

PRODUCT / PROCESS CHANGE NOTIFICATION

PCN-000684

Date: 06/23/2021

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☐	Semtech Corporation, 200 Flynn Road, Camarillo CA 93012
☐	Semtech Canada Corporation, 4281 Harvester Road, Burlington, Ontario L7L 5M4 Canada
☐	Semtech Irvine, 5141 California Ave., Suite 100, Irvine CA 92617
☐	Semtech Neuchatel Sarl, Route des Gouttes d'Or 40, CH-2000 Neuchatel Switzerland
☐	Nanotech Semiconductor, Semtech Corporation, 2 West Point Court, Bristol, United Kingdom, BS32 4PY
☒	Semtech Corpus Christi SA de CV, Carretera Matamoros Edificio 7, Reynosa, Tamaulipas, Mexico 88780
☐	Semtech Triune, 1101 Resource Drive, Suite 121, Plano TX 75074

Change Details

Part Number(s) Affected:

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Customer Part Number(s) Affected: ☒ N/A

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.

Change Classification	☒ Major ☐ Minor	Impact to Form, Fit, Function	☐ Yes ☒ No
Impact to Data Sheet	☐ Yes ☒ No	New Revision or Date	☒ N/A

Impact to Performance, Characteristics or Reliability:

No impact to the performance, characteristics or reliability.

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

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:

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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.

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MIL-PRF-19500/	Commer cial	JAN	JANTX	JANTXV
228	1N3611	JAN1N3611	JANTX1N3611	N/A
228	1N3612	JAN1N3612	JANTX1N3612	N/A
228	1N3613	JAN1N3613	JANTX1N3613	N/A
228	1N3614	JAN1N3614	JANTX1N3614	N/A
228	1N3957	JAN1N3957	JANTX1N3957	N/A
286	1N4245	JAN1N4245	JANTX1N4245	JANTXV1N4245
286	1N4246	JAN1N4246	JANTX1N4246	JANTXV1N4246
286	1N4247	JAN1N4247	JANTX1N4247	JANTXV1N4247
286	1N4248	JAN1N4248	JANTX1N4248	JANTXV1N4248
286	1N4249	JAN1N4249	JANTX1N4249	JANTXV1N4249
356	1N4954	JAN1N4954	JANTX1N4954	JANTXV1N4954
356	1N4954US	JAN1N4954US	JANTX1N4954U S	JANTXV1N4954U S
356	1N4955	JAN1N4955	JANTX1N4955	JANTXV1N4955
356	1N4955US	JAN1N4955US	JANTX1N4955U S	JANTXV1N4955U S
356	1N4956	JAN1N4956	JANTX1N4956	JANTXV1N4956
356	1N4956US	JAN1N4956US	JANTX1N4956U S	JANTXV1N4956U S
356	1N4957	JAN1N4957	JANTX1N4957	JANTXV1N4957
356	1N4957US	JAN1N4957US	JANTX1N4957U S	JANTXV1N4957U S
356	1N4958	JAN1N4958	JANTX1N4958	JANTXV1N4958
356	1N4958US	JAN1N4958US	JANTX1N4958U S	JANTXV1N4958U S
356	1N4959	JAN1N4959	JANTX1N4959	JANTXV1N4959

356	1N4959US	JAN1N4959US	JANTX1N4959US	JANTXV1N4959US
356	1N4960	JAN1N4960	JANTX1N4960	JANTXV1N4960
356	1N4960US	JAN1N4960US	JANTX1N4960US	JANTXV1N4960US
356	1N4961	JAN1N4961	JANTX1N4961	JANTXV1N4961
356	1N4961US	JAN1N4961US	JANTX1N4961US	JANTXV1N4961US
356	1N4962	JAN1N4962	JANTX1N4962	JANTXV1N4962
356	1N4962US	JAN1N4962US	JANTX1N4962US	JANTXV1N4962US
356	1N4963	JAN1N4963	JANTX1N4963	JANTXV1N4963
356	1N4963US	JAN1N4963US	JANTX1N4963US	JANTXV1N4963US
356	1N4964	JAN1N4964	JANTX1N4964	JANTXV1N4964
356	1N4964US	JAN1N4964US	JANTX1N4964US	JANTXV1N4964US
356	1N4965	JAN1N4965	JANTX1N4965	JANTXV1N4965
356	1N4965US	JAN1N4965US	JANTX1N4965US	JANTXV1N4965US
356	1N4966	JAN1N4966	JANTX1N4966	JANTXV1N4966
356	1N4966US	JAN1N4966US	JANTX1N4966US	JANTXV1N4966US
356	1N4967	JAN1N4967	JANTX1N4967	JANTXV1N4967
356	1N4967US	JAN1N4967US	JANTX1N4967US	JANTXV1N4967US
356	1N4968	JAN1N4968	JANTX1N4968	JANTXV1N4968
356	1N4968US	JAN1N4968US	JANTX1N4968US	JANTXV1N4968US
356	1N4969	JAN1N4969	JANTX1N4969	JANTXV1N4969
356	1N4969US	JAN1N4969US	JANTX1N4969US	JANTXV1N4969US
356	1N4970	JAN1N4970	JANTX1N4970	JANTXV1N4970
356	1N4970US	JAN1N4970US	JANTX1N4970US	JANTXV1N4970US
356	1N4971	JAN1N4971	JANTX1N4971	JANTXV1N4971
356	1N4971US	JAN1N4971US	JANTX1N4971US	JANTXV1N4971US
356	1N4972	JAN1N4972	JANTX1N4972	JANTXV1N4972

356	1N4972US	JAN1N4972US	JANTX1N4972US	JANTXV1N4972US
356	1N4973	JAN1N4973	JANTX1N4973	JANTXV1N4973
356	1N4973US	JAN1N4973US	JANTX1N4973US	JANTXV1N4973US
356	1N4974	JAN1N4974	JANTX1N4974	JANTXV1N4974
356	1N4974US	JAN1N4974US	JANTX1N4974US	JANTXV1N4974US
356	1N4975	JAN1N4975	JANTX1N4975	JANTXV1N4975
356	1N4975US	JAN1N4975US	JANTX1N4975US	JANTXV1N4975US
356	1N4976	JAN1N4976	JANTX1N4976	JANTXV1N4976
356	1N4976US	JAN1N4976US	JANTX1N4976US	JANTXV1N4976US
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356	1N4977US	JAN1N4977US	JANTX1N4977US	JANTXV1N4977US
356	1N4978	JAN1N4978	JANTX1N4978	JANTXV1N4978
356	1N4978US	JAN1N4978US	JANTX1N4978US	JANTXV1N4978US
356	1N4979	JAN1N4979	JANTX1N4979	JANTXV1N4979
356	1N4979US	JAN1N4979US	JANTX1N4979US	JANTXV1N4979US
356	1N4980	JAN1N4980	JANTX1N4980	JANTXV1N4980
356	1N4980US	JAN1N4980US	JANTX1N4980US	JANTXV1N4980US
356	1N4981	JAN1N4981	JANTX1N4981	JANTXV1N4981
356	1N4981US	JAN1N4981US	JANTX1N4981US	JANTXV1N4981US
356	1N4982	JAN1N4982	JANTX1N4982	JANTXV1N4982
356	1N4982US	JAN1N4982US	JANTX1N4982US	JANTXV1N4982US
356	1N4983	JAN1N4983	JANTX1N4983	JANTXV1N4983
356	1N4983US	JAN1N4983US	JANTX1N4983US	JANTXV1N4983US
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356	1N4984US	JAN1N4984US	JANTX1N4984US	JANTXV1N4984US
356	1N4985	JAN1N4985	JANTX1N4985	JANTXV1N4985

356	1N4985US	JAN1N4985US	JANTX1N4985US	JANTXV1N4985US
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356	1N4986US	JAN1N4986US	JANTX1N4986US	JANTXV1N4986US
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356	1N4987US	JAN1N4987US	JANTX1N4987US	JANTXV1N4987US
356	1N4988	JAN1N4988	JANTX1N4988	JANTXV1N4988
356	1N4988US	JAN1N4988US	JANTX1N4988US	JANTXV1N4988US
356	1N4989	JAN1N4989	JANTX1N4989	JANTXV1N4989
356	1N4989US	JAN1N4989US	JANTX1N4989US	JANTXV1N4989US
356	1N4990	JAN1N4990	JANTX1N4990	JANTXV1N4990
356	1N4990US	JAN1N4990US	JANTX1N4990US	JANTXV1N4990US
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356	1N4991US	JAN1N4991US	JANTX1N4991US	JANTXV1N4991US
356	1N4992	JAN1N4992	JANTX1N4992	JANTXV1N4992
356	1N4992US	JAN1N4992US	JANTX1N4992US	JANTXV1N4992US
356	1N4993	JAN1N4993	JANTX1N4993	JANTXV1N4993
356	1N4993US	JAN1N4993US	JANTX1N4993US	JANTXV1N4993US
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359	1N4946	JAN1N4946	JANTX1N4946	JANTXV1N4946
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406	1N4460	JAN1N4460	JANTX1N4460	JANTXV1N4460
406	1N4460US	JAN1N4460US	JANTX1N4460US	JANTXV1N4460US
406	1N4461	JAN1N4461	JANTX1N4461	JANTXV1N4461
406	1N4461US	JAN1N4461US	JANTX1N4461US	JANTXV1N4461US

406	1N4462	JAN1N4462	JANTX1N4462	JANTXV1N4462
406	1N4462US	JAN1N4462US	JANTX1N4462US	JANTXV1N4462US
406	1N4463	JAN1N4463	JANTX1N4463	JANTXV1N4463
406	1N4463US	JAN1N4463US	JANTX1N4463US	JANTXV1N4463US
406	1N4464	JAN1N4464	JANTX1N4464	JANTXV1N4464
406	1N4464US	JAN1N4464US	JANTX1N4464US	JANTXV1N4464US
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406	1N4465US	JAN1N4465US	JANTX1N4465US	JANTXV1N4465US
406	1N4466	JAN1N4466	JANTX1N4466	JANTXV1N4466
406	1N4466US	JAN1N4466US	JANTX1N4466US	JANTXV1N4466US
406	1N4467	JAN1N4467	JANTX1N4467	JANTXV1N4467
406	1N4467US	JAN1N4467US	JANTX1N4467US	JANTXV1N4467US
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406	1N4468US	JAN1N4468US	JANTX1N4468US	JANTXV1N4468US
406	1N4469	JAN1N4469	JANTX1N4469	JANTXV1N4469
406	1N4469US	JAN1N4469US	JANTX1N4469US	JANTXV1N4469US
406	1N4470	JAN1N4470	JANTX1N4470	JANTXV1N4470
406	1N4470US	JAN1N4470US	JANTX1N4470US	JANTXV1N4470US
406	1N4471	JAN1N4471	JANTX1N4471	JANTXV1N4471
406	1N4471US	JAN1N4471US	JANTX1N4471US	JANTXV1N4471US
406	1N4472	JAN1N4472	JANTX1N4472	JANTXV1N4472
406	1N4472US	JAN1N4472US	JANTX1N4472US	JANTXV1N4472US
406	1N4473	JAN1N4473	JANTX1N4473	JANTXV1N4473
406	1N4473US	JAN1N4473US	JANTX1N4473US	JANTXV1N4473US
406	1N4474	JAN1N4474	JANTX1N4474	JANTXV1N4474
406	1N4474US	JAN1N4474US	JANTX1N4474US	JANTXV1N4474US

406	1N4475	JAN1N4475	JANTX1N4475	JANTXV1N4475
406	1N4475US	JAN1N4475US	JANTX1N4475US	JANTXV1N4475US
406	1N4476	JAN1N4476	JANTX1N4476	JANTXV1N4476
406	1N4476US	JAN1N4476US	JANTX1N4476US	JANTXV1N4476US
406	1N4477	JAN1N4477	JANTX1N4477	JANTXV1N4477
406	1N4477US	JAN1N4477US	JANTX1N4477US	JANTXV1N4477US
406	1N4478	JAN1N4478	JANTX1N4478	JANTXV1N4478
406	1N4478US	JAN1N4478US	JANTX1N4478US	JANTXV1N4478US
406	1N4479	JAN1N4479	JANTX1N4479	JANTXV1N4479
406	1N4479US	JAN1N4479US	JANTX1N4479US	JANTXV1N4479US
406	1N4480	JAN1N4480	JANTX1N4480	JANTXV1N4480
406	1N4480US	JAN1N4480US	JANTX1N4480US	JANTXV1N4480US
406	1N4481	JAN1N4481	JANTX1N4481	JANTXV1N4481
406	1N4481US	JAN1N4481US	JANTX1N4481US	JANTXV1N4481US
406	1N4482	JAN1N4482	JANTX1N4482	JANTXV1N4482
406	1N4482US	JAN1N4482US	JANTX1N4482US	JANTXV1N4482US
406	1N4483	JAN1N4483	JANTX1N4483	JANTXV1N4483
406	1N4483US	JAN1N4483US	JANTX1N4483US	JANTXV1N4483US
406	1N4484	JAN1N4484	JANTX1N4484	JANTXV1N4484
406	1N4484US	JAN1N4484US	JANTX1N4484US	JANTXV1N4484US
406	1N4485	JAN1N4485	JANTX1N4485	JANTXV1N4485
406	1N4485US	JAN1N4485US	JANTX1N4485US	JANTXV1N4485US
406	1N4486	JAN1N4486	JANTX1N4486	JANTXV1N4486
406	1N4486US	JAN1N4486US	JANTX1N4486US	JANTXV1N4486US
406	1N4487	JAN1N4487	JANTX1N4487	JANTXV1N4487
406	1N4487US	JAN1N4487US	JANTX1N4487US	JANTXV1N4487US

406	1N4488	JAN1N4488	JANTX1N4488	JANTXV1N4488
406	1N4488US	JAN1N4488US	JANTX1N4488US	JANTXV1N4488US
406	1N4489	JAN1N4489	JANTX1N4489	JANTXV1N4489
406	1N4489US	JAN1N4489US	JANTX1N4489US	JANTXV1N4489US
406	1N4490	JAN1N4490	JANTX1N4490	JANTXV1N4490
406	1N4490US	JAN1N4490US	JANTX1N4490US	JANTXV1N4490US
406	1N4491	JAN1N4491	JANTX1N4491	JANTXV1N4491
406	1N4491US	JAN1N4491US	JANTX1N4491US	JANTXV1N4491US
406	1N4492	JAN1N4492	JANTX1N4492	JANTXV1N4492
406	1N4492US	JAN1N4492US	JANTX1N4492US	JANTXV1N4492US
406	1N4493	JAN1N4493	JANTX1N4493	JANTXV1N4493
406	1N4493US	JAN1N4493US	JANTX1N4493US	JANTXV1N4493US
406	1N4494	JAN1N4494	JANTX1N4494	JANTXV1N4494
406	1N4494US	JAN1N4494US	JANTX1N4494US	JANTXV1N4494US
406	1N4495	JAN1N4495	JANTX1N4495	JANTXV1N4495
406	1N4495US	JAN1N4495US	JANTX1N4495US	JANTXV1N4495US
406	1N4496	JAN1N4496	JANTX1N4496	JANTXV1N4496
406	1N4496US	JAN1N4496US	JANTX1N4496US	JANTXV1N4496US
411	1N5415	JAN1N5415	JANTX1N5415	JANTXV1N5415
411	1N5416	JAN1N5416	JANTX1N5416	JANTXV1N5416
411	1N5417	JAN1N5417	JANTX1N5417	JANTXV1N5417
411	1N5418	JAN1N5418	JANTX1N5418	JANTXV1N5418
411	1N5419	JAN1N5419	JANTX1N5419	JANTXV1N5419
411	1N5420	JAN1N5420	JANTX1N5420	JANTXV1N5420
420	1N5550	JAN1N5550	JANTX1N5550	JANTXV1N5550
420	1N5550US	JAN1N5550US	JANTX1N5550US	JANTXV1N5550US

420	1N5551	JAN1N5551	JANTX1N5551	JANTXV1N5551
420	1N5551US	JAN1N5551US	JANTX1N5551US	JANTXV1N5551US
420	1N5552	JAN1N5552	JANTX1N5552	JANTXV1N5552
420	1N5552US	JAN1N5552US	JANTX1N5552US	JANTXV1N5552US
420	1N5553	JAN1N5553	JANTX1N5553	JANTXV1N5553
420	1N5553US	JAN1N5553US	JANTX1N5553US	JANTXV1N5553US
420	1N5554	JAN1N5554	JANTX1N5554	JANTXV1N5554
420	1N5554US	JAN1N5554US	JANTX1N5554US	JANTXV1N5554US
427	1N5614	JAN1N5614	JANTX1N5614	JANTXV1N5614
427	1N5616	JAN1N5616	JANTX1N5616	JANTXV1N5616
427	1N5618	JAN1N5618	JANTX1N5618	JANTXV1N5618
427	1N5620	JAN1N5620	JANTX1N5620	JANTXV1N5620
427	1N5622	JAN1N5622	JANTX1N5622	JANTXV1N5622
429	1N5615	JAN1N5615	JANTX1N5615	JANTXV1N5615
429	1N5617	JAN1N5617	JANTX1N5617	JANTXV1N5617
429	1N5619	JAN1N5619	JANTX1N5619	JANTXV1N5619
429	1N5621	JAN1N5621	JANTX1N5621	JANTXV1N5621
429	1N5623	JAN1N5623	JANTX1N5623	JANTXV1N5623
516	1N6102	JAN1N6102	JANTX1N6102	JANTXV1N6102
516	1N6102US	JAN1N6102US	JANTX1N6102US	JANTXV1N6102US
516	1N6102A	JAN1N6102A	JANTX1N6102A	JANTXV1N6102A
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