



## Product Change Notification / SYST-13MROU768

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### Date:

14-Aug-2020

### Product Category:

Wireless Modules

### PCN Type:

Document Change

### Notification Subject:

Data Sheet - ATWINC15x0B-MU IEEE 802.11 b/g/n Network Controller SoC Data Sheet

### Affected CPNs:

[SYST-13MROU768\\_Affected\\_CPN\\_08142020.pdf](#)

[SYST-13MROU768\\_Affected\\_CPN\\_08142020.csv](#)

### Notification Text:

SYST-13MROU768

Microchip has released a new Product Documents for the ATWINC15x0B-MU IEEE 802.11 b/g/n Network Controller SoC Data Sheet of devices. If you are using one of these devices please read the document located at [ATWINC15x0B-MU IEEE 802.11 b/g/n Network Controller SoC Data Sheet](#).

**Notification Status:** Final

### Description of Change:

- 1) Document. Minor updates
- 2) Section 2. Functional Overview
  - Updated pinout descriptions for various pins and added a note in 2.3 Pinout Description
  - Updated Pad width in 2.4 Package Description
- 3) Section 3.2 Low-Power Oscillator. Added information software implementation requirement for 32.768 kHz clock
- 4) Section 4.3 Nonvolatile Memory (eFuse). Updated contents and image
- 5) Section 5.3 Radio
  - Updated frequency value from 2472 to 2484 GHz and added a note in Table 5-1
  - Added a note for FW support of Short GI
- 6) External Interfaces
  - Added 6.1 Interfacing with the Host Microcontroller
  - Removed I2C Slave Interface section

- 7) Power Management. Updated Figure 7-1
- 8) Electrical Specifications. Modified the following sections and regrouped them under Electrical Characteristics from other chapters:
- 8.4 Current Consumption in Various Device States
  - 8.5.1 Receiver Performance
  - 8.5.2 Transmitter Performance
  - VDDIO Absolute Maximum Specification updated
- 9) Reference Design.
- Updated Figure 9-1
  - Updated Table 9-1
- 10) Design Consideration. Added new chapter
- 11) Table 12-1. Added new references to Errata Sheet, Reference Design Package, Deriving Application Gain Table Application Note and MCHPRT2 User Guide

**Impacts to Data Sheet:** None

**Reason for Change:** To Improve Manufacturability

**Change Implementation Status:** Complete

**Date Document Changes Effective:** 14 Aug 2020

**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:**

[ATWINC15x0B-MU IEEE 802.11 b/g/n Network Controller SoC 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)

ATWINC1500B-MU-T  
ATWINC1500B-MU-Y  
ATWINC1500B-MU-Y042  
ATWINC1500B-MU-T042  
ATWINC1510B-MU-T  
ATWINC1510B-MU-Y  
ATWINC1510B-MU-Y042  
ATWINC1510B-MU-T042