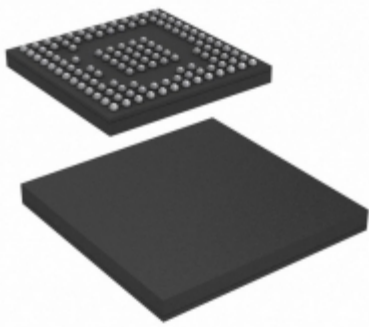


EFM32JG12B500F1024GL125-B



**SILICON LABS**

Part Number: [EFM32JG12B500F1024GL125-B](#)

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

Description: IC MCU 32BIT 1MB FLASH 125BGA

Data sheet:  [EFM32JG12 Family Reference Manual](#)
 [EFM32JG12 Series](#)

RoHs Status: Lead free / RoHS Compliant

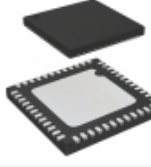
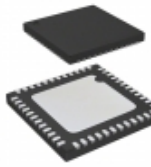
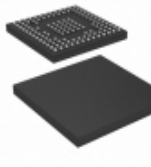
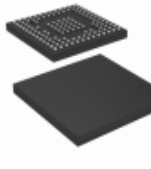
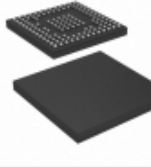
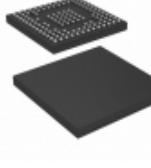
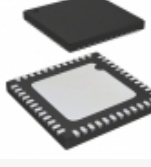
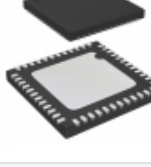
Ship From: Hong Kong

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Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EFM32JG12B500F1024GL125-B	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 1MB FLASH 125BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	25946 pcs	Data sheet	EFM32JG12 Family Reference Manual EFM32JG12 Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.8 V
Supplier Device Package	125-BGA (7x7)	Speed	40MHz
Series	Jade Gecko	RAM Size	256K x 8
Program Memory Type	FLASH	Program Memory Size	1MB (1M x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Tray
Package / Case	125-VFBGA	Other Names	336-3938
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	65	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 Jade Gecko Microcontroller IC 32-Bit 40MHz 1MB (1M x 8) FLASH 125-BGA (7x7)
Data Converters	A/D - 12b SAR	Core Size	32-Bit
Core Processor	ARM® Cortex®-M3	Connectivity	I ² C, IrDA, LINbus, SmartCard, SPI, UART/USART
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	Part#: EFM32JG12B500F1024GM48-BR Description: IC MCU 32BIT 1MB FLASH 48QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32JG12B500F1024GM48-B Description: IC MCU 32BIT 1MB FLASH 48QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32JG12B500F1024IL125-C Description: JADE M3 BGA125 I-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32JG12B500F1024GL125-CR Description: JADE M3 BGA125 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32HG350F64G-A-QFP48R Description: IC MCU 32BIT 64KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32HG350F32G-B-QFP48R Description: IC MCU 32BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32JG12B500F1024IL125-BR Description: IC MCU 32BIT 1MB FLASH 125BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32JG12B500F1024GM48-CR Description: JADE M3 QFN48 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32HG350F32G-B-QFP48 Description: IC MCU 32BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32HG350F64G-A-CSP36 Description: IC MCU 32BIT 64KB FLASH 36CSP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32HG350F64G-B-QFP48 Description: IC MCU 32BIT 64KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32HG350F64G-B-QFP48R Description: IC MCU 32BIT 64KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32JG12B500F1024IL125-B Description: IC MCU 32BIT 1MB FLASH 125BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32HG350F64G-A-CSP36R Description: IC MCU 32BIT 64KB FLASH 36CSP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32JG12B500F1024GM48-C Description: JADE M3 QFN48 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32JG12B500F1024GL125-C Description: JADE M3 BGA125 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32HG350F64G-B-CSP36R Description: IC MCU 64KBIT 32KB FLASH 36CSP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32HG350F64G-B-CSP36 Description: IC MCU 64KBIT 32KB FLASH 36CSP	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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