



PRODUCT CHANGE NOTIFICATION

PCN-000520

Date: 9MAR2019

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: SRDA05-4.TBT SRDA12-4.TBT SRDA3.3-4.TBT	Customer Part Number(s) Affected: <input checked="" type="checkbox"/> N/A
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Description, Purpose and Effect of Change:

As part of Semtech's ongoing efforts to add manufacturing capacity, Semtech is adding an additional assembly site for the following Semtech parts, which will now include assembly at Huatian Tianshui.
As part of this PCN Semtech will be moving to supporting only the "TLT" tape and reel size: 3,000 parts per 13" reel.

Current [500 parts per 7" reel]	New [3,000 parts per 13" reel]
SRDA05-4.TBT	SRDA05-4.TLT
SRDA12-4.TBT	SRDA12-4.TLT
SRDA3.3-4.TBT	SRDA3.3-4.TLT

"TBT" tape and reel size: 500 parts per 7" reel, will be phased out of production over the next 12 months.

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	New Revision or Date	<input checked="" type="checkbox"/> N/A

Impact to Performance, Characteristics or Reliability:


a. There is no impact to form/fit/function or reliability of the part.

Implementation Date	9JUN2019	Work Week	TBD
Last Time Ship (LTS) Of unchanged product	JUN2020	Affecting Lot No. / Serial No. (SN)	N/A
Sample Availability	Immediate	Qualification Report Availability	Attached

Supporting Documents for Change Validation/Attachments:

- Reliability Report: #6533

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>

HUATIAN TIANSHUI PKG/ASS QUAL (3 LOT FOR 3 VOLTAGE)

Semtech Job#	6533
Accepted Date	11-27-2017
Part Number	SRDA3.3-4/ SRDA05-4/ SRDA12-4.TBT
Job Type	New Product on qualified process with un-qualified package
Business Unit	Protection
Package Type	SO-8
Package Lead	8
Assembly Designator	Huatian Tianshui
Master Process	14 Process TVS
Fab Designator	ASMC14TVS
Rel Job Status	Rel Testing Complete Passes All Requirements

Completed Tasks

Sub Lot #	Part	Lot	Assembly Lot	Date Code			
1	SRDA3.3-4	AER4565	AER4565	1746			
Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual	Task Off Actual	Comments
1	Data-Prep	None	None				
2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	0	02-05-2018	02-05-2018	
3	HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	0	02-06-2018	02-07-2018	
4	HTRB_Pre_Elect	105	Pass on Zero Fails	0	02-01-2018	02-01-2018	
5	BI_BD_Valid	NA	Meet HTOL Schematics	0	02-01-2018	02-01-2018	
6	HTRB_150°C_0072	105	Pass on Zero Fails	0	02-02-2018	02-05-2018	
7	HTRB_150°C_0408	105	Pass on Zero Fails	0	02-05-2018	02-05-201	
8	HTS_Pre_Elect	77	Pass on Zero Fails	0	02-01-2018	02-01-2018	
9	HTS_0168	77	Pass on Zero Fails	0	02-01-2018	02-08-2018	
10	HTS_0500	77	Pass on Zero Fails	0	02-08-2018	02-22-2018	
11	HTS_1000	77	Pass on Zero Fails	0	02-22-2018	03-15-2018	
12	85°C/85%RH_N/Pre_Pre Elec	20	Pass with 0 fail	0	02-02-2018	02-02-2018	
13	85°C/85%RH_BD_Valid	20	Pass on Zero Fails	0	02-02-2018	02-02-2018	
14	85/85_120hr_On/Off	20	Pass on Zero Fails	0	02-02-2018	02-07-2018	
15	Pre_Conditioning_Level_1	NA	MSL 1	0	02-02-2018	02-02-201	
16	Pre_Elect_Precond	154	Pass on Zero Fails	0	01-31-2018	01-31-2018	
17	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	0	01-31-2018	01-31-2018	
18	Precond_HTS_24hr	154	Pass on Zero Fails	0	01-31-2018	02-01-2018	
19	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	0	02-01-2018	02-08-2018	
20	Precond_260°C_IR_Ref_Char	154	Pass on Zero Fails	0	02-08-2018	02-08-2018	
21	T/C_Pre_Elect	77	Pass on Zero Fails	0	02-08-2018	02-08-2018	
22	T/C_wPre_0250	77	Pass on Zero Fails	0	02-08-2018	02-14-2018	
23	T/C_wPre_0500	77	Pass on Zero Fails	0	02-14-2018	02-20-2018	
24	T/C_wPre_1000	77	Pass on Zero Fails	0	02-20-2018	03-01-2018	

Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual	Task Off Actual	Comments
25	Cross_Section TC 1000 Cyc	5	Pass on Zero Fails	0	03-01-2018	03-01-2018	
26	85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	0	02-08-2018	02-08-2018	
27	85°C/85%RH_BD_Valid	77	Pass on Zero Fails	0	02-09-2018	02-09-2018	
28	85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	0	02-09-2018	02-16-2018	
29	85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	0	02-16-2018	03-02-2018	
30	85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	0	03-02-2018	03-23-2018	
31	Cross_Section 85°C/85%RH	5	Pass on Zero Fails	0	03-23-2018	03-23-2018	
32	CSAM Analysis	22	Pass on Zero Fails	0	03-06-2018	03-06-2018	
33	Precond_Temp_Cyc_5cyc	22	Pass on Zero Fails	0	03-06-2018	03-06-2018	
34	Precond_HTS_24hr	22	Pass on Zero Fails	0	03-07-2018	03-08-2018	
35	Precond_85/85_NoElec168hr	22	Pass on Zero Fails	0	03-15-2018	03-15-2018	
36	Precond_260°C_IR_Ref_Char	224	Pass on Zero Fails	0	03-15-2018	03-15-2018	
37	CSAM Analysis	22	Pass on Zero Fails	0	03-15-2018	03-15-2018	
38	Construct_Package	5 unique package devices minimum.	No Major Findings, Q&R to review construction analysis report.	0	02-26-2018	02-26-2018	
39	Rider_Card_Wash/Bake	154	Pass on Zero Fails	0	01-30-2018	01-30-2018	
40	Pack_Clos	0	0				

Sub Lot #	Part	Lot	Assembly Lot	Date Code
2	SRDA05-4	AER4566	AER4566	1746

Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual	Task Off Actual	Comments
1	Data-Prep	None	None				
2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	0	02-06-2018	02-06-2018	
3	HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	0	02-06-2018	02-08-2018	
4	HTRB_Pre_Elect	105	Pass on Zero Fails	0	02-01-2018	02-01-2018	
5	BI_BD_Valid	NA	Meet HTOL Schematics	0	02-01-2018	02-01-2018	
6	HTRB_150°C_0072	105	Pass on Zero Fails	0	02-02-2018	02-05-2018	

Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual	Task Off Actual	Comments
7	HTRB_150°C_0408	105	Pass on Zero Fails	0	02-05-2018	02-22-2018	
8	HTS_Pre_Elect	77	Pass on Zero Fails	0	02-01-2018	02-01-2018	
9	HTS_0168	77	Pass on Zero Fails	0	02-01-2018	02-08-2018	
10	HTS_0500	77	Pass on Zero Fails	0	02-08-2018	02-22-2018	
11	HTS_1000	77	Pass on Zero Fails	0	02-22-2018	03-15-2018	
12	85°C/85%RH_N/Pre_Pre Elec	20	Pass with 0 fail	0	02-02-2018	02-02-2018	
13	85°C/85%RH_BD_Valid	20	Pass on Zero Fails	0	02-02-2018	02-02-2018	
14	85/85_120hr_On/Off	20	Pass on Zero Fails	0	02-02-2018	02-07-2018	
15	Pre_Conditioning_Level_1	NA	MSL 1	0	02-07-2018	02-07-2018	
16	Pre_Elect_Precond	154	Pass on Zero Fails	0	01-31-2018	01-31-2018	
17	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	0	01-31-2018	01-31-2018	
18	Precond_HTS_24hr	154	Pass on Zero Fails	0	01-31-2018	02-01-2018	
19	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	0	02-01-2018	02-08-2018	
20	Precond_260°C_IR_Ref_Char	154	Pass on Zero Fails	0	02-08-2018	02-08-2018	
21	T/C_Pre_Elect	77	Pass on Zero Fails	0	02-08-2018	02-08-2018	
22	T/C_wPre_0250	77	Pass on Zero Fails	0	02-08-2018	02-14-2018	
23	T/C_wPre_0500	77	Pass on Zero Fails	0	02-14-2018	02-20-2018	
24	T/C_wPre_1000	77	Pass on Zero Fails	0	02-20-2018	03-01-2018	
25	Cross_Section TC 1000 Cyc	5	Pass on Zero Fails	0	03-01-2018	03-01-2018	
26	85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	0	02-08-2018	02-08-2018	
27	85°C/85%RH_BD_Valid	77	Pass on Zero Fails	0	02-09-2018	02-09-2018	
28	85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	0	02-09-2018	02-16-2018	
29	85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	0	02-16-2018	03-02-2018	
30	85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	0	03-02-2018	03-23-2018	
31	Cross_Section 85°C/85%RH	5	Pass on Zero Fails	0	03-23-2018	03-23-2018	
32	CSAM Analysis	22	Pass on Zero Fails	0	03-06-2018	03-06-2018	
33	Precond_Temp_Cyc_5cyc	22	Pass on Zero Fails	0	03-06-2018	03-06-2018	
34	Precond_HTS_24hr	22	Pass on Zero Fails	0	03-07-2018	03-07-2018	
35	Precond_85/85_NoElec168hr	22	Pass on Zero Fails	0	03-15-2018	03-15-2018	
36	Precond_260°C_IR_Ref_Char	22	Pass on Zero Fails	0	03-15-2018	03-15-2018	
37	CSAM Analysis	22	Pass on Zero Fails	0	03-15-2018	03-15-2018	
38	Rider_Card_Wash/Bake	154	Pass on Zero Fails	0	01-30-2018	01-30-2018	
39	Pack_Clos	0	0	0	03-24-2018	03-24-2018	

Sub Lot #	Part	Lot	Assembly Lot	Date Code			
3	SRDA12.4	AER4567	AER4567	1746			
Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual	Task Off Actual	Comments
1	Data-Prep	None	None				
2	HTRB_Pre_Elect_150°C_RT24	210	Pass on Zero Fails	0	02-13-2018	02-13-2018	
3	HTRB_150°C_Real Time_0024	210	Pass on Zero Fails	0	10-01-2018	10-01-2018	
4	HTRB_Pre_Elect	105	Pass on Zero Fails	0	02-06-2018	02-06-2018	
5	BI_BD_Valid	NA	Meet HTOL Schematics	0	02-06-2018	02-06-2018	
6	HTRB_150°C_0072	105	Pass on Zero Fails	0	02-09-2018	02-12-2018	
7	HTRB_150°C_0408	105	Pass on Zero Fails	0	02-12-2018	02-26-2018	
8	HTS_Pre_Elect	77	Pass on Zero Fails	0	02-07-2018	02-07-2018	
9	HTS_0168	77	Pass on Zero Fails	0	02-07-2018	02-21-2018	
10	HTS_0500	77	Pass on Zero Fails	0	02-21-2018	02-28-2018	
11	HTS_1000	77	Pass on Zero Fails	0	02-28-2018	03-21-2018	
12	85°C/85%RH_N/Pre_Pre Elec	20	Pass with 0 fail	0	02-13-2018	02-13-2018	
13	85°C/85%RH_BD_Valid	20	Pass on Zero Fails	0	02-13-2018	02-13-2018	
14	85/85_120hr_On/Off	20	Pass on Zero Fails	0	02-13-2018	02-20-2018	
15	Pre_Conditioning_Level_1	NA	MSL 1	0	02-07-2018	02-07-2018	
16	Pre_Elect_Precond	154	Pass on Zero Fails	0	02-07-2018	02-07-2018	
17	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	0	02-07-2018	02-07-2018	
18	Precond_HTS_24hr	154	Pass on Zero Fails	0	02-07-2018	02-08-2018	
19	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	0	02-08-2018	02-15-2018	
20	Precond_260°C_IR_Ref_Char	154	Pass on Zero Fails	0	02-15-2018	02-15-2018	
21	T/C_Pre_Elect	77	Pass on Zero Fails	0	02-15-2018	02-15-2018	
22	T/C_wPre_0250	77	Pass on Zero Fails	0	02-15-2018	02-21-2018	
23	T/C_wPre_0500	77	Pass on Zero Fails	0	02-21-2018	02-26-2018	
24	T/C_wPre_1000	77	Pass on Zero Fails	0	02-26-2018	03-08-2018	
25	Cross_Section TC 1000 Cyc	5	Pass on Zero Fails	0	03-08-2018	03-08-2018	
26	85°C/85%RH_W/Pre_Pre Elec	77	Pass on Zero Fails	0	02-15-2018	02-15-2018	
27	85°C/85%RH_BD_Valid	77	Pass on Zero Fails	0	02-15-2018	02-15-2018	
28	85°C/85%RH_Biased_168hrs	77	Pass on Zero Fails	0	02-20-2018	02-27-2018	
29	85°C/85%RH_Biased_500hrs	77	Pass on Zero Fails	0	02-27-2018	03-14-2018	
30	85°C/85%RH_Biased_1000hrs	77	Pass on Zero Fails	0	03-14-2018	04-03-2018	
31	Cross_Section 85°C/85%RH	5	Pass on Zero Fails	0	04-03-2018	04-03-2018	
32	CSAM Analysis	22	Pass on Zero Fails	0	03-06-2018	03-06-2018	

Task#	Task Code	Sample Size	Criteria	Failures	Task On Actual	Task Off Actual	Comments
33	Precond_Temp_Cyc_5cyc	22	Pass on Zero Fails	0	03-06-2018	03-06-2018	
34	Precond_HTS_24hr	22	Pass on Zero Fails	0	03-08-2018	03-08-2018	
35	Precond_85/85_NoElec168hr	22	Pass on Zero Fails	0	03-15-2018	03-15-201	
36	Precond_260°C_IR_Ref_Char	22	Pass on Zero Fails	0	03-15-2018	03-15-2018	
37	CSAM Analysis	22	Pass on Zero Fails	0	03-15-201	03-15-2018	
38	Rider_Card_Wash/Bake	154	154	0	02-06-2018	02-06-2018	
39	Pack_Clos	0	0		04-04-2018	04-04-2018	