



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION

Generic Copy

10-JUN-2005

SUBJECT: ON Semiconductor Final Product/Process Change Notification #14125

TITLE: Final Notification for Assembly Site Addition of NSEB for 4X4 QFN 24Pin Package

EFFECTIVE DATE: 10-Aug-2005

AFFECTED CHANGE CATEGORY(S): Subcontractor Assembly Site

AFFECTED PRODUCT DIVISION(S): ECL 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:

ON Semiconductor is pleased to announce the Qualification and Certification of the NSEB Assembly facility located in Bangkok, Thailand for 4x4 QFN packages. NSEB is QS9000, ISO9002, ISO14001, and SAC level 1 certified. The Initial PCN 13270 was issued in Dec 2003 and is available at www.onsemi.com. All qualification testing is completed and product manufactured at NSEB may begin to ship at the expiration of this notification.

This is the Final PCN for the listed devices.

Device parameters will continue to meet all Data Book specifications, and reliability will continue to meet or exceed ON Semiconductor standards.



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RELIABILITY DATA SUMMARY:

Qual vehicle: NB100LVEP17MN

Test	Conditions	Interval	Rej / SS		
			Lot A	Lot B	Lot C
HTSL High Temp Storage Life	150C	1008 hrs	0/80	0/80	0/80
PC MSL1 Preconditioning	3 IR @ 260 degC	Post MSL	0/160	0/160	0/160
TC-PC Precond. Temp Cycle	-65/+150 C	500 cyc	0/80	0/80	0/80
AC-PC Precond. Autoclave	TA = 121 C, RH = 100%, PSIG = 15	96 hrs	0/80	0/80	0/80

ELECTRICAL CHARACTERISTIC SUMMARY:

Available upon Request. Electrical Performance has not changed.

CHANGED PART IDENTIFICATION:

Product with a date code of 0536 may be manufactured at NSEB.

AFFECTED DEVICE LIST (WITHOUT SPECIALS)

PART

- NB100LVEP17MN
- NB100LVEP17MNG
- NB100LVEP17MNR2
- NB100LVEP17MNR2G
- NB100LVEP56MN
- NB100LVEP56MNG
- NB100LVEP56MNR2
- NB100LVEP56MNR2G
- NB100LVEP91MN
- NB100LVEP91MNG
- NB100LVEP91MNR2
- NB100LVEP91MNR2G