

## EFM32LG895F256G-E-BGA120R

#### EFM32LG895F256G-E-BGA120R Information

which as a part of the	Part Number Manufacturer Category Description Package	Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 256KB FLASH 120BGA 120-VFBGA For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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#### EFM32LG895F256G-E-BGA120R Specifications

Manufacturer Silicon Labs   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, LCD, POR, PWM, WDT   Number of I/O 93   Program Memory Size 256KB (256K x 8)   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   Oscillator Type Internal   Operating Temperature 40°C ~ 85°C (TA)   Package / Case 120-VFBGA			
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Embedded - MicrocontrollersPackage120-VFBGASeriesLeopard GeckoCore ProcessorARM? Cortex?-M3Core Size32-BitSpeed48MHzConnectivityEBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDerating Temperature-40°C ~ 85°C (TA)Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	Manufacturer	Silicon Labs	
PackageInternational InternationalPackage120-VFBGASeriesLeopard GeckoCore ProcessorARM? Cortex?-M3Core Size32-BitSpeed48MHzConnetivityEBI/EMI, 12C, 1rDA, SmartCard, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-Nultage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDerating Temperature-40°C ~ 85°C (TA)Package / Case120-VFBGASupplier Device Package120-VFBGA	Category	Integrated Circuits (ICs)	
SeriesLeopard GeckoCore ProcessorARM? Cortex?-M3Core Size32-BitSpeed48MHzConnectivityEBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDocalitor Type-Operating Temperature40°C ~ 85°C (TA)Package / Case120-VFBGASupplier Device Package120-BGA (7x7)		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed48MHzConnectivityEBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bOperating Temperature-40°C ~ 85°C (TA)Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	Package	120-VFBGA	
Core Size32-BitSpeed48MHzConnectivityEBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	Series	Leopard Gecko	
Speed48MHzConnectivityEBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bOscillator Type-40°C ~ 85°C (TA)Operating Temperature-0°C ~ 85°C (TA)Package / Case120-VFBGA (7x7)	Core Processor	ARM? Cortex?-M3	
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Peripherals Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT   Number of I/O 93   Program Memory Size 256KB (256K 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   Oscillator Type -   Operating Temperature -40°C ~ 85°C (TA)   Package / Case 120-VFBGA   Supplier Device Package 120-SGA (7x7)	Speed	48MHz	
Number of I/O 93   Program Memory Size 256KB (256K 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   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Package / Case 120-VFBGA   Supplier Device Package 120-SGA (7x7)	Connectivity	EBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USART	
Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	
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EEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDoscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	Program Memory Size	256KB (256K x 8)	
RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	Program Memory Type	FLASH	
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Data ConvertersA/D 8x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	RAM Size	32K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	Voltage - Supply (Vcc/Vdd)	1.85 V ~ 3.8 V	
Package / Case-40°C ~ 85°C (TA)Supplier Device Package120-VFBGA120-BGA (7x7)120-BGA (7x7)	Data Converters	A/D 8x12b, D/A 2x12b	
Mounting Type-Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	Oscillator Type	Internal	
Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package 120-BGA (7x7)	Mounting Type	-	
	Package / Case	120-VFBGA	
Report errors?	Supplier Device Package	120-BGA (7x7)	
			Report errors?

#### EFM32LG895F256G-E-BGA120R Guarantees



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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.

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