

EFM32ZG222F32-QFP48T



**SILICON LABS**

Part Number: [EFM32ZG222F32-QFP48T](#)

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

Description: IC MCU 32BIT 32KB FLASH 48TQFP

Data sheet:  [EFM32ZG Ref Manual](#)
 [EFM32ZG Errata](#)
 [EFM32ZG222 Datasheet Preliminary](#)
 [EFM32ZG222 Errata](#)

RoHs Status: Lead free / RoHS Compliant

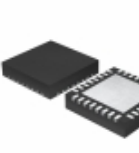
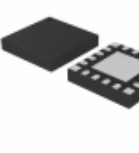
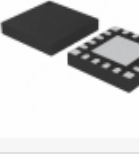
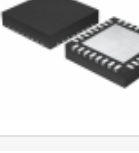
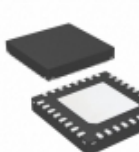
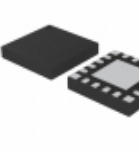
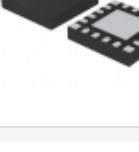
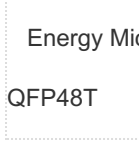
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Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EFM32ZG222F32-QFP48T	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 32KB FLASH 48TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	75702 pcs	Data sheet	EFM32ZG Ref Manual EFM32ZG Errata EFM32ZG222 Datasheet EFM32ZG222 Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.85 V ~ 3.8 V
Supplier Device Package	48-TQFP (7x7)	Speed	24MHz
Series	Zero 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, POR, PWM, WDT	Packaging	Tray
Package / Case	48-TQFP	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®-M0+ Zero Gecko Microcontroller IC 32-Bit 24MHz 32KB (32K x 8) FLASH 48-TQFP (7x7)	Data Converters	A/D 4x12b, D/A 1x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M0+
Connectivity	EBI/EMI, I ² C, IrDA, SmartCard, SPI, UART/USART		
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RELATED PRODUCTS			
	Part#: EFM32ZG222F16-QFP48T Description: IC MCU 32BIT 16KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM8BB10F2G-A-QFN20 Description: IC MCU 8BIT 2KB FLASH 20QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB10F2A-A-QFN20R Description: IC MCU 8BIT 2KB FLASH 20QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32ZG210F16-QFN32T Description: IC MCU 32BIT 16KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32ZG222F4-QFP48T Description: IC MCU 32BIT 4KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32ZG210F8-QFN32T Description: IC MCU 32BIT 8KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32ZG210F4-QFN32T Description: IC MCU 32BIT 4KB FLASH 32QFN	Manufacturers: Silicon Labs	RFQ
	Part#: EFM8BB10F2A-A-QFN20 Description: IC MCU 8BIT 2KB FLASH 20QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32ZG222F8-QFP48T Description: IC MCU 32BIT 8KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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