



Title of Change:	Hydrazine elimination of ON Semiconductor Niigata Co., Ltd. (OSNC).							
Proposed First Ship date:	11 January 2019							
Contact Information:	Contact your local ON Semiconductor Sales Office or < Tetsuya.Fukushima@onsemi.com >							
Samples:	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.							
Type of Notification:	<p>This is an Initial Product/Process Change Notification (IPCN) sent to customers. IPCNs are typically issued 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 90 days prior to implementation of the change. In case of questions, contact <PCN.Support@onsemi.com></p>							
Change Part Identification:	Date Code							
Change Category:	<input checked="" type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____							
Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Site Transfer <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input checked="" type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Other: _____							
Sites Affected:	ON Semiconductor Sites: ON Niigata, Japan	External Foundry/Subcon Sites: None						
Description and Purpose:								
<p>This Initial notification announces the elimination of Hydrazine in ON Semiconductor Niigata Co., Ltd. (OSNC) Japan for parts listed in this PCN.</p> <p>The related products are transferred to a process that does not use Hydrazine on the same site in ON Semiconductor Niigata Co., Ltd. (OSNC), Japan.</p>								
<table border="1"> <thead> <tr> <th>Change Point</th> <th>Before Change Description</th> <th>After Change Description</th> </tr> </thead> <tbody> <tr> <td>Jacket layer open</td> <td>Open the polyimide mask with Hydrazine chemical.</td> <td>Open the resist mask without using Hydrazine chemical.</td> </tr> </tbody> </table>			Change Point	Before Change Description	After Change Description	Jacket layer open	Open the polyimide mask with Hydrazine chemical.	Open the resist mask without using Hydrazine chemical.
Change Point	Before Change Description	After Change Description						
Jacket layer open	Open the polyimide mask with Hydrazine chemical.	Open the resist mask without using Hydrazine chemical.						



Qualification Plan:

QV DEVICE NAME: LV8727

PACKAGE: HZIP25

Test	Specification	Condition	Interval
HTOL	JESD22-A108	Tj=150°C, 100 % max rated Vcc	1008 hrs
HTSL	JESD22-A103	Ta= 150°C	1008 hrs
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc
THB	JESD22-A101	85°C, 85% RH, bias	1008 hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig,	96 hrs
HBM	JS001	100pF,1.5kohm	-
CDM	JS002		-

List of Affected Parts:

Part Number	Qualification Vehicle
LV8732VL-TLM-H	LV8727-E
LV8732V-TLM-H	
LV8734VL-TLM-H	
LV8734V-TLM-H	
LV8735V-TLM-H	
LV8736V-TLM-H	



Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle
LV8732V-TLM-H		LV8727-E
LV8732VL-TLM-H		LV8727-E
LV8734V-TLM-H		LV8727-E
LV8734VL-TLM-H		LV8727-E
LV8735V-TLM-H		LV8727-E
LV8736V-TLM-H		LV8727-E