



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

28-SEP-2005

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #15023

TITLE: Qualification of AIT, Batam, Indonesia for assembly/test of LQFP32 package

EFFECTIVE DATE: 28-Jan-2006

AFFECTED CHANGE CATEGORY: Subcontractor Assembly/Test Site

AFFECTED PRODUCT DIVISION: Analog – Logic – Ecl - Discretes

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact Sales Office or Alan Garlington <rpr180@onsemi.com>

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPCEN)

First change notification sent to customers. IPCENs are issued at least 120 days prior to implementation of the change. An IPCEN 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 IPCEN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 60 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 32 lead 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: NCP5331FTR2G (Largest Die Size) ; MC100LVEP111FAR2 (ECL Technology)

Test	Conditions	NCP5331		MC100LVEP111	
		# Lots	Samples	# Lots	Samples
HTOL	125C, 504 Hrs	1	77	0	0
PC	For AC, TC & HAST	3	693	2	320
AC	121C, 100%RH, 15PSIG 96 Hrs	3	231	2	160
HAST	130C, 85%RH, 96 Hrs	3	231	0	0
TC	-65C to +150C, 500Cyc	3	231	2	160
HTB	175C for 504 Hrs or 150C for 1008 Hrs	1	45	2	160

AFFECTED DEVICE LIST:

PART

- MC100EP016AFA
- MC100EP016AFAG
- MC100EP016AFAR2
- MC100EP016AFAR2G
- MC100EP016FA
- MC100EP016FAR2
- MC100EP101FA
- MC100EP101FAR2
- MC100EP105FA
- MC100EP105FAG
- MC100EP105FAR2
- MC100EP116FA
- MC100EP116FAR2
- MC100EP131FA
- MC100EP131FAG
- MC100EP131FAR2
- MC100EP131FAR2G
- MC100EP142FA
- MC100EP142FAG
- MC100EP142FAR2
- MC100EP195FA
- MC100EP195FAG
- MC100EP195FAR2
- MC100EP196FA
- MC100EP196FAG
- MC100EP196FAR2



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MC100EP210SFA
MC100EP210SFAG
MC100EP210SFAR2
MC100EP210SFAR2G
MC100EP445FA
MC100EP445FAG
MC100EP445FAR2
MC100EP446FA
MC100EP446FAR2
MC100EP451FA
MC100EP451FAG
MC100EP451FAR2
MC100EP451FAR2G
MC100EP809FA
MC100EP809FAG
MC100EP809FAR2
MC100EPT622FA
MC100EPT622FAR2
MC100LVE164FA
MC100LVE164FAG
MC100LVE164FAR2
MC100LVE164FAR2G
MC100LVEP111FA
MC100LVEP111FAG
MC100LVEP111FAR2
MC100LVEP111FARG
MC100LVEP210FA
MC100LVEP210FAG
MC100LVEP210FAR2
MC100LVEP210FARG
MC10EP016FA
MC10EP016FAG
MC10EP016FAR2
MC10EP016FAR2G
MC10EP101FA
MC10EP101FAG
MC10EP101FAR2
MC10EP105FA
MC10EP105FAG
MC10EP105FAR2
MC10EP105FAR2
MC10EP116FA
MC10EP116FAG
MC10EP116FAR2
MC10EP131FA
MC10EP131FAR2
MC10EP142FA
MC10EP142FAG
MC10EP142FAR2
MC10EP195FA
MC10EP195FAR2
MC10EP445FA



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MC10EP445FAR2
MC10EP446FA
MC10EP446FAR2
MC10EP451FA
MC10EP451FAG
MC10EP451FAR2
MC33680FTB
MC33680FTBR2
MC34280FTB
MC34280FTBR2
MCCS142235FAR2
NBC12429AFA
NBC12429FA
NBC12429FAG
NBC12429FAR2
NBC12429FAR2G
NBC12430AFA
NBC12430FA
NBC12430FAG
NBC12430FAR2
NBC12430FAR2G
NBC12439FA
NBC12439FAR2
NCP5314FTR2
NCP5318FTR2G
NCP5331FTR2
NCP5331FTR2G
PC100EP196FA