

EFM32G222F128-QFP48T



**SILICON LABS**

Part Number: [EFM32G222F128-QFP48T](#)

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

Description: IC MCU 32BIT 128KB FLASH 48TQFP

Data sheet:  [EFM32\(G\) Family Datasheet](#)
 [EFM32G Reference Manual](#)

RoHs Status: Lead free / RoHS Compliant

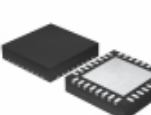
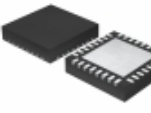
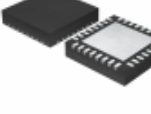
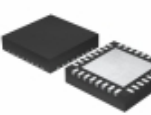
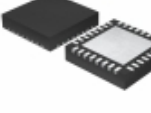
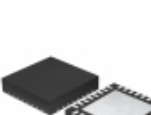
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PRODUCT PARAMETER			
Part Number	EFM32G222F128-QFP48T	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 128KB FLASH 48TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	42269 pcs	Data sheet	EFM32(G) Family Datasheet EFM32G Reference Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.85 V ~ 3.8 V
Supplier Device Package	48-TQFP (7x7)	Speed	32MHz
Series	Gecko	RAM Size	16K x 8
Program Memory Type	FLASH	Program Memory Size	128KB (128K x 8)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Packaging	Tray
Package / Case	48-TQFP	Other Names	EFM32G222F128-QFP48-T EFM32G222F128-T EFM32G222F128-T-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	37	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M3 Gecko Microcontroller IC 32-Bit 32MHz 128KB (128K x 8) FLASH 48-TQFP (7x7)	Data Converters	A/D 4x12b, D/A 1x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M3
Connectivity	I²C, IrDA, SmartCard, SPI, UART/USART		
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RELATED PRODUCTS			
	Part#: EFM32G210F128-QFN32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 32BIT 128KB FLASH 32QFN		
	Part#: EFM32G210F128G-E-QFN32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 128K FLASH, 16K RAM, AES		
	Part#: EFM32G210F128-QFN32T	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 32BIT 128KB FLASH 32QFN		
	Part#: EFM32G222F128-QFP48	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 32BIT 128KB FLASH 48TQFP		
	Part#: EFM32G222F32-QFP48T	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 32BIT 32KB FLASH 48TQFP		
	Part#: EFM32G200F64-QFN32T	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 32BIT 64KB FLASH 32QFN		
	Part#: EFM32G222F64G-E-QFP48	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 64K FLASH, 16K RAM, AES		
	Part#: EFM32G210F128G-E-QFN32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 128K FLASH, 16K RAM, AES		
	Part#: EFM32G222F128G-E-QFP48	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 128K FLASH, 16K RAM, AES		
	Part#: EFM32G200F64G-E-QFN32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 64K FLASH, 16K RAM, NO AES		
	Part#: EFM32G200F32G-E-QFN32R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 32K FLASH, 8K RAM, NO AES		
	Part#: EFM32G222F64-QFP48T	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 32BIT 64KB FLASH 48TQFP		
	Part#: EFM32G222F32G-E-QFP48	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 32K FLASH, 8K RAM, AES		
	Part#: EFM32G200F64G-E-QFN32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 64K FLASH, 16K RAM, NO AES		
	Part#: EFM32G222F64G-E-QFP48R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 64K FLASH, 16K RAM, AES		
	Part#: EFM32G222F128G-E-QFP48R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 128K FLASH, 16K RAM, AES		
	Part#: EFM32G200F64-QFN32	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 32BIT 64KB FLASH 32QFN		
	Part#: EFM32G222F32G-E-QFP48R	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: 32K FLASH, 8K RAM, AES		
	Part#: EFM32G222F32-QFP48	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 32BIT 32KB FLASH 48TQFP		
	Part#: EFM32G222F64-QFP48	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Description: IC MCU 32BIT 64KB FLASH 48TQFP		

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