



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16490Generic Copy

Issue Date: 11-Nov-2010

TITLE: Final Notification of Transfer of Low Capacitance TVS (Transient Voltage Suppressor) Array products from ON Semiconductor COM1 Fab in Phoenix (USA) to ON Semiconductor Fab2 in Oudenaarde (Belgium).

PROPOSED FIRST SHIP DATE: 11-Feb-2011

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Fab Site

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Product Engineer Jill Daugherty
<jill.daugherty@onsemi.com>

SAMPLES: Contact Product Engineer Jill Daugherty <jill.daugherty@onsemi.com>

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Reliability/Quality Engineer Laura Rivers
< laura.rivers@onsemi.com >

NOTIFICATION TYPE:

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation of the change.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

This is the final notification announcing that ON Semiconductor is transferring Low Capacitance TVS Array products from ON Semiconductor COM1 Fab in Phoenix (USA) to ON Semiconductor Fab2 in Oudenaarde (Belgium). ON Semiconductor Fab2 is an internal factory that is TS16949 and ISO-14000 certified.

The IEC 61000-4-2 Contact ESD datasheet specification will change from $\pm 13\text{kV}$ to $\pm 8\text{kV}$ for 4 of the devices involved in this transfer: NUP4114UPXV6T1G, NUP2114UPXV5T1G, NUP2114UCMR6T1G, and NUP4114HMR6T1G. The Min VBR datasheet specification for device NUP3115UPMUTAG will change from 6.4V to 6.0V.

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16490****RELIABILITY DATA SUMMARY:****Reliability Test Results:**

Test	Conditions	Results
TC +PC	Ta= -65/150C, 1000 cyc	0/252
H3TRB +PC	Ta=85C, RH=85%, V=80% rated, 1008hrs	0/252
AC+PC	Ta=121C, RH=100%, ~14.7psig, 96 hours	0/251
IOL+PC	Ta=25C, delta TJ=100C, Ton=Toff=2min, 15000 cyc	0/252
HTSL	Ta=150C, 1008 hrs	0/252
HTRB	Ta=150C, V=80% rated, 1008 hrs	0/252
RSH	Ta=260C, 10 sec dwell	0/30

ELECTRICAL CHARACTERISTIC SUMMARY:

Available Upon Request

CHANGED PART IDENTIFICATION:

Devices with date code marking of 2 or later may be sourced from either factory



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List of affected General Parts:

NUP4114UPXV6T1G
NUP2114UCMR6T1G
NUP4114HMR6T1G
NUP3115UPMUTAG
NUP2114UPXV5T1G
NUP4114UCW1T2G
ESDR0502NMUTBG
NUP4105MUTAG
NUC2401MNTAG