



## Final Product/Process Change Notification

Document #:FPCN23385XA

Issue Date:03 Nov 2021

<b>Title of Change:</b>	Qualification of onsemi Bucheon,Korea facility as an additional wafer fab location for PT2 Technology
<b>Proposed First Ship date:</b>	10 Feb 2022 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Joshua.Kwon@onsemi.com">Joshua.Kwon@onsemi.com</a>
<b>PCN Samples Contact:</b>	Contact your local onsemi Sales Office or < <a href="mailto:PCN.samples@onsemi.com">PCN.samples@onsemi.com</a> >. 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:songyong.sim@onsemi.com">songyong.sim@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>	Customer may receive the parts from onsemi Bucheon,Korea from month of Feb 2022 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	External Foundry/Subcon Sites
onsemi Bucheon, Korea	Tower Semiconductor, Israel

### Description and Purpose:

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

### Reliability Data Summary:

**QV DEVICE NAME:** FDN304PZ

**RMS:** F72886, S70268

**PACKAGE:** SOT-23-3

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj=150°C, 100% max rated V	1008 hrs	0/240
HTGB	JESD22-A108	Tj=150°C, 100% max rated Vgss	1008 hrs	0/240
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/240
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/230
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/120
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/120
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	-	-



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### Electrical Characteristics Summary:

The temperature characterization and ESD performance comparable and meet datasheet specification. Detail of Electrical characterization result is available upon request.

### 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
FDY302NZ	FDN304PZ
FDY301NZ	FDN304PZ
FDY101PZ	FDN304PZ
FDY100PZ	FDN304PZ
FDY300NZ	FDN304PZ
FDY4000CZ	FDN304PZ
FDN304PZ	FDN304PZ
FDG6317NZ	FDN304PZ
FDY3000NZ	FDN304PZ
FDS6898AZ	FDN304PZ