



## PRODUCT / PROCESS CHANGE NOTIFICATION

PCN-000684

Date: **06/23/2021**

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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 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 checked="" type="checkbox"/> Semtech Corpus Christi SA de CV, Carretera Matamoros Edificio 7, Reynosa, Tamaulipas, Mexico 88780
<input type="checkbox"/> Semtech Triune, 1101 Resource Drive, Suite 121, Plano TX 75074

### Change Details

<b>Part Number(s) Affected:</b> See page 2	<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 of this letter is to notify Customers regarding a Semtech Manufacturing location change for our wafer fabrication.

The current wafer fabrication location is in Semtech Reynosa Mexico. The new wafer fabrication location is at LiteON Semiconductor in Taiwan, who have been certified by the DLA.

Note: diode assembly, hi-reliability testing and Quality control will still take place in Semtech Reynosa Mexico.

This change takes effect on any device that requires the affected diodes in its bill of materials or called out by Customer specification. Any First article Inspection needs to be required through Customer service/sales contact.

Identification for diodes with LiteOn semiconductor die: Date Code Prefix: L

Identification for assemblies with LiteOn semiconductor die: Batch Suffix: L

The purpose for the change is planned wafer fab closure in Semtech Reynosa Mexico on February 2022.

<b>Change Classification</b>	<input checked="" type="checkbox"/> Major <input 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:**  
 No impact to the performance, characteristics or reliability.

<b>Implementation Date</b>	<b>02/01/2022</b>	<b>Work Week</b>	<b>2205</b>
<b>Last Time Ship (LTS)</b> Of unchanged product	<b>Until inventory is depleted</b>	<b>Affecting Lot No. / Serial No. (SN)</b>	<b>N/A</b>
<b>Last Time Buy (LTB)</b> Of newly fabricated unchanged product	<b>09/23/2021</b>	<b>Qualification Report Availability</b>	<b>06/23/2021</b>

**Supporting Documents for Change Validation/Attachments:**

- DEFENSE LOGISTICS AGENCY Qualification letter VQ (VQE-20-035185) /228, /286, /420, /427



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- DEFENSE LOGISTICS AGENCY Qualification letter VQ (VQE-20-035199) /359, /411, /429
- DEFENSE LOGISTICS AGENCY Qualification letter VQ (VQE-20-035174) Zener /356 & /406
- DEFENSE LOGISTICS AGENCY Qualification letter VQ (VQE-20-035177) TVS /516 Section A
- DEFENSE LOGISTICS AGENCY Qualification letter VQ (VQE-20-035169) TVS /516 Section B
- DEFENSE LOGISTICS AGENCY Qualification letter VQ (VQE-20-035182, VQE-20-035183) TVS /516 Section C
- DEFENSE LOGISTICS AGENCY Qualification letter VQ (VQE-20-035166) /551
- DEFENSE LOGISTICS AGENCY Qualification letter VQ (VQE-20-035168) /552
- DEFENSE LOGISTICS AGENCY Qualification letter VQ (VQE-21-035806) /406 PN: 4460, 4461

### Issuing Authority

Semtech Business Unit: PHR-Legacy

Semtech Contact Info:

Karina Perales  
Quality Manager  
Semtech Corpus Christi S.A. de C.V.  
Reynosa, Tamps., Mexico  
[kperales@semtech.com](mailto:kperales@semtech.com)

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

**Affected part numbers include the following discrete diodes, as well as any assemblies that use these diodes as part of their bill of materials.**

MIL-PRF-19500/228 Device types 1N3611 through 1N3957 includes JAN and JANTX quality levels.

MIL-PRF-19500/286 Device types 1N4245 through 1N4249 includes JAN, JANTX and JANTXV quality levels.

MIL-PRF-19500/359 Device types 1N4942 through 1N4948 includes JAN, JANTX and JANTXV quality levels.

MIL-PRF-19500/411 Device types 1N5415 through 1N5420 includes JAN, JANTX, and JANTXV quality levels.

MIL-PRF-19500/420 Device types 1N5550 through 1N5554 and 1N5550US through 1N5554US includes JAN, JANTX and JANTXV quality levels.

MIL-PRF-19500/427 Device types 1N5614 through 1N5622 includes JAN, JANTX and JANTXV quality levels.

MIL-PRF-19500/429 Device types 1N5615 through 1N5623 includes JAN, JANTX and JANTXV quality levels.



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MIL-PRF-19500/356 Device types 1N4954 through 1N4993 and 1N4954US through 1N4993US includes JAN, JANTX and JANTXV quality levels.

MIL-PRF-19500/406 Device types 1N4460 through 1N4496 and 1N4460US through 1N4496US includes JAN, JANTX and JANTXV quality levels.

MIL-PRF-19500/516 Device types 1N6102 through 1N6173, 1N6102A through 1N6173A, 1N6102US through 1N6173US and 1N6102AUS through 1N6173AUS includes JAN, JANTX, and JANTXV quality levels.

MIL-PRF-19500/551 Device types 1N6461 through 1N6468, includes JAN, JANTX and JANTXV quality levels.

MIL-PRF-19500/552 Device types 1N6469 through 1N6476, includes JAN, JANTX and JANTXV quality levels.