



# Final Product/Process Change Notification

Document #: FPCN24693X

Issue Date: 30 May 2023

<b>Title of Change:</b>	Qualification of onsemi Bucheon, Korea as an additional wafer fab location for PT3 technology.
<b>Proposed First Ship date:</b>	01 Sep 2023 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:NurulAqilah.AbuHurairah@onsemi.com">NurulAqilah.AbuHurairah@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>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:Joe.Chapple@onsemi.com">Joe.Chapple@onsemi.com</a>
<b>Type of Notification:</b>	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>
<b>Marking of Parts/ Traceability of Change:</b>	Changed material can be identified by lot code.
<b>Change Category:</b>	Wafer Fab Change
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition

**Sites Affected:**

onsemi Sites	External Foundry/Subcon Sites
onsemi Bucheon, Korea	None

**Description and Purpose:**

This Product Change Notification is intended to increase capacity RP3, PT3 MOSFET technology products by adding wafer fabrication to onsemi Bucheon Korea.

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

Fab Site	From	To
	TowerJazz Fab, Israel	onsemi Bucheon Fab, Korea

**Reliability Data Summary:**

QV DEVICE NAME: FDS4141

RMS: U72433

PACKAGE: SOIC8

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= 150°C, 80% max rated V	1008 hrs	0/80
HTGB	JESD22-A108	Tj= 150°C, 100% max rated Vgss	1008 hrs	0/80
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre IOL, TC, uHAST, HAST for surface mount pkgs only	-	-
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/40
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/40
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/40



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**QV DEVICE NAME: FDD4141**  
**RMS: S72432**  
**PACKAGE: DPAK3 (TO-252 3 LD)**

Test	Specification	Condition	Interval	Results
HTGB	JESD22-A108	Tj= 150°C, 80% max rated Vgss	1008 hrs	0/80
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre IOL, TC, uHAST, HAST for surface mount pkgs only	-	-
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/40
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/40
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/40

### 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
FDS4141	FDS4141
FDD4141	FDD4141

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**Appendix A: Changed Products**

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FDS4141		FDS4141	NA	
FDD4141		FDD4141	NA	