



Product Change Notification / SYST-29MUIO770

Date:

11-Aug-2020

Product Category:

Wireless Modules

PCN Type:

Document Change

Notification Subject:

ERRATA - ATWINC15x0B/ATWINC15x0-MR210xB Errata

Affected CPNs:

[SYST-29MUIO770_Affected_CPN_08112020.pdf](#)

[SYST-29MUIO770_Affected_CPN_08112020.csv](#)

Notification Text:

SYST-29MUIO770

Microchip has released a new Product Documents for the ATWINC15x0B/ATWINC15x0-MR210xB Errata of devices. If you are using one of these devices please read the document located at [ATWINC15x0B/ATWINC15x0-MR210xB Errata](#)

Notification Status: Final

Description of Change: Initial revision of document.

Impacts to Data Sheet: None

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 11 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/ATWINC15x0-MR210xB Errata](#)

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ATWINC15x0B/ATWINC15x0-MR210xB

ATWINC15x0B/ATWINC15x0-MR210xB Errata

Overview

The ATWINC15x0B family of devices that you have received conform functionally to the current device data sheets available at the Microchip websites www.microchip.com/wwwproducts/en/ATWINC1500 and www.microchip.com/wwwproducts/en/ATWINC1500-IC, except for the anomalies described in this document.

The silicon issues discussed in the following pages are for silicon revisions with the Chip ID listed in the following table.

Table 1. ATWINC15x0B Family Device Identification

Part Number	Chip ID	Silicon Revision	Affected Revision
ATWINC15x0B/ATWINC15x0-MR210xB	1503A1	A1	A1

Note: The Errata details described in this document will be addressed in future revisions of the ATWINC15x0B family of devices.

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1. Errata Details

The following issue applies to the ATWINC15x0B family of devices.

1.1 EVM Performance Degradation

In Wi-Fi® transmission, EVM performance is degraded at higher data rates at Channel 10 (2457 MHz) only, leading to a reduced data rate transmission but still meeting the IEEE 802.11 specification limit.

Work around: None

2. Document Revision History

Revision	Date	Section	Description
A	04/2020	Document	Initial Revision

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SYST-29MUIO770 - ERRATA - ATWINC15x0B/ATWINC15x0-MR210xB Errata

Affected Catalog Part Numbers(CPN)

ATWINC1500-MR210PB
ATWINC1500-MR210PB1140
ATWINC1500-MR210PB1172
ATWINC1500-MR210PB1944
ATWINC1500-MR210PB1952
ATWINC1500-MR210PB1952-T
ATWINC1500-MR210PB1954
ATWINC1500-MR210PB1961
ATWINC1500-MR210PB1961-T
ATWINC1500-MR210PBA0
ATWINC1500-MR210UB
ATWINC1500-MR210UB1140
ATWINC1500-MR210UB1944
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ATWINC1500-MR210UB1961-T
ATWINC1500B-MU-T
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ATWINC1510-MR210PB1944
ATWINC1510-MR210PB1952
ATWINC1510-MR210PB1954
ATWINC1510-MR210PB1961
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