



---

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

---

**16-DEC-2004**

**SUBJECT: ON Semiconductor Final Product/Process Change Notification #13853**

**TITLE: Qualification of NCS2001 on AC MOS2 Technology Platform**

**EFFECTIVE DATE: 16-Feb-2005**

**AFFECTED CHANGE CATEGORY: Wafer Process**

**AFFECTED PRODUCT DIVISION: Analog & Logic Products**

**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Representative or  
Hector Corleto <R42198@onsemi.com>

**SAMPLES:** Contact your local ON Semiconductor Sales Representative or  
Hector Corleto <R42198@onsemi.com>

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact Sales Representative or Hector Corleto <R42198@onsemi.com>

**NOTIFICATION TYPE:**

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 60 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 your local ON Semiconductor Sales Office.

**DESCRIPTION AND PURPOSE:**

This is a Final Product Change Notification to IPCN 13535 announcing the qualification of NCS2001 on the AC MOS2 Technology Platform from the current AC MOS1 Technology Platform for the benefit of increased capacity. Die fabrication will continue at the current wafer fab site, ON Semiconductor MOS7A, in Aizu, Japan. Device reliability will continue to meet or exceed ON Semiconductor standards.



**Final Product/Process Change Notification #13853**

**RELIABILITY DATA SUMMARY:**

NCS2001 is qualified by similarity to NCP1421, NCP1530 and NCP1404, as described in the qualification report 'ACMOS2 Thin Gate Qualification in MOS7A, Aizu.'

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Samples and characterization data are available upon request. No datasheet specifications are impacted with the below exception: Max Supply Voltage (Vcc to Vee) is changed from 7.0V to 6.5V Also, the typical value of Input Bias Current at 25C is changed from 10pA to 80pA.

**CHANGED PART IDENTIFICATION:**

Product with a datecode after ww08 2005 may be sourced from either ACMOS1 or ACMOS2 die.

**AFFECTED DEVICE LIST (WITHOUT SPECIALS):**

**PART**

NCS2001SN1T1  
NCS2001SN1T1G  
NCS2001SN2T1  
NCS2001SQ1T1  
NCS2001SQ1T1G  
NCS2001SQ1T2  
NCS2001SQ1T2G  
NCS2001SQ2T1  
NCS2001SQ2T2