



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION

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10-AUG-2005

SUBJECT: ON Semiconductor Final Product/Process Change Notification #14300

TITLE: Final Notification for NSEB Assembly Site for 8X8 AND 7X7 QFN 52 Pin Packages

EFFECTIVE DATE: 10-Oct-2005

AFFECTED CHANGE CATEGORY(S): Subcontractor Assembly Site

AFFECTED PRODUCT DIVISION(S): Analog Power Products

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Matt Kas <fft7yg@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Clarence Rebello <ffbwpn@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 the Final Notification announcing the Qualification of NSEB wafer assembly facility located in Bangkok, Thailand and the ON Semiconductor Test Facility in Seremban, Philippines for the assembly of 7x7 and 8x8 mm 52pin QFN packages. NSEB is certified to QS9000, ISO9002, ISO14001 and SAC level 1.

The Initial PCN regarding this change was #13270 issued Dec. 16, 2003, and is available at www.onsemi.com. This is the Final PCN for the listed devices.

The effective date of this change will be 60 days from the issuance of this PCN for the devices listed.



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RELIABILITY DATA SUMMARY:

The Reliability test results documented herein qualify the 7x7 and 8x8 mm 52 pin QFN packages at NSEB.

The packages are MSL2, 260°C.

HTB High Temp Bake 150°C for 1008 hours 80 x 3 lots

PC MSL2 Preconditioning IR at 260°C,

PC-AC PC-Autoclave 121°C/100% RH/15 PSIG for 96 hours 80 x 3 lots

PC-TC PC-Temp Cycling -65°C to +150°C; for 500 cycles 80 x 3 lots

ELECTRICAL CHARACTERISTIC SUMMARY:

Device parameters will continue to meet all Data Book specifications, and reliability will continue to meet or exceed ON Semiconductor standards. Summary is available upon Request.

CHANGED PART IDENTIFICATION:

Devices with a date code of ww39 may be manufactured at NSEB. Factory traceability will continue with standard device marking.



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AFFECTED DEVICE LIST (WITHOUT SPECIALS)

PART

NB7L111MMN
NB7L111MMNG
NB7L111MMNR2
NB7L111MMNR2G
NB7N017MMN
NB7N017MMNG
NB7N017MMNR2
NB7N017MMNR2G