



Final Product/Process Change Notification  
 Document #:FPCN23428XC  
 Issue Date:11 Oct 2021

<b>Title of Change:</b>	Bucheon 8inch FRD rectifiers dual source in CZ4	
<b>Proposed First Ship date:</b>	18 Jan 2022 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:norsahida.sahman@onsemi.com">norsahida.sahman@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:Byeongyeop.Lee@onsemi.com">Byeongyeop.Lee@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>	Affected products will be identified with date code	
<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 Roznov, Czech Republic	None	
<b>Description and Purpose:</b>		
Bucheon Korea 8inch FRD rectifier dual source in CZ4 Czech Republic.		
	<b>Before Change Description</b>	<b>After Change Description</b>
Manufacturing location for Wafer Fab & Probe Test	onsemi Bucheon, Korea	onsemi Bucheon, Korea onsemi Roznov, Czech Republic
There is no product marking change as a result of this change		

**Reliability Data Summary:**

**QV1 DEVICE NAME:** FGH75T65SHD-F155  
**RMS:** 68330, 68385  
**PACKAGE:** TO247

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj = 175C, 100% max rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta= 175C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 5 min	6000 cyc	0/77
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/77
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/77
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22- B106	Ta = 265C, 10 sec		0/30

All reliability result passed.

**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
FGH75T65SQDTL4	FGH75T65SHD-F155
FGA30T65SHD	FGH75T65SHD-F155