



### ATMEGA644RFR2-ZFR

Part Number: **ATMEGA644RFR2-ZFR**  
 Product Description: IC RF TXRX+MCU 802.15.4 48-VFQFN  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [1.ATMEGA644RFR2-ZFR.pdf](#)  
[2.ATMEGA644RFR2-ZFR.pdf](#)

Manufacturer/Brand: Micrel / Microchip Technology  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

[SUBMIT RFQ](#)

Image may be representation.  
 See specifications for product details.

#### Product details

<b>Part Number</b>	ATMEGA644RFR2-ZFR	<b>Manufacturer</b>	Micrel / Microchip Technology
<b>Description</b>	IC RF TXRX+MCU 802.15.4 48-VFQFN	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	1.ATMEGA644RFR2-ZFR.pdf2.ATMEGA644RFR2-ZFR.pdf		
<b>Voltage - Supply</b>	1.8 V ~ 3.6 V	<b>Type</b>	TxRx + MCU
<b>Series</b>	-	<b>Serial Interfaces</b>	I <sup>2</sup> C, JTAG, SPI, USART
<b>Sensitivity</b>	-100dBm	<b>RF Family/Standard</b>	802.15.4
<b>Protocol</b>	Zigbee®	<b>Power - Output</b>	3.5dBm
<b>Packaging</b>	Tape & Reel (TR)	<b>Package / Case</b>	48-VFQFN Exposed Pad
<b>Other Names</b>	ATMEGA644RFR2-ZFRTR	<b>Operating Temperature</b>	-40°C ~ 125°C
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)	<b>Modulation</b>	O-QPSK
<b>Memory Size</b>	64kB Flash, 2kB EEPROM, 8kB SRAM	<b>Manufacturer Standard Lead Time</b>	12 Weeks
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant	<b>GPIO</b>	32
<b>Frequency</b>	2.4GHz	<b>Detailed Description</b>	IC RF TxRx + MCU 802.15.4 Zigbee® 2.4GHz 48-VFQFN Exposed Pad
<b>Data Rate (Max)</b>	2Mbps	<b>Current - Transmitting</b>	8mA ~ 14.5mA
<b>Current - Receiving</b>	5mA ~ 12.5mA		

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<p><b>ATMEGA644RFR2-ZU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  Download: <a href="#">ATMEGA644RFR2-ZU.pdf</a></p> <p><a href="#">RFQ</a></p>	<p><b>ATMEGA644PV-10MUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 64KB FLASH 44VQFN                  Download: <a href="#">ATMEGA644PV-10MUR.pdf</a></p> <p><a href="#">RFQ</a></p>

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