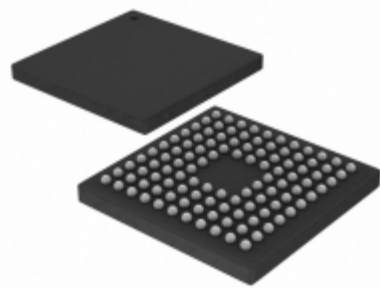


EFM32G890F32-BGA112T



**SILICON LABS**

Part Number: [EFM32G890F32-BGA112T](#)

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

Description: IC MCU 32BIT 32KB FLASH 112BGA

Data sheet:  [EFM32\(G\) Family Datasheet](#)
 [EFM32G890 Errata](#)
 [EFM32G Reference Manual](#)

RoHs Status: Lead free / RoHS Compliant

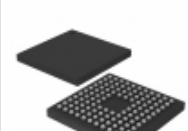
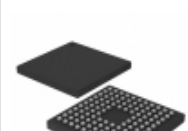
Ship From: Hong Kong

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

Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EFM32G890F32-BGA112T	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 32KB FLASH 112BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	36265 pcs	Data sheet	EFM32(G) Family Datasheet EFM32G890 Errata EFM32G Reference Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.85 V ~ 3.8 V
Supplier Device Package	112-BGA (10x10)	Speed	32MHz
Series	Gecko	RAM Size	8K x 8
Program Memory Type	FLASH	Program Memory Size	32KB (32K x 8)
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Packaging	Tray
Package / Case	112-LFBGA	Other Names	EFM32G890F32-BGA112-T EFM32G890F32-T EFM32G890F32-T-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	90	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M3 Gecko Microcontroller IC 32-Bit 32MHz 32KB (32K x 8) FLASH 112-BGA (10x10)	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		
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	Part#: EFM32G890F64G-E-BGA112R Description: 64K FLASH, 16K RAM, 4X40 LCD, AE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G880F64G-E-QFP100 Description: 64K FLASH, 16K RAM, 4X40 LCD, AE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G890F32-BGA112 Description: IC MCU 32BIT 32KB FLASH 112BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G890F128-BGA112T Description: IC MCU 32BIT 128KB FLASH 112BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G890F128G-E-BGA112 Description: 128K FLASH, 16K RAM, 4X40 LCD, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G880F64-QFP100 Description: IC MCU 32BIT 64KB FLASH 100LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G890F32G-E-BGA112 Description: 32K FLASH, 8K RAM, 4X40 LCD, AES	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G880F64-QFP100T Description: IC MCU 32BIT 64KB FLASH 100LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32G890F32G-E-BGA112R Description: 32K FLASH, 8K RAM, 4X40 LCD, AES	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G890F64-BGA112T Description: IC MCU 32BIT 64KB FLASH 112BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32GG-DK3750 Description: KIT DEV EFM32 GIANT GECKO	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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