



## Final Product/Process Change Notification

Document #:FPCN24561XE

Issue Date:19 Oct 2023

<b>Title of Change:</b>	Qualification of FRD Rectifiers, UniFET's, and other discrete products at onsemi Roznov, Czech Republic.
<b>Proposed First Ship date:</b>	26 Jan 2024 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Daniel.Jeon@onsemi.com">Daniel.Jeon@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>	Date Code
<b>Change Category:</b>	Wafer Fab Change
<b>Change Sub-Category(s):</b>	Manufacturing Site Transfer

### Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
onsemi Roznov, Czech Republic	None

### Description and Purpose:

This notification is to inform the customers that onsemi qualified their Diodes at onsemi Roznov, Czech Republic. Some of the parts may also undergo a wafer probe alternate location, but there is no impact to the 100% final electrical test.

	Before Change Description	After Change Description
Wafer fab	onsemi Bucheon, Korea	onsemi Roznov, Czech Republic onsemi Bucheon, Korea

There are no product material changes and no product marking changes as a result of this change.



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### Reliability Data Summary:

QV DEVICE NAME: NFAQ1060L36T

RMS: V90668, V92378

PACKAGE: DIP-S6

Test	Specification	Condition	Interval	Results
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008 hrs	0/33
Low Temperature Storage Life	JESD22-A119	Ta= -40°C	1008 hrs	0/33
High Temperature Reverse Bias	JESD22-A108	Tj = 150°C, 100% max rated V	1008 hrs	0/33
High Humidity High Temperature Reverse Bias	JESD22-A101	85°C, 85% RH, 80% max rated V	1008 hrs	0/33
High Humidity High Temperature Test	JESD22-A118	85°C, 85% RH	1008 hrs	0/33
Temperature Cycling	JESD22-A104	Ta = -40°C to +125°C	1000 cyc	0/33

QV DEVICE NAME: NFAP1060L3TT

RMS: V90669, V92549

PACKAGE: SIPK

Test	Specification	Condition	Interval	Results
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008 hrs	0/33
Low Temperature Storage Life	JESD22-A119	Ta= -40°C	1008 hrs	0/33
High Temperature Reverse Bias	JESD22-A108	Tj = 150°C, 100% max rated V	1008 hrs	0/33
High Humidity High Temperature Reverse Bias	JESD22-A101	85°C, 85% RH, 80% max rated V	1008 hrs	0/33
High Humidity High Temperature Test	JESD22-A118	85°C, 85% RH	1008 hrs	0/33
Temperature Cycling	JESD22-A104	Ta = -40°C to +125°C	1000 cyc	0/33

### 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
STK544UC63K-E	NFAQ1060L36T, NFAP1060L3TT
NFAQ1060L36T	NFAQ1060L36T, NFAP1060L3TT
NFAQ1060L33T	NFAQ1060L36T, NFAP1060L3TT
NFAQ0860L36T	NFAQ1060L36T, NFAP1060L3TT
NFAQ0860L33T	NFAQ1060L36T, NFAP1060L3TT
NFAP1060L3TT	NFAQ1060L36T, NFAP1060L3TT
NFAP0560L3TT	NFAQ1060L36T, NFAP1060L3TT

## Appendix A: Changed Products

PCN#: FPCN24561XE  
Issue Date: Oct 18, 2023

DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
STK544UC63K-E		NFAQ1060L36T, NFAP1060L3TT	NA	
NFAQ0860L36T		NFAQ1060L36T, NFAP1060L3TT	NA	
NFAQ0860L33T		NFAQ1060L36T, NFAP1060L3TT	NA	
NFAP1060L3TT		NFAQ1060L36T, NFAP1060L3TT	NA	
NFAP0560L3TT		NFAQ1060L36T, NFAP1060L3TT	NA	
NFAQ1060L36T		NFAQ1060L36T, NFAP1060L3TT	NA	
NFAQ1060L33T		NFAQ1060L36T, NFAP1060L3TT	NA	