



Product Change Notification / SYST-03EZTO122Z

Date:

17-Nov-2023

Product Category:

Wireless Modules

PCN Type:

Document Change

Notification Subject:

Data Sheet - RNBD451 Bluetooth® Low Energy Module Data Sheet

Affected CPNs:

[SYST-03EZTO122Z_Affected_CPN_11172023.pdf](#)

[SYST-03EZTO122Z_Affected_CPN_11172023.csv](#)

Notification Text:

SYST-03EZTO122

Microchip has released a new Datasheet for the RNBD451 Bluetooth® Low Energy Module Data Sheet of devices. If you are using one of these devices please read the document located at [RNBD451 Bluetooth® Low Energy Module Data Sheet](#).

Data Sheet - RNBD451 Bluetooth® Low Energy Module Data Sheet

Notification Status: Final

Description of Change:

Introduction - Minor update

Features - Minor update

RF/Analog Features - Minor update

1.1. Reference Documentation - Added the reference link

2.1. RNBD451 Module Ordering Information - Minor update

3.1. Module Overview - Updated the pin diagram and pin details table

3.2. Module Configuration - Minor update

4.1. Absolute Maximum Electrical Characteristics - Minor update

4.2. DC Electrical Characteristics - Minor update

4.3. Active Current Consumption DC Electrical Specifications - Updated the plot; Removed few notes

4.4. Sleep Current Consumption DC Electrical Specifications - Updated the plot; Removed few notes

4.5. Deep Sleep Current Consumption DC Electrical Specifications - Updated the plot; Removed few notes

4.6. XDS (Extreme Deep Sleep) Current Consumption DC Electrical Specifications - Updated the plot; Removed few notes
4.7. Power Supply DC Module Electrical Specifications - Removed few characteristics; Removed few notes
4.8. I/O PIN AC/DC Electrical Specifications - Minor update
4.9. ADC Electrical Specifications - Minor update
4.10. Bluetooth Low Energy RF Characteristics - Updated the "Bluetooth Low Energy 1M CI Margin" plot; Minor update
5. Basic Connection Requirement - Updated the figure
5.1. Power Pins - Minor update
5.2. Master Clear (NMCLR) Pin - Minor update
5.3. Unused I/O Pins - Minor update
5.3.1. GPIO Pins Functions - Minor update
6.1. RNBD451 Module Placement Guidelines - Minor update
6.5.1. PCB Antenna - Minor update
Figure 8-1 - Updated the figure
7. ASCII Command API - Removed the commands
10. Appendix A: Regulatory Approval - Added the following countries: 10.4. Japan, 10.5. Korea, 10.6. Taiwan, 10.7. China, 10.8.2. UKCA Declaration of Conformity

Impacts to Data Sheet: None

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 17 Nov 2023

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:

[RNBD451 Bluetooth® Low Energy Module Data Sheet](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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Affected Catalog Part Numbers (CPN)

RNBD451PE-I100