



PRODUCT / PROCESS CHANGE NOTIFICATION

PCN-000588

Date: April 14, 2020

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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"/> Nanotech Semiconductor, Semtech Corporation, 2 West Point Court, Bristol, United Kingdom, BS32 4PY
<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

Part Number(s) Affected: SX1280IMLTRT SX1281IMLTRT	Customer Part Number(s) Affected: <input checked="" type="checkbox"/> N/A
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Description, Purpose and Effect of Change:

Dear Valued SX1280 or SX1281 Customer,

Please be aware of two changes to the described functionality of SX1280 and SX1281:

- 1) The packet error rate specifications in FSK mode have been changed, the FSK PER is derived from the bit (BER) performance. The specification was a calculation error, meaning that the device performance is unaffected.
- 2) The frequency tolerance in LoRa mode has been modified, the tolerance to extremely large crystal reference errors has been reduced. Full details are given in Version 3.1 of the SX1280-1-2 datasheet but almost all applications should be unaffected.

If you have any questions, please do not hesitate to contact your Semtech Sales representative.

We appreciate your continued business and trust,

Best regards
Semtech LoRa team

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

Impact to Performance, Characteristics or Reliability:

Refer to above section.

Implementation Date	N/A	Work Week	N/A
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Last Time Ship (LTS) Of unchanged product	N/A	Affecting Lot No. / Serial No. (SN)	N/A
Sample Availability	N/A	Qualification Report Availability	N/A
Supporting Documents for Change Validation/Attachments:			
- Updated datasheet DS_SX1280-1-2_V3.2.pdf			
Issuing Authority			
Semtech Business Unit:	Wireless and Sensing Products (WSP)		
Semtech Contact Info:	Anne Levy-Mandel Wireless and Sensing Sr Quality Manager alevymandel@semtech.com +41 32 729 40 61		
FOR FURTHER INFORMATION & WORLDWIDE SALES COVERAGE: http://www.semtech.com/contact/index.html#support			