



## Initial Product/Process Change Notification

Document #: IPCN23593XA

Issue Date: 27 Jan 2021

<b>Title of Change:</b>	Qualify Bucheon 8" UNIFET1/UNIFET2 for SPM5 V3 and SPM7 PKG using existing UNIFET1/UNIFET2 process
<b>Proposed First Ship date:</b>	03 Jun 2021 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:Sungdae.Shin@onsemi.com">Sungdae.Shin@onsemi.com</a>
<b>PCN Samples Contact:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:PCN.samples@onsemi.com">&lt;PCN.samples@onsemi.com&gt;</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>Type of Notification:</b>	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 <a href="mailto:PCN.Support@onsemi.com">&lt;PCN.Support@onsemi.com&gt;</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 Addition

**Sites Affected:**

ON Semiconductor Sites	External Foundry/Subcon Sites
ON Semiconductor Bucheon, Korea	None

**Description and Purpose:**

Qualify Bucheon 8inch UNIFET1 & UNIFET2 for SPM5 V3 and SPM7. Both of PKG qualified 6inch only.

Same IPM PKG of SPM5 V3 is using already 8inch UNIFET1 and UNIFET2 for mass production. This time just qualify extend OPN for SPM5 V3 and SPM7.

SPM7 is QVs and SPM5 is following existing qualification data.

"There are no product material changes as a result of this change"

"There is no product marking change as a result of this change"

**Qualification Plan:**

**QV DEVICE NAME:** FSB70450, FSB70550

**PACKAGE:** SPM7

KSH210TF, RRF #6117

Test	Specification	Condition	Interval
HTRB	JESD22-A108	Ta= _150_ °C, _100_ % max rated V	_1008_ hrs
TC	JESD22-A104	Ta= -_40_ °C to +_125_ °C	_1000_ cyc
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias 80% rated or 100V max	_1008_ hrs

Estimated date for qualification completion: 31 March 2021



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**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
FSB50550BB	FSB70550, FSB70450