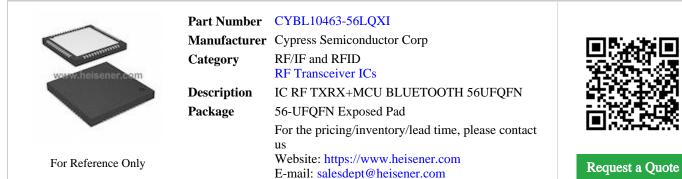


CYBL10463-56LQXI

CYBL10463-56LQXI 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.



CYBL10463-56LQXI Specifications

Manufacturer Part Number CYBL10463-56LQXI Manufacturer Cypress Semiconductor Corp Category RF/IF and RFID Ref Transceiver ICs Ref Transceiver ICs Package 56-UFQFN Exposed Pad Series - Type TxR x + MCU RF Family/Standard Bluetooth Potocol Bluetooth v4.1 Modulation GFSK Power - Output AdBm Vergency 2.4GHz Power - Output JaBm Sensitivity -9IdBm Sensitivity 2.9LgK Flash, 8kB ROM, 16kB SRAM Sensitivity 2.6GPI Voltage - Supply 1.8 V ~ 5.5 V Current - Receiving 1.8 V ~ 5.5 V Current - Transmitting 1.8 V ~ 5.5 V Querent - Supply 1.8 V ~ 5.5 V Current - Receiving 1.2 SmA ~ 20mA Operating Temperature 4.0°C ~ 105°C Package / Case 5.0 UFQFN Exposed Pad		
CategoryRF/IF and RFIDRF Transceiver ICsPackage56-UFQFN Exposed PadSeries-TypeTxRx + MCURF Family/StandardBluetoothProtocolBluetooth v4.1ModulationGFSKFrequency2.4GHzData Rate (Max)HubpsPower - Output3dBmSensitivity-91dBmMemory Size128kB Flash, 8kB ROM, 16kB SRAMSerial Interfaces2C, SPI, UARTGPIO36Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving1.25mA ~ 20mAOperating Temperature-40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	Manufacturer Part Number	CYBL10463-56LQXI
Indext and the seriesInstance of the seriesPackage56-UFQFN Exposed PadSeries-TypeTxRx + MCURF Family/StandardBluetoothProtocolBluetooth v4.1ModulationGFSKFrequency2.4GHzData Rate (Max)MbpsPower - Output3dBmSensitivity-91dBmMemory Size128kB Flash, 8kB ROM, 16kB SRAMSerial Interfaces12C, SPI, UARTGPIO36Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving1.2 SmA ~ 20mAOperating Temperature40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	Manufacturer	Cypress Semiconductor Corp
Package56-UFQFN Exposed PadSeries-TypeTxRx + MCUTypeBuetoothRF Family/StandardBuetooth v4.1ProtocolBuetooth v4.1ModulationGFSKFrequency2.4 GHzData Rate (Max)IMbpsPower - Output3dBmSensitivity-91 dBmSerial InterfacesI2x SPI JAGKAS MAMVoltage - Supply36Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving1.64mA ~ 21.5mAOperating Temperature40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	Category	RF/IF and RFID
Series.TypeTxRx + MCURF Family/StandardBluetoothProtocolBluetooth v4.1ModulationGFSKFrequency2.4GHzData Rate (Max)IMbpsPower - Output3dBmSensitivity-91dBmMemory Size128kB Flash, 8kB ROM, 16kB SRAMSerial InterfacesI2C, SPI, UARTGPIO36Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving12.5mA ~ 20.5mAOperating Temperature40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad		RF Transceiver ICs
TypeTxR + MCURF Fanily/StandardBluetoothProtocolBluetooth v4.1ModulationGFSKFrequency2.4GHzData Rate (Max)MbpsPower - Output3dBmSensitivity-91dBmMemory Size128kB Flash, 8kB ROM, 16kB SRAMSerial InterfacesIC, SPI, UARTGPIO36Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving1.64mA ~ 21.5mAOperating Temperature-40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	Package	56-UFQFN Exposed Pad
Ar Bluetooth Protocol Bluetooth v4.1 Modulation GFSK Frequency 2.4GHz Data Rate (Max) IMbps Power - Output 3dBm Sensitivity -91dBm Memory Size 128kB Flash, 8kB ROM, 16kB SRAM Serial Interfaces I2C, SPI, UART GPIO 36 Voltage - Supply 1.8 V ~ 5.5 V Current - Receiving 16.4mA ~ 21.5mA Operating Temperature -40°C ~ 105°C Package / Case 56-UFQFN Exposed Pad	Series	-
Protocol Bluetooth v4.1 Modulation GFSK Frequency 2.4GHz Data Rate (Max) IMbps Power - Output 3dBm Sensitivity -91dBm Memory Size 128kB Flash, 8kB ROM, 16kB SRAM Serial Interfaces I2C, SPI, UART GPIO 36 Voltage - Supply 1.8 V ~ 5.5 V Current - Receiving 16.4mA ~ 21.5mA Operating Temperature 40°C ~ 105°C Package / Case 56-UFQFN Exposed Pad	Туре	TxRx + MCU
ModulationGFSKFrequency2.4GHzData Rate (Max)MbpsPower - Output3dBmSensitivity-91dBmMemory Size128kB Flash, 8kB ROM, 16kB SRAMSerial Interfaces12C, SPI, UARTGPIO36Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving16.4mA ~ 21.5mAOperating Timeprature40°C ~ 105°CPackage / Case56-UFQFN Eage Pad	RF Family/Standard	Bluetooth
Frequency2.4GHzPoter Adde (Max)IMbpsPower - Output3dBmSensitivity-91dBmMemory Size128kB Flash, 8kB ROM, 16kB SRAMSerial InterfacesI2C, SPI, UARTGPIO36Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving1.64mA ~ 21.5mACurrent - Transmitting12.5mA ~ 20mAOperating Temperature40°C ~ 105°CPackage / Case5-UFQFN Exposed Pad	Protocol	Bluetooth v4.1
InterfaceData Rate (Max)1MbpsPower - Output3dBmSensitivity-91dBmMemory Size128kB Flash, 8kB ROM, 16kB SRAMSerial InterfacesI2C, SPI, UARTGPIO36Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving16.4mA ~ 21.5mACurrent - Transmitting12.5mA ~ 20mAOperating Temperature-40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	Modulation	GFSK
Power - Output 3dBm Sensitivity -91dBm Memory Size 128kB Flash, 8kB ROM, 16kB SRAM Serial Interfaces I2C, SPI, UART GPIO 36 Voltage - Supply 1.8 V ~ 5.5 V Current - Receiving 16.4mA ~ 21.5mA Operating Temperature -40°C ~ 105°C Package / Case 56-UFQFN Exposed Pad	Frequency	2.4GHz
Sensitivity -91dBm Memory Size 128kB Flash, 8kB ROM, 16kB SRAM Serial Interfaces I2C, SPI, UART GPIO 36 Voltage - Supply 1.8 V ~ 5.5 V Current - Receiving 16.4mA ~ 21.5mA Operating Temperature -40°C ~ 105°C Package / Case 56-UFQFN Exposed Pad	Data Rate (Max)	1Mbps
Memory Size128kB Flash, 8kB ROM, 16kB SRAMSerial InterfacesI2C, SPI, UARTGPIO36Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving16.4mA ~ 21.5mACurrent - Transmitting12.5mA ~ 20mAOperating Temperature-40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	Power - Output	3dBm
Serial Interfaces I2C, SPI, UART GPIO 36 Voltage - Supply 1.8 V ~ 5.5 V Current - Receiving 16.4mA ~ 21.5mA Current - Transmitting 12.5mA ~ 20mA Operating Temperature -40°C ~ 105°C Package / Case 56-UFQFN Exposed Pad	Sensitivity	-91dBm
GPIO36Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving16.4mA ~ 21.5mACurrent - Transmitting12.5mA ~ 20mAOperating Temperature-40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	Memory Size	128kB Flash, 8kB ROM, 16kB SRAM
Voltage - Supply1.8 V ~ 5.5 VCurrent - Receiving16.4mA ~ 21.5mACurrent - Transmitting12.5mA ~ 20mAOperating Temperature-40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	Serial Interfaces	I2C, SPI, UART
Current - Receiving16.4mA ~ 21.5mACurrent - Transmitting12.5mA ~ 20mAOperating Temperature-40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	GPIO	36
Current - Transmitting12.5mA ~ 20mAOperating Temperature-40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	Voltage - Supply	1.8 V ~ 5.5 V
Operating Temperature-40°C ~ 105°CPackage / Case56-UFQFN Exposed Pad	Current - Receiving	16.4mA ~ 21.5mA
Package / Case 56-UFQFN Exposed Pad	Current - Transmitting	12.5mA ~ 20mA
	Operating Temperature	-40°C ~ 105°C
Report errors?	Package / Case	56-UFQFN Exposed Pad
		Report errors?

CYBL10463-56LQXI 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.

CYBL10463-56LQXI Payment Methods



CYBL10463-56LQXI Shipping Methods



If you have any question about CYBL10463-56LQXI, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com