



**PRODUCT / PROCESS CHANGE NOTIFICATION**  
**PCN-000516**  
**Date: 28JAN2019**

P1/1

<input checked="" 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"/> 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 Plano, 1101 Resource Drive, Suite 121, Plano TX 75074

**Change Details**

<b>Part Number(s) Affected:</b> RClamp3361Z.TFT RClamp0561Z.TFT	<b>Customer Part Number(s) Affected:</b> <input checked="" type="checkbox"/> N/A
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**Description, Purpose and Effect of Change:**  
 For the benefit of our customers, Semtech has qualified additional manufacturing capacity for Protection Products. A second assembly site has been brought on line that duplicates our current assembly manufacturing processes.  
 a. The second assembly plant is Diodes Chengdu

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

<b>Implementation Date</b>	<b>29APR2019</b>	<b>Work Week</b>	<b>TBD</b>
<b>Last Time Ship (LTS)</b> Of unchanged product	<b>N/A</b>	<b>Affecting Lot No. / Serial No. (SN)</b>	<b>N/A</b>
<b>Sample Availability</b>	<b>28JAN2019</b>	<b>Qualification Report Availability</b>	<b>Included in Notification</b>

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

- Product Qualification Report

**Issuing Authority**

<b>Semtech Business Unit:</b>	Protection Business Unit	
<b>Semtech Contact Info:</b>	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>

**NEW VENDOR (DIODES CHENGDU TRANSFER QUALIFICATION)**

<b>Semtech Job#</b>	6685
<b>Accepted Date</b>	07-20-2018
<b>Part Number</b>	RClamp3361Z.TFT
<b>Job Type</b>	New Product on qualified process with un-qualified package
<b>Business Unit</b>	Protection
<b>Package Type</b>	SGP0603P2X3
<b>Package Lead</b>	2
<b>Assembly Designator</b>	Diodes Chengdu
<b>Master Process</b>	21F
<b>Fab Designator</b>	ASMC21 TVS
<b>Rel Job Status</b>	Rel Testing Complete Passes All Requirements

## Completed Tasks

Sub Lot #	Part	Lot	Assembly Lot	Date Code	
1	RCLAMP3361Z	AER4984	AER4984	6/4/18	
Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual
1	Data-Prep	None	None	0	06-06-2018
2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	0	06-20-2018
3	HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	0	07-18-2018
4	HTRB_Pre_Elect	105	Pass on Zero Fails	0	06-06-2018
5	BI_BD_Valid	NA	Meet HTOL Schematics	0	06-07-2018
6	HTRB_150°C_0072	105	Pass on Zero Fails	0	06-08-2018
7	HTRB_150°C_0408	105	Pass on Zero Fails	0	06-11-2018
8	HTS_Pre_Elect	77	Pass on Zero Fails	0	06-06-2018
9	HTS_0168	77	Pass on Zero Fails	0	06-06-2018
10	HTS_0500	77	Pass on Zero Fails	0	06-13-2018
11	HTS_1000	77	Pass on Zero Fails	0	06-27-2018
12	85°C/85%RH_N/Pre_Pre Elec	20	Pass with 0 fail	0	06-07-2018
13	85°C/85%RH_BD_Valid	20	Pass on Zero Fails	0	06-07-2018
14	85/85_120hr_On/Off	20	Pass on Zero Fails	0	06-08-2018
15	Pre_Elect_Precond	154	Pass on Zero Fails	0	06-05-2018
16	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	0	06-05-2018
17	Precond_HTS_24hr	154	Pass on Zero Fails	0	06-05-2018
18	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	0	06-06-2018
19	Precond_IR_Refl_Char	154	Pass on Zero Fails	0	06-13-2018
20	T/C_Pre_Elect	77	Pass on Zero Fails	0	06-13-2018
21	T/C_wPre_0250	77	Pass on Zero Fails	0	06-13-2018
22	T/C_wPre_0500	77	Pass on Zero Fails	0	06-19-2018

Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual
23	T/C_wPre_1000	77	Pass on Zero Fails	0	06-26-2018
24	ROSE Clean/ Test	77	Pass on Zero Fails	0	09-11-2018
25	Pre_Elect_Precond	77	Pass on Zero Fails	0	09-12-2018
26	Precond_Temp_Cyc_5cyc	77	Pass on Zero Fails	0	09-12-2018
27	Precond_HTS_24hr	77	Pass on Zero Fails	0	09-12-2018
28	Precond_85/85_NoElec168hr	77	Pass on Zero Fails	0	09-13-2018
29	Precond_260°C_IR_Ref_Char	77	Pass on Zero Fails	0	09-20-2018
30	85/85_Pre Elec	77	Pass on Zero Fails	0	09-20-2018
31	85°C/85%RH_BD_Valid	77	Pass on Zero Fails	0	09-21-2018
32	85°C/85%RH_168Hrs	77	Pass on Zero Fails	0	09-21-2018
33	85°C/85%RH_500hr	77	Pass on Zero Fails	0	09-28-2018
34	85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	0	10-12-2018
35	Construct_Package	5 unique packaged devices minimum.	No Major Findings, Q&R to review construction analysis report.	0	06-08-2018
36	Pack_Clos	0	0	0	08-13-2018

Sub Lot #	Part	Lot	Assembly Lot	Date Code
2	RCLAMP3361Z	AER4985	AER4985	1820

  

Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual
1	Data-Prep	None	None	0	06-06-2018
2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	0	06-20-2018
3	HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	0	07-18-2018
4	HTRB_Pre_Elect	105	Pass on Zero Fails	0	06-06-2018
5	BI_BD_Valid	NA	Meet HTOL Schematics	0	06-07-2018
6	HTRB_150°C_0072	105	Pass on Zero Fails	0	06-08-2018
7	HTRB_150°C_0408	105	Pass on Zero Fails	0	06-11-2018
8	HTS_Pre_Elect	77	Pass on Zero Fails	0	06-06-2018
9	HTS_0168	77	Pass on Zero Fails	0	06-06-2018

Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual
10	HTS_0500	77	Pass on Zero Fails	0	06-13-2018
11	HTS_1000	77	Pass on Zero Fails	0	06-27-2018
12	85°C/85%RH_N/Pre_Pre Elec	20	Pass with 0 fail	0	06-07-2018
13	85°C/85%RH_BD_Valid	20	Pass on Zero Fails	0	06-07-2018
14	85/85_120hr_On/Off	20	Pass on Zero Fails	0	06-08-2018
15	Pre_Elect_Precond	154	Pass on Zero Fails	0	06-05-2018
16	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	0	06-05-2018
17	Precond_HTS_24hr	154	Pass on Zero Fails	0	06-05-2018
18	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	0	06-06-2018
19	Precond_IR_Refl_Char	154	Pass on Zero Fails	0	06-13-2018
20	T/C_Pre_Elect	77	Pass on Zero Fails	0	06-13-2018
21	T/C_wPre_0250	77	Pass on Zero Fails	0	06-13-2018
22	T/C_wPre_0500	77	Pass on Zero Fails	0	06-19-2018
23	T/C_wPre_1000	77	Pass on Zero Fails	0	06-26-2018
24	85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	0	06-13-2018
25	85°C/85%RH_BD_Valid	77	Pass on Zero Fails	0	06-14-2018
26	85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	0	06-14-2018
27	85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	0	06-21-2018
28	85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	0	07-09-2018
29	Rider_Card_Wash/Bake	154	Pass on Zero Fails	0	06-04-2018
30	Pack_Clos	0	0	0	08-13-2018

Sub Lot #	Part	Lot	Assembly Lot	Date Code
3	RCLAMP3361Z	AER4986	AER4986	1820

  

Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual
1	Data-Prep	None	None	0	06-06-2018
2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	0	06-20-2018

Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual
3	HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	0	06-28-2018
4	HTRB_Pre_Elect	105	Pass on Zero Fails	0	06-06-2018
5	BI_BD_Valid	NA	Meet HTOL Schematics	0	06-07-2018
6	HTRB_150°C_0072	105	Pass on Zero Fails	0	06-08-2018
7	HTRB_150°C_0408	105	Pass on Zero Fails	0	06-11-2018
8	HTS_Pre_Elect	77	Pass on Zero Fails	0	06-06-2018
9	HTS_0168	77	Pass on Zero Fails	0	06-06-2018
10	HTS_0500	77	Pass on Zero Fails	0	06-13-2018
11	HTS_1000	77	Pass on Zero Fails	0	07-04-2018
12	85°C/85%RH_N/Pre_Pre Elec	20	Pass with 0 fail	0	06-07-2018
13	85°C/85%RH_BD_Valid	20	Pass on Zero Fails	0	06-07-2018
14	85/85_120hr_On/Off	20	Pass on Zero Fails	0	06-08-2018
15	Pre_Elect_Precond	154	Pass on Zero Fails	0	06-05-2018
16	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	0	06-05-2018
17	Precond_HTS_24hr	154	Pass on Zero Fails	0	06-05-2018
18	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	0	06-06-2018
19	Precond_IR_Refl_Char	154	Pass on Zero Fails	0	06-13-2018
20	T/C_Pre_Elect	77	Pass on Zero Fails	0	06-13-2018
21	T/C_wPre_0250	77	Pass on Zero Fails	0	06-13-2018
22	T/C_wPre_0500	77	Pass on Zero Fails	0	06-19-2018
23	T/C_wPre_1000	77	Pass on Zero Fails	0	06-26-2018
24	85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	0	06-13-2018
25	85°C/85%RH_BD_Valid	77	Pass on Zero Fails	0	06-14-2018
26	85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	0	06-14-2018
27	85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	0	06-21-2018
28	85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	0	07-09-2018
29	Rider_Card_Wash/Bake	154	Pass on Zero Fails	0	06-04-2018
30	Pack_Clos	0	0	0	07-27-2018