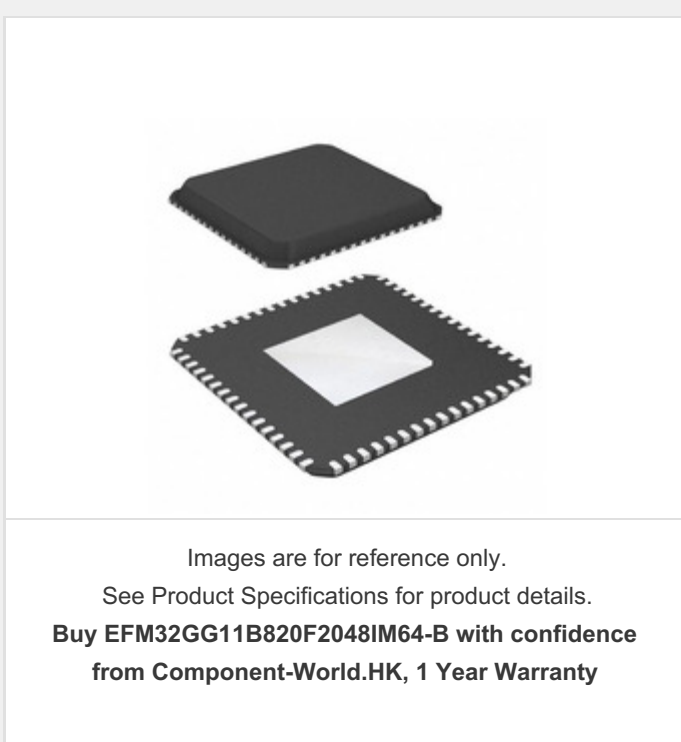


**EFM32GG11B820F2048IM64-B**



**SILICON LABS**  
**Part Number:** [EFM32GG11B820F2048IM64-B](#)  
**Manufacturer:** [Energy Micro \(Silicon Labs\)](#)  
**Description:** GIANT GECKO 11 ULTRA LOW POWER M  
**Data sheet:** [EFM32GG11 Family Preliminary](#)

**RoHS Status:** Lead free / 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	
<b>Part Number</b>	EFM32GG11B820F2048IM64-B
<b>Description</b>	GIANT GECKO 11 ULTRA LOW POWER M
<b>Quantity Available</b>	11723 pcs
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>
<b>Supplier Device Package</b>	64-QFN (9x9)
<b>Series</b>	Giant Gecko S1
<b>Program Memory Type</b>	FLASH
<b>Peripherals</b>	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT
<b>Package / Case</b>	64-WFQFN Exposed Pad
<b>Operating Temperature</b>	-40°C ~ 125°C (TA)
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Detailed Description</b>	ARM® Cortex®-M4 Giant Gecko S1 Microcontroller IC 32-Bit 72MHz 2MB (2M x 8) FLASH 64-QFN (9x9)
<b>Core Size</b>	32-Bit
<b>Connectivity</b>	CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SmartCard, SPI, UART/USART, USB
<b>Manufacturer</b>	<a href="#">Energy Micro (Silicon Labs)</a>
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	<a href="#">EFM32GG11 Family Preliminary</a>
<b>Voltage - Supply (Vcc/Vdd)</b>	<a href="#">Preliminary 1.8 V ~ 3.6 V</a>
<b>Speed</b>	72MHz
<b>RAM Size</b>	512K x 8
<b>Program Memory Size</b>	2MB (2M x 8)
<b>Packaging</b>	Tray
<b>Oscillator Type</b>	Internal
<b>Number of I/O</b>	50
<b>Manufacturer Standard Lead Time</b>	6 Weeks
<b>EEPROM Size</b>	-
<b>Data Converters</b>	A/D 16x12b SAR, D/A 2x12b
<b>Core Processor</b>	ARM® Cortex®-M4

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	<b>Part#:</b> <a href="#">EFM32GG11B820F2048IQ100-BR</a> <b>Description:</b> GIANT GECKO 11 ULTRA LOW POWER M	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EFM32GG11B820F2048IM64-AR</a> <b>Description:</b> EFM32 GIANT GECKO 11 ULTRA LOW P	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a>	<a href="#">RFQ</a>
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