



Final Product/Process Change Notification

Document #:FPCN23823X

Issue Date:17 Feb 2022

Title of Change:	Transfer OPN NLSX0102FCT1G / NLSX0102FCT2G / NLSX0102FC2T2G from FCI to JCET (turnkey for bump/FT/singulation/TnR) due to FCI closing.
Proposed First Ship date:	30 Jun 2022 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Doina.Patrascu@onsemi.com
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 ChangKit.Mok@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:	Traceability of change will be on the datecode
Change Category:	Test Change, Assembly Change
Change Sub-Category(s):	Manufacturing Site Transfer

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
onsemi Seremban, Malaysia	Flipchip International, USA
	JCAP, China

Description and Purpose:

	Before Change Description	After Change Description
Bump Site	Flipchip International, USA	JCAP, China
Structure	1P1M	1P1M
P1 Material	BCB - Benzocyclobutene	PI HD4100
M1 Material	AlNiVCu	TiCu
Test site	onsemi Seremban, Malaysia	JCAP, China

There is no product marking change as a result of this change.



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Reliability Data Summary:

QV DEVICE NAME: NLSX0102FCT1G

RMS: S80186

PACKAGE: Flip-Chip-8

Test	Specification	Condition	Interval	Results
TC + PC	JESD22-A104	Ta = -40°C to +125°C	850 cycles	0/240
HAST + PC	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hours	0/240
uHAST + PC	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hours	0/240
PC	J-STD-020 JESD-A113	3X reflow @260C	-	0/720

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
NLSX0102FC2T2G	NLSX0102FCT1G
NLSX0102FCT2G	NLSX0102FCT1G
NLSX0102FCT1G	NLSX0102FCT1G