



Title of Change:	Addition of ON Semiconductor Gresham, Oregon, as wafer fab location (I3T50 technology), currently manufactured in Fab2, Oudenaarde, Belgium for the NCV70627DQ001R2G product. New OPN will be dual source wafer fab.
Proposed Changed Material First Ship Date:	30 November 2018
Current Material Last Order Date:	N/A
Current Material Last Delivery Date:	N/A
Product Category:	Active components – Integrated circuits
Contact information	Contact your local ON Semiconductor Sales Office
Samples	Contact your local ON Semiconductor Sales Office to place sample order. Sample requests are to be submitted no later than 45 days after publication of this change notification.
Sample Availability Date:	29 November 2017
PPAP Availability Date:	13 December 2017
Additional Reliability Data	Contact your local ON Semiconductor Sales Office or < Catherine.DeKeukeleire@onsemi.com >
Type of Notification	<p>This is an Initial Product/Process Change Notification (IPCN) sent to customers. IPCNs are issued at least 30 days prior to the issuance of the Final Change Notice (FPCN). 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.</p> <p>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 12 months prior to implementation of the change. In case of questions, contact <PCN.Support@onsemi.com>.</p>
Change Category	Type of Change
Process – Wafer Production	New wafer diameter
Process – Wafer Production	Move of all or part of wafer fab to a different location/site/subcontractor
Process – Wafer Production	New / change of passivation or die coating (without bare die)
Design	Design Change in Routing
Process – Wafer Production	Change in process technology (e. g. process changes like lithography, etch, oxide deposition, diffusion, die back surface preparation/backgrind, ...)
Equipment	Production from a new equipment/tool which uses a different basic technology or which due to its unique form or function can be expected to influence the integrity of the final product
Process – Assembly	Change of product marking

**Reliability Data Summary:**

DEVICE NAME: NCV70627

PACKAGE: SSOP36-EP

Test	Specification	Condition	Interval	Sample size
HTOL	JESD22-A108	Ta=125°C	1500 hours	3 x 77
ELFR	JESD22-A108	Ta=125°C	48 hours	3 x 800
HTSL	JESD22-A103	Ta= 175°C	500 hours	3 x 77
TC	JESD22-A104	Ta= -55°C to +150°C	2000 cycles	3 x 77
PTC	JESD22-A105	Ta= -40°C to +125°C	1000 cycles	1 x 45
HAST	JESD22-A110	110°C, 85% RH, 18.8psig, bias	264 hours	3 x 77
UHST	JESD22-A118	110°C, 85% RH, 18.8psig, unbiased	264 hours	3 x 77
PC	J-STD-020	MSL 2 @ 260 °C		
ESD - HBM	Q100-002	As per product specification		3 per level
ESD - CDM	Q100-011	As per product specification		3 per level
LU	Q100-004	As per product specification		6

Electrical Characteristic Summary:

Electrical characteristics are not impacted.

List of Affected Standard Parts:

Current Part Number	Dual Source Part Number	Qualification Vehicle
NCV70627DQ001R2G	NCV70627DQ002R2G-BA	0C627-600