

EFM32LG890F64G-E-BGA112R



SILICON LABS



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Part Number: [EFM32LG890F64G-E-BGA112R](#)

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

Description: IC MCU 32BIT 64KB FLASH 112BGA

Data sheet:  [EFM32LG Ref Manual](#)
 [EFM32LG890 Errata History](#)
 [EFM32\(LG\) Errata](#)
 [EFM32\(LG\) Family Datasheet](#)
 [EFM32LG890 Errata, Chip rev. E](#)

RoHs Status: Lead free / RoHS Compliant

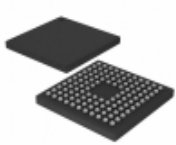
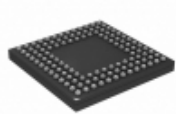
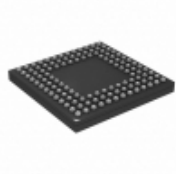
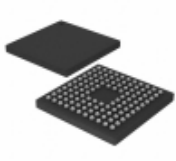
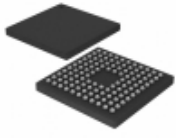
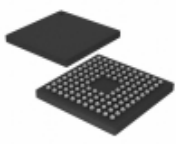
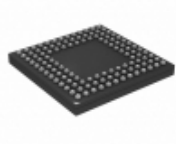
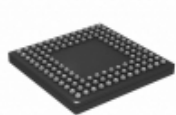
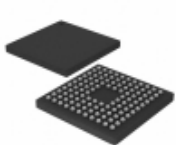
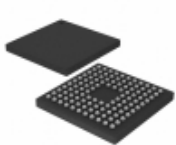
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PRODUCT PARAMETER			
Part Number	EFM32LG890F64G-E-BGA112R	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 64KB FLASH 112BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	29934 pcs	Data sheet	EFM32LG Ref Manual EFM32LG890 Errata History EFM32(LG) Errata EFM32(LG) Family Datasheet EFM32LG890 Errata, Chip rev. E
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.85 V ~ 3.8 V
Supplier Device Package	112-BGA (10x10)	Speed	48MHz
Series	Leopard Gecko	RAM Size	32K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (64K x 8)
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	112-TFBGA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	90
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 Leopard Gecko Microcontroller IC 32-Bit 48MHz 64KB (64K 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#: EFM32LG895F256G-E-BGA120R Description: IC MCU 32BIT 256KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG895F128G-E-BGA120R Description: IC MCU 32BIT 128KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG895F256-BGA120 Description: IC MCU 32BIT 256KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32LG890F256-BGA112 Description: IC MCU 32BIT 256KB FLASH 112BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32LG895F64-BGA120 Description: IC MCU 32BIT 64KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32LG890F256-BGA112T Description: IC MCU 32BIT 256KB FLASH 112BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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