



Initial Product/Process Change Notification

Document #: IPCN23840XJ1

Issue Date: 23 Mar 2021

Title of Change:	Update to IPCN23840XJ-Bump Site Transfer from FCI to JCAP to include additional bill of materials
Proposed First Ship date:	08 Mar 2022 or earlier if approved by customer
Contact Information:	Contact your local ON Semiconductor Sales Office or Tammy.Olney@onsemi.com
PCN Samples Contact:	Contact your local ON Semiconductor Sales Office or < PCN.samples@onsemi.com >. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.
Type of Notification:	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an 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. In case of questions, contact < PCN.Support@onsemi.com >
Marking of Parts/ Traceability of Change:	Parts using the JCAP bump flow will be identified by a new plant code
Change Category:	Bump Site Change, Assembly Change
Change Sub-Category(s):	Manufacturing Site Transfer

Sites Affected:

ON Semiconductor Sites	External Foundry/Subcon Sites
None	Flipchip International, USA
	JCAP, China

Description and Purpose:

This is an update notification to IPCN23840XJ to inform customers on the material changes in the description.

	Before Change Description	After Change Description
Bump Site	Flipchip International, USA	JCAP, China
Structure	1P1M	1P1M
P1 Material	BCB	PI HD4100
M1 Material	AlNiVCu	Cu
Solderball Material	SAC266	SAC266

**Qualification Plan:**QV DEVICE NAME: NLAS4684FCT1G

RMS: 75752

PACKAGE: WLCSP-10

Test	Specification	Condition	Interval
TC	JESD22-A104	Ta= -40°C to +125°C	850 500 cyc
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias vinmax	96 hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C, 3x reflow	

Estimated date for qualification completion: 30 November 2021

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

Part Number	Qualification Vehicle
NLAS4684FCT1G	NLAS4684FCT1G



Appendix A: Changed Products

PCN#: IPCN23840XJ1
Issue Date: Mar 22, 2021

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NLAS4684FCT1G		NLAS4684FCT1G	NA	