



PRODUCT CHANGE NOTIFICATION

PCN-000553

Date: 10APR2019

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

Part Number(s) Affected: uClamp3331ZATFT	Customer Part Number(s) Affected: <input checked="" type="checkbox"/> N/A
--	--

Description, Purpose and Effect of Change:
 For the benefit of our customers, Semtech has qualified additional manufacturing capacity for Protection Products. A second assembly facility has been brought on line that duplicates our current assembly manufacturing and test processes.

a. Additional Assembly and Test Capacity – Huatian (Kunshan) Electronics Co, Ltd, China

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	10JUL2019	Work Week	Predicated upon receipt of customer approval
Last Time Ship (LTS) Of unchanged product	N/A Additional Capacity	Affecting Lot No. / Serial No. (SN)	N/A
Sample Availability	Immediate	Qualification Report Availability	Attached

Supporting Documents for Change Validation/Attachments:

- Rel Report: - 6247_1_2_UClamp3331ZA_3321ZA_final

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>

Rel Job Detail Report

by Sublot, by Sequence
 Contact: Gurmail Sajjan
 (805) 480 2142
 gsajjan@semtech.com

<i>Businessunit</i>	<i>Protection</i>				
<i>Reljob#</i>	<i>Part_Number, Job Name/Type</i>	<i>Fab, Package</i>	<i>Rel Job Status</i>	<i>Key Dates:</i>	
6247	RClamp3331ZA / uClamp3321ZA	ASMC14TVS	Rel Testing Complete Passes All Requirements	<i>Job Accepted:</i> 20-Oct-2016	
	New Vendor (Kun Shan China) Package Qu	HTKS		<i>Requested CD:</i>	
	New Product on qualified process and qualified package			<i>Actual Start Date:</i> 20-Oct-2016	
				<i>ECD for Conditional:</i>	
				<i>Job ECD:</i> 02_Feb-2017	

Completed Tasks

<i>I.O</i>	<i>Lot</i>	<i>AssemblyLot</i>	<i>DateCode</i>				
	AER3570 Wafer # 5	AER3570 Wafer # 5	1638				
<i>Seq</i>	<i>TaskCode</i>	<i>SampleSize</i>	<i>Criteria</i>	<i>Complete</i>	<i>Failures</i>	<i>DataSource</i>	<i>Results/Comments</i>
1	Data-Prep	None	None	01-Nov-2016		Camarillo	
2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	02-Nov-2016	0	Camarillo	
3	HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	04-Nov-2016	0	Camarillo	
4	HTRB_Pre_Elect	105	Pass on Zero Fails	02-Nov-2016	0	Camarillo	
5	BI_BD_Valid	NA	Meet HTOL Schematics	02-Nov-2016	0	Camarillo	
6	HTRB_150°C_0072	105	Pass on Zero Fails	07-Nov-2016	0	Camarillo	
7	HTRB_150°C_0408	105	Pass on Zero Fails	21-Nov-2016	0	Camarillo	
8	HTS_Pre_Elect	77	Pass on Zero Fails	02-Nov-2016	0	Camarillo	
9	HTS_0168	77	Pass on Zero Fails	09-Nov-2016	0	Camarillo	
10	HTS_0500	77	Pass on Zero Fails	23-Nov-2016	0	Camarillo	
11	HTS_1000	77	Pass on Zero Fails	14-Dec-2016	0	Camarillo	
15	Pre_Conditioning_Level_1	NA	MSL 1	02-Nov-2016		Camarillo	
16	Pre_Elect_Precond	154	Pass on Zero Fails	03-Nov-2016	0	Camarillo	
17	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	03-Nov-2016	0	Camarillo	
18	Precond_HTS_24hr	154	Pass on Zero Fails	04-Nov-2016	0	Camarillo	

Rel Job Detail Report

by Sublot, by Sequence
 Contact: Gurmail Sajjan
 (805) 480 2142
 gsajjan@semtech.com

19 Precond_85/85_NoElec168hr	154	Pass on Zero Fails	11-Nov-2016	0	Camarillo
20 Precond_260°C_IR_Ref_Char	154	Pass on Zero Fails	11-Nov-2016	0	Camarillo
21 T/C_Pre_Elect	77	Pass on Zero Fails	11-Nov-2016	0	Camarillo
22 T/C_wPre_0250	77	Pass on Zero Fails	17-Nov-2016	0	Camarillo
23 T/C_wPre_0500	77	Pass on Zero Fails	22-Nov-2016	0	Camarillo
24 T/C_wPre_1000	77	Pass on Zero Fails	02-Dec-2016	0	Camarillo
25 85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	11-Nov-2016	0	Camarillo
26 85°C/85%RH_BD_Valid	77	Pass on Zero Fails	21-Nov-2016	0	Camarillo
27 85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	29-Nov-2016	0	Camarillo
28 85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	13-Dec-2016	0	Camarillo
29 85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	03-Jan-2017	0	Camarillo
30 Construct_Package	5 unique packaged devices minimum.	No Major Findings, Q&R to review construction analysis report.	05-Dec-2016	0	Camarillo
31 Rider_Card_Wash/Bake	154	Pass on Zero Fails	02-Nov-2016	0	Camarillo
32 Pack_Clos	0	0	04-Jan-2017		Camarillo

2.0 Lot AER3571 Wafer # 9 **AssemblyLot** AER3571 Wafer # 9 **DateCode** 1636

<i>Seq</i>	<i>TaskCode</i>	<i>SampleSize</i>	<i>Criteria</i>	<i>Complete</i>	<i>Failures</i>	<i>DataSource</i>	<i>Results/Comments</i>
1	Data-Prep	None	None	01-Nov-2016		Camarillo	
2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	02-Nov-2016	0	Camarillo	
3	HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	08-Nov-2016	0	Camarillo	
4	HTRB_Pre_Elect	105	Pass on Zero Fails	02-Nov-2016	0	Camarillo	
5	BI_BD_Valid	NA	Meet HTOL Schematics	02-Nov-2016	0	Camarillo	
6	HTRB_150°C_0072	105	Pass on Zero Fails	07-Nov-2016	0	Camarillo	
7	HTRB_150°C_0408	105	Pass on Zero Fails	21-Nov-2016	0	Camarillo	
8	HTS_Pre_Elect	77	Pass on Zero Fails	02-Nov-2016	0	Camarillo	
9	HTS_0168	77	Pass on Zero Fails	09-Nov-2016	0	Camarillo	

Rel Job Detail Report

by Sublot, by Sequence
Contact: Gurmail Sajjan
(805) 480 2142
gsajjan@semtech.com

10 HTS_0500	77	Pass on Zero Fails	23-Nov-2016	0	Camarillo
11 HTS_1000	77	Pass on Zero Fails	14-Dec-2016	0	Camarillo
15 Pre_Elect_Precond	154	Pass on Zero Fails	03-Nov-2016	0	Camarillo
16 Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	03-Nov-2016	0	Camarillo
17 Precond_HTS_24hr	154	Pass on Zero Fails	04-Nov-2016	0	Camarillo
18 Precond_85/85_NoElec168hr	154	Pass on Zero Fails	11-Nov-2016	0	Camarillo
19 Precond_IR_Refl_Char	154	Pass on Zero Fails	11-Nov-2016	0	Camarillo
20 T/C_Pre_Elect	77	Pass on Zero Fails	11-Nov-2016	0	Camarillo
21 T/C_wPre_0250	77	Pass on Zero Fails	17-Nov-2016	0	Camarillo
22 T/C_wPre_0500	77	Pass on Zero Fails	22-Nov-2016	0	Camarillo
23 T/C_wPre_1000	77	Pass on Zero Fails	02-Dec-2016	0	Camarillo
24 85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	11-Nov-2016	0	Camarillo
25 85°C/85%RH_BD_Valid	77	Pass on Zero Fails	21-Nov-2016	0	Camarillo
26 85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	29-Nov-2016	0	Camarillo
27 85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	13-Dec-2016	0	Camarillo
28 85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	03-Jan-2017	0	Camarillo
29 Rider_Card_Wash/Bake	154	Pass on Zero Fails	12-Nov-2016	0	Camarillo
30 Pack_Clos	0	0	04-Jan-2017		Camarillo

In-Complete Tasks

Lot	Assembly_Lot	Date_Code					
Seq Task_Code	SampleSize	Criteria	ECD	I-Failures	Data_Source	Results/Comments	FA