



Product Change Notification: SYST-27UFSJ513

Date:

29-Nov-2024

Product Category:

Wireless Modules

Notification Subject:

Data Sheet - RNBD350 Bluetooth® Low Energy Module Data Sheet

Affected CPNs:

[SYST-27UFSJ513_Affected_CPN_11292024.pdf](#)

[SYST-27UFSJ513_Affected_CPN_11292024.csv](#)

Notification Text:

SYST-27UFSJ513

Microchip has released a new Datasheet for the RNBD350 Bluetooth® Low Energy Module Data Sheet of devices. If you are using one of these devices please read the document located at **[RNBD350 Bluetooth® Low Energy Module Data Sheet](#)**.

Notification Status: Final

Description of Change:

Features

- Eight GPIOs changed into “seven”
- Deleted these features:
 - Embedded Enhanced Security
 - OTA device firmware update

– OTAPC device firmware update on peer RNBD350 device

RF/Analog Features

- +10 dBm Programmable Transmit Output Power changed to +11
- -97 Typical Receiver Power Sensitivity changed to -98

RNBD350 Module Ordering Information

- Added new row for UE type

Module Overview

- Updated the thermal pad name into EP_PAD

Module Configuration

- Added PA10 for “I/O level control”
- Added “Status Indication”

Device Programming

- Deleted “Over-the-Air (OTA) update of firmware using Microchip

Bluetooth® Data mobile application or module-to-module OTA
update (OTAPC mode commands)”

RNBD350 Module Placement Guidelines

- Updated the figure with RNBD350 for module placement guidelines

PCB Antenna

- Updated the specification for “Peak gain” and “Efficiency”

External Antenna Placement Recommendations

- Added new section

External Antennas

- Added new section

Bluetooth Low Energy RF Characteristics

- Updated the temperature plots

Labeling and User Information Requirements

- Added Labeling and User Information in china

Impacts to Data Sheet: See above details

Reason for Change: To improve productivity

Change Implementation Status: Complete

Date Document Changes Effective: 29 Nov 2024

NOTE: Please be advised that this is a change to the document only the product has not been changed.

Markings to Distinguish Revised from Unrevised Devices: N/A

Attachments:

RNBD350 Bluetooth® Low Energy Module Data Sheet

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

Terms and Conditions:

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If you wish to change your PCN profile, including opt out, please go to the **PCN home page** select login and sign into your myMicrochip account. Select a profile option from

Affected Catalog Part Numbers (CPN)

RNBD350PE-I100

RNBD350UE-I100