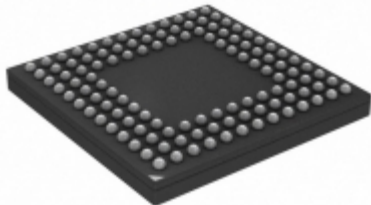


EFM32GG11B420F2048IL120-A



**SILICON LABS**

**Part Number:** [EFM32GG11B420F2048IL120-A](#)

**Manufacturer:** [Energy Micro \(Silicon Labs\)](#)

**Description:** EFM32 GIANT GECKO 11 ULTRA LOW P

**Data sheet:**  [EFM32GG11 Family Preliminary](#)

**RoHs Status:** RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

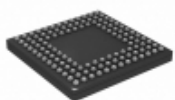
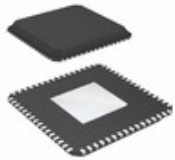
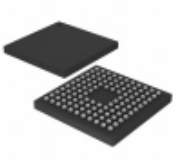
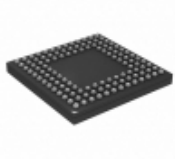
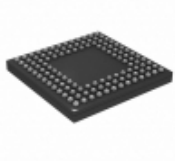
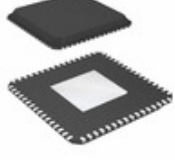
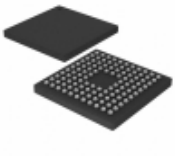
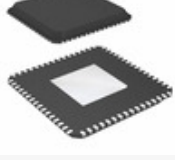
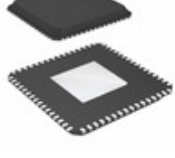
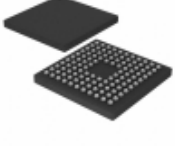
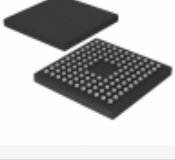
Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER               |                                                                                                  |                                  |                                                 |
|---------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------|
| Part Number                     | EFM32GG11B420F2048IL120-A                                                                        | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>     |
| Description                     | EFM32 GIANT GECKO 11 ULTRA LOW P                                                                 | Lead Free Status / RoHS Status   | RoHS Compliant                                  |
| Quantity Available              | 11425 pcs                                                                                        | Data sheet                       | <a href="#">EFM32GG11 Family Preliminary</a>    |
| Category                        | <a href="#">Integrated Circuits (ICs)</a>                                                        | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                   |
| Supplier Device Package         | 120-BGA (7x7)                                                                                    | Speed                            | 72MHz                                           |
| Series                          | Giant Gecko S1                                                                                   | RoHS Status                      | RoHS Compliant                                  |
| RAM Size                        | 512K x 8                                                                                         | Program Memory Type              | FLASH                                           |
| Program Memory Size             | 2MB (2M x 8)                                                                                     | Peripherals                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT |
| Packaging                       | Tray                                                                                             | Package / Case                   | 120-VFBGA                                       |
| Oscillator Type                 | Internal                                                                                         | Operating Temperature            | -40°C ~ 125°C (TA)                              |
| Number of I/O                   | 93                                                                                               | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                   |
| Manufacturer Standard Lead Time | 6 Weeks                                                                                          | EEPROM Size                      | -                                               |
| Detailed Description            | ARM® Cortex®-M4 Giant Gecko S1 Microcontroller IC 32-Bit 72MHz 2MB (2M x 8) FLASH 120-BGA (7x7)  | Data Converters                  | A/D 16x12b SAR, D/A 2x12b                       |
| Core Size                       | 32-Bit                                                                                           | Core Processor                   | ARM® Cortex®-M4                                 |
| Connectivity                    | CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SmartCard, SPI, UART/USART, USB |                                  |                                                 |

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|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EFM32GG11B420F2048IL120-B</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048GQ64-B</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048IM64-AR</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048IL112-BR</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048IL120-BR</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048GQ100-B</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048IL120-AR</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048GQ64-BR</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048GQ64-A</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048IM64-A</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048GQ64-AR</a><br>Description: EFM32 GIANT GECKO 11 ULTRA LOW P  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048IQ100-B</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32GG11B420F2048IL112-B</a><br>Description: GIANT GECKO 11 ULTRA LOW POWER M  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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| Related keywords for EFM32GG11B420F2048IL120-A |                                                          |                                                                      |                                                                                             |
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