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Yageo Chip Antenna (RN-41) (05/02/2012)

The RN41 is a small form factor, low power, simple to integrate Bluetooth radio for OEMs adding wireless capability to their products. The RN41 is perfect for battery powered applications and by default is ready to use in the SPP (Serial Port Profile) configuration. It uses only 250 uA in sleep mode while still being discoverable and connectable. Multiple low power modes available allow you to dial in the lowest power profile for your application. The RN41 supports multiple Bluetooth profiles, is fully certified, and is simple to design in, making it a complete embedded Bluetooth solution.

Features

Fully qualified Class 1 Bluetooth 2.1 + EDR module Bluetooth SIG qualified UART (SPP or HCI) and USB (HCI only) data connection hardware interfaces Onboard embedded Bluetooth stack (no host processor required) Supports Bluetooth data link to iPhone/iPad/iPod Touch Supports HID profile for making accessories such as keyboards, mouse, pointing devices Programmable low power modes Secure communications, 128 bit encryption Error correction for guaranteed packet delivery UART local and over-the-air RF configuration Auto-discovery/pairing requires no software configuration (instant cable replacement) Castellated SMT pads for easy and reliable PCB mounting

Parameter Name	Value
Frequency Range	2.405-2.48
Sleep	Yes
Encryption	AES128
Pin Count	35

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= Sample a part = Buy a part All pricing shown in USD only.

Part Number	Leads	Package Type	Temp Range	Packing	1-25	26-99	100+	1000-4999	5000+	Buy	Sample
RN41APL-I/RM	35	Module	-40C to +85C	TRAY	24.95	22.70	21.88	18.75 *	18.75 *	<input type="checkbox"/>	<input type="checkbox"/>
RN41HCI-I/RM	35	Module	-40C to +85C	BAG	24.95	22.70	21.88	18.75 *	18.75 *	<input type="checkbox"/>	<input type="checkbox"/>
RN41HID-I/RM	35	Module	-40C to +85C	BAG	24.95	22.70	21.88	18.75 *	18.75 *	<input type="checkbox"/>	<input type="checkbox"/>
RN41-I/RM	35	Module	-40C to +85C	TRAY	24.95	22.70	21.88	18.75 *	18.75 *	<input type="checkbox"/>	<input type="checkbox"/>
RN41SM-I/RM	35	Module	-40C to +85C	BAG	45.00	39.49	36.56	36.56 *	36.56 *	<input type="checkbox"/>	<input type="checkbox"/>
RN41U-I/RM	35	Module	-40C to +85C	BAG	24.95	22.70	21.88	18.75 *	18.75 *	<input type="checkbox"/>	<input type="checkbox"/>

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** Device not available to purchase online. Please contact a sales office for pricing information.

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