



## Final Product/Process Change Notification

Document #:FPCN23840X11

Issue Date:18 Feb 2022

<b>Title of Change:</b>	FPCN Bump Site Transfer from FCI to JCAP
<b>Proposed First Ship date:</b>	25 May 2022 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office
<b>PCN Samples Contact:</b>	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.
<b>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:Rob.Travis@onsemi.com">Rob.Travis@onsemi.com</a>
<b>Type of Notification:</b>	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 <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>
<b>Marking of Parts/ Traceability of Change:</b>	Parts using the JCAP bump flow will be identified by a new plant code
<b>Change Category:</b>	Assembly Change, Bump Site Change
<b>Change Sub-Category(s):</b>	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



## Final Product/Process Change Notification

Document #:FPCN23840XI1

Issue Date:18 Feb 2022

### Reliability Data Summary:

QV DEVICE NAME : NCP2820FCT1G

RMS: 75833

PACKAGE: WLCSP-9

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 vinmax	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
NCP2820FCT1G	NCP2820FCT1G