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**INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION**  
Generic Copy

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**21 Sep 2009**

**SUBJECT: ON Semiconductor Initial Product/Process Change Notification #16339**

**TITLE: Qualification of UTAC, Bangkok, Thailand for Assembly/Test DFN10-3x3 for e-Fuse Products.**

**PROPOSED FIRST SHIP DATE: 21 Jan 2010**

**AFFECTED CHANGE CATEGORY: Subcontractor Assembly/Test Site**

**AFFECTED PRODUCT DIVISION: Standard Products**

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Ed Pope <[Ed.Pope@onsemi.com](mailto:Ed.Pope@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 Product Change Notice to alert customers of the planned qualification of UTAC (United Test and Assembly Center) to assemble and test e-Fuse products in DFN10-3x3 package. UTAC will provide additional capacity to supplement ON Semiconductors current assembly and test facility located in Seremban, Malaysia. UTAC is a fully qualified to QS9000, ISO9002, and TS16949 and currently supports a variety of other ON Semiconductor packages and products. UTAC is currently qualified for the DFN10L-3x3 package and will now be qualified for the e-Fuse family of products in the DFN10L-3x3 package.



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**QUALIFICATION PLAN:**

Qualification Vehicle: NIS5132MN1TXG  
HAST @ 130C, 85%RH, 80% rated voltage for 96 hrs, 4 lots @ 84 pcs/lot  
TC @ -65C to +150C, for 1000 cycles, 4 lots @ 84 pcs/lot  
AC @ 121C, 100%RH, 15PSI for 96 hrs, 4 lots @ 84 pcs/lot  
HTOL @ 125C for 1008 hrs, 4 lots @ 84 pcs/lot  
HTGB @ 150C for 1008 hrs, 4 lots @ 84 pcs/lot  
HTSL @ 150C for 1008 hrs, 4 lots @ 84 pcs/lot

**AFFECTED DEVICE LIST:**

**PART**

NIS5132MN1TXG  
NIS5132MN2TXG  
NIS5135MN1TXG  
NIS5135MN2TXG