

EFM32GG230F512G-E-QFN64R



SILICON LABS



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Part Number: [EFM32GG230F512G-E-QFN64R](#)

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

Description: IC MCU 32BIT 512KB FLASH 64QFN

Data sheet:  [EFM32GG230](#)
 [EFM32GG Ref Manual](#)
 [EFM32 Product Introduction](#)

RoHs Status: Lead free / RoHS Compliant

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See Product Specifications for product details.
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PRODUCT PARAMETER				
Part Number	EFM32GG230F512G-E-QFN64R	Manufacturer	Energy Micro (Silicon Labs)	
Description	IC MCU 32BIT 512KB FLASH 64QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant	
Quantity Available	22623 pcs	Data sheet	EFM32GG230 EFM32GG Ref Manual EFM32 Product Introduction	
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.98 V ~ 3.8 V	
Supplier Device Package	64-QFN (9x9)	Speed	48MHz	
Series	Giant Gecko	RAM Size	128K x 8	
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)	
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Packaging	Tape & Reel (TR)	
Package / Case	64-VFQFN Exposed Pad	Other Names	336-4202-2 EFM32GG230F512G-E-QFN64R-ND	
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)	
Number of I/O	56	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 Giant Gecko Microcontroller IC 32-Bit 48MHz 512KB (512K x 8) FLASH 64-QFN (9x9)	
Data Converters	A/D 8x12b, D/A 2x12b	Core Size	32-Bit	
Core Processor	ARM® Cortex®-M3	Connectivity	I²C, IrDA, SmartCard, SPI, UART/USART	
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RELATED PRODUCTS				
	Part#: EFM32GG232F1024G-E-QFP64	Manufacturers: Energy Micro (Silicon Labs)	RFQ	
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	Part#: EFM32GG11B840F1024IQ64-AR	Manufacturers: Energy Micro (Silicon Labs)	RFQ	
Description: EFM32 GIANT GECKO 11 ULTRA LOW P				
	Part#: EFM32GG232F512G-E-QFP64R	Manufacturers: Energy Micro (Silicon Labs)	RFQ	
Description: IC MCU 32BIT 512KB FLASH 64TQFP				
	Part#: EFM32GG232F512-QFP64T	Manufacturers: Energy Micro (Silicon Labs)	RFQ	
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Description: IC MCU 32BIT 1MB FLASH 64QFN				
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Description: IC MCU 32BIT 1MB FLASH 64TQFP				
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Description: IC MCU 32BIT 1MB FLASH 100LQFP				

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