

# EFM32LG295F64G-E-BGA120R

### EFM32LG295F64G-E-BGA120R Information

Part Number EFM32LG295F64G-E-BGA120R

Manufacturer Silicon Labs

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

**Description** IC MCU 32BIT 64KB FLASH 120BGA

120-VFBGA **Package** 

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com

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## EFM32LG295F64G-E-BGA120R Specifications

Manufacturer Part Number  Manufacturer  Silicon Labs  Category  Integrated Circuits (ICs)  Embedded - Microcontrollers  Package  120-VFBGA  Leopard Gecko  Core Processor  ARM? Cortex?-M3  Core Size  32-Bit  Speed  48MHz  Connectivity  EBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USART  Peripherals  Brown-out Detect/Reset, DMA, POR, PWM, WDT  Number of I/O  93  Program Memory Size  64KB (64K x 8)  Program Memory Type  FLASH  EEPROM Size  RAM Size  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 8x12b, D/A 2x12b
Category  Integrated Circuits (ICs)  Embedded - Microcontrollers  Package  120-VFBGA  Series  Leopard Gecko  Core Processor  ARM? Cortex?-M3  Core Size  32-Bit  Speed  48MHz  Connectivity  EBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USART  Peripherals  Brown-out Detect/Reset, DMA, POR, PWM, WDT  Number of I/O  93  Program Memory Size  64KB (64K x 8)  Program Memory Type  FLASH  EEPROM Size  RAM Size  Voltage - Supply (Vcc/Vdd)  1.85 V ~ 3.8 V  Data Converters  A/D 8x12b, D/A 2x12b
Embedded - Microcontrollers  Package 120-VFBGA  Series Leopard Gecko  Core Processor ARM? Cortex?-M3  Core Size 32-Bit  Speed 48MHz  Connectivity EBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USART  Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT  Number of I/O 93  Program Memory Size 64KB (64K x 8)  Program Memory Type FLASH  EEPROM Size -  RAM Size 32K x 8  Voltage - Supply (Vcc/Vdd) 1.85 V ~ 3.8 V  Data Converters A/D 8x12b, D/A 2x12b
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Core Processor  ARM? Cortex?-M3  Core Size  32-Bit  Speed  48MHz  Connectivity  EBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USART  Peripherals  Brown-out Detect/Reset, DMA, POR, PWM, WDT  Number of I/O  93  Program Memory Size  64KB (64K x 8)  Program Memory Type  FLASH  EEPROM Size  RAM Size  32K x 8  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 8x12b, D/A 2x12b
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Speed 48MHz Connectivity EBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 93 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.85 V ~ 3.8 V Data Converters A/D 8x12b, D/A 2x12b
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Number of I/O       93         Program Memory Size       64KB (64K x 8)         Program Memory Type       FLASH         EEPROM Size       -         RAM Size       32K x 8         Voltage - Supply (Vcc/Vdd)       1.85 V ~ 3.8 V         Data Converters       A/D 8x12b, D/A 2x12b
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RAM Size $32K \times 8$ Voltage - Supply (Vcc/Vdd) $1.85 \text{ V} \sim 3.8 \text{ V}$ Data Converters $A/D \times 12b$ , $D/A \times 12b$
Voltage - Supply (Vcc/Vdd)  1.85 V ~ 3.8 V  Data Converters  A/D 8x12b, D/A 2x12b
Data Converters A/D 8x12b, D/A 2x12b
Oscillator Type Internal
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Mounting Type -
Package / Case 120-VFBGA
Supplier Device Package 120-BGA (7x7)
Report erro

#### EFM32LG295F64G-E-BGA120R Guarantees



#### **Ouality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

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Our experienced sales team and tech support team back our services to satisfy all our customers.

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# EFM32LG295F64G-E-BGA120R Shipping Methods













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