



Final Product/Process Change Notification

Document #: FPCN23430XA

Issue Date: 17 Jul 2020

Title of Change:	HDJ4 1.2um BCDMOS Process Cross Qualification from Bucheon, Korea 6" to S. Portland Maine 8".
Proposed First Ship date:	24 Oct 2020 or earlier if approved by customer
Contact Information:	Contact your local ON Semiconductor Sales Office or Taehwan.Lee@onsemi.com
PCN Samples Contact:	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. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Jacob.Saliba@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
Marking of Parts/ Traceability of Change:	The date code will be after WW41,2020
Change Category:	Wafer Fab Change
Change Sub-Category(s):	Manufacturing Site Addition

Sites Affected:

ON Semiconductor Sites	External Foundry/Subcon Sites
ON Semiconductor Bucheon, Korea	None
ON Semiconductor Maine, United States	

Description and Purpose:

The purpose of this project is to expand Front-End wafer fabrication capacity and supply flexibility by the cross qualification of ON Bucheon Korea's 6 inch HDJ4 fab process into ON S. Portland, Maine's 8 inch fab site.

	Before Change Description	After Change Description
Fab Sites Qualified for HDJ4	ON Bucheon Korea – 6 inch Fab Site	ON Bucheon, Korea – 6 inch Fab Site
		ON S. Portland, Maine – 8 inch Fab Site

Reliability Data Summary:

QV DEVICE NAME: FAN73912MX

RMS : O57762

PACKAGE : SOICW16

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/240
HTSL	JESD22-A103	Ta= 150°C	2016 hrs	0/240
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/240
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/240
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C		

**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
FAN73912MX	FAN73912MX