






AT86RF212B-ZUR

Manufacturer Part Number	AT86RF212B-ZUR
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT86RF212B-ZUR
ECAD Model	 PCB Symbol, Footprint & 3D Model
Parts Description	IC RF TXRX+MCU 802.15.4 32VFQFN
Package	32-VFQFN Exposed Pad
Data sheet	AT86RF212B Complete.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

AT86RF212B-ZUR - Microchip Technology. New Original in Stock. Download Linear Technology AT86RF212B-ZUR datasheet/specifications on AllelcoElec.com.
Request a quote for AT86RF212B-ZUR, please send us email: info@allelco.com





Specifications

AT86RF212B-ZUR Tech Specifications
AT86RF212B-ZUR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tape & Reel (TR)
Voltage - Supply	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C
Type	TxRx + MCU	Mounting Type	Surface Mount
Supplier Device Package	32-QFN (5x5)	Modulation	BPSK, O-QPSK
Series	-	Memory Size	128B SRAM
Serial Interfaces	SPI	Frequency	769MHz ~ 935MHz
Sensitivity	-110dBm	Data Rate (Max)	1Mbps
RF Family/Standard	802.15.4, General ISM < 1GHz	Current - Transmitting	9.5mA ~ 26.5mA
Protocol	6LoWPAN, Zigbee®	Current - Receiving	8.7mA ~ 9.2mA
Power - Output	10dBm	Base Product Number	AT86RF212
Package / Case	32-VFQFN Exposed Pad		

Parts with Similar Specifications


The three parts on the right have similar specifications to Microchip Technology AT86RF212B-ZUR

Product Attribute	 NO PICTURE			
Part Number	AT86RF212B-ZUR	AT86RF230-ZU	AT86RF212-ZUR	AT86RF230-ZU
Manufacturer	Microchip Technology	Atmel	Microchip Technology	Microchip Technology
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad
Supplier Device Package	32-QFN (5x5)	32-QFN (5x5)	32-QFN (5x5)	32-QFN (5x5)
RF Family/Standard	802.15.4, General ISM < 1GHz	802.15.4, General ISM > 1GHz	802.15.4, General ISM < 1GHz	802.15.4, General ISM > 1GHz
Base Product Number	AT86RF212	-	-	-
Current - Receiving	8.7mA ~ 9.2mA	15.5mA	8.7mA ~ 9.2mA	15.5mA
Frequency	769MHz ~ 935MHz	2.4GHz	769MHz ~ 935MHz	2.4GHz
Sensitivity	-110dBm	-101dBm	-110dBm	-101dBm
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tray
Current - Transmitting	9.5mA ~ 26.5mA	9.5mA ~ 16.5mA	13mA ~ 25mA	9.5mA ~ 16.5mA
Power - Output	10dBm	3dBm	10dBm	3dBm
Data Rate (Max)	1Mbps	250kbps	1Mbps	250kbps
Serial Interfaces	SPI	SPI	SPI	SPI
Memory Size	128B SRAM	128B SRAM	128B SRAM	128B SRAM
Voltage - Supply	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Type	TxRx + MCU	TxRx + MCU	TxRx + MCU	TxRx + MCU
Series	-	-	-	-
Protocol	6LoWPAN, Zigbee®	6LoWPAN, WirelessHART™, Zigbee®	6LoWPAN, Zigbee®	6LoWPAN, WirelessHART™, Zigbee®
Modulation	BPSK, O-QPSK	O-QPSK	DSSS, BPSK, O-QPSK	O-QPSK


AT86RF212B-ZUR Datasheet PDF


Download AT86RF212B-ZUR pdf datasheets and Microchip Technology documentation for AT86RF212B-ZUR - Microchip Technology.

Datasheets

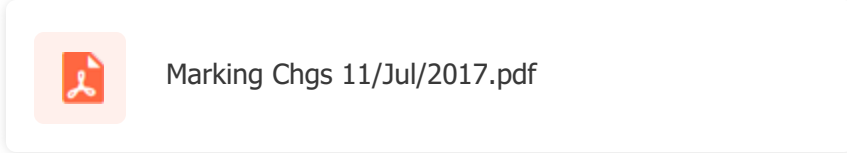

[AT86RF212B Complete.pdf](#)

PCN Packaging

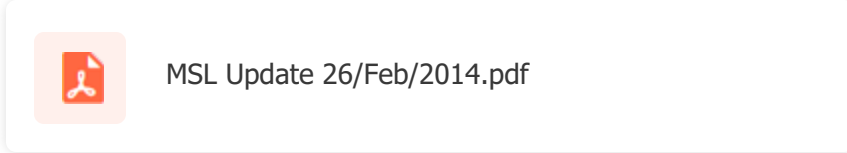

[MBB/Label Chgs 16/Nov/2018.pdf](#)


[Boxes 07/Dec/2016.pdf](#)

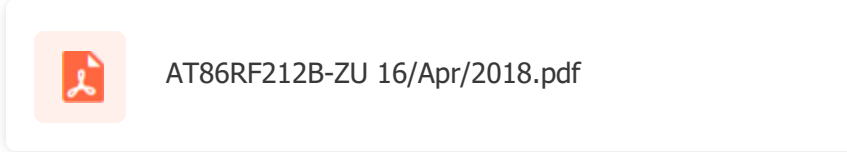
PCN Design/Specification



PCN Other




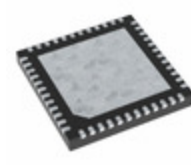
















PCN Assembly/Origin



Customers Also Interested in

Recommended Products

 AT86RF230-ZU Atmel 2.4GHZ TRANSCEIVER FOR ZIGBEE	 AT86RF212-ZUR Microchip Technology IC RF TXRX+MCU 802.15.4 32VFQFN	 AT86RF230-ZU Microchip Technology IC RF TXRX+MCU 802.15.4 32VFQFN	 AT86RF215-ZU Microchip Technology IC RF TXRX 802.15.4 48VFQFN	 AT86FR215-ZU Atmel (Microchip Technology)	 AT86RF211S AT
 AT86RF215-ZUR Microchip Technology IC RF TXRX 802.15.4 48VFQFN	 AT86RF211SW AT	 AT86RF231-ZFR Microchip Technology IC RF TXRX+MCU 802.15.4 32VFQFN	 AT86RF231-ZU Microchip Technology IC RF TXRX+MCU 802.15.4 32VFQFN	 AT86RF211SAHW Atmel (Microchip Technology)	 AT86RF212-ZU Microchip Technology IC RF TXRX+MCU 802.15.4 32VFQFN
 AT86RF215-ZU Atmel AT86RF2 - WIRELESS TRANSCEIVER	 AT86RF230 Atmel (Microchip Technology)	 AT86RF215M-ZUR Microchip Technology IC RF TXRX ISM<1GHZ 48VFQFN	 AT86RF212B-ZU Microchip Technology IC RF TXRX+MCU 802.15.4 32VFQFN	 AT86RF230-ZUR Microchip Technology IC RF TXRX+MCU 802.15.4 32VFQFN	 AT86BF211SW

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 Alleco 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.



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-  Efficient Supply Management
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Contact us if you have any questions.

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Certifications & Memberships



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