



PRODUCT CHANGE NOTIFICATION
PCN-000594
Date: 18NOV2019

P1/1

- 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
- Semtech Bristol - EMEA Limited, Block B, St James Court, Great Park Road, Bristol BS32 4QJ, UK
- Semtech Corpus Christi SA de CV, Carretera Matamorros Edificio 7, Reynosa, Tamaulipas, Mexico 88780
- Semtech Plano, 1101 Resource Drive, Suite 121, Plano TX 75074

Change Details

| | |
|--|---|
| Part Number(s) Affected: UCLAMP1201P.TCT | Customer Part Number(s) Affected: <input type="checkbox"/> N/A |
|--|---|

Description, Purpose and Effect of Change:

For the benefit of our customers, Semtech has qualified additional manufacturing capacity for UCLAMP1201P.TCT. A second assembly site at Huatian, Xi'an has been brought online that duplicates our current assembly manufacturing and test processes.

a. The additional assembly/test plant is Huatian Xi'an, China
 POR: Diodes, Shanghai

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

Impact to Performance, Characteristics or Reliability:

- NO impact to data sheet content or package dimensions
- NO impact to performance, characteristics; or reliability

| | | | |
|--|--------------------------|--|-----------------|
| Implementation Date | 28FEB2020 | Work Week | TBD |
| Last Time Ship (LTS) <small>Of unchanged product</small> | N/A | Affecting Lot No. / Serial No. (SN) | N/A |
| Sample Availability | Samples available | Qualification Report Availability | Attached |

Supporting Documents for Change Validation/Attachments:

- Reljob #6942 – Final Report

Issuing Authority

| | | |
|-------------------------------|---|--|
| Semtech Business Unit: | Protection | |
| Semtech Contact Info: | Les Fang Yuen Semtech Corporation Sr. Engineering Manager, QA 200 Flynn Road Camarillo, CA 93012 lfangyuen@semtech.com Office: (949) 269-4443 | |

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



UCLAMP1201P.TCT

| | |
|----------------------------|---|
| Semtech Job# | 6942 |
| Accepted Date | 05-16-2019 |
| Job Type | New Device with qualified package and qualified process |
| Business Unit | Protection |
| Package Type | SLF1006P2 |
| Package Lead | 2 |
| Assembly Designator | Huatian Xi |
| Master Process | 12B |
| Fab Designator | ASMC12B |
| Rel Job Status | Rel Testing Complete Passes All Requirements |

Completed Tasks

| Sub Lot # | Part | Lot | Assembly Lot | Date Code | |
|-----------|---------------------------|-------------|----------------------|-----------|----------------|
| 1 | uClamp1201P.TCT | AER-005970 | AER-005970 | 1919 | |
| Task# | Task Code | Sample Size | Criteria | Failures | Task On Actual |
| 1 | Data-Prep | None | None | 0 | 06-05-2019 |
| 2 | HTRB_Pre_Elect_150°C_RT24 | 105 | Pass on Zero Fails | 0 | 06-24-2019 |
| 3 | HTRB_150°C_Real Time_0024 | 105 | Pass on Zero Fails | 0 | 07-30-2019 |
| 4 | HTRB_Pre_Elect | 105 | Pass on Zero Fails | 0 | 06-07-2019 |
| 5 | BI_BD_Valid | NA | Meet HTOL Schematics | 0 | 06-07-2019 |
| 6 | HTRB_150°C_0072 | 105 | Pass on Zero Fails | 0 | 06-07-2019 |
| 7 | HTRB_150°C_0408 | 105 | Pass on Zero Fails | 0 | 06-10-2019 |
| 8 | HTS_Pre_Elect | 77 | Pass on Zero Fails | 0 | 06-11-2019 |
| 9 | HTS_0168 | 77 | Pass on Zero Fails | 0 | 06-11-2019 |
| 10 | HTS_0500 | 77 | Pass on Zero Fails | 0 | 06-18-2019 |
| 11 | HTS_1000 | 77 | Pass on Zero Fails | 0 | 07-02-2019 |
| 12 | ROSE Clean/ Test | 174 | Pass on Zero Fails | 0 | 06-05-2019 |
| 13 | 85°C/85%RH_N/Pre_Pre Elec | 20 | Pass with 0 fail | 0 | 06-10-2019 |
| 14 | 85°C/85%RH_BD_Valid | 20 | Pass on Zero Fails | 0 | 06-10-2019 |
| 15 | 85/85_120hr_On/Off | 20 | Pass on Zero Fails | 0 | 06-10-2019 |
| 16 | Pre_Elect_Precond | 154 | Pass on Zero Fails | 0 | 06-06-2019 |
| 17 | Precond_Temp_Cyc_5cyc | 154 | Pass on Zero Fails | 0 | 06-06-2019 |
| 18 | Precond_HTS_24hr | 154 | Pass on Zero Fails | 0 | 06-06-2019 |
| 19 | Precond_85/85_NoElec168hr | 154 | Pass on Zero Fails | 0 | 06-07-2019 |
| 20 | Precond_IR_Refl_Char | 154 | Pass on Zero Fails | 0 | 06-14-2019 |
| 21 | T/C_Pre_Elect | 77 | Pass on Zero Fails | 0 | 06-14-2019 |

| Task# | Task Code | Sample Size | Criteria | Failures | Task On Actual |
|-------|---------------------------|-------------|--------------------|----------|----------------|
| 22 | T/C_wPre_0250 | 77 | Pass on Zero Fails | 0 | 06-14-2019 |
| 23 | T/C_wPre_0500 | 77 | Pass on Zero Fails | 0 | 06-20-2019 |
| 24 | T/C_wPre_1000 | 77 | Pass on Zero Fails | 0 | 06-24-2019 |
| 25 | Cross_Section TC 1000 Cyc | 5 | Pass on Zero Fails | 0 | 07-08-2019 |
| 26 | 85°C/85%RH_W/Pre_Pre Elec | 77 | Pass on Zero Fails | 0 | 06-14-2019 |
| 27 | 85°C/85%RH_BD_Valid | 77 | Pass on Zero Fails | 0 | 06-17-2019 |
| 28 | 85°C/85%RH_Biased_168hrs | 77 | Pass on Zero Fails | 0 | 06-17-2019 |
| 29 | 85°C/85%RH_Biased_500hrs | 77 | Pass on Zero Fails | 0 | 06-24-2019 |
| 30 | 85°C/85%RH_Biased_1000hrs | 77 | Pass on Zero Fails | 0 | 07-15-2019 |
| 31 | Cross_Section 85°C/85%RH | 5 | Pass on Zero Fails | 0 | 07-29-2019 |
| 32 | Pack_Clos | 0 | 0 | 0 | 07-31-2019 |