



# CP2105 Errata

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This document contains information on the errata of revision F01 of the CP2105.

For errata on older revisions, please refer to the errata history for the device. The device revision is typically the first letter on the line immediately under the part number on the package marking. This is typically the second or third line.

Errata effective date: September 16, 2016.

## 1. Errata Summary

Table 1.1. Errata Status Summary

Errata #	Designator	Title/Problem	Workaround Exists	Affected Revision	Resolution
1	CP2105_E101	<a href="#">ROM Programming Voltage</a>	Yes	Data Sheet Revision 1.1 and below	—
2	CP2105_E102	<a href="#">Failure to Enumerate</a>	No	F01 date codes before 1647	F01 date codes equal to 1647 or later
3	CP2105_E103	<a href="#">RI May Be Grounded</a>	Yes	F01	—
4	CP2105_E104	<a href="#">Closing the COM Port Causes Data Loss</a>	Yes	F01	—

## 2. Detailed Errata Descriptions

### 2.1 CP2105\_E101 – ROM Programming Voltage

<b>Description of Errata</b>
The data sheet incorrectly indicates that VDD must remain at 3.3 V or higher to successfully write to the configuration ROM. Instead, the voltage on the VIO pin must remain at 3.3 V or higher when writing to the configuration ROM.
<b>Affected Conditions / Impacts</b>
For systems that connect VDD and VIO together, there is no impact. For systems that have a separate voltage source for VIO and are configuring the ROM in-system, VIO must remain at 3.3 V while programming is in progress.
<b>Workaround</b>
For systems that connect VDD and VIO together, keep both power supplies above 3.3 V when programming. For systems that have a separate voltage source for VIO and are configuring the ROM in-system, VIO must remain at 3.3 V while programming is in progress.
<b>Resolution</b>
This issue will be resolved in a future version of the datasheet.

### 2.2 CP2105\_E102 – Failure to Enumerate

<b>Description of Errata</b>
Devices can fail to enumerate properly on initial power on, after a device reset, or when connected to a USB port. In the case of a failure, the device will lock up until the next reset or power on reset. The failure rate is intermittent and will vary from device to device.
<b>Affected Conditions / Impacts</b>
The device can fail to enumerate on initial power on, after a device reset, or when connected to a USB port.
<b>Workaround</b>
There is currently no workaround for this issue.
<b>Resolution</b>
This issue will be resolved in revision F01 date codes 1647 or later devices.

### 2.3 CP2105\_E103 – RI May Be Grounded

<b>Description of Errata</b>
Programming an interface to Modem mode causes the /SUSPEND / RI pin to assume the Reset and Suspend Latch values of the /SUSPEND functionality, instead of correctly leaving this pin (RI) as an input.
<b>Affected Conditions / Impacts</b>
For systems using either CP2105 interface in Modem mode, the RI pin may drive high or low, depending on the /SUSPEND Reset and Suspend Latch settings, rather than staying as an input.
<b>Workaround</b>
To workaround this issue and use the interface in Modem mode: <ol style="list-style-type: none"> <li>1. Set the /SUSPEND Reset and Suspend Latch values for the interface as an input.</li> <li>2. Set the interface to Modem mode.</li> </ol>
<b>Resolution</b>
There is currently no resolution for this issue.

## 2.4 CP2105\_E104 – Closing the COM Port Causes Data Loss

<b>Description of Errata</b>
When using the CP2105 standard interface (SCI), closing the COM port before all data transmits can cause data loss. When this occurs, the data will not be retransmitted, even if the COM port is reopened.
<b>Affected Conditions / Impacts</b>
Closing the COM port before all data transmits can cause data loss in the standard interface (SCI).
<b>Workaround</b>
To prevent data loss from occurring, wait until all data has transmitted from the standard interface before closing the COM port on the host.
<b>Resolution</b>
There is currently no resolution for this issue.

### 3. Revision History

#### 3.1 Revision 0.2

September 16, 2016

Updated language for [CP2105\\_E101](#), since it is not resolved in the data sheet revision 1.1.

Added [CP2105\\_E102](#), [CP2105\\_E103](#), and [CP2105\\_E104](#).

#### 3.2 Revision 0.1

August 22, 2012

Initial release.

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