

EFR32BG12P132F1024GM48-BR

EFR32BG12P132F1024GM48-BR Information



Part NumberEFR32BG12P132F1024GM48-BRManufacturerSilicon LabsCategoryRF/IF and RFID
RF Transceiver ICsDescriptionBLUE GECKO QFN48 2.4G 0DB BLE/PRPackage48-VFQFN Exposed Pad
For the pricing/inventory/lead time, please contact
us
Website: https://www.heisener.com
E-mail: salesdept@heisener.com



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EFR32BG12P132F1024GM48-BR Specifications

Manufacturer Part NumberFFR32BG12P132F1024GM48-BRManufacturerSilicon LabsCategoryRF/IF and RFIDRe Transceiver ICsPackage48-VFQFN Exposed PadSeriesBlue GockoTypeTxR + MCURF Family/StandardBluetoothPotocolBluetooth v4.0Modulation2-FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, O-QPSKPrequency2.4GHzDatate (Max)04BnSensitivity102dBmMemory Size102dBmSensitivity12.5S, SI, UARSPoltage - Supply18. V ~ 3.8 VCurrent Pacewing8. N ~ 3.0 SQuart Agency8. N ~ 3.0 SPotage - Supply1. St ~ 3.5 CPackage / Case8. N ~ 3.6 SPackage / Case8. N ~ 3.6 SPackage / Case8. N ~ 3.6 SPackage / Case8. N ~ 2.6 S<			
Category RF/IF and RFID Ref Transceiver ICs Package 48-VFQFN Exposed Pad Series Blue Gecko Type TxR + MCU RF Framily/Standard Bluetooth Potocol Bluetooth 4.0 Modulation 2-FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, O-QPSK Prequency 2.4GHz Power - Output OdBm Serial Interfaces 1024BB Flash, 128kB RAM Serial Interfaces 12C, 12S, SPI, UART GPIO 31 Voltage - Supply 1.8 V ~ 3.8 V Current - Transmitting 8.2mA ~ 10.5mA Operating Temperature 4.0°C ~ 85°C Package / Case 48-VFQFN Exposed Pad	Manufacturer Part Number	EFR32BG12P132F1024GM48-BR	
RF Transceiver ICsPackage48-VFQFN Exposed PadSeriesBlue GeckoTypeTxRx + MCURF Family/StandardBluetoothProtocolBluetooth v4.0Modulation2-FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, O-QPSKFrequency2.4GHzData Rate (Max)2MbpsPower - OutputOdBmSensitivity-102dBmMemory Size1024kB Flash, 128kB RAMSerial Interfaces12C, 12S, SPI, UARTGPIO31Voltage - Supply1.8 V ~ 3.8 VCurrent - Receiving8.2mA ~ 10.6mAQuertant Transmitting8.2mA ~ 126.7mAOperating Temperature40°C ~ 85°CPackage / Case48-VFQFN Exposed Pad	Manufacturer	Silicon Labs	
Package 48-VFQFN Exposed Pad Series Blue Gecko Type TxRx + MCU RF Family/Standard Bluetooth Protocol Bluetooth v4.0 Modulation 2-FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, O-QPSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output OdBm Sensitivity -102dBm Memory Size 1024kB Flash, 128kB RAM Serial Interfaces I2C, 12S, SPI, UART Otlage - Supply 1.8 V ~ 3.8 V Current - Receiving SamA ~ 10.8mA Operating Temperature 40°C ~ 85°C Package / Case 48-VFQFN Exposed Pad	Category	RF/IF and RFID	
SeriesBlue GeckoTypeTxRx + MCURF Family/StandardBluetoothProtocolBluetooth v4.0Modulation2-FSK, 4-FSK, ASK, BPSK, DSPSK, DSSS, GFSK, GMSK, O-QPSKFrequency2.4GHzData Rate (Max)2MbpsPower - Output0dBmSensitivity-102dBmMemory Size1024kB Flash, 128kB RAMGPIO31Voltage - Supply1.8 V ~ 3.8 VCurrent - Receiving8.2mA ~ 10.8mAOperating Temperature-40°C ~ 85°CPackage / Case48-VFQFN Exposed Pad		RF Transceiver ICs	
TypeTxRx + MCURF Family/StandardBluetoothProtocolBluetooth v4.0Modulation2.FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, O-QPSKFrequency2.4GHzData Rate (Max)2MbpsPower - Output0MbmSensitivity- 102dBmMemory Size1024kB Flash, 128kB RAMGPIO31Voltage - Supply1.8 V ~ 3.8 VCurrent - Raceiving8mA ~ 10.8mACurrent - Transmitting8.2mA ~ 126.7mAPoetaing Temperature40°C ~ 85°CPackage / Case48-VFQFNExpoed Pad	Package	48-VFQFN Exposed Pad	
Type Type RF Family/Standard Bluetooth Protocol Bluetooth v4.0 Modulation 2-FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, O-QPSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 0dBm Sensitivity -102dBm Memory Size 1024kB Flash, 128kB RAM Serial Interfaces I2C, 12S, SPI, UART GPIO 31 Voltage - Supply 1.8 V ~ 3.8 V Current - Receiving 8mA ~ 10.8mA Operating Temperature 4.0°C ~ 85°C Package / Case 48-VFQFN Exposed Pad	Series	Blue Gecko	
Protocol Bluetooth v4.0 Modulation 2-FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, O-QPSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 0dBm Sensitivity -102dBm Memory Size 1024kB Flash, 128kB RAM Serial Interfaces 12C, 12S, SPI, UART GPIO 31 Voltage - Supply 1.8 V ~ 3.8 V Current - Receiving 8mA ~ 10.8mA Operating Temperature 40°C ~ 85°C Package / Case 48-VFQFN Exposed Pad	Туре	TxRx + MCU	
Modulation2-FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, O-QPSKFrequency2.4GHzData Rate (Max)2MbpsPower - Output0MbnSensitivity-02dBmMemory Size1024kB Flash, 128kB RAMSerial Interfaces1C2, 12S, SPI, UARTGPIO31Voltage - Supply1.8 V ~ 3.8 VCurrent - Rrasmitting8.2mA ~ 10.6mAOperating Temperature4.0°C ~ 85°CPackage / Case48-VFQFNExped Pad	RF Family/Standard	Bluetooth	
Frequency2.4GHzData Rate (Max)2MbpsPower - Output0dBmSensitivity-102dBmMemory Size1024kB Flash, 128kB RAMSerial Interfaces12C, 12S, SPI, UARTGPIO31Voltage - Supply1.8 V ~ 3.8 VCurrent - Receiving8mA ~ 10.8mACurrent - Transmitting4.0°C ~ 85°CPackage / Case48-VFQFN Exposed Pad	Protocol	Bluetooth v4.0	
Data Rate (Max) 2Mbps Power - Output 0dBm Sensitivity -102dBm Memory Size 1024kB Flash, 128kB RAM Serial Interfaces 12C, 12S, SPI, UART GPIO 31 Voltage - Supply 1.8 V ~ 3.8 V Current - Receiving 8mA ~ 10.8mA Operating Temperature -40°C ~ 85°C Package / Case 48-VFQFN Exposed Pad	Modulation	2-FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, O-QPSK	
Power - Output 0dBm Sensitivity -102dBm Memory Size 1024kB Flash, 128kB RAM Serial Interfaces I2C, 12S, SPI, UART GPIO 31 Voltage - Supply 1.8 V ~ 3.8 V Current - Receiving 8mA ~ 10.8mA Operating Temperature -40°C ~ 85°C Package / Case 48-VFQFN Exposed Pad	Frequency	2.4GHz	
Sensitivity -102dBm Memory Size 1024kB Flash, 128kB RAM Serial Interfaces I2C, I2S, SPI, UART GPIO 31 Voltage - Supply 1.8 V ~ 3.8 V Current - Receiving 8mA ~ 10.8mA Operating Temperature 40°C ~ 85°C Package / Case 48-VFQFN Exposed Pad	Data Rate (Max)	2Mbps	
Memory Size1024kB Flash, 128kB RAMSerial InterfacesI2C, I2S, SPI, UARTGPIO31Voltage - Supply1.8 V ~ 3.8 VCurrent - Receiving8mA ~ 10.8mACurrent - Transmitting8.2mA ~ 126.7mAOperating Temperature-40°C ~ 85°CPackage / Case48-VFQFN Exposed Pad	Power - Output	0dBm	
Serial Interfaces I2C, I2S, SPI, UART GPIO 31 Voltage - Supply 1.8 V ~ 3.8 V Current - Receiving 8mA ~ 10.8mA Current - Transmitting 8.2mA ~ 126.7mA Operating Temperature -40°C ~ 85°C Package / Case 48-VFQFN Exposed Pad	Sensitivity	-102dBm	
GPIO31Voltage - Supply1.8 V ~ 3.8 VCurrent - Receiving8mA ~ 10.8mACurrent - Transmitting8.2mA ~ 126.7mAOperating Temperature-40°C ~ 85°CPackage / Case48-VFQFN Exposed Pad	Memory Size	1024kB Flash, 128kB RAM	
Voltage - Supply 1.8 V ~ 3.8 V Current - Receiving 8mA ~ 10.8mA Current - Transmitting 8.2mA ~ 126.7mA Operating Temperature -40°C ~ 85°C Package / Case 48-VFQFN Exposed Pad	Serial Interfaces	I2C, I2S, SPI, UART	
Current - Receiving8mA ~ 10.8mACurrent - Transmitting8.2mA ~ 126.7mAOperating Temperature-40°C ~ 85°CPackage / Case48-VFQFN Exposed Pad	GPIO	31	
Current - Transmitting8.2mA ~ 126.7mAOperating Temperature-40°C ~ 85°CPackage / Case48-VFQFN Exposed Pad	Voltage - Supply	1.8 V ~ 3.8 V	
Operating Temperature-40°C ~ 85°CPackage / Case48-VFQFN Exposed Pad	Current - Receiving	8mA ~ 10.8mA	
Package / Case 48-VFQFN Exposed Pad	Current - Transmitting	8.2mA ~ 126.7mA	
	Operating Temperature	-40°C ~ 85°C	
Report errors?	Package / Case	48-VFQFN Exposed Pad	
			Report errors?

EFR32BG12P132F1024GM48-BR 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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