

EFM32LG842F256G-E-QFP64R



SILICON LABS



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Part Number: [EFM32LG842F256G-E-QFP64R](#)

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

Description: IC MCU 32BIT 256KB FLASH 64TQFP

Data sheet:  [EFM32LG Ref Manual](#)
 [EFM32LG842 Errata History](#)
 [EFM32\(LG\) Errata](#)
 [EFM32\(LG\) Family Datasheet](#)
 [EFM32LG842 Errata, Chip rev. E](#)

RoHs Status: Lead free / RoHS Compliant

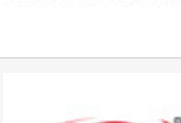
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PRODUCT PARAMETER			
Part Number	EFM32LG842F256G-E-QFP64R	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 256KB FLASH 64TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	29203 pcs	Data sheet	EFM32LG Ref Manual EFM32LG842 Errata History EFM32(LG) Errata EFM32(LG) Family Datasheet EFM32LG842 Errata, Chip rev. E
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.85 V ~ 3.8 V
Supplier Device Package	64-TQFP (10x10)	Speed	48MHz
Series	Leopard Gecko	RAM Size	32K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	64-TQFP	Other Names	336-4467-2 EFM32LG842F256G-E-QFP64R-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	53	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 Leopard Gecko Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 64-TQFP (10x10)
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#: EFM32LG880F128-QFP100T Description: IC MCU 32BIT 128KB FLASH 100LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG840F64-QFN64T Description: IC MCU 32BIT 64KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG842F128-QFP64T Description: IC MCU 32BIT 128KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG842F256-QFP64 Description: IC MCU 32BIT 256KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG842F64-QFP64 Description: IC MCU 32BIT 64KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG880F128G-E-QFP100R Description: IC MCU 32BIT 128KB FLASH 100LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32LG880F128G-E-QFP100 Description: IC MCU 32BIT 128KB FLASH 100LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG840F64G-E-QFN64 Description: IC MCU 32BIT 64KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG880F128-QFP100 Description: IC MCU 32BIT 128KB FLASH 100LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG842F64G-E-QFP64 Description: IC MCU 32BIT 64KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32LG842F128G-E-QFP64 Description: IC MCU 32BIT 128KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG880F256-QFP100 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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