

EFM32LG990F128G-E-BGA112



SILICON LABS



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Part Number: [EFM32LG990F128G-E-BGA112](#)

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

Description: IC MCU 32BIT 128KB FLASH 112BGA

Data sheet:  [EFM32\(LG\) Errata](#)
 [EFM32\(LG\) Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

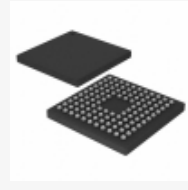
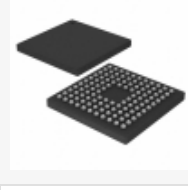
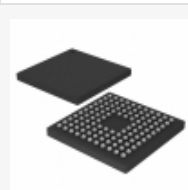
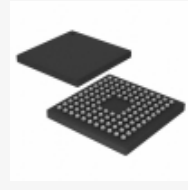
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PRODUCT PARAMETER		
Part Number	EFM32LG990F128G-E-BGA112	Manufacturer Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 128KB FLASH 112BGA	Lead Free Status / RoHS Status Lead free / RoHS Compliant
Quantity Available	21426 pcs	Data sheet EFM32(LG) Errata EFM32(LG) Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd) 1.85 V ~ 3.8 V
Supplier Device Package	112-LFBGA (10x10)	Speed 48MHz
Series	Leopard Gecko	RAM Size 32K x 8
Program Memory Type	FLASH	Program Memory Size 128KB (128K x 8)
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Packaging Tray
Package / Case	112-LFBGA	Oscillator Type Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O 87
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 128KB (128K x 8) FLASH 112-LFBGA (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, USB	
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