



PRODUCT CHANGE NOTIFICATION

PCN-000400

Date: 19JUN2019

P1/2

- 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 Matamorros Edificio 7, Reynosa, Tamaulipas, Mexico 88780
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Change Details

Part Number(s) Affected: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><u>Huatian Assembly</u></td> </tr> <tr> <td style="padding: 2px;">uClamp0541Z.TFT</td> </tr> </table>	<u>Huatian Assembly</u>	uClamp0541Z.TFT	Part Number(s) Affected: <input checked="" type="checkbox"/> N/A
<u>Huatian Assembly</u>			
uClamp0541Z.TFT			

Description, Purpose and Effect of Change:
 For the benefit of our customers, Semtech has qualified additional manufacturing capacity for Protection Products. An additional assembly facility has been brought on line that duplicates our current assembly manufacturing 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	19SEP2019	Work Week	Predicated upon receipt of customer approval
Last Time Ship (LTS) <small>Of unchanged product</small>	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:

a. Qualification Reports: - Huatian [Kunshan] Electronics Co, Ltd, China




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Issuing Authority

Semtech Business Unit:	Protection	
Semtech Contact Info:	Les Fang Yuen Sr. Engineering Manager, QA Semtech Corporation	
	200 Flynn Road Camarillo, CA 93012 lfangyuen@semtech.com Office: (949) 269 4443 Fax: (805) 498-3804	

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

Rel Job Detail Report

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<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>
6151	uClamp0541Z New vendor qual (HuaTian KunShan) New Product on qualified process and qualified package	ASMC21 TVS Z-Package	Rel Testing Complete Passes All Requirements	<i>Job Accepted:</i> 19-Apr-2016 <i>Requested CD:</i> <i>Actual Start Date:</i> 15-Apr-2016 <i>ECD for Conditional:</i> <i>Job ECD:</i> 14-Dec-2016

Completed Tasks

<i>I.O</i>	<i>Lot</i>	<i>AssemblyLot</i>	<i>DateCode</i>								
	AER3520 Wafer #13	AER3520 Wafer #13	1631	<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	17-Aug-2016		Camarillo	
				2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	23-Aug-2016	0	Camarillo	
				3	HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	31-Aug-2016	0	Camarillo	Side A completed today.All pass bin1(8/30/16). Side B on today(8/30/16). Side B completed today.Post test All pass bin1 (8/31/16).
				4	HTRB_Pre_Elect	105	Pass on Zero Fails	18-Aug-2016	0	Camarillo	
				5	BI_BD_Valid	NA	Meet HTOL Schematics	18-Aug-2016	0	Camarillo	
				6	HTRB_150°C_0072	105	Pass on Zero Fails	22-Aug-2016	0	Camarillo	
				7	HTRB_150°C_0408	105	Pass on Zero Fails	07-Sep-2016	0	Camarillo	
				8	HTS_Pre_Elect	77	Pass on Zero Fails	18-Aug-2016	0	Camarillo	
				9	HTS_0168	77	Pass on Zero Fails	25-Aug-2016	0	Camarillo	
				10	HTS_0500	77	Pass on Zero Fails	08-Sep-2016	0	Camarillo	
				11	HTS_1000	77	Pass on Zero Fails	03-Oct-2016	0	Camarillo	
				15	Pre_Conditioning_Level_1	NA	MSL 1	18-Aug-2016		Camarillo	
				16	Pre_Elect_Precond	154	Pass on Zero Fails	18-Aug-2016	0	Camarillo	
				17	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	18-Aug-2016	0	Camarillo	

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18 Precond_HTS_24hr	154	Pass on Zero Fails	19-Aug-2016	0	Camarillo
19 Precond_85/85_NoElec168hr	154	Pass on Zero Fails	26-Aug-2016	0	Camarillo
20 Precond_260°C_IR_Ref_Char	154	Pass on Zero Fails	26-Aug-2016	0	Camarillo
21 T/C_Pre_Elect	77	Pass on Zero Fails	26-Aug-2016	0	Camarillo
22 T/C_wPre_0250	77	Pass on Zero Fails	01-Sep-2016	0	Camarillo
23 T/C_wPre_0500	77	Pass on Zero Fails	06-Sep-2016	0	Camarillo
24 T/C_wPre_1000	77	Pass on Zero Fails	16-Sep-2016	0	Camarillo
25 85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	26-Aug-2016	0	Camarillo
27 85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	06-Sep-2016	0	Camarillo
28 85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	19-Sep-2016	0	Camarillo
29 85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	10-Oct-2016	0	Camarillo
31 Rider_Card_Wash/Bake	18		17-Aug-2016	0	Camarillo
32 Pack_Clos	0	0	11-Oct-2016		Camarillo

2.0 Lot AER3520 Wafer #12 AssemblyLot AER3520 Wafer #12 DateCode 1631

Seq TaskCode	SampleSize	Criteria	Complete	Failures	DataSource	Results/Comments
1 Data-Prep	None	None	17-Aug-2016		Camarillo	
2 HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	23-Aug-2016	0	Camarillo	
3 HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	31-Aug-2016	0	Camarillo	Post test side A & B.All pass bin1(8/31/16).
4 HTRB_Pre_Elect	105	Pass on Zero Fails	18-Aug-2016	0	Camarillo	
5 BI_BD_Valid	NA	Meet HTOL Schematics	18-Aug-2016		Camarillo	
6 HTRB_150°C_0072	105	Pass on Zero Fails	22-Aug-2016	0	Camarillo	
7 HTRB_150°C_0408	105	Pass on Zero Fails	07-Sep-2016	0	Camarillo	
8 HTS_Pre_Elect	77	Pass on Zero Fails	18-Aug-2016	0	Camarillo	
9 HTS_0168	77	Pass on Zero Fails	25-Aug-2016	0	Camarillo	
10 HTS_0500	77	Pass on Zero Fails	08-Sep-2016	0	Camarillo	
11 HTS_1000	77	Pass on Zero Fails	03-Oct-2016	0	Camarillo	
12 85/85_W/Pre_Pre Elec	20		23-Aug-2016	0	Camarillo	

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13 85°C/85%RH_BD_Valid	20	Pass on Zero Fails	23-Aug-2016	0	Camarillo
14 85/85_120hr_On/Off	20	Pass on Zero Fails	29-Aug-2016	0	Camarillo
15 Pre_Elect_Precond	154	Pass on Zero Fails	18-Aug-2016	0	Camarillo
16 Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	18-Aug-2016	0	Camarillo
17 Precond_HTS_24hr	154	Pass on Zero Fails	19-Aug-2016	0	Camarillo
18 Precond_85/85_NoElec168hr	154	Pass on Zero Fails	26-Aug-2016	0	Camarillo
19 Precond_IR_Refl_Char	154	Pass on Zero Fails	26-Aug-2016	0	Camarillo
20 T/C_Pre_Elect	77	Pass on Zero Fails	26-Aug-2016	0	Camarillo
21 T/C_wPre_0250	77	Pass on Zero Fails	01-Sep-2016	0	Camarillo
22 T/C_wPre_0500	77	Pass on Zero Fails	06-Sep-2016	0	Camarillo
23 T/C_wPre_1000	77	Pass on Zero Fails	16-Sep-2016	0	Camarillo
24 85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	26-Aug-2016	0	Camarillo
25 85°C/85%RH_BD_Valid	77	Pass on Zero Fails	29-Aug-2016	0	Camarillo
26 85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	06-Sep-2016	0	Camarillo
27 85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	19-Sep-2016	0	Camarillo
28 85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	10-Oct-2016	0	Camarillo
29 Rider_Card_Wash/Bake	18		17-Aug-2016	0	Camarillo
30 Pack_Clos	0	0	11-Oct-2016		Camarillo

3.0 Lot AER3569-wafer #2 AssemblyLot AER3569-wafer #2 DateCode 1635

Seq	TaskCode	SampleSize	Criteria	Complete	Failures	DataSource	Results/Comments
1	Data-Prep	None	None	22-Sep-2016		Camarillo	
2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	04-Oct-2016	0	Camarillo	
3	HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	07-Oct-2016	0	Camarillo	
4	HTRB_Pre_Elect	105	Pass on Zero Fails	30-Sep-2016	0	Camarillo	
5	BI_BD_Valid	NA	Meet HTOL Schematics	30-Sep-2016	0	Camarillo	
6	HTRB_150°C_0072	105	Pass on Zero Fails	03-Oct-2016	0	Camarillo	
7	HTRB_150°C_0408	105	Pass on Zero Fails	17-Oct-2016	0	Camarillo	

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8 HTS_Pre_Elect	77	Pass on Zero Fails	27-Sep-2016	0	Camarillo
9 HTS_0168	77	Pass on Zero Fails	04-Oct-2016	0	Camarillo
10 HTS_0500	77	Pass on Zero Fails	18-Oct-2016	0	Camarillo
11 HTS_1000	77	Pass on Zero Fails	08-Nov-2016	0	Camarillo
12 85/85_W/Pre_Pre Elec	20	Pass on Zero Fails	28-Sep-2016	0	Camarillo
13 85°C/85%RH_BD_Valid	20	Pass on Zero Fails	28-Sep-2016	0	Camarillo
14 85/85_120hr_On/Off	20	Pass on Zero Fails	03-Oct-2016	0	Camarillo
15 Pre_Elect_Precond	154	Pass on Zero Fails	28-Sep-2016	0	Camarillo
16 Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	28-Sep-2016	0	Camarillo
17 Precond_HTS_24hr	154	Pass on Zero Fails	29-Sep-2016	0	Camarillo
18 Precond_85/85_NoElec168hr	154	Pass on Zero Fails	06-Oct-2016	0	Camarillo
19 Precond_IR_Refl_Char	154	Pass on Zero Fails	06-Oct-2016	0	Camarillo
20 T/C_Pre_Elect	77	Pass on Zero Fails	06-Oct-2016	0	Camarillo
21 T/C_wPre_0250	77	Pass on Zero Fails	12-Oct-2016	0	Camarillo
22 T/C_wPre_0500	77	Pass on Zero Fails	17-Oct-2016	0	Camarillo
23 T/C_wPre_1000	77	Pass on Zero Fails	27-Oct-2016	0	Camarillo
24 85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	26-Oct-2016	0	Camarillo
25 85°C/85%RH_BD_Valid	77	Pass on Zero Fails	07-Oct-2016	0	Camarillo
26 85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	14-Oct-2016	0	Camarillo
27 85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	28-Oct-2016	0	Camarillo
28 85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	18-Nov-2016	0	Camarillo
29 Rider_Card_Wash/Bake			22-Sep-2016		Camarillo
30 Pack_Clos	0	0	21-Nov-2016		Camarillo

4.0	Lot AER3569-wafer #3	AssemblyLot	AER3569-wafer #3	DateCode 1635
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Seq	TaskCode	SampleSize	Criteria	Complete	Failures	DataSource	Results/Comments
1	Data-Prep	None	None	22-Sep-2016		Camarillo	
2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	04-Oct-2016	0	Camarillo	

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3 HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	14-Oct-2016	0	Camarillo
4 HTRB_Pre_Elect	105	Pass on Zero Fails	30-Sep-2016	0	Camarillo
5 BI_BD_Valid	NA	Meet HTOL Schematics	30-Sep-2016	0	Camarillo
6 HTRB_150°C_0072	105	Pass on Zero Fails	03-Oct-2016	0	Camarillo
7 HTRB_150°C_0408	105	Pass on Zero Fails	17-Oct-2016	0	Camarillo
8 HTS_Pre_Elect	77	Pass on Zero Fails	27-Sep-2016	0	Camarillo
9 HTS_0168	77	Pass on Zero Fails	04-Oct-2016	0	Camarillo
10 HTS_0500	77	Pass on Zero Fails	18-Oct-2016	0	Camarillo
11 HTS_1000	77	Pass on Zero Fails	08-Nov-2016	0	Camarillo
12 85/85_W/Pre_Pre Elec	20	Pass on Zero Fails	28-Sep-2016	0	Camarillo
13 85°C/85%RH_BD_Valid	20	Pass on Zero Fails	28-Sep-2016	0	Camarillo
14 85/85_120hr_On/Off	20	Pass on Zero Fails	03-Oct-2016	0	Camarillo
15 Pre_Elect_Precond	154	Pass on Zero Fails	28-Sep-2016	0	Camarillo
16 Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	28-Sep-2016	0	Camarillo
17 Precond_HTS_24hr	154	Pass on Zero Fails	29-Sep-2016	0	Camarillo
18 Precond_85/85_NoElec168hr	154	Pass on Zero Fails	06-Oct-2016	0	Camarillo
19 Precond_IR_Refl_Char	154	Pass on Zero Fails	06-Oct-2016	0	Camarillo
20 T/C_Pre_Elect	77	Pass on Zero Fails	06-Oct-2016	0	Camarillo
21 T/C_wPre_0250	77	Pass on Zero Fails	12-Oct-2016	0	Camarillo
22 T/C_wPre_0500	77	Pass on Zero Fails	17-Oct-2016	0	Camarillo
23 T/C_wPre_1000	77	Pass on Zero Fails	27-Oct-2016	0	Camarillo
24 85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	06-Oct-2016	0	Camarillo
25 85°C/85%RH_BD_Valid	77	Pass on Zero Fails	07-Oct-2016	0	Camarillo
26 85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	14-Oct-2016	0	Camarillo
27 85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	28-Oct-2016	0	Camarillo
28 85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	18-Nov-2016	0	Camarillo
29 Pack_Clos	0	0	21-Nov-2016		Camarillo