

## Bluetooth Class II 3.3V 35-Pin SMD Tray

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** MODULE

**Product Type:** RF Integrated Circuits

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** LTB



Images are for reference only

[Inquiry](#)

## General Description

The RN42XV module provides drop-in, certified Bluetooth connectivity for existing systems using 802.15.4 modules. Based on the popular 2 x 10 (2mm) socket footprint often found in embedded applications, the RN42XV offers a complete wireless solution for customers looking to migrate to a standard protocol without modifying existing hardware. The RN42XV modules are built upon Microchip's RN42 low power Bluetooth module. The module has an embedded Bluetooth stack and supports multiple interface protocols and profiles including the commonly used SPP and HID profiles.

Please consider this device RN4678

## Key Features

RF Module without PCB antenna used with ext ant (RN42N-I/RM)

Fully certified Class 2 Bluetooth 2.1 + EDR module

Onboard embedded Bluetooth stack (no host processor required)

UART (SPP or HCI) and USB (HCI only) data connection hardware interfaces

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

The standard part number (RN42-I/RM) supports SPP and DUN profiles

Bluetooth SIG qualified

## Recommended For You

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### **RN171-I/RM**

Microchip Technology, Inc  
MODULE

### **RN42-I/RM630**

Microchip Technology, Inc  
MODULE-35

### **RN42XVP-I/RM**

Microchip Technology, Inc  
MODULE-20

### **RN4870-V/RM118**

Microchip Technology, Inc  
MODULE-33

### **RN171XVU-I/RM**

Microchip Technology, Inc  
MODULE-20

### **RN42-I/RM**

Microchip Technology, Inc  
35-SMD

### **RN131C/RM**

Microchip Technology, Inc  
Module

### **RN4020-V/RM120**

Microchip Technology, Inc  
MODULE

### **RN2483A-I/RM105**

Microchip Technology, Inc  
MODULE

### **RN4871U-V/RM118**

Microchip Technology, Inc  
MODULE-17

### **RN1723-I/RM100**

Microchip Technology, Inc  
Module

### **RN4870-I/RM130**

Microchip Technology, Inc  
MODULE

**RN42HD-I/RM**

Microchip Technology, Inc

MODULE-35

**RN52-I/RMI16**

Microchip Technology, Inc

Module

**RN42SM-I/RM**

Microchip Technology, Inc

MODULE-35