ON Semiconductor®

Final Product/Process Change Notification

Document # : FPCN22290X
Issue Date: 26 September 2018

Title of Change:	Hydrazine elimination of ON Semiconductor Niigata Co., Ltd. (OSNC).
Proposed first ship date:	2 January 2019
Contact information:	Contact your local ON Semiconductor Sales Office or <Yukio.Kudo@onsemi.com>, <Katsumi.Yamamoto@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.
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Satoru.Fujinuma@onsemi.com>
Type of notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <PCN.Support@onsemi.com>
Change Part Identification:	Date Code
Change Category:	☑ Wafer Fab Change ☐ Assembly Change ☐ Test Change ☐ Other _____

Change Sub-Category(s):

- ☐ Manufacturing Site Addition
- ☐ Manufacturing Site Transfer
- ☑ Manufacturing Process Change
- ☐ Material Change
- ☐ Product specific change
- ☐ Datasheet/Product Doc change
- ☐ Shipping/Packaging/Marking
- ☐ Other: _____

Sites Affected:	ON Semiconductor Sites: ON Niigata, Japan	External Foundry/Subcon Sites: None

Description and Purpose:

This Final Notification announces the elimination of Hydrazine in ON Semiconductor Niigata Co., Ltd. (OSNC) Japan for the parts listed in this PCN.

The related products are transferred to a process that does not use Hydrazine on the same site in ON Semiconductor Niigata Co., Ltd (OSNC).

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.

Reliability Data Summary:

QV DEVICE NAME : LV8727-E
PACKAGE : HZIP25

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/77
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/77
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77

Note:

Judgment Criteria are due to the limits of the electrical characteristics in the detail specification.

Electrical Characteristic Summary:

There is no change in the electrical performance. Datasheet specifications remain unchanged.

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