

EFM32G840F64G-E-QFN64R



SILICON LABS



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Part Number: [EFM32G840F64G-E-QFN64R](#)

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

Description: 64K FLASH, 16K RAM, 4X24 LCD, AE

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

RoHs Status: Lead free / RoHS Compliant

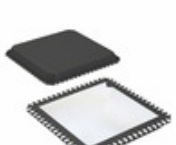
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PRODUCT PARAMETER			
Part Number	EFM32G840F64G-E-QFN64R	Manufacturer	Energy Micro (Silicon Labs)
Description	64K FLASH, 16K RAM, 4X24 LCD, AE	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	44444 pcs	Data sheet	EFM32(G) Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.98 V ~ 3.8 V
Supplier Device Package	64-QFN (9x9)	Speed	32MHz
Series	Gecko	RAM Size	16K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (64K x 8)
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	64-VFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	56
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 Gecko Microcontroller IC 32-Bit 32MHz 64KB (64K x 8) FLASH 64-QFN (9x9)	Data Converters	A/D 8x12b, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M3
Connectivity	I²C, IrDA, SmartCard, SPI, UART/USART		
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	Part#: EFM32G842F128-QFP64 Description: IC MCU 32BIT 128KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G840F32-QFN64T Description: IC MCU 32BIT 32KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G842F64-QFP64 Description: IC MCU 32BIT 64KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G842F64-QFP64T Description: IC MCU 32BIT 64KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G840F32G-E-QFN64 Description: 32K FLASH, 8K RAM, 4X24 LCD, AES	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G840F32G-E-QFN64R Description: 32K FLASH, 8K RAM, 4X24 LCD, AES	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G842F128G-E-QFP64R Description: 128K FLASH, 16K RAM, 4X22 LCD, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G842F128-QFP64T Description: IC MCU 32BIT 128KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G842F32G-E-QFP64 Description: 32K FLASH, 8K RAM, 4X22 LCD, AES	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G840F128G-E-QFN64 Description: 128K FLASH, 16K RAM, 4X24 LCD, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G842F32-QFP64 Description: IC MCU 32BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G842F32-QFP64T Description: IC MCU 32BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G840F128G-E-QFN64R Description: 128K FLASH, 16K RAM, 4X24 LCD, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G842F128G-E-QFP64 Description: 128K FLASH, 16K RAM, 4X22 LCD, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G840F64-QFN64T Description: IC MCU 32BIT 64KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G840F32-QFN64 Description: IC MCU 32BIT 32KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G840F64G-E-QFN64 Description: 64K FLASH, 16K RAM, 4X24 LCD, AE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32G840F128-QFN64T Description: IC MCU 32BIT 128KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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