



# Final Product/Process Change Notification

Document #:FPCN24364X

Issue Date:20 Feb 2022

<b>Title of Change:</b>	Qualifying onsemi Bucheon, Korea as additional wafer Fab location for PT1 Technology			
<b>Proposed First Ship date:</b>	27 May 2022 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: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 June 2022 onwards once FPCN expire or PCN approved by all customer.			
<b>Change Category:</b>	Wafer Fab Change			
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition			
<b>Sites Affected:</b>				
<b>onsemi Sites</b>		<b>External Foundry/Subcon Sites</b>		
onsemi Bucheon, Korea		Tower Semiconductor, Israel		
<b>Description and Purpose:</b>				
Qualifying onsemi Bucheon, Korea as additional Fab location.				
	<b>Before Change Description</b>	<b>After Change Description</b>		
Fab Site	Tower Jazz Fab, Israel	onsemi Bucheon, Korea Tower Jazz Fab, Israel		
<b>Reliability Data Summary:</b>				
<b>QV DEVICE NAME:</b> FDD3670				
<b>RMS:</b> U75957				
<b>PACKAGE:</b> TO-252-3				
<b>Test</b>	<b>Specification</b>	<b>Condition</b>	<b>Interval</b>	<b>Results</b>
HTRB	JESD22-A108	Tj=175°C, 100% max rated V	1008 hrs	0/240
HTGB	JESD22-A108	Tj=175°C, 100% max rated Vgss	1008 hrs	0/240
HTSL	JESD22-A103	Ta=175°C	1008 hrs	0/240
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15,000 cyc	0/240
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/240



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HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/240
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	-	-

### Electrical Characteristics Summary:

The temperature characterization and ESD performance 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
FDT457N	FDT459N
FDN339AN	FDD3670

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**Appendix A: Changed Products**

**PCN#: FPCN24364X**  
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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FDT457N		FDT459N	NA	
FDN339AN		FDD3670	NA	