



190410521 Si5330x Revision 1.0 Datasheet Release

PCN Issue Date: 4/10/2019

Effective Date: 7/16/2019

PCN Type: Datasheet

Description of Change

Silicon Labs is pleased to announce the availability of revision 1.0 of the Si5330x datasheet. The new Si5330x revision 1.0 datasheet consolidates the 8 part numbers outlined below into a single datasheet.

Reason for Change

The 8 part numbers noted below share similar functionality and performance, consolidation into a single datasheet is more efficient. Typographical errors were noted in the 16-QFN POD and LPD, which have been corrected. Further characterization over PVT showed that certain AC/DC datasheet parameters have to be updated to reflect actual device performance.

Impact on Form, Fit, Function, Quality, Reliability

There is no impact to Fit, Form, Quality, or Reliability.

The following updates were made, which impact function:

- 1) Changed minimum operating frequency from DC to 1MHz
- 2) Removed support for gapped clocks
- 3) HCSL outputs are limited to 3.3V only (removed 2.5V support)
- 4) Removed 1.8V VDDO support on VREF with single ended input
- 5) Clarified AC/DC-coupled clock input requirements for glitchless, non-continuous clocks.

In addition to the above changes, specifications for thetaJB have been added to the package thermal tables.

Product Identification

Existing Part #
SI53301-B-GM
SI53301-B-GMR
SI53302-A-GM
SI53302-A-GMR
SI53302-B-GM
SI53302-B-GMR
SI53303-B-GM
SI53303-B-GMR
SI53304-B-GM
SI53304-B-GMR
SI53305-B-GM
SI53305-B-GMR
SI53306-B-GM
SI53306-B-GMR
SI53307-B-GM
SI53307-B-GMR
SI53308-B-GM
SI53308-B-GMR

Last Date of Unchanged Product: 7/16/2019

Qualification Samples

n/a

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

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Qualification Data

n/a



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