
Change Notification

Process Change Notification #: PCN-000215

Originally Issued: 01/15/2014

R2 Date Issued: **04/05/2014**

Semtech has reissued this PCN due to a typographical error in the copper wire dimensions. Our supplier qualified the 0.8 mil copper wire not the 1.8 mil copper wire originally listed. We apologize for the confusion. All other stipulations and conditions of change still apply.

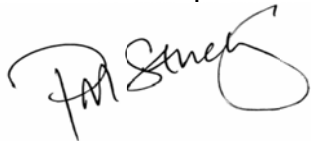
Semtech Corporation is providing this Change Notification to our customers notifying the qualification of copper wire bonding at our assembly & test supplier. This change affects the following product.

- RClamp0502B.TCT

Semtech's Change Evaluation Team has classified this change as major. Specifically, the supplier Diodes has qualified 0.8 mil copper wire to replace 0.8 mil gold wire. This will result in no change to form, fit, function, and reliability or datasheet specifications. Semtech has completed reliability testing of this part number and it meets Semtech's reliability requirements. Semtech's qualification was completed on Nov 22, 2013. (Ref: Reliability Test Report # 5620).

It is Semtech's intention to fully implement this change to the aforementioned products no later than April 15, 2014 pursuant to the notification guidelines of JEDEC 46. After which; aforementioned products will only be offered with copper wire when existing inventories manufactured with gold wire are depleted. Copper wire samples are currently available.

If you wish to acquire samples, please do not hesitate to contact your local Semtech sales representative. The samples will be available now. If you have any questions regarding our qualification requirements, do not hesitate to give me a call.



Pat Sanchez
Manager, Corporate Quality
200 Flynn Road
Camarillo, CA 93012
psanchez@semtech.com
Office: (805) 480-2074
Fax: (805) 498-3804

Rel Job Detail Report

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

Businessunit	Protection			
Reljob#	Part_Number, Job Name/Type	Fab, Package	Rel Job Status	Key Dates:
5620	RClamp0502B	ASMC11TVS	Rel Testing Complete Passes All Requirements	<i>Job Accepted:</i> 17-Jul-2013
	Package Qual. (Cu wire)	SC75 (SOT-523)		<i>Requested CD:</i>
	New Product on qualified process with un-qualified package			<i>Actual Start Date:</i> 17-Jul-2013
				<i>ECD for Conditional:</i>
				<i>Job ECD:</i> 22-Nov-2013

Completed Tasks

1.0	Lot	AER1209	AssemblyLot	AER1209	DateCode	1327		
Seq	TaskCode	SampleSize	Criteria	Complete	Failures	DataSource	Results/Comments	
1	Data-Prep	None	None	26-Jul-2013		Camarillo		
2	HTRB_Pre_Elect_150°C_RT24	105		08-Aug-2013	0	Camarillo		
3	HTRB_150°C_Real Time_0024	105	Pass on Zero Fails	30-Aug-2013	0	Camarillo		
4	HTRB_Pre_Elect	105	Pass on Zero Fails	30-Jul-2013	0	Camarillo		
5	BI_BD_Valid	NA	Meet HTOL Schematics	30-Jul-2013	0	Camarillo		
6	HTRB_150°C_0072	105	Pass on Zero Fails	02-Aug-2013	0	Camarillo		
7	HTRB_150°C_0408	105	Pass on Zero Fails	16-Aug-2013	0	Camarillo		
8	HTS_Pre_Elect	77	Pass on Zero Fails	29-Jul-2013	0	Camarillo		
9	HTS_0168	77	Pass on Zero Fails	05-Aug-2013	0	Camarillo		
10	HTS_0500	77	Pass on Zero Fails	19-Aug-2013	0	Camarillo		
11	HTS_1000	77	Pass on Zero Fails	09-Sep-2013	0	Camarillo		
14	Pre_Elect_Precond	154	Pass on Zero Fails	31-Jul-2013	0	Camarillo		
15	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	31-Jul-2013	0	Camarillo		
16	Precond_HTS_24hr	154	Pass on Zero Fails	01-Aug-2013	0	Camarillo		
17	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	08-Aug-2013	0	Camarillo		

Rel Job Detail Report

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

18 Precond_260°C_IR_Ref_Char	154	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
19 T/C_Pre_Elect	77	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
20 T/C_wPre_0250	77	Pass on Zero Fails	14-Aug-2013	0	Camarillo	
21 T/C_wPre_0500	77	Pass on Zero Fails	20-Aug-2013	0	Camarillo	
22 T/C_wPre_1000	77	Pass on Zero Fails	29-Aug-2013	0	Camarillo	
23 HAST Pre_Elect	77	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
24 HAST_wPRE_0200	77	Pass on Zero Fails	19-Aug-2013	0	Camarillo	
25 Construct_Package	5 unique packaged devices minimum.	No Major Findings, Q&R to review construction analysis report.	29-Jul-2013	0	Camarillo	FA-001701
26 CSAM Analysis	23	Pass on Zero Fails	07-Aug-2013	0	Camarillo	
27 Precond_Temp_Cyc_5cyc	23	Pass on Zero Fails	07-Aug-2013	0	Camarillo	
28 Precond_HTS_24hr	23	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
29 Precond_85/85_NoElec168hr	23	Pass on Zero Fails	15-Aug-2013	0	Camarillo	
30 Precond_260°C_IR_Ref_Char	23	Pass on Zero Fails	15-Aug-2013	0	Camarillo	
31 CSAM Analysis		Pass on Zero Fails	16-Aug-2013	0	Camarillo	
32 Pack_Clos	0	0	10-Sep-2013		Camarillo	

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Contact: Gurmail Sajjan
(805) 480 2142
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2.0	Lot	AER1210	AssemblyLot	AER1210	DateCode	1327		
	Seq	TaskCode	SampleSize	Criteria	Complete	Failures	DataSource	Results/Comments
	1	Data-Prep	None	None	26-Jul-2013		Camarillo	
	2	HTRB_Pre_Elect_150°C_RT24	105		08-Aug-2013	0	Camarillo	
	3	HTRB_150°C_Real Time_0024	105	Pass on Zero Fails	30-Aug-2013	0	Camarillo	
	4	HTRB_Pre_Elect	105	Pass on Zero Fails	30-Jul-2013	0	Camarillo	
	5	BI_BD_Valid	NA	Meet HTOL Schematics	30-Jul-2013	0	Camarillo	
	6	HTRB_150°C_0072	105	Pass on Zero Fails	02-Aug-2013	0	Camarillo	
	7	HTRB_150°C_0408	105	Pass on Zero Fails	16-Aug-2013	0	Camarillo	
	8	HTS_Pre_Elect	77	Pass on Zero Fails	29-Jul-2013	0	Camarillo	
	9	HTS_0168	77	Pass on Zero Fails	05-Aug-2013	0	Camarillo	
	10	HTS_0500	77	Pass on Zero Fails	19-Aug-2013	0	Camarillo	
	11	HTS_1000	77	Pass on Zero Fails	09-Sep-2013	0	Camarillo	
	13	Pre_Elect_Precond	154	Pass on Zero Fails	31-Jul-2013	0	Camarillo	
	14	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	31-Jul-2013	0	Camarillo	
	15	Precond_HTS_24hr	154	Pass on Zero Fails	01-Aug-2013	0	Camarillo	
	16	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
	17	Precond_IR_Refl_Char	154	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
	18	T/C_Pre_Elect	77	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
	19	T/C_wPre_0250	77	Pass on Zero Fails	14-Aug-2013	0	Camarillo	
	20	T/C_wPre_0500	77	Pass on Zero Fails	20-Aug-2013	0	Camarillo	
	21	T/C_wPre_1000	77	Pass on Zero Fails	29-Aug-2013	0	Camarillo	
	22	HAST_Pre_Elect	77	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
	23	HAST_wPRE_0200	77	Pass on Zero Fails	19-Aug-2013	0	Camarillo	
	24	Pack_Clos	0	0	10-Sep-2013		Camarillo	

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Contact: Gurmail Sajjan
(805) 480 2142
gsajjan@semtech.com

3.0	Lot	AER1211	AssemblyLot	AER1211	DateCode	1327	
Seq	TaskCode	SampleSize	Criteria	Complete	Failures	DataSource	Results/Comments
1	Data-Prep	None	None	26-Jul-2013		Camarillo	
2	HTRB_Pre_Elect_150°C_RT24	105		08-Aug-2013	0	Camarillo	
3	HTRB_150°C_Real Time_0024	105	Pass on Zero Fails	03-Sep-2013	0	Camarillo	
4	HTRB_Pre_Elect	105	Pass on Zero Fails	30-Jul-2013	0	Camarillo	
5	BI_BD_Valid	NA	Meet HTOL Schematics	30-Jul-2013	0	Camarillo	
6	HTRB_150°C_0072	105	Pass on Zero Fails	02-Aug-2013	0	Camarillo	
7	HTRB_150°C_0408	105	Pass on Zero Fails	16-Aug-2013	0	Camarillo	
8	HTS_Pre_Elect	77	Pass on Zero Fails	29-Jul-2013	0	Camarillo	
9	HTS_0168	77	Pass on Zero Fails	05-Aug-2013	0	Camarillo	
10	HTS_0500	77	Pass on Zero Fails	19-Aug-2013	0	Camarillo	
11	HTS_1000	77	Pass on Zero Fails	09-Sep-2013	0	Camarillo	
13	Pre_Elect_Precond	154	Pass on Zero Fails	31-Jul-2013	0	Camarillo	
14	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	31-Jul-2013	0	Camarillo	
15	Precond_HTS_24hr	154	Pass on Zero Fails	01-Aug-2013	0	Camarillo	
16	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
17	Precond_IR_Refl_Char	154	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
18	T/C_Pre_Elect	77	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
19	T/C_wPre_0250	77	Pass on Zero Fails	14-Aug-2013	0	Camarillo	
20	T/C_wPre_0500	77	Pass on Zero Fails	20-Aug-2013	0	Camarillo	
21	T/C_wPre_1000	77	Pass on Zero Fails	29-Aug-2013	0	Camarillo	
22	HAST_Pre_Elect	77	Pass on Zero Fails	08-Aug-2013	0	Camarillo	
23	HAST_wPRE_0200	77	Pass on Zero Fails	19-Aug-2013	0	Camarillo	
24	Pack_Clos	0	0	10-Sep-2013		Camarillo	