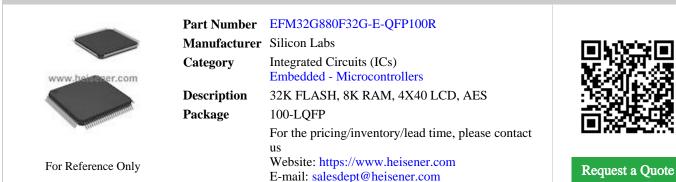


EFM32G880F32G-E-QFP100R

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.

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