



PRODUCT CHANGE NOTIFICATION

PCN-000574

Date: 12JUL2019

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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
- 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: RClamp1851ZATFT	Part Number(s) Affected: <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 wafer fabrication facility and a second assembly facility have been brought on line that duplicates our current wafer and assembly manufacturing processes.

a. Additional Wafer Fabrication Capacity – “San Antonio, Fab 9”, San Antonio, TX USA
 b. 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	12OCT2019	Work Week	Pending 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:

a. Qualification Report – Tower Texas & 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>

RCLAMP1851ZA NEW DEVICE QUAL

Semtech Job#	6313
Accepted Date	03-20-2017
Part Number	RClamp1851ZA
Job Type	New Product on qualified process and qualified package
Business Unit	Protection
Package Type	SLP0603P2X3F
Package Lead	2
Assembly Designator	Huatian Kunshan
Master Process	PALM E
Fab Designator	Tower Texas
Rel Job Status	Rel Testing Complete Passes All Requirements

Completed Tasks

Sub Lot #	Part	Lot	Assembly Lot	Date Code	
2	RCLAMP1851ZA	SZ170216007-R08	SZ170216007-R08/ AER-003926	1708	
Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual
1	Data-Prep	None	None	0	03-14-2017
2	HTRB_Pre_Elect_150°C_RT24	105	Pass on Zero Fails	0	03-22-2017
3	HTRB_150°C_Real Time_0024	105	Pass on Zero Fails	0	03-27-2017
4	HTRB_Pre_Elect	105	Pass on Zero Fails	0	03-16-2017
5	BI_BD_Valid	NA	Meet HTOL Schematics	0	03-16-2017
6	HTRB_150°C_0072	105	Pass on Zero Fails	0	03-17-2017
7	HTRB_150°C_0408	105	Pass on Zero Fails	0	03-20-2017
8	HTS_Pre_Elect	77	Pass on Zero Fails	0	03-16-2017
9	HTS_0168	77	Pass on Zero Fails	0	03-16-2017
10	HTS_0500	77	Pass on Zero Fails	0	03-23-2017
11	HTS_1000	77	Pass on Zero Fails	0	04-11-2017
12	85/85_W/Pre_Pre Elec	77	Pass on Zero Fails	0	03-16-2017

Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual
13	85°C/85%RH_BD_Valid	105	Pass on Zero Fails	0	03-16-2017
14	85/85_120hr_On/Off	20	Pass on Zero Fails	0	03-22-2017
15	Pre_Elect_Precond	154	Pass on Zero Fails	0	03-15-2017
16	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	0	03-15-2017
17	Precond HTS_24hr	154	Pass on Zero Fails	0	03-15-2017
18	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	0	03-16-2017
19	Precond_IR_Refl_Char	154	Pass on Zero Fails	0	03-24-2017
20	T/C_Pre_Elect	77	Pass on Zero Fails	0	03-24-2017
21	T/C_wPre_0250	77	Pass on Zero Fails	0	03-24-2017
22	T/C_wPre_0500	77	Pass on Zero Fails	0	03-30-2017
23	T/C_wPre_1000	77	Pass on Zero Fails	0	04-04-2017
24	Cross_Section TC 1000 Cyc	15	Pass on Zero Fails	0	04-18-2017
25	85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	0	03-24-2017
26	85°C/85%RH_BD_Valid	105	Pass on Zero Fails	0	03-27-2017
27	85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	0	03-27-2017
28	85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	0	04-03-2017
29	85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	0	04-18-2017
30	Cross_Section 85°C/85%RH	15	Pass on Zero Fails		05-08-2017
31	Rider_Card_Wash/Bake	154	Pass on Zero Fails	0	03-14-2017
32	Pack_Clos	0	0	0	10-09-2018