



Initial Product/Process Change Notification

Document #: IPCN25373X

Issue Date: 17 May 2023

Title of Change:	Wafer FAB site transfer of HDG4D, HDG4DA and HDJ4 Technology from BK6, Korea to AIZU, Japan
Proposed First Ship date:	08 Apr 2024 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Sungdae.Shin@onsemi.com , Cindy.Hong@onsemi.com
PCN Samples Contact:	Contact your local onsemi Sales Office. 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.
Type of Notification:	This is an Initial Product/Process Change Notification (IPCN) sent to customers. 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. 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 >
Marking of Parts/ Traceability of Change:	Material will be traceable with ONs lot trace code & date code.
Change Category:	Wafer Fab Change
Change Sub-Category(s):	Manufacturing Site Transfer

Sites Affected:

onsemi Sites

onsemi Aizu, Japan

External Foundry/Subcon Sites

None

Description and Purpose:

Qualify a different FAB site with a different wafer technology as a below table. The purpose of notification is increase wafer loading capacity.

FAB Site	Before	After
Gate Driver HDG4D/HDG4DA/HDJ4	onsemi Bucheon, Korea	onsemi Aizu, Japan

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

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



Initial Product/Process Change Notification

Document #: IPCN25373X

Issue Date: 17 May 2023

Qualification Plan:

QV DEVICE NAME: NFAM5065L4BTL

RMS: V88889

PACKAGE: SPM31

Test	Specification	Condition	Interval
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008hrs
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	1000cyc
Temperature Humidity Unbiased	JESD22- B101	Ta= 85°C, RH= 85%	1008hrs
High Humidity High Temperature Reverse Bias	JESD22-A101	Ta= 85°C, RH= 85%, 80% rated V	1008hrs
High Temperature Reverse Bias	JESD22-A108	Tj= 150°C, 100% rated V	1008hrs

QV DEVICE NAME: FNCS3060L (FAN77012MTCX)

RMS: TBD

PACKAGE: TSSOP(SPM4)

Test	Specification	Condition	Interval
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008hrs
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	1000cyc

QV DEVICE NAME: FSBB10CH120DF

RMS: TBD

PACKAGE: SPM3V

Test	Specification	Condition	Interval
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008hrs
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	1000cyc

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
FNA22512A	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNA23512A	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNA25012A	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNA25060	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNB33060T	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNB33060T-01	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNB33060T6S	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNB33060T6S-01	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNB34060T	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L



Initial Product/Process Change Notification

Document #: IPCN25373X

Issue Date: 17 May 2023

FNB34060T-01	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNB35060T	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNB35060T-01	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNB35060T6S	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNCS1560L	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FNCS3060L	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FSBB10CH120D	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FSBB10CH120DF	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FSBB10CH120DFL	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FSBB15CH120D	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FSBB15CH120DF	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FSBB20CH120DF	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
FSBB20CH60C	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAL5065L4B	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAL5065L4BT	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAL7565L4B	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAL7565L4BT	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAM2065L4BT	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAM3065L4B	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFP36060L42T	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFL25065L4BT	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAM5065L4BTL	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAM5065L4BBA	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAM5065L4B	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAM3065L4BTL	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L
NFAM3065L4BT	FSBB10CH120DF, NFAM5065L4BTL, FNCS3060L