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## **INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION #20249**

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**Issue Date:** 04-Oct-2013

**TITLE:** Copper wire conversion and mold compound change for LA6571

**PROPOSED FIRST SHIP DATE:** 04-Feb-2014

**AFFECTED CHANGE CATEGORY(S):** Wire Bonding and Resin

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or <Naoki.Koyama@onsemi.com  
Kazumi.Onda@onsemi.com Tetsuro.Maruyama@onsemi.com>

**NOTIFICATION TYPE:**

Initial Product/Process Change Notification (IPCN)

First change notification sent to customers. IPCNs are issued at least 120 days prior to implementation of the change. An IPCN is advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.

The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN).

This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change.

**DESCRIPTION AND PURPOSE:**

This is an Initial Process Change Notification for below contents.

- 1) Gold wire connecting Chip and Lead will be changed to Copper wire.
- 2) Mold resin will be changed to Halogen-free resin suitable for Copper wire.

There is no change of the electrical characteristic specifications with this changing.

**INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION #20249****RELIABILITY DATA SUMMARY:**

Reliability Test Results:

Test Items	Test Condition	Test Time	Failure
Steady State Operating Life	Tj=Tjmax, Vcc=Operating max	1000h	0
Temperature Humidity Bias ※	Ta=85°C, RH=85%, Vcc=Recommended	1000h	0
Temperature Cycle ※	Ta=-65°C 30min. ⇔ Ta=150°C 30min.	100 Cycles	0
Pressure Cooker ※	Ta=121°C, RH=100% 2.03x10 <sup>5</sup> Pa	100h	0
High Temperature Storage	Ta=150°C	1000h	0
Resistance to Soldering heat (Reflow Soldering)	255°C, 10s (Peak 260°C)	2times	0

Note:

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

Judgment Criteria: Judgment Criteria are due to the limits of the electrical characteristics in the detail specification.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Datasheet specifications and product electrical performance will remain unchanged.

**CHANGE PART IDENTIFICATION:**

Affected products will be identified with date code.

**List of affected General Parts:**

LA6571-TLM-E