



PRODUCT / PROCESS CHANGE NOTIFICATION

PCN-000302

Date: 4/29/2015

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"/> Nanotech Semiconductor, Semtech Corporation, 2 West Point Court, Bristol, United Kingdom, BS32 4PY
<input type="checkbox"/> Semtech Corpus Christi SA de CV, Carretera Matamorros Edificio 7, Reynosa, Tamaulipas, Mexico 88780
<input type="checkbox"/>

Change Details

Part Number(s) Affected: RCLAMP0502A.TCT	Customer Part Number(s) Affected: <input checked="" type="checkbox"/> N/A
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Description, Purpose and Effect of Change:
Wire bond productivity improvement – replace 2 jumper wires within package (pin 1 to 6 and pin 3 to pin 4) by hard connection in lead frame.

Change Classification	<input type="checkbox"/> Major <input checked="" 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 device performance, characteristics, application or reliability

Implementation Date	6/1/2015	Work Week	1523
Last Time Ship (LTS) Of unchanged product	7/31/2015	Affecting Lot No. / Serial No. (SN)	N/A
Sample Availability	2/23/2015	Qualification Report Availability	12/19/2014

Supporting Documents for Change Validation/Attachments:

- Test data

Issuing Authority

Semtech Business Unit:	Protection Products Group	
Semtech Contact Info:	Pat Sanchez Semtech Corporation Sr. Manager, Corporate Quality 200 Flynn Road Camarillo, CA 93012 Psanchez@semtech.com Office: (805) 480-2074 Fax: (805) 498-3804	

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

Date	L/N	Package	P/N	Wafer P/N
2014/10/29	SWR1410172	SOT666	RCLAMP0502A.TCT	SPA11003G5BAN/T
2014/10/29	SWR1410173	SOT666	RCLAMP0502A.TCT	SPA11003G5BAN/T
2014/10/29	SWR1410174	SOT666	RCLAMP0502A.TCT	SPA11003G5BAN/T
2014/10/29	SWR1410175	SOT666	RCLAMP0502A.TCT	SPA11003G5BAN/T

Wafer L/N	Wafer No	Wire	Wire Size (mil)	Compound	Mark	Input
G727060-4	37#	AU	0.8	84-1LMISR4	A	3606
G727060-4	37#	AU	0.8	84-1LMISR4	A	4002
G727060-4	37#	AU	0.8	84-1LMISR4	A	3636
G727060-4	37#	AU	0.8	84-1LMISR4	A	4091

Output	Overall Yield	Elc Yield	Major rejects			
			OPEN	SHORT	IR	VF
3604	99.94%	100.00%	2			
3947	98.63%	99.52%	30	6	18	1
3598	98.95%	99.50%	12	8	15	3
4037	98.68%	99.56%	32	4	17	1

CJ Measurement

STD Capacitor	Actual STD Capacitor Cj reading	Part Number	AER Number	Pin Select	No.	Cj Reac
					Voltage(v)	0
1pf		Rclamp0502BA	AER001978	1_3	1	
					2	
					3	
					4	
					5	

ling(pf)
5V
0.98
0.93
0.92
0.75
0.83