

Image may be representation.
See specifications for product details.



ATMEGA2564RFR2-ZU

Manufacturer Part Number	ATMEGA2564RFR2-ZU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA2564RFR2-ZU
ECAD Model	Request Free CAD Models
Parts Description	IC RF TXRX+MCU 802.15.4 48VQFN
Package	48-VQFN Exposed Pad
Data sheet	ATMEGA2564/1284/644RFR2 Complete.pdf ATMEGA2564/1284/644RFR2 Summary.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA2564RFR2-ZU - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA2564RFR2-ZU datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA2564RFR2-ZU, please send us email: info@allelco.com

Specifications

ATMEGA2564RFR2-ZU Tech Specifications
ATMEGA2564RFR2-ZU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tray
Voltage - Supply	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C
Type	TxRx + MCU	Mounting Type	Surface Mount
Supplier Device Package	48-QFN (7x7)	Modulation	O-QPSK
Series	-	Memory Size	256kB Flash, 8kB EEPROM, 32kB SRAM
Serial Interfaces	I ² C, JTAG, SPI, USART	GPIO	32
Sensitivity	-100dBm	Frequency	2.4GHz
RF Family/Standard	802.15.4	Data Rate (Max)	2Mbps
Protocol	Zigbee®	Current - Transmitting	8mA ~ 14.5mA
Power - Output	3.5dBm	Current - Receiving	5mA ~ 12.5mA
Package / Case	48-VQFN Exposed Pad	Base Product Number	ATMEGA2564

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA2564RFR2-ZU

Product Attribute				
Part Number	ATMEGA2564RFR2-ZU	ATMEGA2564RFR2-ZFR	ATMEGA2564RFR2-ZUR	ATMEGA256RFR2-ZUR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	48-VQFN Exposed Pad	48-VQFN Exposed Pad	48-VQFN Exposed Pad	64-VQFN Exposed Pad
Serial Interfaces	I ² C, JTAG, SPI, USART	I ² C, JTAG, SPI, USART	I ² C, JTAG, SPI, USART	I ² C, JTAG, SPI, USART
Power - Output	3.5dBm	3.5dBm	3.5dBm	3.5dBm
Current - Transmitting	8mA ~ 14.5mA	8mA ~ 14.5mA	8mA ~ 14.5mA	8mA ~ 14.5mA
Current - Receiving	5mA ~ 12.5mA	5mA ~ 12.5mA	5mA ~ 12.5mA	5mA ~ 12.5mA
Type	TxRx + MCU	TxRx + MCU	TxRx + MCU	TxRx + MCU
Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Base Product Number	ATMEGA2564	ATMEGA2564	ATMEGA2564	ATMEGA256
Protocol	Zigbee®	Zigbee®	Zigbee®	Zigbee®
Data Rate (Max)	2Mbps	2Mbps	2Mbps	2Mbps
GPIO	32	32	32	35
Supplier Device Package	48-QFN (7x7)	48-QFN (7x7)	48-QFN (7x7)	64-QFN (9x9)
Memory Size	256kB Flash, 8kB EEPROM, 32kB SRAM	256kB Flash, 8kB EEPROM, 32kB SRAM	256kB Flash, 8kB EEPROM, 32kB SRAM	256kB Flash, 8kB EEPROM, 32kB SRAM
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
RF Family/Standard	802.15.4	802.15.4	802.15.4	802.15.4
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Sensitivity	-100dBm	-100dBm	-100dBm	-100dBm
Operating Temperature	-40°C ~ 85°C	-40°C ~ 125°C	-40°C ~ 85°C	-40°C ~ 85°C
Modulation	O-QPSK	O-QPSK	O-QPSK	DSSS, O-QPSK
Series	-	-	-	-
Voltage - Supply	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V

ATMEGA2564RFR2-ZU Datasheet PDF

Download ATMEGA2564RFR2-ZU pdf datasheets and Microchip Technology documentation for ATMEGA2564RFR2-ZU - Microchip Technology.

PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

PCN Design/Specification

 Cylindrical Battery Holders.pdf

PCN Other


 2.73KHz.pdf

PCN Assembly/Origin

 2.73KHz.pdf

HTML Datasheet

 ATMEGA2564/1284/644RFR2 Complete.pdf

 ATMEGA2564/1284/644RFR2 Summary.pdf

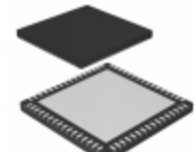
Customers Also Interested in

Recommended Products



ATMEGA2564RFR2-ZFR

Microchip Technology
IC RF TXRX+MCU 802.15.4 48VQFN



ATMEGA2561V-8MU

Microchip Technology
IC MCU 8BIT 256KB FLASH 64QFN



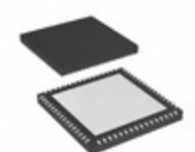
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Microchip Technology
IC RF TXRX+MCU 802.15.4 48VQFN



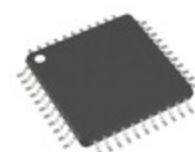
ATMEGA32-16AC

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA256RFR2-ZUR

Microchip Technology
IC RF TXRX+MCU 802.15.4 64VQFN



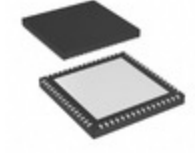
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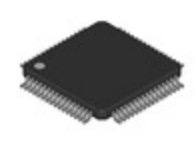
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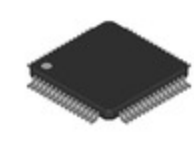
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ATMEGA2561-16AUR

Atmel
IC MCU 8BIT 256KB FLASH 64TQFP



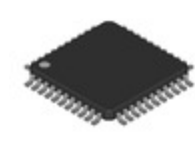
ATMEGA2561V-8AU

Atmel
IC MCU 8BIT 256KB FLASH 64TQFP



ATMEGA32-16AU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32-16AU

Atmel
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA2564RFR2-ZF

Microchip Technology
IC RF TXRX+MCU 802.15.4 48VQFN



ATMEGA2561-16AU

Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP



ATMEGA32-16AI

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



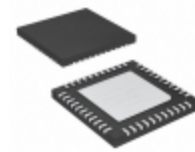
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ATMEGA2561V-8AUR

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IC MCU 8BIT 256KB FLASH 64TQFP



ATMEGA32-16MC

Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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