
Change Notification

Process Change Notification #: PCN-000193

Date Issued: **1/6/2014**

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.

- Rclamp0502BATCT

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 September, 13 2013. (Ref: Reliability test report # 5568).

It is Semtech's intention to implement this change to the aforementioned product April 6, 2014 pursuant to the notification guidelines of JEDEC 46. 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.



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Rel Job Detail Report

by Sublot, by Sequence
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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>
5568	RClamp0502BA	ASMC21 TVS	Rel Testing Complete Passes All Requirements	<i>Job Accepted:</i> 03-Jun-2013
	SC70 3-Lead pkg w/ Eutectic & 0.8 mil Cu wir	SC-70		<i>Requested CD:</i>
	New Product on qualified process with un-qualified package			<i>Actual Start Date:</i> 31-May-2013
				<i>ECD for Conditional:</i>
				<i>Job ECD:</i> 11-Sep-2013

Completed Tasks

<i>I.O</i>	<i>Lot</i>	<i>AssemblyLot</i>	<i>DateCode</i>				
	GDA097200A	AER-001118	1321				
<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	31-May-2013	0	Camarillo	
2	HTRB_Pre_Elect_150°C_RT24	105	Pass on Zero Fails	17-Jun-2013	0	Camarillo	
3	HTRB_150°C_Real Time_0024	105	Pass on Zero Fails	28-Jun-2013	0	Camarillo	
4	HTRB_Pre_Elect	105	Pass on Zero Fails	01-Jun-2013	0	Camarillo	
5	BI_BD_Valid	NA	Meet HTOL Schematics	04-Jun-2013	0	Camarillo	
6	HTRB_150°C_0072	105	Pass on Zero Fails	12-Jun-2013	0	Camarillo	
7	HTRB_150°C_0408	105	Pass on Zero Fails	24-Jun-2013	0	Camarillo	
8	HTS_Pre_Elect	77	Pass on Zero Fails	01-Jun-2013	0	Camarillo	
9	HTS_0168	77	Pass on Zero Fails	11-Jun-2013	0	Camarillo	
10	HTS_0500	77	Pass on Zero Fails	24-Jun-2013	0	Camarillo	
11	HTS_1000	77	Pass on Zero Fails	15-Jul-2013	0	Camarillo	
12	Pre_Conditioning_Level_1	NA	MSL 1	11-Jun-2013	0	Camarillo	
13	Rider_Card_Wash/Bake	154	NA	01-Jun-2013	0	Camarillo	
14	Pre_Elect_Precond	154	Pass on Zero Fails	07-Jun-2013	0	Camarillo	
15	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	13-Jun-2013	0	Camarillo	

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16 Precond_HTS_24hr	154	Pass on Zero Fails	14-Jun-2013	0	Camarillo	
17 Precond_85/85_NoElec168hr	154	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
18 Precond_260°C_IR_Ref_Char	154	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
19 T/C_Pre_Elect	77	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
20 T/C_wPre_0250	77	Pass on Zero Fails	27-Jun-2013	0	Camarillo	
21 T/C_wPre_0500	77	Pass on Zero Fails	03-Jul-2013	0	Camarillo	
22 T/C_wPre_1000	77	Pass on Zero Fails	12-Jul-2013	0	Camarillo	
23 HAST_Pre_Elect	77	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
24 HAST_wPRE_0200	77	Pass on Zero Fails	11-Jul-2013	0	Camarillo	
25 Construct_Package	5 unique packaged devices minimum.	No Major Findings, Q&R to review construction analysis report.	11-Sep-2013	0	Camarillo	FA-001701
26 CSAM Analysis	22	Pass on Zero Fails	13-Jun-2013	0	Camarillo	
27 Precond_Temp_Cyc_5cyc	22	Pass on Zero Fails	13-Jun-2013	0	Camarillo	
28 Precond_HTS_24hr	22	Pass on Zero Fails	14-Jun-2013	0	Camarillo	
29 Precond_85/85_NoElec168hr	22	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
30 Precond_260°C_IR_Ref_Char	22	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
31 CSAM Analysis	22	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
32 Pack_Clos	0	0	11-Sep-2013	0	Camarillo	

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2.0 Lot GDA097200A AssemblyLot AER-001119 DateCode 1321

Seq	TaskCode	SampleSize	Criteria	Complete	Failures	DataSource	Results/Comments
1	Data-Prep	None	None	31-May-2013	0	Camarillo	
2	HTRB_Pre_Elect_150°C_RT24	105	Pass on Zero Fails	17-Jun-2013	0	Camarillo	
3	HTRB_150°C_Real Time_0024	105	Pass on Zero Fails	19-Jun-2013	0	Camarillo	
4	HTRB_Pre_Elect	105	Pass on Zero Fails	01-Jun-2013	0	Camarillo	
5	HTRB_150°C_0072	105	Pass on Zero Fails	12-Jun-2013	0	Camarillo	
6	HTRB_150°C_0408	105	Pass on Zero Fails	24-Jun-2013	0	Camarillo	
7	HTS_Pre_Elect	77	Pass on Zero Fails	01-Jun-2013	0	Camarillo	
8	HTS_0168	77	Pass on Zero Fails	11-Jun-2013	0	Camarillo	
9	HTS_0500	77	Pass on Zero Fails	24-Jun-2013	0	Camarillo	
10	HTS_1000	77	Pass on Zero Fails	15-Jul-2013	0	Camarillo	
11	Rider_Card_Wash/Bake	154	NA	01-Jun-2013	0	Camarillo	
12	Pre_Elect_Precond	154	Pass on Zero Fails	07-Jun-2013	0	Camarillo	
13	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	13-Jun-2013	0	Camarillo	
14	Precond_HTS_24hr	154	Pass on Zero Fails	14-Jun-2013	0	Camarillo	
15	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
16	Precond_IR_Refl_Char	154	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
17	T/C_Pre_Elect	77	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
18	T/C_wPre_0250	77	Pass on Zero Fails	27-Jun-2013	0	Camarillo	
19	T/C_wPre_0500	77	Pass on Zero Fails	03-Jul-2013	0	Camarillo	
20	T/C_wPre_1000	77	Pass on Zero Fails	12-Jul-2013	0	Camarillo	
21	HAST_Pre_Elect	77	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
22	HAST_wPRE_0200	77	Pass on Zero Fails	12-Jul-2013	0	Camarillo	
23	BI_BD_Valid	NA	Meet HTOL Schematics	04-Jun-2013	0	Camarillo	
24	Pack_Clos	0	0	16-Jul-2013	0	Camarillo	

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3.0 Lot GDA097200A AssemblyLot AER-001120 DateCode 1321

Seq	TaskCode	SampleSize	Criteria	Complete	Failures	DataSource	Results/Comments
1	Data-Prep	None	None	31-May-2013	0	Camarillo	
2	HTRB_Pre_Elect_150°C_RT24	105	Pass on Zero Fails	17-Jun-2013	0	Camarillo	
3	HTRB_150°C_Real Time_0024	105	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
4	HTRB_Pre_Elect	105	Pass on Zero Fails	01-Jun-2013	0	Camarillo	
5	HTRB_150°C_0072	105	Pass on Zero Fails	12-Jun-2013	0	Camarillo	
6	HTRB_150°C_0408	105	Pass on Zero Fails	24-Jun-2013	0	Camarillo	
7	HTS_Pre_Elect	77	Pass on Zero Fails	01-Jun-2013	0	Camarillo	
8	HTS_0168	77	Pass on Zero Fails	11-Jun-2013	0	Camarillo	
9	HTS_0500	77	Pass on Zero Fails	24-Jun-2013	0	Camarillo	
10	HTS_1000	77	Pass on Zero Fails	15-Jul-2013	0	Camarillo	
11	Rider_Card_Wash/Bake	154	NA	01-Jun-2013	0	Camarillo	
12	Pre_Elect_Precond	154	Pass on Zero Fails	07-Jun-2013	0	Camarillo	
13	Precond_Temp_Cyc_5cyc	154	Pass on Zero Fails	13-Jun-2013	0	Camarillo	
14	Precond_HTS_24hr	154	Pass on Zero Fails	14-Jun-2013	0	Camarillo	
15	Precond_85/85_NoElec168hr	154	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
16	Precond_IR_Refl_Char	154	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
17	T/C_Pre_Elect	77	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
18	T/C_wPre_0250	77	Pass on Zero Fails	27-Jun-2013	0	Camarillo	
19	T/C_wPre_0500	77	Pass on Zero Fails	03-Jul-2013	0	Camarillo	
20	T/C_wPre_1000	77	Pass on Zero Fails	12-Jul-2013	0	Camarillo	
21	HAST_Pre_Elect	77	Pass on Zero Fails	21-Jun-2013	0	Camarillo	
22	HAST_wPRE_0200	77	Pass on Zero Fails	11-Jul-2013	0	Camarillo	
23	BI_BD_Valid	NA	Meet HTOL Schematics	04-Jun-2013	0	Camarillo	
24	Pack_Clos	0	0	16-Jul-2013	0	Camarillo	

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