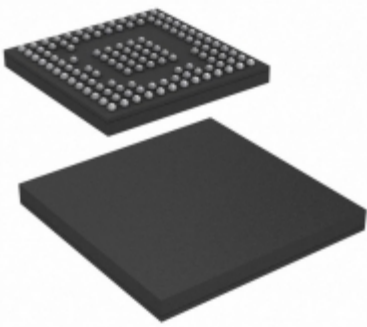


EFM32PG12B500F1024IL125-BR





SILICON LABS

Part Number: [EFM32PG12B500F1024IL125-BR](#)

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

Description: IC MCU 32BIT 1MB FLASH 125BGA

Data sheet:  [EFM32PG12 Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

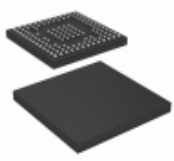
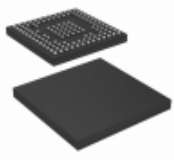
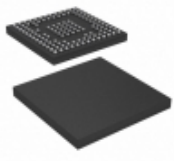
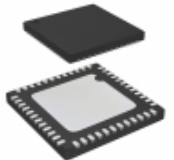
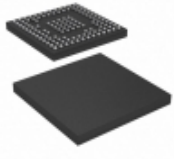
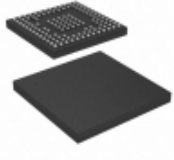
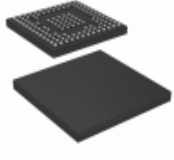
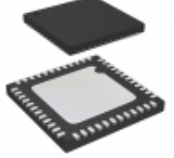
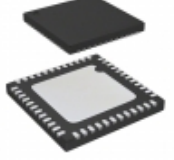
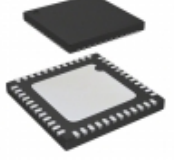
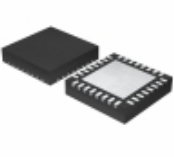
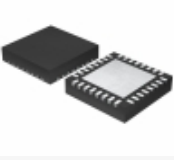
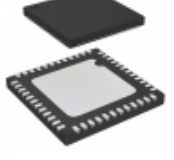
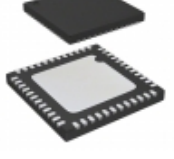
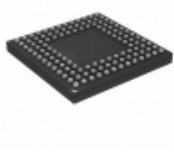
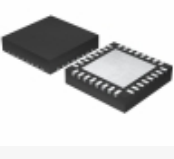
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EFM32PG12B500F1024IL125-BR	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 1MB FLASH 125BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	17769 pcs	Data sheet	EFM32PG12 Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.8 V
Supplier Device Package	125-BGA (7x7)	Speed	40MHz
Series	Pearl 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	Tape & Reel (TR)
Package / Case	125-VFBGA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TJ)	Number of I/O	65
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4 Pearl 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®-M4	Connectivity	I ² C, IrDA, LINbus, SmartCard, SPI, UART/USART
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RELATED PRODUCTS			
	Part#: EFM32PG12B500F1024GL125-B Description: IC MCU 32BIT 1MB FLASH 125BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GL125-BR Description: IC MCU 32BIT 1MB FLASH 125BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IL125-C Description: PEARL M4 BGA125 I-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GM48-BR Description: IC MCU 32BIT 1MB FLASH 48QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GL125-CR Description: PEARL M4 BGA125 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IL125-B Description: IC MCU 32BIT 1MB FLASH 125BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GL125-C Description: PEARL M4 BGA125 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IM48-C Description: PEARL M4 QFN48 I-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IM48-CR Description: PEARL M4 QFN48 I-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GM48-B Description: IC MCU 32BIT 1MB FLASH 48QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG1B100F128GM32-B0R Description: IC MCU 32BIT 128KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG1B100F128GM32-B0 Description: IC MCU 32BIT 128KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IM48-BR Description: IC MCU 32BIT 1MB FLASH 48QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG1B100F128GM32-C0R Description: IC MCU 32BIT 128KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GM48-C Description: PEARL M4 QFN48 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IL125-CR Description: PEARL M4 BGA125 I-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG995F64G-E-BGA120R Description: IC MCU 32BIT 64KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG1B100F128GM32-C0 Description: IC MCU 32BIT 128KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GM48-CR Description: PEARL M4 QFN48 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IM48-B Description: IC MCU 32BIT 1MB FLASH 48QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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