



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:	Samples should be available after completion of qualification. Contact your local ON Semiconductor Sales Office or <PCN.Samples@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 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):	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Manufacturing Site Change/Addition</div> <div style="width: 33%;"><input type="checkbox"/> Material Change</div> <div style="width: 33%;"><input type="checkbox"/> Datasheet/Product Doc change</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Manufacturing Process Change</div> <div style="width: 33%;"><input type="checkbox"/> Product specific change</div> <div style="width: 33%;"><input type="checkbox"/> Shipping/Packaging/Marking</div> <div style="width: 33%;"><input type="checkbox"/> Other: _____</div> </div>							
Sites Affected:	ON Semiconductor Sites: ON Niigata, Japan	External Foundry/Subcon Sites: None						
Description and Purpose: This Initial notification announces the elimination of Hydrazine in ON Semiconductor Niigata Co., Ltd. (OSNC) Japan for parts listed in this PCN. The related products are transferred to a process that does not use Hydrazine on the same site OSNC.								
	<table border="1" style="width: 100%;"> <thead> <tr style="background-color: #92d050;"> <th style="width: 15%;">Change Point</th> <th style="width: 40%;">Before Change Description</th> <th style="width: 45%;">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.
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Jacket layer open	Open the polyimide mask with Hydrazine chemical.	Open the resist mask without using Hydrazine chemical.						



Qualification Plan:

QV DEVICE NAME LV8727PACKAGE 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 Standard Parts:

Part Number	Qualification Vehicle
LV8824QA-NH	LV8727-E