



EM358x/EM359x Errata

This document contains information on the errata of revision A3 of EM358x/EM359x.

Errata effective date: May 3, 2016.

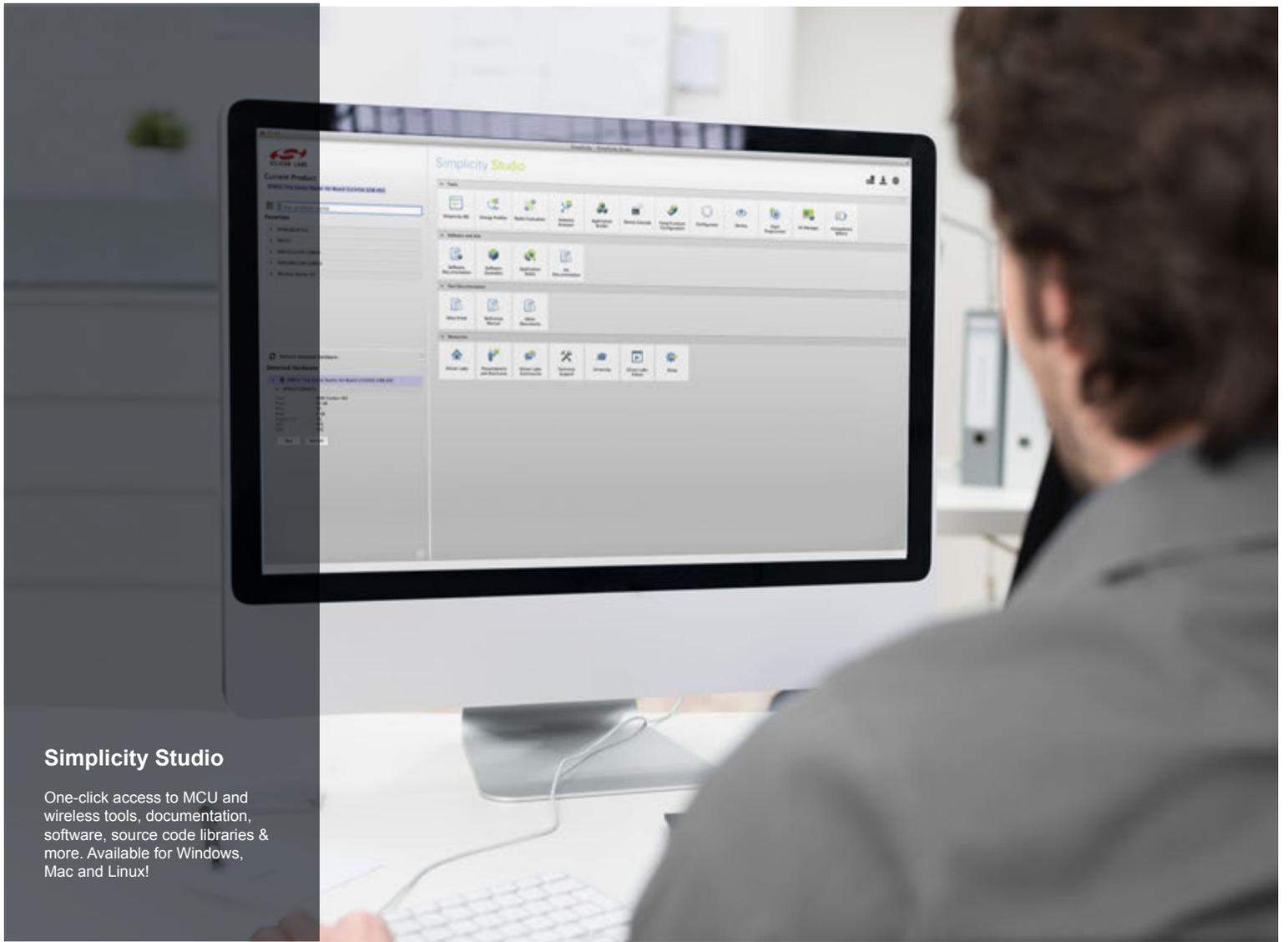
1. Errata Summary

Table 1.1. Errata Status Summary

Errata #	Designator	Title/Problem	Workaround Exists	Affected Revision	Fixed Revision
1	USB_301	Failure to enumerate.	Yes	A3	No fix planned.

2. Detailed Errata Descriptions

Description of Errata
When using the integrated USB on the EM358x and EM359x, the EM35xx device may fail to enumerate.
Affected Conditions / Impacts
The issue can intermittently occur if the protocol stall is set by the device on endpoint0. The device is required (by the USB standard) to set protocol STALL if the device does not understand a request from the host, and the device is responsible for resolving/clearing this STALL at the next SETUP transaction. The STALL on EM358x/EM359x is occasionally not cleared in time, resulting in failure to complete the enumeration sequence.
Workaround
Modify device-side firmware to never set a protocol STALL. This will result in the device not being USB-compliant. If USB compliance is required, a USB-to-UART Bridge chip like the CP201x family should be used with the EM358x/EM359x.
Resolution
There is currently no resolution for this issue.



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Silicon Laboratories Inc.
400 West Cesar Chavez
Austin, TX 78701
USA

<http://www.silabs.com>