



Title of Change:	Qualify Bucheon 6" HDG4DA/HDJ4 processes using existing SPMF 8" HDG4D process with the addition of the following HDJ4/HDG4DA valid devices
Proposed First Ship date:	16 Nov 2020 or earlier if approved by customer
Contact Information:	Contact your local ON Semiconductor Sales Office or Sungdae.Shin@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:	Date code.
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:

Qualify Bucheon 6" HDG4DA/HDJ4 processes using existing SPMF 8" HDG4D process with the addition of the following HDJ4/HDG4DA valid devices. Basically match SPMF 8" HDG4DA and HDJ4 electrical performance to Bucheon's 6" HDG4DA and HDJ4 processes. Assembly site is not affect.

"There are no product material changes as a result of this change"

"There is no product marking change as a result of this change"

	Before Change Description	After Change Description
FAB Site	BK 6inch site	S.Portland, Maine 8inch Site BK 6inch 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		

QV DEVICE NAME: FSBB10CH120D
 RMS K57911
 PACKAGE SPM3

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	2016 hrs	0/36
TC	JESD22-A104	Ta= -40°C to +125°C	1000 cyc	0/66
THU	JESD22-A101	85°C, 85% RH, unbiased	1008 hrs	0/36

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
FNA21012A	FAN73912MX, FSBB10CH120D
FNA25060	FAN73912MX, FSBB10CH120D
FSBB10CH120D	FAN73912MX, FSBB10CH120D
FSBB10CH120DF	FAN73912MX, FSBB10CH120D
FSBB10CH120DFL	FAN73912MX, FSBB10CH120D