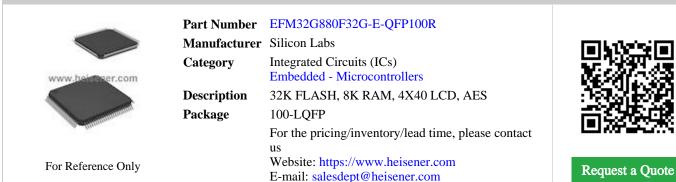


# EFM32G880F32G-E-QFP100R

#### EFM32G880F32G-E-QFP100R Information



### **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.



## EFM32G880F32G-E-QFP100R Specifications

Anufacturer Silicon Labs   Vanufacturer Silicon Labs   Category Integrated Circuits (ICs)   Embedded - Microcontrollers Concontrollers   Package 100-LQFP   Series Gecko   Core Processor ARM® Cortex®-M3   Core Size 32-Bit   Speed 32MHz   Connectivity EBI/EMI, PC, IrDA, SmartCard, SPI, UART/USART   Pregram Memory Size Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT   Program Memory Size 32KB (32K x 8)   Program Memory Type FLASH   EEPROM Size -   Converters A/D 8x 12b, D/A 2x 12b   Data Converters A/D 8x 12b, D/A 2x 12b   Decillator Type -   Decillator Type -   Decillator Type -   Package / Case A0°C (TA)		
Interfact Interfact   Category Interpreted Circuits (ICs)   Embedded - Microcontrollers I00-LQFP   Series Gecko   Core Processor ARM® Cortex®-M3   Core Processor 32-Bit   Speed 32-WHz   Connectivity EBI/EMI, PC, IrDA, SmartCard, SPI, UART/USART   Prepripherals Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT   Vumber of I/O 86   Program Memory Size 32KB (32K x 8)   Program Memory Size -   Program Memory Type FLASH   Voltage - Supply (Vcc/Vdd) 1.98 V ~ 3.8 V   Otata Converters A/D 8x12b, D/A 2x12b   Detaiting Temperature 40°C ~ 85°C (TA)   Operating Temperature 1.00-LQFP	Manufacturer Part Number	EFM32G880F32G-E-QFP100R
IndextedEmbedded - MicrocontrollersPackage100-LQFPSeriesGeckoCore ProcessorARM@Cortex@-M3Core Size32-BitSpeed32MHzConnectivityEBI/EMI, PC, IrDA, SmartCard, SPI, UART/USARTPeripheralsBrownou Detect/Reset, DMA, LCD, POR, PWM, WDTProgram Memory Size32KB (32K x 8)PerpAd SizeFLASHAdM Size98 × 3.8 × 3.8Voltage - Suppl (Vcc/Vdd)1.98 × -3.8 × 1.8Voltage - Suppl (Vcc/Vdd)1.98 × 0.3 × 1.2Derating Temperature4.0° < x8°C (TA)	Manufacturer	Silicon Labs
Package International Mathematican Series   Series Gecko   Core Processor ARM® Cortex®-M3   Core Size 32-Bit   Speed 32MHz   Connectivity EBI/EMI, PC, IrDA, SmartCard, SPI, UART/USART   Peripherals Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT   Number of I/O 86   Program Memory Size 32KB (32K x 8)   Program Memory Type FLASH   StepROM Size -   AMS Size 8K x 8   Voltage - Supply (Vcc/Vdd) 1.98 V ~ 3.8 V   Ocal Converters A/D 8x12b, D/A 2x12b   Derating Temperature -40°C ~ 85°C (TA)   Operating Type -   Package / Case 100-LQFP	Category	Integrated Circuits (ICs)
SeriesGeckoCore ProcessorARM® Cortex®-M3Core Size32-BitSpeed32MHzConnectivityEBI/EMI, PC, IrDA, SmartCard, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O86Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEBPROM Size-AM SizeSK x 8Voltage - Supply (Vcc/Vdd)1.98 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDocillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP		Embedded - Microcontrollers
Core ProcessorARM® Cortex®-M3Core Size32-BitSpeed32MHzConnectivityEBI/EMI, IPC, IrDA, SmartCard, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O86Program Memory Size32KB (32K x 8)PerROM Size-RAM SizeSK x 8Voltage - Supply (Vcc/Vdd)1.98 V ~ 3.8 VDetertaring Temperature4.00°C ~ 85°C (TA)Program Groups Case1.00-LQFP	Package	100-LQFP
Core Size32-BitSpeed32MHzConnectivityEBI/EMI, PC, IrDA, SmartCard, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O86Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-AM Size8K x 8Voltage - Supply (Vcc/Vdd)1.98 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDerating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP	Series	Gecko
Speed32MHzConnectivityEBI/EMI, IPC, IrDA, SmartCard, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O86Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.98 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDerating Temperature-40°C ~ 85°C (TA)Program Group Case100-LQFP	Core Processor	ARM® Cortex®-M3
Connectivity EBI/EMI, I²C, IrDA, SmartCard, SPI, UART/USART   Peripherals Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT   Number of I/O 86   Program Memory Size 32KB (32K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 8K x 8   Voltage - Supply (Vcc/Vdd) 1.98 V ~ 3.8 V   Data Converters A/D 8x12b, D/A 2x12b   Derenting Temperature -40°C ~ 85°C (TA)   Package / Case 100-LQFP	Core Size	32-Bit
PeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDTNumber of I/O86Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.98 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDeterting Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP	Speed	32MHz
Number of I/O 86   Program Memory Size 32KB (32K x 8)   Program Memory Type FLASH   PEPROM Size -   RAM Size 8K x 8   Voltage - Supply (Vcc/Vdd) 1.98 V ~ 3.8 V   Data Converters A/D 8x12b, D/A 2x12b   Derating Temperature -40°C ~ 85°C (TA)   Operating Type -   Package / Case 100-LQFP	Connectivity	EBI/EMI, I2C, IrDA, SmartCard, SPI, UART/USART
Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.98 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.98 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDiscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	Number of I/O	86
EEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.98 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDoscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	Program Memory Size	32KB (32K x 8)
RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.98 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.98 V ~ 3.8 VData ConvertersA/D 8x12b, D/A 2x12bDocillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	EEPROM Size	-
Data ConvertersA/D 8x12b, D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	RAM Size	8K x 8
Dscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	Voltage - Supply (Vcc/Vdd)	1.98 V ~ 3.8 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	Data Converters	A/D 8x12b, D/A 2x12b
Mounting Type - Package / Case 100-LQFP	Oscillator Type	Internal
Package / Case 100-LQFP	Operating Temperature	-40°C ~ 85°C (TA)
	Mounting Type	-
Supplier Device Package 100-LQFP (14x14)	Package / Case	100-LQFP
	Supplier Device Package	100-LQFP (14x14)
Report errors?		Report errors

#### EFM32G880F32G-E-QFP100R 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.

# EFM32G880F32G-E-QFP100R Payment Methods WIRE Transfer PayPal PayPal OneyGram Alier In Alier

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