




Micrel / Microchip Technology

## ATMEGA644RFR2-ZU

Part Number:	ATMEGA644RFR2-ZU
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC RF TXRX+MCU 802.15.4 48-VFQFN
Datasheets:	<a href="#">1.ATMEGA644RFR2-ZU.pdf</a> <a href="#">2.ATMEGA644RFR2-ZU.pdf</a>
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of ATMEGA644RFR2-ZU

PART NUMBER	ATMEGA644RFR2-ZU
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC RF TXRX+MCU 802.15.4 48-VFQFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.ATMEGA644RFR2-ZU.pdf</a> <a href="#">2.ATMEGA644RFR2-ZU.pdf</a>
VOLTAGE - SUPPLY	1.8 V ~ 3.6 V
TYPE	TxRx + MCU
SERIES	-
SERIAL INTERFACES	I <sup>2</sup> C, JTAG, SPI, USART
SENSITIVITY	-100dBm
RF FAMILY/STANDARD	802.15.4
PROTOCOL	Zigbee®
POWER - OUTPUT	3.5dBm
PACKAGING	Tray
PACKAGE / CASE	48-VFQFN Exposed Pad
OTHER NAMES	1611-ATMEGA644RFR2-ZU
OPERATING TEMPERATURE	-40°C ~ 85°C
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
MODULATION	O-QPSK
MEMORY SIZE	64kB Flash, 2kB EEPROM, 8kB SRAM
MANUFACTURER STANDARD LEAD TIME	19 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
GPIO	32
FREQUENCY	2.4GHz
DETAILED DESCRIPTION	IC RF TxRx + MCU 802.15.4 Zigbee® 2.4GHz 48-VFQFN Exposed Pad
DATA RATE (MAX)	2Mbps
CURRENT - TRANSMITTING	8mA ~ 14.5mA
CURRENT - RECEIVING	5mA ~ 12.5mA

### Related Tags

Micrel / Microchip Technology ATMEGA644RFR2-ZU	ATMEGA644RFR2-ZU Distributor	ATMEGA644RFR2-ZU Supplier
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Micrel / Microchip Technology ATMEGA644RFR2-ZU	Microchip Technology ATMEGA644RFR2-ZU	Roving Networks / Microchip Technology ATMEGA644RFR2-ZU

### Related Products

 <p><b>ATMEGA644V-10MUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 64KB FLASH 44VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA644V-10AUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 64KB FLASH 44TQFP                  In stock: 2 pcs  <a href="#">RFQ</a></p>
 <p><b>ATMEGA644V-10AUR</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 8BIT 64KB FLASH 44TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA644PV-20AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 64KB FLASH 44TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>ATMEGA644RFR2-ZFR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA644RFR2-ZF</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  In stock: 517 pcs  <a href="#">RFQ</a></p>
 <p><b>ATMEGA644V-10AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 64KB FLASH 44TQFP                  In stock: 671 pcs  <a href="#">RFQ</a></p>	 <p><b>ATMEGA644RFR2-ZUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>ATMEGA644PV-10PQ</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 64KB FLASH 40DIP                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA644V-10MU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 64KB FLASH 44VQFN                  In stock: 24 pcs  <a href="#">RFQ</a></p>
 <p><b>ATMEGA644PV-10PU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 64KB FLASH 40DIP                  In stock: 92 pcs  <a href="#">RFQ</a></p>	 <p><b>ATMEGA644RFR2-ZFR</b>                  Manufacturers: Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  In stock: Out stock  <a href="#">RFQ</a></p>