



# Initial Product/Process Change Notification

Document #:IPC�24693X1

Issue Date:09 Feb 2023

<b>Title of Change:</b>	Update to IPCN24693X - To reduce Qual Vehicle to FDS4141 and FDD4141 and revise the timeline for qualification.
<b>Proposed First Ship date:</b>	21 Aug 2023 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:saziela.senin@onsemi.com">saziela.senin@onsemi.com</a>
<b>PCN Samples Contact:</b>	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.
<b>Type of Notification:</b>	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 < <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a> >
<b>Marking of Parts/ Traceability of Change:</b>	Customer may receive the parts from onsemi Bucheon,Korea from month of Aug 2023 onwards once FPCN expire or customer approved
<b>Change Category:</b>	Wafer Fab Change
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition

**Sites Affected:**

**onsemi Sites**

onsemi Bucheon, Korea

**External Foundry/Subcon Sites**

None

**Description and Purpose:**

This is an update notification to IPCN24693X to reduce the Qual Vehicle to FDS4141and FDD4141 and revise timeline for the qualification.

	Before Change Description	After Change Description
Fab Site	Tower Jazz Fab, Israel	onsemi Bucheon, Korea Tower Jazz Fab, Israel



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## Qualification Plan:

QV DEVICE NAME: FDS4141

RMS: U72433

PACKAGE: SO-8

Test	Specification	Condition	Interval
HTRB	JESD22-A108	Tj=150°C, 80% max rated V	1008 hrs
HTGB	JESD22-A108	Tj=150°C, 100% max rated Vgss	1008 hrs
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C	-

QV DEVICE NAME: FDD4141

RMS: S72432

PACKAGE: DPAK

Test	Specification	Condition	Interval
HTRB	JESD22-A108	Tj=150°C, 80% max rated V	1008 hrs
HTGB	JESD22-A108	Tj=150°C, 100% max rated Vgss	1008 hrs
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C	-

Estimated date for qualification completion: 12 May 2023

## 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
FDS4141	FDS4141
FDD4141	FDD4141