

July 12, 2006

CP2103 Rev. D Errata

Errata Status Summary

The following errata have been identified for CP2103 revision “D” devices when compared to the specifications and operational description found in version 0.2 of the CP2103 data sheet and version 0.1 of “AN223: “Port Configuration and GPIO for CP210x.” Please refer to www.silabs.com to obtain the latest version of the data sheet and other documentation.

Errata #	Title	Impact	Status	
			Rev D	Rev E
1	Dynamic Suspend error	Major, but only affects customers using Dynamic Suspend feature	Issue exists; no known workaround	Fixed—will be available in September 2006

Impact Definition: Each erratum is marked with an impact, as defined below:

- Minor—workaround exists
 - Major—Errata that does not conform to the data sheet or standard
 - Information Only—The device behavior is not ideal, but acceptable. Typically, the data sheet may be changed to match the device behavior.
- **Dynamic Suspend Error:** Dynamic Suspend is an optional feature that, when enabled, allows for GPIO pins or modem signals to assume a pre-programmed state during USB SUSPEND, and then return to their pre-SUSPEND states on exit of USB SUSPEND. The potentially affected pins are RXD, CTS, DSR, DCD, RI, and any GPIO pin configured as an input.

If the Dynamic Suspend feature is enabled, the pin state may switch from Input mode to Output mode and drive a logic ‘0’ if a logic ‘0’ was read on the corresponding pin upon entry into SUSPEND.

Impact: On resume from USB SUSPEND, a pin previously configured as an input can switch to an output and drive a logic ‘0’. The pin will remain an output until either power is cycled or the device receives a reset from the /RST pin.

Workaround: None.

Resolution: The Dynamic Suspend behavior will be corrected in an upcoming revision.