

EFM32LG995F64G-E-BGA120

EFM32LG995F64G-E-BGA120 Information

chersener and	Part Number Manufacturer Category Description Package	EFM32LG995F64G-E-BGA120 Silicon Labs Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 64KB 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

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



EFM32LG995F64G-E-BGA120 Specifications

Manufacturer Part NumberEFM32LG995F64G-E-BGA120ManufacturerSilicon LabsCategoryIntegrated Circuits (ICS)Embedded - MicrocontrollersPackage120-VFBGASeriesLeopard GeckoCore ProcessorARM? Cortex?-M3Core Size32-BitSpeed48MHzConnectivityEBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USART, USBPripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size-FLASHSZK x 8Voltage - Supply (Vcc/Vdd)1.85 V~3.8 VData ConvertersA/D 8x12b, D/A 2x12bData Converters-AGD Size - Size Circh31.00-VFBGAProgram Memory Type-EFROM Size-Conderters3.05 X 8Conderters-AGD Size - Size Circh3-Stard Didort Type-Package Case120-VFBGASize - Size - Size Circh3-Stard Size - Circh3-Package Case120-VFBGAStard Size - Circh3-Stard Size - Circh3-Package Case120-VFBGAStard Size - Circh3-Stard Size - Circh3 </th <th></th> <th></th> <th></th>			
CategoryIntegrated Circuits (ICS)Embedded - MicrocontrollersPackage120-VFBGASeriesLoopard GeckoCore ProcessorARM? Cortex?-M3Core Size32-BitSpeed48MHzConnectivityEBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Porgram Memory Size64KB (64K x 8)FORGM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)185 V~3.8 VData ConvertersA/D 8x12b, D/A 2x12bOscillator Type-Operating Temperature-40°C ~85°C (TA)Mounting Type-Ackage / Case120-VFBGASuppler Device Package120-BGA (7x7)	Manufacturer Part Number	EFM32LG995F64G-E-BGA120	
Hendedded - MicrocontrollersPackage120-VFBGASeriesLeopard GeckoCore ProcessorARM? Cortex?-M3Core Size32-BitSpeed48MHzConnectivityEBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size64KB (64K x 8)PEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-AcAge/ Case120-VFBGASupplier Device Package120-BGA (7x7)	Manufacturer	Silicon Labs	
Package120-VFBGASeriesLeopard GeckoCore ProcessorARM? Cortex?-M3Core Size32-BitSpeed48MHzConnectivityEBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size64KB (64K x 8)EEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V ~ 3.8 VData ConvertersAD 8x12b, D/A 2x12bOscillator TypeI-Querting Temperature-0°C ~ 85°C (TA)Mounting Type120-VFBGASupplier Device Package120-BGA (7x7)	Category	Integrated Circuits (ICs)	
SeriesLeopard GeckoCore ProcessorARM? Cortex?-M3Core Size32-BitSpeed48MHzConnectivityEBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size64KB (64K 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)Mounting Type-Package / Case120-VFBGASupplier Device Package120-BGA (7x7)		Embedded - Microcontrollers	
Core ProcessorA.R.? Cortex?-M3Core Size32-BitSpeed48MHzConnectivityEBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size64KB (64K 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-Anovîc A S0°C (TA)1.20 VFBGASupplier Device Package120-BGA (7x7)	Package	120-VFBGA	
Core Size32-BitSpeed48MHzConnectivityEBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size64KB (64K x 8)Program Memory TypeELASHEEPROM 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 Type120-VFBGASupplier Device Package120-BGA (7x7)	Series	Leopard Gecko	
Speed48MHzConnectivityEBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.85 V~3.8 VData ConvertersAnd 8.12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~85°C (TA)Mounting Type120-VFBGASupplier Device Package120-BGA (7x7)	Core Processor	ARM? Cortex?-M3	
Connectivity EBI/EMI, 12C, IrDA, SmartCard, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT Number of I/O 93 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH Program Memory Type 7 RAM Size - 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-BGA (7x7)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O93Program Memory Size64KB (64K 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)Mounting Type-Package / Case120-VFBGASupplier Device Package120-BGA (7x7)	Speed	48MHz	
Number of I/O93Program Memory Size64KB (64K 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)	Connectivity	EBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USART, USB	
Program Memory Size64KB (64K 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	
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)	Number of I/O	93	
EEPROM 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)	Program Memory Size	64KB (64K 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	
Voltage - 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)	EEPROM Size	-	
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	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case120-VFBGASupplier Device Package120-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 Package120-BGA (7x7)	Mounting Type	-	
	Package / Case	120-VFBGA	
Report errors?	Supplier Device Package	120-BGA (7x7)	
			Report errors?

EFM32LG995F64G-E-BGA120 Guarantees



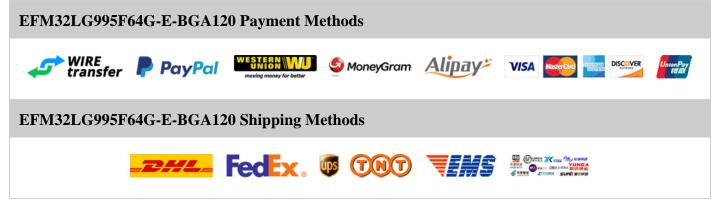
Quality Guarantees

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

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.



If you have any question about EFM32LG995F64G-E-BGA120, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com