



# Final Product/Process Change Notification

Document #:FPCN25339X

Issue Date:28 Mar 2023

<b>Title of Change:</b>	Adding AIZU (JND) as a second fab source for Skylight2 (NCS37014MNATWG) (ONC18 Product)	
<b>Proposed First Ship date:</b>	05 Jul 2023 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Elena.Nazyrova@onsemi.com">Elena.Nazyrova@onsemi.com</a>	
<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:Jim.Workman@onsemi.com">Jim.Workman@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>	Wafer Lot Traceability to wafer fab	
<b>Change Category:</b>	Wafer Fab Change	
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>	
onsemi Aizu, Japan	None	
<b>Description and Purpose:</b>		
Wafer site fabrication location added for dual source and capacity reasons. Same design in ONC18 technology as Gresham fabrication.		
There are no product material changes as a result of this change		
There is no product marking change as a result of this change		



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## Qualification Results

QV DEVICE NAME: 21990-907

RMS: O54629

PACKAGE: 16 QFN 3x3

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta = 125°C, VDD max	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 150°C	1008 hrs	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 3, 3x IR @ 260 °C	MSL 3	0/462
HBM	JS-001	3 ea @ 500V, 1kV, 1k5V, 2kV, 2k5V, 3kV	2kV	0/18
CDM	JESD22-C101	3 ea @ 250V, 500V, 750V, 1kV	500V	0/12
LU	JESD78	100mA, Ta = 95C	100mA	0/ 3

## 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
NCS37014MNATWG	NCS37014MNTWG