



Initial Product/Process Change Notification

Document #: IPCN24628X

Issue Date: 12 Apr 2022

Title of Change:	NB3RL02FCT2G Capacity Expansion into Aizu Fab.		
Proposed First Ship date:	05 Sep 2022 or earlier if approved by customer		
Contact Information:	Contact your local onsemi Sales Office or Jonathan.Bass@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.		
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:	No change in marking, after release, parts can come from either fab.		
Change Category:	Wafer Fab Change		
Change Sub-Category(s):	Manufacturing Site Addition		
Sites Affected:			
onsemi Sites		External Foundry/Subcon Sites	
onsemi Aizu, Japan		None	
Description and Purpose:			
	Before Change	After Change	
Fab Site	onsemi, Gresham	onsemi, Gresham and onsemi, Aizu	
There is no product marking change as a result of this change.			
Qualification Plan:			
QV DEVICE NAME: NB3RL02FCT2G RMS: 80925 PACKAGE: WLCSP8			
Test	Specification	Condition	Interval
HTSL	JESD22-A103	Ta= 150°C	1008 hrs
TC	JESD22-A104	Ta= -40°C to +125°C	850 cyc
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	5x reflow
Estimated date for qualification completion: 22 July 2022			



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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
NB3RL02FCT2G	NB3RL02FCT2G