

EFM32TG822F32-QFP48T



**SILICON LABS**

Part Number: [EFM32TG822F32-QFP48T](#)

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

Description: IC MCU 32BIT 32KB FLASH 48TQFP

Data sheet:  [EFM32TG Ref Manual](#)
 [EFM32TG822 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

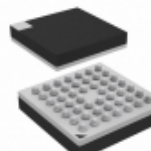
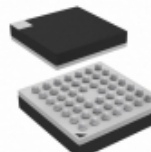
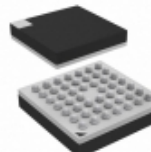
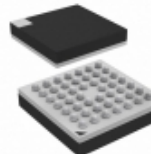
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See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EFM32TG822F32-QFP48T	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 32KB FLASH 48TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	48656 pcs	Data sheet	EFM32TG Ref Manual EFM32TG822 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.85 V ~ 3.8 V
Supplier Device Package	48-TQFP (7x7)	Speed	32MHz
Series	Tiny Gecko	RAM Size	4K x 8
Program Memory Type	FLASH	Program Memory Size	32KB (32K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Packaging	Tray
Package / Case	48-TQFP	Other Names	EFM32TG822F32-QFP48-T EFM32TG822F32-T EFM32TG822F32-T-ND
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 32KB (32K x 8) FLASH 48-TQFP (7x7)
Data Converters	A/D 4x12b, D/A 1x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M3	Connectivity	I ² C, IrDA, SmartCard, SPI, UART/USART
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	Part#: EFM32TG232F8-QFP64T Description: IC MCU 32BIT 8KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32TG822F16-QFP48T Description: IC MCU 32BIT 16KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32TG822F8-QFP48 Description: IC MCU 32BIT 8KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32TG825F32-BGA48 Description: IC MCU 32BIT 32KB FLASH 48VFBGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32TG840F16-QFN64T Description: IC MCU 32BIT 16KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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