ON Semiconductor

Final Product/Process Change Notification

Document # : FPCN21168X
Issue Date: 8 December 2015

Title of Change:	Copper wire conversion for LA4815VH.
Proposed first ship date:	15 March 2016
Contact information:	Contact your local ON Semiconductor Sales Office or <Shinya.Okada@onsemi.com><Kazumi.Onda@onsemi.com><Takeshi2.Hoshino@onsemi.com><Naoki.Koyama@onsemi.com><Hirotada.Honma@onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office or <Jun.Hasunuma@onsemi.com>
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Satoru.Fujinuma@onsemi.com>.
Type of notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <PCN.Support@onsemi.com>.
Change Part Identification:	Affected products will be identified with date code.
Change category:	☐ Wafer Fab Change ☒ Assembly Change ☐ Test Change ☐ Other _____

Change Sub-Category(s):

☐ Manufacturing Site Change/Addition
☐ Manufacturing Process Change
☒ Material Change
☐ Product specific change
☐ Datasheet/Product Doc change
☐ Shipping/Packaging/Marking
☐ Other: _____

Sites Affected:

☐ All site(s) ☐ not applicable ☒ ON Semiconductor site(s) : ON Tarlac City, Philippines ☐ External Foundry/Subcon site(s)

Description and Purpose:

This is a Final Process Change Notification to announce the content below:

- Changing Bonding Wire from Gold to Copper.

The Product design and electrical specifications will remain identical. Reliability Qualification and full electrical characterization over temperature has been completed on the designated package qualification vehicles.

Reliability Data Summary:

QV DEVICE NAME: LB11961
PACKAGE: HSSOP14

Test	Specification	Condition	Interval	Results
HTOL	EIAJ ED-4701/100	Tj=Tjmax, Vcc=Operatingmax	1000 hrs	0/22
THB*	EIAJ ED-4701/100	85°C, 85% RH, Vcc=recommended	1000 hrs	0/22
TC*	EIAJ ED-4701/100	Ta= -65°C to +150°C	100 cyc	0/22
AC*	EIAJ ED-4701-3	Ta=121°C ,RH=100% ,205kPa	50 hrs	0/22
HTSL	EIAJ ED-4701/200	Ta= 150°C	1000 hrs	0/22
RSH	EIAJ ED-4701/300	Ta = 255°C , 10 sec (peak 260°C)	2times	0/22

Notes:
The test items with * mark are put into operation after the reflow soldering (at 255°C for 10seconds)

Electrical Characteristic Summary:
There is no change in the electrical performance. Datasheet specifications remain unchanged.

List of Affected Standard Parts:

Part Number	Qualification Vehicle
LA4815VH-TLM-H	LB11961