



201110901 SI47901 and SI47902 Downbond Position change

PCN Issue Date: 11/10/2020

Effective Date: 2/16/2021

PCN Type: Other

Description of Change

Silicon Labs will be changing the wire bonding scheme on the SI47901A2GE1AM/R and SI47902A2GE1GM/R devices. As a preventative measure, the position of the two internal ground bond wires near pin 13 will be moved to reduce the risk of wire shorting. Currently, the two ground wires near pin 13 are positioned perpendicular to the die edge, requiring the pin 13 wire to cross over the two ground wires.

With this change, the two ground wires will be moved from under the pin 13 wire and will be placed in parallel to the pin 13 wire. The new placement of the two ground wires will reduce the occurrence of wire shorting between the pin 13 bond wire and the two ground wires.

Silicon Labs will begin shipping the new material for SI47901A2GE1GM/R and SI47902A2GE1GM/R after the PCN effective date. This new material will be identified with datecode 2102 or later. For the SI47901A2GE1AM/R and SI47902A2GE1AM/R parts, the new material will be delivered after the PPAPs are approved. The new material date for the SI47901A2GE1AM/R and SI47902A2GE1AM/R parts will be announced by issuing a Product Bulletin (PB) after the PPAPs are approved.

Reason for Change

The current position of the two internal ground bond wires can cause a short with the pin 13 wire.

Impact on Form, Fit, Function, Quality, Reliability

No impact to Form, Fit, or Function. Quality and reliability will improve, as the new placement of the two ground wires will reduce the occurrence of shorting between the pin 13 bond wire and the two ground wires.

Product Identification

Existing Part #
SI47901A2GE1AM
SI47901A2GE1AMR
SI47901A2GE1GM
SI47901A2GE1GMR
SI47902A2GE1AM
SI47902A2GE1AMR
SI47902A2GE1GM
SI47902A2GE1GMR

Last Date of Unchanged Product: 2/16/2021

Qualification Samples

Samples are 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>.

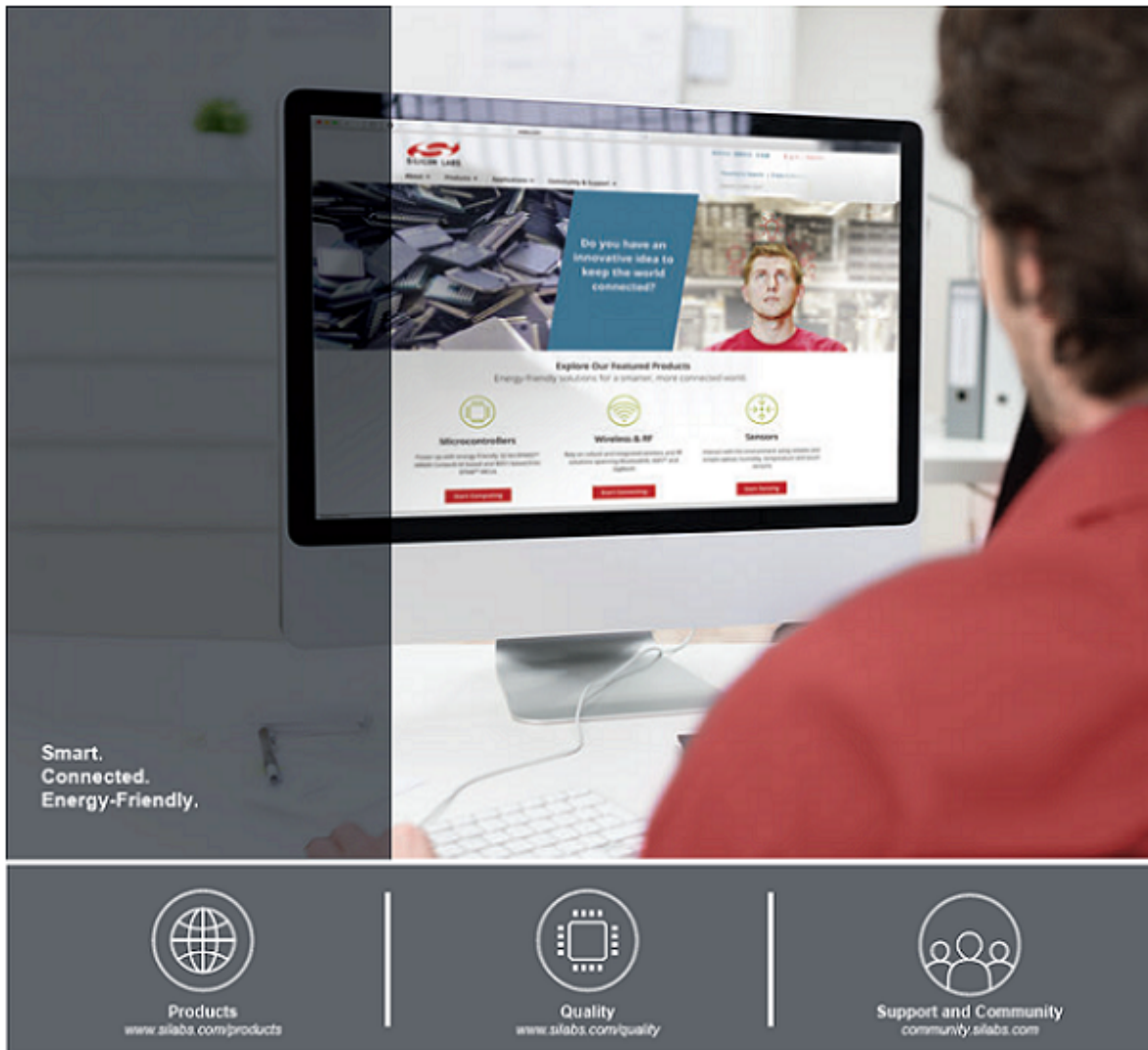
Customers may approve early PCN acceptance by emailing approval, along with PCN # to PCNEarlyAcceptance@silabs.com

User Registration

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Qualification Data

N/A



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