



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

28-Jul-2008

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #IPC16137

TITLE: Initial Notification of Qualification of Gresham Wafer Fab for NLA5223BMNR2G and NLA5223BMUR2G

PROPOSED FIRST SHIP DATE: 10-Dec-2008

AFFECTED CHANGE CATEGORY: ON Semiconductor Wafer Fab Site

AFFECTED PRODUCT DIVISION: Analog Switch

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:
Contact Sales Office or Kathleen Van Tyne <k.vantyne@onsemi.com>

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPC1)

First change notification sent to customers. IPC1s are issued at least 120 days prior to implementation of the change. An IPC1 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 (FPC1).

This IPC1 notification will be followed by a Final Product/Process Change Notification (FPC1) at least 90 days prior to implementation of the change.

DESCRIPTION AND PURPOSE:

This Initial PC1 # 16137 is to announce that ON Semiconductor will be adding wafer fabrication capability at their Gresham, Oregon facility for analog switch devices. These devices will continue to be qualified at the Tower wafer foundry (Israel). Product may begin to ship using die fabricated in the Gresham factory or the Tower foundry at the expiration of the FPC1.

The Gresham wafer fab is ISO9001:2000 compliant. Device performance will be the same among the qualified facilities. All devices will continue to be assembled and tested in existing, qualified locations. No changes to packaging will occur as a result of this capacity expansion qualification.

**Initial Product/Process Change Notification #16137****QUALIFICATION PLAN:**

Test	Conditions
High Temp Op Life(HTOL)	150C/504hrs
Pre-Conditioning (PC)	MSL 1, 260C
PC + Autoclave (PC+AC)	121C/15psig/96hrs
PC + Unbiased HAST (PC+UFAST)	130C/85%RH/96hrs/No Bias
PC + Temp Cycle (PC+TC)	-65C/+150C/500 cyc
ESD	Human Body Model /
	Machine Model
Latch Up	Dynamic Latch Up
PC + SAT	MSL 1, 260C Preconditioning
Electrical Distribution	ON Semi Spec

AFFECTED DEVICE LIST:**PART**

NLAS5223BMNR2G
NLAS5223BMUR2G