



# 181015389 Si1153 Revision B

**PRCN Issue Date:** 10/15/2018

**Effective Date:** 1/21/2019

**PCN Type:** Product Revision

## Description of Change

Silicon Labs is pleased to announce the release of revision B of the Si1153 devices. Revision B is backwards compatible with revision A parts. The changes to the device are as follows:

- Added window threshold mode where an interrupt will be generated if ADC codes leave or enter the window threshold area. This aids in the detection of when an object leaves or enters the proximity space.
- Reconfigured parameter register THRESHOLD2\_H address 0x29 to be UPPER\_THRESHOLD\_H representing the upper value of the higher window range used to generate an interrupt.
- Reconfigured parameter register THRESHOLD2\_L address 0x2A to be UPPER\_THRESHOLD\_L representing the lower value of the higher window range used to generate an interrupt.
- Added parameter register LOWER\_THRESHOLD\_H address 0x2C representing the upper value of the lower window range used to generate an interrupt.
- Added parameter register LOWER\_THRESHOLD\_L address 0x2D representing the lower value of the lower window range used to generate an interrupt.

## Reason for Change

Feature addition

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

The function of the device has been enhanced with the new features described in the change description. Revision B is compatible in systems that were previously using Revision A devices. There is no impact on form, fit, quality or reliability.

## Product Identification

Existing Part #	Replacement Part #	DropInCompInd.
SI1153-AA00-GM	SI1153-AB00-GM	Yes
SI1153-AA00-GMR	SI1153-AB00-GMR	Yes
SI1153-AA09-GM	SI1153-AB09-GM	Yes
SI1153-AA09-GMR	SI1153-AB09-GMR	Yes
SI1153-AA9X-GM	SI1153-AB9X-GM	Yes
SI1153-AA9X-GMR	SI1153-AB9X-GMR	Yes

**Last Date of Unchanged Product:** 1/21/2019

## Qualification 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)

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## Qualification Data

Available upon request.



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