



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

30 Aug 2007

SUBJECT: ON Semiconductor Initial Product / Process Change Notification #16037

TITLE: Qualification of AIT, Batam, Indonesia for Assembly/Test of LQFP 52/64 LD EP

EFFECTIVE DATE: 30 Dec 2007

AFFECTED CHANGE CATEGORY: Subcontractor Assembly/Test Site

AFFECTED PRODUCT DIVISION: Standard Products

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Gregg Hooker <ffmgmr@onsemi.com>

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPCN)

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 advise customers of the planned qualification of AIT (Advanced Interconnect Technologies) to assemble and test the LQFP 52/64 lead exposed pad package. This is additional capacity to supplement the current assembly site at ASE located in Taiwan. AIT is QS9000, ISO9002 and TS16949 certified. AIT is qualified and currently assembling other packages for ON Semiconductor.


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QUALIFICATION PLAN:

Qualification Vehicles: NB100LVEP224FAG (LQFP 64EP), NB100LVEP221FAG (LQFP 52EP)

Test -----	Conditions -----	LVEP224 (LQFP 64EP)		NB100LVEP221 (LQFP 52EP)	
		# Lots -----	Samples -----	# Lots -----	Samples -----
HSTL	Ta/min 150C for 1008 Hrs	2	160	1	80
AC	121C, 100%RH, 15PSIG 96 Hrs	2	160	1	80
UHAST	131C, 85%RH, 96 Hrs	2	160	1	80
TC	-65C to +150C, 500Cyc	2	160	1	80
SAT		2	160	1	80

AFFECTED DEVICE LIST:
PART

MC100LVE222FA
 MC100LVE222FAG
 MC100LVE222FAR2
 MC100LVE222FAR2G
 NB100LVEP221FA
 NB100LVEP221FAG
 NB100LVEP221FAR2
 NB100LVEP221FARG
 NB100LVEP222FA
 NB100LVEP222FAG
 NB100LVEP222FAR2
 NB100EP223FAG
 NB100EP223FAR2G
 NB100LVEP224FA
 NB100LVEP224FAG
 NB100LVEP224FAR2
 NB100LVEP224FARG