



Final Product/Process Change Notification

Document #:FPCN23448XD

Issue Date:26 Sep 2022

Title of Change:	Qualification of onsemi Bucheon, Korea facility as an additional wafer fab location for Old-FET and C-FET Technology	
Proposed First Ship date:	06 Jan 2023 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or SangSeop.Kim@onsemi.com	
PCN Samples Contact:	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.	
Additional Reliability Data:	Contact your local onsemi Sales Office or Dongsun.Park@onsemi.com	
Type of Notification:	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 PCN.Support@onsemi.com	
Marking of Parts/ Traceability of Change:	Affected parts will be identified by lot # and date code	
Change Category:	Wafer Fab Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Bucheon, Korea	Towerjazz Semiconductor, Japan (Toyama)	
Description and Purpose:		
<p>This Product Change Notification, about the intended additional capacity for onsemi OLDFET MOSFET technology products. This PCN is announcing the addition of the onsemi Bucheon, Korea, for the manufacturing of these products.</p> <p>There is no change to the orderable part number.</p> <p>There is no product marking change as result of this change.</p>		
	Before Change Description	After Change Description
FAB Site	Towerjazz Semiconductor, Japan(Toyama)	Towerjazz Semiconductor, Japan(Toyama) onsemi Bucheon, Korea



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Reliability Data Summary:

QV DEVICE NAME : FSQ0270RNA

RMS : K84036, K84039

PACKAGE : PDIP-8

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/154
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre TC, uHAST, HAST for surface mount pkgs only		Pass
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 33.3psig, bias	96 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231

Electrical Characteristics Summary:

Electrical characteristics are not impacted by this change. Electrical comparison reports are 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
FSQ110	FSQ0270RNA
FSDL321	FSQ0270RNA
FSQ0270RNA	FSQ0270RNA
FSQ0265RN	FSQ0270RNA
FSQ0265RLX	FSQ0270RNA
FSDM0265RNB	FSQ0270RNA

Appendix A: Changed Products

PCN#: FPCN23448XD
Issue Date: Sep 25, 2022

DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FSQ110		FSQ0270RNA	NA	
FSQ0265RN		FSQ0270RNA	NA	
FSQ0265RLX		FSQ0270RNA	NA	
FSQ0270RNA		FSQ0270RNA	NA	