                                                                                                                                                                                                                                                       |
| 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 1MB (1M x 8) FLASH 120-BGA (7x7)                                                                                                                                                                                                                                                             |
| 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, USB                                                                                                                                                                                                                                                                                                      |

Related Tags

|                                                    |                                           |                                                        |
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| Silicon Laboratories EFM32GG395F1024-BGA120        | Silicon Labs EFM32GG395F1024-BGA120       |                                                        |

Related Products

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                       |
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|  <div>EFM32GG390F512-BGA112</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 112BGA<br/>In stock: 18279 pcs</div> <div>RFQ</div>     |  <div>EFM32GG395F512-BGA120T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 120BGA<br/>In stock: 11702 pcs</div> <div>RFQ</div>   |
|  <div>EFM32GG395F1024G-E-BGA120</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 120BGA<br/>In stock: 11113 pcs</div> <div>RFQ</div>   |  <div>EFM32GG395F1024G-E-BGA120R</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 120BGA<br/>In stock: 15097 pcs</div> <div>RFQ</div> |
|  <div>EFM32GG395F512G-E-BGA120</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 120BGA<br/>In stock: 13274 pcs</div> <div>RFQ</div>  |  <div>EFM32GG390F1024G-E-BGA112</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 112BGA<br/>In stock: 11397 pcs</div> <div>RFQ</div>  |
|  <div>EFM32GG395F1024-BGA120T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 120BGA<br/>In stock: 9367 pcs</div> <div>RFQ</div>      |  <div>EFM32GG395F512-BGA120</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 120BGA<br/>In stock: 17435 pcs</div> <div>RFQ</div>    |
|  <div>EFM32GG390F512G-E-BGA112R</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 112BGA<br/>In stock: 20218 pcs</div> <div>RFQ</div> |  <div>EFM32GG390F512G-E-BGA112</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 112BGA<br/>In stock: 19043 pcs</div> <div>RFQ</div> |
|  <div>EFM32GG390F1024G-E-BGA112R</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 1MB FLASH 112BGA<br/>In stock: 13254 pcs</div> <div>RFQ</div>  |  <div>EFM32GG390F512-BGA112T</div> <div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 512KB FLASH 112BGA<br/>In stock: 15522 pcs</div> <div>RFQ</div>   |