

ATMEGA64RFR2-ZFR

ATMEGA64RFR2-ZFR Information



For Reference Only

Part Number ATMEGA64RFR2-ZFR
Manufacturer Microchip Technology
Category RF/IF and RFID
RF Transceiver ICs

Description IC RF TXRX+MCU 802.15.4 48-VFQFN

Package 48-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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ATMEGA64RFR2-ZFR Specifications

Manufacturer Part NumberATMEGA64RFR2-ZFRManufacturerMicrochip TechnologyCategoryRF/IF and RFIDRF Transceiver ICsPackage48-VFQFN Exposed PadSeries-TypeTxRx + MCURF Family/Standard802.15.4ProtocolZigbee?ModulationDSSS, O-QPSKFrequency2.4GHzData Rate (Max)2MbpsPower - Output3.5dBmSensitivity-100dBmMemory Size64kB Flash, 2kB EEPROM, 8kB SRAMSerial InterfacesI2C, JTAG, SPI, USARTGPIO35Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving5mA ~ 12.5mA		
Category RF/IF and RFID RF Transceiver ICs Package 48-VFQFN Exposed Pad Series - Type TxRx + MCU RF Family/Standard 802.15.4 Protocol Zigbee? Modulation DSSS, O-QPSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 3.5dBm Sensitivity -100dBm Memory Size 64kB Flash, 2kB EEPROM, 8kB SRAM Serial Interfaces 12C, JTAG, SPI, USART GPIO 35 Voltage - Supply 1.8 V ~ 3.6 V	Manufacturer Part Number	ATMEGA64RFR2-ZFR
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Series - Type TxRx + MCU RF Family/Standard 802.15.4 Protocol Zigbee? Modulation DSSS, O-QPSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 3.5dBm Sensitivity -100dBm Memory Size 64kB Flash, 2kB EEPROM, 8kB SRAM Serial Interfaces I2C, JTAG, SPI, USART GPIO 35 Voltage - Supply 1.8 V ~ 3.6 V		RF Transceiver ICs
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Protocol Zigbee? Modulation DSSS, O-QPSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 3.5dBm Sensitivity -100dBm Memory Size 64kB Flash, 2kB EEPROM, 8kB SRAM Serial Interfaces I2C, JTAG, SPI, USART GPIO 35 Voltage - Supply 1.8 V ~ 3.6 V	Туре	TxRx + MCU
Modulation DSSS, O-QPSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 3.5dBm Sensitivity -100dBm Memory Size 64kB Flash, 2kB EEPROM, 8kB SRAM Serial Interfaces I2C, JTAG, SPI, USART GPIO 35 Voltage - Supply 1.8 V ~ 3.6 V	RF Family/Standard	802.15.4
Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 3.5dBm Sensitivity -100dBm Memory Size 64kB Flash, 2kB EEPROM, 8kB SRAM Serial Interfaces I2C, JTAG, SPI, USART GPIO 35 Voltage - Supply 1.8 V ~ 3.6 V	Protocol	Zigbee?
Data Rate (Max) Power - Output 3.5dBm -100dBm Memory Size 64kB Flash, 2kB EEPROM, 8kB SRAM Serial Interfaces 12C, JTAG, SPI, USART GPIO 35 Voltage - Supply 1.8 V ~ 3.6 V	Modulation	DSSS, O-QPSK
Power - Output 3.5dBm -100dBm Memory Size 64kB Flash, 2kB EEPROM, 8kB SRAM Serial Interfaces I2C, JTAG, SPI, USART GPIO 35 Voltage - Supply 1.8 V ~ 3.6 V	Frequency	2.4GHz
Sensitivity -100dBm Memory Size 64kB Flash, 2kB EEPROM, 8kB SRAM Serial Interfaces I2C, JTAG, SPI, USART GPIO 35 Voltage - Supply 1.8 V ~ 3.6 V	Data Rate (Max)	2Mbps
Memory Size64kB Flash, 2kB EEPROM, 8kB SRAMSerial InterfacesI2C, JTAG, SPI, USARTGPIO35Voltage - Supply1.8 V ~ 3.6 V	Power - Output	3.5dBm
Serial Interfaces I2C, JTAG, SPI, USART GPIO 35 Voltage - Supply $1.8 \text{ V} \sim 3.6 \text{ V}$	Sensitivity	-100dBm
GPIO 35 Voltage - Supply $1.8 \text{ V} \sim 3.6 \text{ V}$	Memory Size	64kB Flash, 2kB EEPROM, 8kB SRAM
Voltage - Supply 1.8 V ~ 3.6 V	Serial Interfaces	I2C, JTAG, SPI, USART
	GPIO	35
Current - Receiving $5\text{mA} \sim 12.5\text{mA}$	Voltage - Supply	1.8 V ~ 3.6 V
	Current - Receiving	5mA ~ 12.5mA
Current - Transmitting 8mA ~ 14.5mA	Current - Transmitting	8mA ~ 14.5mA
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Operating Temperature	-40°C ~ 125°C
Package / Case 48-VFQFN Exposed Pad	Package / Case	48-VFQFN Exposed Pad
Report errors?		Report errors?

ATMEGA64RFR2-ZFR Guarantees



Ouality 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.

ATMEGA64RFR2-ZFR Payment Methods



















ATMEGA64RFR2-ZFR Shipping Methods













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