



Final Product/Process Change Notification

Document #:FPCN23840XJ1

Issue Date:18 Feb 2022

Title of Change:	FPCN Bump Site Transfer from FCI to JCAP
Proposed First Ship date:	25 May 2022 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office
PCN Samples Contact:	Contact your local onsemi Sales Office. 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.
Additional Reliability Data:	Contact your local onsemi Sales Office or Rob.Travis@onsemi.com
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, 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:	Assembly Change, Bump Site Change
Change Sub-Category(s):	Manufacturing Site Transfer

Sites Affected:

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

Description and Purpose:

This Product Change Notification is to announce the Bump Site Transfer from FCI to JCAP.

	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



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Reliability Data Summary:

QV DEVICE NAME: NLAS4684FCT1G

RMS: 75752

PACKAGE: WLCSP-10

Test	Specification	Condition	Interval	Results
TC	JESD22-A104	Ta= -40°C to +125°C	850 cyc	0/77
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/77
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C, 3x reflow		

Electrical Characteristics Summary:

Electrical characteristics are not impacted.

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#: FPCN23840XJ1
Issue Date: Feb 17, 2022

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