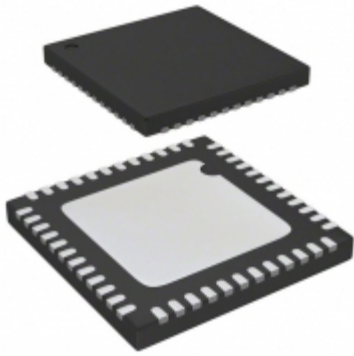


EFM32PG12B500F1024GM48-B



**SILICON LABS**

Part Number: [EFM32PG12B500F1024GM48-B](#)

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

Description: IC MCU 32BIT 1MB FLASH 48QFN

Data sheet:  [EFM32PG12 Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

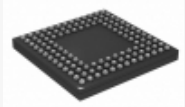
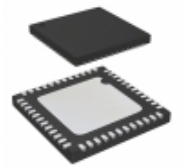
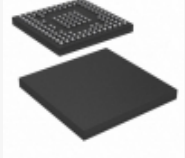
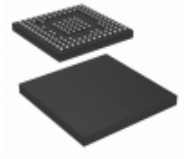
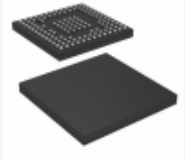
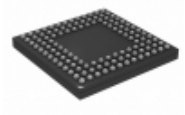
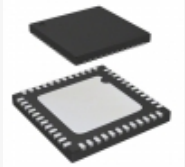
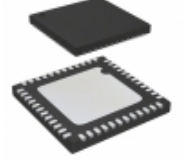
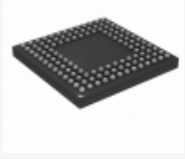
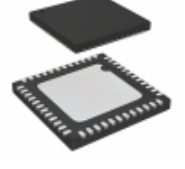
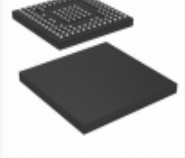
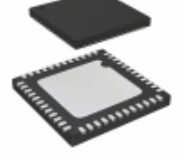
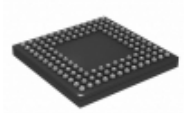
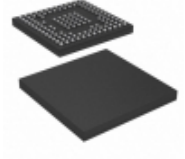
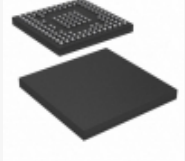
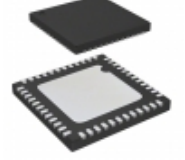
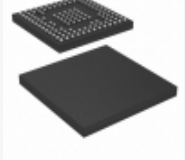
Ship From: Hong Kong

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

Images are for reference only.
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PRODUCT PARAMETER			
Part Number	EFM32PG12B500F1024GM48-B	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 1MB FLASH 48QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	20617 pcs	Data sheet	EFM32PG12 Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.8 V
Supplier Device Package	48-QFN (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	Tube
Package / Case	48-VFQFN Exposed Pad	Other Names	336-3941
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	33	Moisture Sensitivity Level (MSL)	2 (1 Year)
Manufacturer Standard Lead Time	6 Weeks	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 48-QFN (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#: EFM32LG995F64-BGA120 Description: IC MCU 32BIT 64KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG995F256G-E-BGA120 Description: IC MCU 32BIT 256KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GM48-C Description: PEARL M4 QFN48 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IL125-C Description: PEARL M4 BGA125 I-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IL125-BR 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#: EFM32LG995F64G-E-BGA120R Description: IC MCU 32BIT 64KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IM48-BR Description: IC MCU 32BIT 1MB FLASH 48QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IM48-B Description: IC MCU 32BIT 1MB FLASH 48QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG995F256G-E-BGA120R Description: IC MCU 32BIT 256KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GM48-CR Description: PEARL M4 QFN48 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GL125-B Description: IC MCU 32BIT 1MB FLASH 125BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IM48-C Description: PEARL M4 QFN48 I-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GL125-BR Description: IC MCU 32BIT 1MB FLASH 125BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG995F64G-E-BGA120 Description: IC MCU 32BIT 64KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32LG995F64-BGA120T Description: IC MCU 32BIT 64KB FLASH 120BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024GL125-CR Description: PEARL M4 BGA125 G-GRADE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32PG12B500F1024IL125-CR 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#: EFM32PG12B500F1024IL125-B Description: IC MCU 32BIT 1MB FLASH 125BGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ

Related keywords for EFM32PG12B500F1024GM48-B			
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