



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION #16578

Generic Copy

Issue Date: 10-Feb-2011

TITLE: Qualification of Vigilant Technology, Bangkok, Thailand for Assembly/Test of PDIP7/8 LD

PROPOSED FIRST SHIP DATE: 10-Jun-2011

AFFECTED CHANGE CATEGORY(S): Subcontractor Assembly/Test Location

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or <Scott.Brow@onsemi.com>

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPC�)

First change notification sent to customers. IPCNs are issued at least 120 days prior to implementation of the change. An IPCN is advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.

The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN).

This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change.

DESCRIPTION AND PURPOSE:

This is an Initial Product Change Notice to alert customers of the planned qualification of Vigilant Technology, Bangkok, Thailand, to assemble and test products in PDIP7/8 lead packages. Vigilant will provide additional capacity to supplement ON Semiconductors' current assembly and test facility located at Unisem, Batam, Indonesia. Vigilant is a currently qualified for assembly/test to run PDIP8 lead packages within ON Semiconductor.

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As there is no change in the bill of materials (BOM) from the products already qualified at Vigilant, the products will qualify by similarity to devices already running in production.

<u>Reliability Summary:</u>		Lot 1	Lot 2	Lot 3
External Visual	40X	0/237	0/237	0/237
Autoclave	121C/15PSI/100%RH/240 Hrs	0/116	0/116	0/116
Temperature Cycle	-65C/+150C, 500 Cy	0/121	0/121	0/121
Wire Bond Inspection	100-500X	0/5	0/5	0/5
Wire Pull		0/5	0/5	0/5

ELECTRICAL RESULTS:

The electrical specifications will remain identical. A full electrical characterization over temperature will be performed for each device to ensure device functionality and electrical specifications.



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List of affected General Parts:

PART

NCP1203P100G
NCP1203P60G
NCP1203P40G
NCP1200P60G
NCP1200P100G
NCP1200P40G
NCP1207APG
NCP1230P100G
NCP1230P133G
NCP1230P65G
NCP1377BPG
NCP1377PG