



Product Change Notification / SYST-13MROU768

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](#)

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