170713107 CP2108 Revision B03

PRCN Issue Date: 7/13/2017   **Effective Date:** 10/18/2017

PCN Type: Datasheet; Product Revision

Description of Change

Silicon Labs is pleased to announce revision B03 of the CP2108 devices and revision 1.2 of the corresponding datasheet for these products.

Revision B03 of the device resolves the following issues that were present in revision B02. Please refer to the B02 errata document for additional details regarding these errata.

CP2108_E101 | GET_LINE_CTRL/SET_LINE_CTRL commands can cause stalls
CP2108_E102 | Clock output with divider of 0x01
CP2108_E103 | Disabling hardware flow control does not work
CP2108_E104 | RS485 DE signal not constantly asserted
CP2108_E105 | CTS embedded events not sent immediately

The datasheet revision 1.2 includes the following changes:
Updated orderable part number to CP2108-B03-GM.
Updated 9.1 GPIO — Alternate Clock Outputs and the valid range of clock outputs in 3.1.3 GPIO to match the behavior of the B03 revision devices.
Updated document formatting.
Removed specific operating system versions supported.
Removed the Device Specific Behavior section and moved this information to the device errata.
Merged the Ordering Part Number Information chapter into 1. Feature List and Ordering Information.
Added a note to 11.1 Virtual COM Port (VCP) Drivers regarding data timing with USB.
Added a reference to AN807: Recertifying a Customized Windows HCK Driver Package in 11.3 Driver Certification and 12. Relevant Application Notes and Software.
Removed a reference to AN335: USB driver Installation Utility from 12. Relevant Application Notes and Software because this software is no longer utilized by the standard VCP driver package.
Updated 5.3 QFN64 Package Marking changed to remove revision information from marking for B03 devices.

Reason for Change

CP2108 revision B03 release.

Impact on Form, Fit, Function, Quality, Reliability

There is no impact to fit, quality, or reliability. The form of the QFN64 package marking changed as listed in description section. Functional changes are also listed in the description section.

Product Identification

Existing Part #	Replacement Part #	DropInCompInd.
CP2108-B02-GM	CP2108-B03-GM	Yes
CP2108-B02-GMR	CP2108-B03-GMR	Yes

Last Date of Unchanged Product: 10/18/2017

Qualification Samples

Samples are available now.

Specific conditions of acceptance of this change will be considered on a case by case basis if written notice is submitted within 30 days of this notice. To request further data or inquire about this notification, please contact your local Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at http://www.silabs.com.

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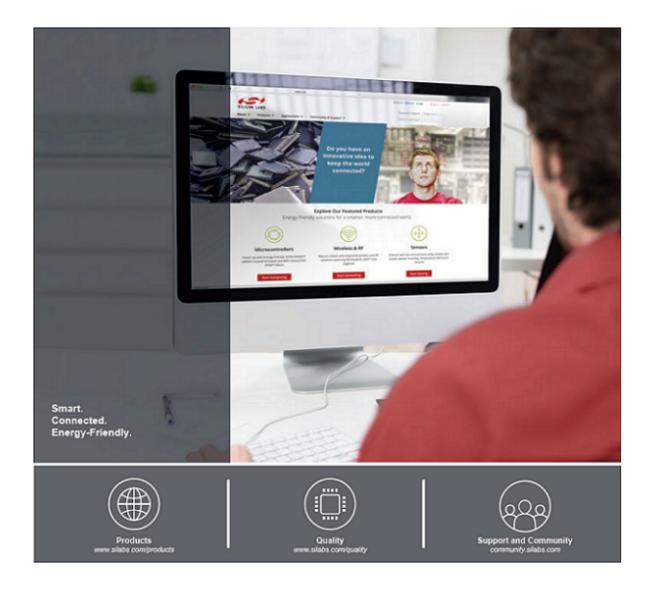
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