

**EFM32TG825F16-BGA48 Information**


For Reference Only

**Part Number** [EFM32TG825F16-BGA48](#)  
**Manufacturer** Silicon Labs  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 32BIT 16KB FLASH 48VFBGA  
**Package** 48-VFBGA  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**EFM32TG825F16-BGA48 Specifications**

Manufacturer Part Number	<a href="#">EFM32TG825F16-BGA48</a>
Manufacturer	Silicon Labs
Category	Integrated Circuits (ICs) <a href="#">Embedded - Microcontrollers</a>
Package	48-VFBGA
Series	Tiny Gecko
Core Processor	ARM? Cortex?-M3
Core Size	32-Bit
Speed	32MHz
Connectivity	EBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDT
Number of I/O	37
Program Memory Size	16KB (16K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	4K x 8
Voltage - Supply (Vcc/Vdd)	1.85 V ~ 3.8 V
Data Converters	A/D 4x12b, D/A 1x12b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)
Mounting Type	-
Package / Case	48-VFBGA
Supplier Device Package	48-BGA (4x4)

[Report errors?](#)

## EFM32TG825F16-BGA48 Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## EFM32TG825F16-BGA48 Payment Methods



## EFM32TG825F16-BGA48 Shipping Methods



If you have any question about EFM32TG825F16-BGA48, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)