



Initial Product/Process Change Notification

Document #: IPCN26981XA

Issue Date: 16 Mar 2026

Title of Change:	Wafer Fab and Probe Site Change for UFET Planar Products from Mountain Top, USA to Bucheon, Korea
Proposed First Ship date:	01 Oct 2026 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office
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.
Type of Notification:	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact
Marking of Parts/ Traceability of Change:	The changed material can be identified by lot code and date code
Change Category:	Wafer Fab Change, Test Change
Change Sub-Category(s):	Manufacturing Site Addition, Equipment Change

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
onsemi Bucheon, Korea	None

Description and Purpose:

This is an Initial Change Notification to inform customers of the qualification of onsemi Bucheon, Korea facility as NEW wafer fab site for UFET Planar Technology.

FPCNs to be issued in July of 2026 with first ship date as referenced above from Bucheon fab. If your FPCN approval will extend beyond the proposed first ship date, provide unit requirements for the unchanged material to your onsemi sales representative no later than May 31, 2026, by NCNR PO (Last order date for unchanged material). These bridge quantities will be limited and will be considered on a first-come, first-serve basis.

onsemi will work with customers to facilitate the approval of the FPCNs by providing early samples and matching electrical data upon request, prior to the final PCN notices in July of 2026 to reduce customers' need for additional unchanged material.

Early samples are processed according to final process and condition as released in the FPCN. No changes will occur between early samples and after FPCN issuance.

	Before Change Description	After Change Description
FAB Site	Mountain Top, PA, USA	Bucheon, Korea
Backgrind Site	Mountain Top, PA, USA	Bucheon, Korea
Probe Site	Mountain Top, PA, USA and Bucheon, Korea	Bucheon, Korea

Qualification Plan:

QV DEVICE NAME : HUF75852G3

RMS : 98202

PACKAGE : TO-247

Test	Specification	Condition	Interval
High Temperature Reverse Bias	JESD22-A108	Tj = Max rate Tj for device, bias =100% of rated V (Not to exceed max rated)	1,008 hrs
High Temperature Gate Bias	JESD22-A108	Tj = Max rate Tj for device, Max Vgs	1,008 hrs
High Temperature Storage Life	JESD22-A103	Ta =Max rate storage temp for device	1,008 hrs
Highly Accelerated Stress Test	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 80% of rated V or 100V max	96 hrs
Unbiased Highly Accelerated Stress Test	JESD22-A118	Temp = 130C, RH=85%, ~ 18.8 psig	96 hrs
Temp Cycling	JESD22-A104	Temp = -55°C to +150°C	1,000 cyc
Intermittent Operating Life	MIL STD750, M 1037, AEC Q101	Ta=+25°C, deltaTj=100°C max, 5 min Ton=Toff	6,000 cyc

QV DEVICE NAME : RFP70N06

RMS : 98204

PACKAGE : TO-220

Test	Specification	Condition	Interval
High Temperature Reverse Bias	JESD22-A108	Tj = Max rate Tj for device, bias =100% of rated V (Not to exceed max rated)	1,008 hrs
Highly Accelerated Stress Test	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 80% of rated V or 100V max	96 hrs
Unbiased Highly Accelerated Stress Test	JESD22-A118	Temp = 130C, RH=85%, ~ 18.8 psig	96 hrs
Temp Cycling	JESD22-A104	Temp = -55°C to +150°C	1,000 cyc

Estimated date for qualification completion: **30 April 2026**

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**.

Current Part Number	New Part Number	Qualification Vehicle
HUF76629D3ST	#NONE	HUF75852G3
HUF76639S3ST	#NONE	HUF75852G3
HUF75639G3	#NONE	HUF75852G3
HUF75639P3	#NONE	HUF75852G3
HUF75639S3ST	#NONE	HUF75852G3
BUZ11-NR4941	#NONE	HUF75852G3
HUF75321D3ST	#NONE	HUF75852G3



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HUF75321P3	#NONE	HUF75852G3
RFD16N05SM9A	#NONE	HUF75852G3
HUF75329D3ST	#NONE	HUF75852G3
RFD16N06LESM9A	#NONE	HUF75852G3
RFD16N05LSM9A	#NONE	HUF75852G3
RFD14N05LSM9A	#NONE	HUF75852G3
RFD14N05LSM	#NONE	HUF75852G3
RFD12N06RLESM9A	#NONE	HUF75852G3
RFD3055LESM9A	#NONE	HUF75852G3
HUF76439S3ST	#NONE	HUF75852G3
HUF76429S3ST	#NONE	HUF75852G3
HUF76423P3	#NONE	HUF75852G3
HUF76407D3ST	#NONE	HUF75852G3
RFP70N06	#NONE	HUF75852G3
RFP50N06	#NONE	HUF75852G3
RFD14N05SM9A	#NONE	HUF75852G3
HUF75345S3ST	#NONE	HUF75852G3
HUF75345P3	#NONE	HUF75852G3
HUF75345G3	#NONE	HUF75852G3
HUF75344P3	#NONE	HUF75852G3
HUF75344G3	#NONE	HUF75852G3
HUF75339P3	#NONE	HUF75852G3
RFP12N10L	#NONE	HUF75852G3
HUF75852G3	#NONE	HUF75852G3
HUF75652G3	#NONE	HUF75852G3
HUF75645P3	#NONE	HUF75852G3
HUF75545S3ST	#NONE	HUF75852G3
HUF75545P3	#NONE	HUF75852G3
HUF75542P3	#NONE	HUF75852G3