



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION # 16516

Generic Copy

Issue Date: 24-Aug-2010

TITLE: Notification of Qualification of Carsem for Assembly for 28 Lead TSSOP Wide Body Packages

PROPOSED FIRST SHIP DATE: 24-Dec-2010

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Assembly

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Eric Rupnow<e.rupnow@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Matt Kas<Matt.Kas@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:

Process Change Notice to notify customers of the capacity expansion of the ON Semiconductor assembly for 28 Lead TSSOP Wide Body Packages at Carsem located Perak, Malaysia. The devices listed on this FPCN have historically been assembled at the Amkor located in Laguna, Philippines. At the expiration of this Final PCN, these devices may be processed at either location. This is not a transfer but a capacity expansion.



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RELIABILITY DATA SUMMARY:

Reliability Test Results:

Reliability Test	Conditions	Sample Size	Rejects	Results
1. Autoclave	121°C/100%RH/2atm 168hrs	135	0	Pass
2. Temp Cycling	-65 °C to +150 °C for 500 cycles	135	0	Pass
3. Temp Cycling	-55 °C to +125 °C for 1000 cycles	231	0	Pass
4. SAT	Pre-condition 260 C, MSL 1	30	0	Pass

ELECTRICAL CHARACTERISTIC SUMMARY: N/A

CHANGED PART IDENTIFICATION: N/A



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List of affected General Parts:

PART

NB4N1158DTG
NB4N1158DTR2G
NB4N7132DTG
NB4N7132DTR2G