

EFM32TG825F8-BGA48



**SILICON LABS**

Part Number: [EFM32TG825F8-BGA48](#)

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

Description: IC MCU 32BIT 8KB FLASH 48VFBGA

Data sheet:  [EFM32TG Ref Manual](#)
 [EFM32TG825 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

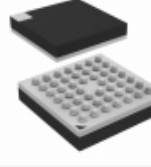
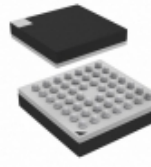
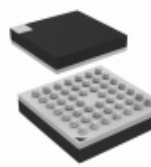
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PRODUCT PARAMETER			
Part Number	EFM32TG825F8-BGA48	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 8KB FLASH 48VFBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	55586 pcs	Data sheet	EFM32TG Ref Manual EFM32TG825 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.85 V ~ 3.8 V
Supplier Device Package	48-BGA (4x4)	Speed	32MHz
Series	Tiny Gecko	RAM Size	2K x 8
Program Memory Type	FLASH	Program Memory Size	8KB (8K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	48-VFBGA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	37
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 Tiny Gecko Microcontroller IC 32-Bit 32MHz 8KB (8K x 8) FLASH 48-BGA (4x4)	Data Converters	A/D 4x12b, D/A 1x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M3
Connectivity	EBI/EMI, I ² C, IrDA, SmartCard, SPI, UART/USART		
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