



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION #16446

Generic Copy

08-Apr-2010

TITLE: Qualification of Gresham Fab to Source Kionix C4 Devices

PROPOSED FIRST SHIP DATE: 31-Oct-2010

AFFECTED CHANGE CATEGORY(S): Wafer Fab

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Richard Tan < Richard.Tan@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:

Qualification ON Semiconductor wafer Fab (USGR1) at Gresham, Oregon to source Kionix C4 devices.

**INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION #16446****QUALIFICATION PLAN:**

Estimated Date for Qualification Completion: 07/29/2010
Samples should be available after completion of Qualification.

Qualification plan for C4 Technology

- Intrinsic Tests: to be performed on stand alone structures from three lots.
 - Electromigration
 - Hot Carrier
 - Gate Oxide Integrity
 - TDDB
 - NBTI
 - Stress Migration
- Extrinsic Level Tests: to be performed by Kionix



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION #16446

List of affected Customer Specific Parts:

19641-002-XWF
19641-004-XWF
19641-005-XWF
19947-003-XWF
19947-004-XWF
19947-006-XWF
19947-007-XWF
19947-907-EPW
20274-004-XWF
20274-005-XWF
20274-006-XWF
20274-906-EPW
20344-002-XWF
20344-003-XWF
20344-004-XWF
20344-005-XWF
20344-006-XWF
20344-906-EPW
20686-001-XWF
20686-002-XWF
20686-005-XWF
20686-900-EPW
20686-902-EPW
20686-903-EPW
20686-904-EPW
20686-905-EPW
20834-900-EPW
20849-900-EPW
20274-006-EPW
19641-900
20834-002
20834-901
20849-001