



Initial Product/Process Change Notification

Document #: IPCN23823X

Issue Date: 09 Feb 2021

Title of Change:	Transfer OPN NLSX0102FCT1G / NLSX0102FCT2G / NLSX0102FC2T2G from FCI to JCET (turnkey for bump/FT/singulation/TnR).	
Proposed First Ship date:	31 Aug 2021 or earlier if approved by customer	
Contact Information:	Contact your local ON Semiconductor Sales Office or Doina.Patrascu@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:	Traceability of change will be on the datecode	
Change Category:	Assembly Change	
Change Sub-Category(s):	Manufacturing Site Transfer	
Sites Affected:		
ON Semiconductor Sites	External Foundry/Subcon Sites	
None	JCET, China	
Description and Purpose:		
There are no product material changes as a result of this change.		
	Before Change Description	After Change Description
Bump Location Change	Flipchip International-USA	JCET, China
Laser Marking Location Change	Flipchip International-USA	JCET, China
Reason for Change: Transfer to new manufacturing location, to support short and long term demand. There is no product marking change as a result of this change.		

**Qualification Plan:**

QV DEVICE NAME: NLSX0102FCT1G

PACKAGE: Flip-Chip-8

Test	Specification	Condition	Interval
TC + PC	JESD22-A104	Ta = -40°C to +125°C	850 cycles
HAST + PC	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hours
uHAST + PC	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hours
PC	J-STD-020 JESD-A113	3x reflow @ 260C	
SD	JSTD002	Ta = 245C, 5sec	

Estimated date for qualification completion: 20 August 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
NLSX0102FCT1G	NLSX0102FCT1G
NLSX0102FCT2G	NLSX0102FCT1G
NLSX0102FC2T2G	NLSX0102FCT1G