



## PRODUCT / PROCESS CHANGE NOTIFICATION

PCN-000499

**Date: August 22, 2018**

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<input type="checkbox"/> Semtech Corporation, 200 Flynn Road, Camarillo CA 93012
<input type="checkbox"/> Semtech Canada Corporation, 4281 Harvester Road, Burlington, Ontario L7L 5M4 Canada
<input type="checkbox"/> Semtech Irvine, 5141 California Ave., Suite 100, Irvine CA 92617
<input checked="" type="checkbox"/> Semtech Neuchatel Sarl, Route des Gouttes d'Or 40, CH-2000 Neuchatel Switzerland
<input type="checkbox"/> Semtech Bristol - EMEA Limited, Block B, St James Court, Great Park Road, Bristol BS32 4QJ, UK
<input type="checkbox"/> Semtech Corpus Christi SA de CV, Carretera Matamorros Edificio 7, Reynosa, Tamaulipas, Mexico 88780
<input type="checkbox"/> Semtech Triune, 1101 Resource Drive, Suite 121, Plano TX 75074

<b>Part Number(s) Affected:</b>  SX9310ICSTRT SX9311ICSTRT	<b>Customer Part Number(s) Affected:</b> <input checked="" type="checkbox"/> N/A
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**Description, Purpose and Effect of Change:**

The purpose is to minimize the radial stress on the device during soldering assembly process that may result in metal damage underneath solder balls.

The width of the top metal lines and spaces was increased at the wafer fab's request in order to eliminate the previous narrow lines and spaces; this change reduces the stress under the solder balls.

A previous containment action increased the wafers' exclusion zone to 5mm. This will be changed back to 3mm as it is no longer needed.

There is no change in design, materials, form, fit, function or reliability.

<b>Change Classification</b>	<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<b>Impact to Form, Fit, Function</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Impact to Data Sheet</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>New Revision or Date</b>	<input checked="" type="checkbox"/> N/A

**Impact to Performance, Characteristics or Reliability:**

The characterization of the part matches the original performance, hence no impact to performance, characteristics or reliability is expected as a result of this change.

<b>Implementation Date</b>	September 10, 2018	<b>Work Week</b>	1837
<b>Last Time Ship (LTS)</b> <small>Of unchanged product</small>	See above	<b>Affecting Lot No. / Serial No. (SN)</b>	See above
<b>Sample Availability</b>	August 22, 2018	<b>Qualification Report Availability</b>	See below



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### Supporting Documents for Change Validation/Attachments

- From to Analysis
- Reliability report available upon request.

### Issuing Authority

Semtech Business Unit: Wireless and Sensing ( WSP )

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FOR FURTHER INFORMATION & WORLDWIDE SALES COVERAGE: <http://www.semtech.com/contact/index.html#support>