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| Bulletin Date: 11/14/2016 | Bulletin Effective Date: 11/14/2016 |
| Title: CP2105 Errata Update | |
| Bulletin Details | |
| Description: An errata document of CP2105-F01-GM has been issued and is available at www.silabs.com . | |
| Reason: The CP2105 Errata includes the following errata for the F01 revision. 1. Devices can fail to enumerate 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 rest. The failure is intermittent and will vary from device to device. The issue will be resolved in CP2105 revision F01 date code 1647 or later devices. 2. The CP2105 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. As a workaround, 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. This issue will be resolved in a future version of the data sheet. 3. 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. To work around this issue and use the interface in Modem mode: a. Set the /SUSPEND Reset and Suspend Latch values for the interface as an input. b. Set the interface to Modem mode. 4. 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. To prevent data loss from occurring, wait until all data has transmitted from the standard interface before closing the COM port on the host. | |
| Product Identification: CP2105-F01-GM CP2105-F01-GMR | |
| This change is considered a minor change which does not affect form, fit, function, quality, or reliability. The information is being provided as a customer courtesy. Please contact your local Silicon Labs sales representative with any questions about this notification. A list of Silicon Labs sales representatives may be found at www.silabs.com | |
| Customer Actions Needed: Please review the CP2105 revision F01 Errata for more details. | |