



# 180430278 CP2615 Product Revision with Datasheet Update and Errata

**PRCN Issue Date:** 4/30/2018

**Effective Date:** 8/3/2018

**PCN Type:** Datasheet; Product Revision

## Description of Change

Silicon Labs is pleased to announce revision A02 of the CP2615. New features include gesture detection on button input and storage of multiple codec audio profiles. A detailed description of new features can be found in the errata and updated datasheet.

The CP2615 datasheet has been revised to version 1.2. Changes from 1.1 to 1.2 include updated block diagrams, descriptions of new audio control options, and descriptions of enhancements to the GPIO and I2C interface.

Revision A02 of the device resolves the following issues that were present in revision A01. Please refer to the A02 errata document for additional details regarding these errata.

CP2615\_E101 | No sound at startup

CP2615\_E102 | Large configurations fail to program

CP2615\_E103 | Extra HID notifications occur when multiple buttons pressed

CP2615\_E104 | IN sample rate changes ignored

CP2615\_E105 | Codecs with negative volume slope not supported

After the effective date of this PCN, Silicon Labs reserves the right to deliver product with the above-mentioned changes.

## Reason for Change

Updated device for feature enhancements and robustness improvements. Updated documentation to track those features and improvements.

## Impact on Form, Fit, Function, Quality, Reliability

Function is impacted as described in errata. No change to form, fit, quality, or reliability.

## Product Identification

Existing Part #	Replacement Part #	DropInCompInd.
CP2615-A01-GM	CP2615-A02-GM	Yes
CP2615-A01-GMR	CP2615-A02-GMR	Yes

**Last Date of Unchanged Product:** 8/3/2018

## Qualification Samples

Samples available upon request.

## Customer Response

Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change, Ref. JEDEC-J-STD-046.

To request further data or inquire about this notification, please contact your Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at <http://www.silabs.com>.

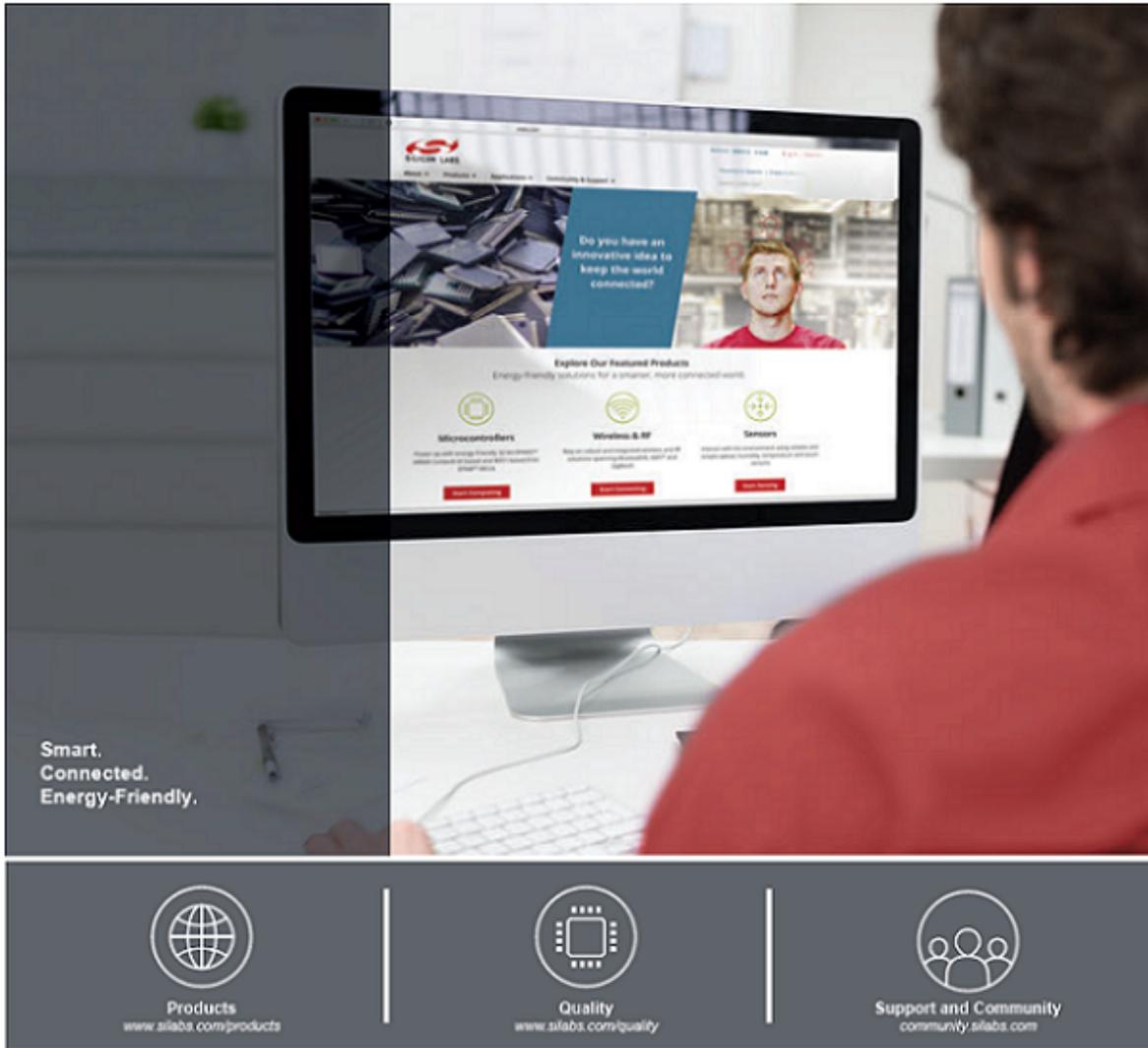
Customers may approve early PCN acceptance by emailing approval, along with PCN # to [PCNEarlyAcceptance@silabs.com](mailto:PCNEarlyAcceptance@silabs.com)

## **User Registration**

Register today to create your account on Silabs.com. Your personalized profile allows you to receive technical document updates, new product announcements, “how-to” and design documents, product change notices (PCN) and other valuable content available only to registered users. <http://www.silabs.com/profile>

## **Qualification Data**

Qualification report is available upon request.



#### Disclaimer

Silicon Labs intends to provide customers with the latest, accurate, and in-depth documentation of all peripherals and modules available for system and software implementers using or intending to use the Silicon Labs products. Characterization data, available modules and peripherals, memory sizes and memory addresses refer to each specific device, and "Typical" parameters provided can and do vary in different applications. Application examples described herein are for illustrative purposes only. Silicon Labs reserves the right to make changes without further notice and limitation to product information, specifications, and descriptions herein, and does not give warranties as to the accuracy or completeness of the included information. Silicon Labs shall have no liability for the consequences of use of the information supplied herein. This document does not imply or express copyright licenses granted hereunder to design or fabricate any integrated circuits. The products are not designed or authorized to be used within any Life Support System without the specific written consent of Silicon Labs. A "Life Support System" is any product or system intended to support or sustain life and/or health, which, if it fails, can be reasonably expected to result in significant personal injury or death. Silicon Labs products are not designed or authorized for military applications. Silicon Labs products shall under no circumstances be used in weapons of mass destruction including (but not limited to) nuclear, biological or chemical weapons, or missiles capable of delivering such weapons.

#### Trademark Information

Silicon Laboratories Inc.®, Silicon Laboratories®, Silicon Labs®, SiLabs® and the Silicon Labs logo®, Bluegiga®, Bluegiga Logo®, Clockbuilder®, CMEMS®, DSPLL®, EFM®, EFM32®, EFR, Ember®, Energy Micro, Energy Micro logo and combinations thereof, "the world's most energy friendly microcontrollers", Ember®, EZLink®, EZRadio®, EZRadioPRO®, Gecko®, ISModem®, Micrium, Precision32®, ProSLIC®, Simplicity Studio®, SiPHY®, Telegesis, the Telegesis Logo®, USBXpress®, Zentri and others are trademarks or registered trademarks of Silicon Labs. ARM, CORTEX, Cortex-M3 and THUMB are trademarks or registered trademarks of ARM Holdings. Keil is a registered trademark of ARM Limited. All other products or brand names mentioned herein are trademarks of their respective holders.



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

<http://www.silabs.com>